DAILY OBSERVATION REPORT

Report No.:	01	Project File:	MN0832D	Date:	06/05/2018

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Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Ashwin Ranna

Site Representative: Ashwin Ranna

Contractor: Recon

Arrive at Site: 0700 hrs. Leave Site: 1700 hrs.

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Cloudy and light rain	am	Cloudy to Clear	pm
Temperature:	°50 F	am	°67 F	pm
Wind Direction:	NNW5 @ mph	am	N@ 9mph	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☐	N/A ☒
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☐	N/A ☒
	Vibration:	*Yes ☐	No ☐	N/A ☒
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☐	N/A ☒
Was there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☐	N/A ☒

WASTE HAULING :

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated Prior to exiting the work site?	*Yes ☐	No ☐	N/A ☒

Report No.: 01 Project File: MN0832D Date: 06/05/2018

Materials Imported and Removed from Work Areas

Soil Removal:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported #2 Run of Crusher:

Total Loads today: 0 Total Loads to date:0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0700. Met with Recon and reviewed workplan for the week.
- Surveyor and GPRS people arrived on site at 0715. A tailgate safety meeting was held and reviewed working around traffic in the parking lot.
- Between 00730 and 1200 Recon carried out surveys and marked out utilities.
- Mike McDonald of McDonald Landscaping arrived on site at 0900. He reviewed the layout and said he would provide a quote by end of the day.
- Dom Insogna arrived on site at 0900. He handed over key and fob to access the school buildings and left for the day.
- At 0815 the roll-off containing IDW from the OS2 investigation was moved to the MSA.
- Recon marked out actual dimensions of truck washes turn radii etc. to layout site.
- Recon received and began setup of their trailer on site at 0800. Setup, loading and installation of equipment continued throughout the day
- Recon left site at 1100 to meet with suppliers for fill materials.
- AR organized the trailer, retrieved equipment for fieldwork from the conex and prepared for drum pickup on Thursday.

Report No.:	01	Project File:	MN0832D	Date:	06/05/2018

PM

- Recon returned from the meeting at 1200. Break for lunch till 1215.
- Pat Carr (Recon) arrived on site at 1130. Between 1200 and 1500 Recon carried out a site walk and reviewed workplans, equipment required, labor logistics and survey mark out.
- Recon attended the joint meeting between 1500 and 1600.
- From 1600 to 1700 Recon moved material from the Conex to the new trailer.
- 1700 Recon shut down the generator and left site.

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- John geary
- Pat Carr
- Brian Kilkenny
- Rich Tonnucour
- Bryan Balog
- Seth Lovell (Hunt)
- Dylan Kuhn (GPRS)
-

Equipment and Materials:

- Dozer
- Excavator
- Trailer
- Generator
-
-
-

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Mike McDonald	McDonald Landscaping	NA
Dom Insogna	ECSD	NA

PROJECT SCHEDULE:

NTP Date: NA

Substantial Completion Date: NA

Final Completion Date: NA

ITEMS OF CONCERN:

Sheet piling locations near haul road may have to be adjusted to account for overhead utilities. Recon will be submitting a field adjusted drawing markup to better demarcate viable locations for piling.

DAILY OBSERVATION REPORT

Report No.:	01	Project File:	MN0832D	Date:	06/05/2018

Site Representative: Ashwin Ranna

Date: 6/5/2018

Name: (*signature*)



cc:

Report No.: 01 Project File: MN0832D Date: 06/05/2018

Photo Log

Date : 06052018

	
Pickup of IDW roll off bin to transfer to MSa	GPRS survey in Parking lot
	
40’ trailer dropped off	Excavator brought to site

DAILY OBSERVATION REPORT

Report No.:	01	Project File:	MN0832D	Date:	06/05/2018

Site Map



DAILY OBSERVATION REPORT

Report No.:	02	Project File:	MN0832D	Date:	06/06/2018

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Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Ashwin Ranna

Site Representative: Ashwin Ranna

Contractor: Recon

Health & Safety: Ashwin Ranna

Arrive at Site: 0700 hrs. Leave Site: 1700 hrs.

Weather and Site Conditions

General Description:	Overcast	am	Partly Sunny	pm
Temperature:	°50 F	am	°62 F	pm
Wind Direction:	N 5 @ mph	am	SE@ 0mph	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☐	N/A ☒
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☐	N/A ☒
	Vibration:	*Yes ☐	No ☐	N/A ☒
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☐	N/A ☒
Was there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☐	N/A ☒

WASTE HAULING :

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☐	N/A ☒

Report No.: 02 Project File: MN0832D Date: 06/06/2018

Materials Imported and Removed from Work Areas

Soil Removal:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported #2 Run of Crusher:

Total Loads today: 0 Total Loads to date:0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0700. Met with Recon and attended safety meeting. Reviewed identification of Poison Sumac Plants
- Recon began to move the MSA fence outwards in preparation for the next phase of work.
- Recon requested to put BK in contact with Kevin Knapp of STCC for finalizing site layout.
- DI of EHS requested that we repair two boreholes that appear to have collapsed. One of them B964 is within the rear parking lot. The other one (markings not visible) is located close to where the asphalt millings from the parking lot are to be stored.
- AR spread mulch and seed on the picnic table area and collected Decon water samples for testing.
- Recon received a Conex box in the AM around 1200.

PM

- Recon on labor and equipment logistics throughout the day. AR set up and tested the air monitoring equipment received on site yesterday. A surveyor was on site to help establish GPS points and equipment to carry out the excavation.

Report No.: 02 Project File: MN0832D Date: 06/06/2018

- Recon met with KK of STCC at 1300. They reviewed the layout and requested permission to lay the truck wash partly into the road to allow proper turning of the trucks and trailers. Recon offered to lay down Geotextile and aggregate across the corner to facilitate access to the plant once the truck wash was in place. KK said he was okay with that configuration. He also advised the bridge manufacturing company to remove the material currently placed in the grass along the corner as they did not have permission to store materials there.
- AR contacted McDonald Landscaping and requested them to mobilize as quickly as possible. Contractor said they would try for mobilizing today but would be on site tomorrow. AR requested them to contact him via phone once they reached site. Contractor confirmed that they would be available on site in the morning tomorrow (06/07/2018)
- Recon received a 20' office trailer and set it up parallel to the existing fence between EHS and STCC.
- 1700 Recon shut down the generator and left site.AR headed to FEDEX and shipped samples. AR also purchased cold mix and play sand to backfill the collapsed boreholes.

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- John Geary
- Patrick Carr
- Brian Kilkenny
- Rich Tonnucour
- Bryan Balog
- Seth Lovell (Hunt)
- Dylan Kuhn (GPRS)
- Ray (Recon labor)

Equipment and Materials:

- Dozer
- Excavator
- Trailer(X2)
- Generator
- Conex
- Roll off Bin
- GPS equipment for excavation
-
-

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Dom Insogna	ECSD	NA

PROJECT SCHEDULE:

NTP Date: NA

Substantial Completion Date: NA

Completion Date: NA

ITEMS OF CONCERN:

Report No.:	02	Project File:	MN0832D	Date:	06/06/2018

Site Representative: Ashwin Ranna

Date: 6/6/2018

Name: (*signature*)



cc:

Report No.:	01	Project File:	MN0832D	Date:	06/06/2018

Photo Log

Date : 06062018

	
Borehole collapse to be refilled	Mulch and seed spread on patchy picnic table area
	
Shifting the MSA fence to the EAST	Additional 20’ trailer brought to site.

DAILY OBSERVATION REPORT

Report No.:	01	Project File:	MN0832D	Date:	06/06/2018

Site Map



DAILY OBSERVATION REPORT

Report No.:	03	Project File:	MN0832D	Date:	06/07/2018

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Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Ashwin Ranna

Site Representative: Ashwin Ranna

Contractor: Recon

Arrive at Site: 0700 hrs. Leave Site: 1700 hrs.

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Overcast	am	Sunny	pm
Temperature:	°61 F	am	°73 F	pm
Wind Direction:	NNE 5 @ mph	am	NNE @ 0-5mph	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☐	N/A ☒
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☐	N/A ☒
	Vibration:	*Yes ☐	No ☐	N/A ☒
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☐	N/A ☒
Was there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☐	N/A ☒

WASTE HAULING :

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☐	N/A ☒

Report No.: 03 Project File: MN0832D Date: 06/07/2018

Materials Imported and Removed from Work Areas

Soil Removal:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported #2 Run of Crusher:

Total Loads today: 0 Total Loads to date:0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0700. Met with Recon and attended safety meeting. Reviewed heat stress and dehydration signs.
- AR refilled collapsed boreholes and prepared drums for pickup.
- Recon continued to move the MSA fence outwards in preparation for the next phase of work.
- Additional material (geotextile, fabric, silt fence) and trailers were brought to site.
- Landscaping contractor arrived on site at 1000. Weeding and refreshing mulch on mulch beds continued throughout the day
- Drum pickup vehicle arrived on site at 1130. 7 Soil drums and 14 PPE drums were taken offsite. Trailer now contains: 2 waste water drums 1 Half full PPE drum, and 2 empty Barrels.
- DI visited site and inspected barrel from edger left near trailer. Said he would follow up with MD about disposing of the barrel. He also said he would contact MD about getting Geosyntec access to the weather station on the school property.

PM

- Recon continued working on equipment and labor logistics throughout the day. Rough mark out of locations where air knifing is to be carried out was completed. Recon also emptied Conex of material and stored it all in Conex on STCC.
- MSA preparation underway. Welliver's JP met with Recon personnel to coordinate work over the weekend. PC and JG left site at 1530.

Report No.:	03	Project File:	MN0832D	Date:	06/07/2018

- All Recon labor left site at 1600. DI came to Conex and mentioned that he was on leave on Friday and that Mike Dunn would be the point of contact for EHS during the weekend. AR stayed on to supervise mulch spreading and left site at 1700.

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- John Geary
- Patrick Carr
- Brian Kilkenny
- Rich Tonnucour
- Bryan Balog
- Ray (Recon labor)
- Mike McDonald
- Adam & Noah (landscaping labor)

Equipment and Materials:

- Dozer
- Excavator
- Trailer(X2)
- Generator
- Conex
- Roll off Bin
- GPS equipment for excavation
-
-

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Dom Insogna	ECSD	NA
Jason Plumley	Welliver	NA

PROJECT SCHEDULE:

NTP Date: NA

Substantial Completion Date: NA

Completion Date: NA

ITEMS OF CONCERN:

Site Representative: Ashwin Ranna Date: 06/07/2018

Name: (*signature*)



c:

Report No.:	03	Project File:	MN0832D	Date:	06/07/2018

Photo Log

Date : 06/07/2018



Refilled collapsed boreholes



Weeding / cleaning up of mulch beds completed



Spreading fresh mulch on beds unerway



Drums taken offsite

DAILY OBSERVATION REPORT

Report No.:	03	Project File:	MN0832D	Date:	06/07/2018

Site Map



DAILY OBSERVATION REPORT

Report No.:	04	Project File:	MN0832D	Date:	06/08/2018

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Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Ashwin Ranna

Site Representative: Ashwin Ranna

Contractor: Recon

Arrive at Site: 0700 hrs. Leave Site: 1700 hrs.

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Overcast	am	Sunny	pm
Temperature:	65° F	am	80° F	pm
Wind Direction:	N 5 @ mph	am	NNW@ 4mph	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☐	N/A ☒
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☐	N/A ☒
	Vibration:	*Yes ☐	No ☐	N/A ☒
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☐	N/A ☒
Was there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☐	N/A ☒

WASTE HAULING :

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☐	N/A ☒

Report No.: 04 Project File: MN0832D Date: 06/08/2018

Materials Imported and Removed from Work Areas

Soil Removal:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported #2 Run of Crusher:

Total Loads today: 0 Total Loads to date:0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0700. Met with Recon and attended safety meeting. Reviewed overhead utilities and tic safety.
- Mulch labor arrived at 0730 and began spreading mulch that was delivered at end of day yesterday.
- Recon continued getting material and equipment delivered to site throughout the day. A second loader, an additional 20' trailer a dozer and other equipment was brought to site.
- Recon labor prepared a space and laid down poly to collect the spoils from the Air knifing in the SE corner of the site behind the fence. Labor also began installing fence outside the MSA towards the North.
- AR contacted Mike Dunn to review weather station access and Air intakes on the K wing. MD said he would meet with AR after lunch.

PM

- Recon continued preparing the MSA area and preparing for air knifing tomorrow.
- Mike Dunn arrived on site at 1300. He provided permission to access the roof air intake units to monitor dust during work activities and said he would get Geosyntec access to the weather station data installed on the school on Monday. The data is stored online and will provide accurate local weather conditions.
- Mulch labor completed spreading material at 1600. Cleaned up and left site at 1700.

Report No.: 04 Project File: MN0832D Date: 06/08/2018

- Recon labor completed installing the fence around the MSA and weighted the supports. Privacy screen installation is underway.
- Recon shut down site and left at 1700.

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Brian Kilkenny
- Rich Tonnucour
- Bryan Balog
- Ray and Sydney (Recon labor)
- Mike McDonald
- Adam, Ki, Noah (landscaping labor)

Equipment and Materials:

- Dozer
- Excavator
- Trailer(X4)
- Generator
- Conex
- Roll off Bin
- GPS equipment for excavation
- Dozer
- Haul truck
- Heavy Dozer
- Water truck

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Mike Dunn	ECSD	NA

PROJECT SCHEDULE:

NTP Date: NA

Substantial Completion Date: NA

Completion Date: NA

DAILY OBSERVATION REPORT

Report No.: 04 Project File: MN0832D Date: 06/08/2018

ITEMS OF CONCERN:

Site Representative: Ashwin Ranna

Date: 06/08/2018

Name: (*signature*)



c:

Report No.: 04 Project File: MN0832D Date: 06/08/2018

Photo Log

Date : 06/08/2018

	
Additional E&S equipment brought to site	Air intake units on top of K wing
	
Cleaning up around mulch beds after completing mulching	MSA extended to follow the road along the north edge of the MSA.

DAILY OBSERVATION REPORT

Report No.:	01	Project File:	MN0832D	Date:	06/08/2018

Site Map



DAILY OBSERVATION REPORT

Report No.:	05	Project File:	MN0832D	Date:	06/09/2018

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Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Ashwin Ranna

Site Representative: Ashwin Ranna

Contractor: Recon

Health & Safety: Ashwin Ranna

Arrive at Site: 0700 hrs. Leave Site: 1700 hrs.

Weather and Site Conditions

General Description:	Clear	am	Partly Sunny	pm
Temperature:	60° F	am	75° F	pm
Wind Direction:	N 1 @ mph	am	NNE@ 12mph	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☐	N/A ☒
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Was there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING :

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Materials Imported and Removed from Work Areas

Report No.: 05 Project File: MN0832D Date: 06/09/2018

Soil Removal:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported #2 Run of Crusher:

Total Loads today: 0 Total Loads to date:0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0700. Met with Recon and attended safety meeting. Reviewed working around heavy machinery.
- Recon continued fixing the privacy screen for the shifted fence on the MSA. Planks were laid down on the grass to access the air knife locations close to the school building.
- AR installed dust monitors along the perimeters of the planned work area and at the air intake on the roof of the K wing.
- Air knifing equipment arrived on site at 0745. Between 0900 and 1630 utilities were located using the air knife.

PM

- Recon completed attaching the fence privacy screen at 1400. After trying to locate the water line to a depth of 11 ft Recon shifted to locate the gas line (~ 32” below the ground in the parking lot.)
- Recon backfilled the open holes with excess item 4 material from the MSA berms. Air knifing locations were closed off with concrete mix.
- Spoils were unloaded on poly to the SE of the Rear parking lot. Equipment was deconned, and spoils were covered with poly.
- A total of 4 locations were air knifed. Depths to 3 utilities/ footings were determined and all holes were backfilled. Located utilities were GPS located to update the drawings.

DAILY OBSERVATION REPORT

Report No.: 05 Project File: MN0832D Date: 06/09/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Brian Kilkenny
- Rich Tonnucour
- Bryan Balog
- Ray and Sydney (Recon labor)
- Sebastian (Air knife operator)

Equipment and Materials:

- Dozer
- Excavator
- Trailer(X4)
- Generator
- Conex
- Roll off Bin
- GPS equipment for excavation
- Dozer
- Haul truck
- Heavy Dozer
- Water truck
- Air knifing equipment

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone

PROJECT SCHEDULE:

NTP Date: NA

Substantial Completion Date: NA

Completion Date: NA

ITEMS OF CONCERN:

Site Representative: Ashwin Ranna Date: 06/08/2018

Name: (*signature*)



DAILY OBSERVATION REPORT

Report No.: 05 Project File: MN0832D Date: 06/09/2018

c:

Photo Log

Date : 06/09/2018



Air knifing to locate water line



Unloading spoils on poly



Covered spoil pile

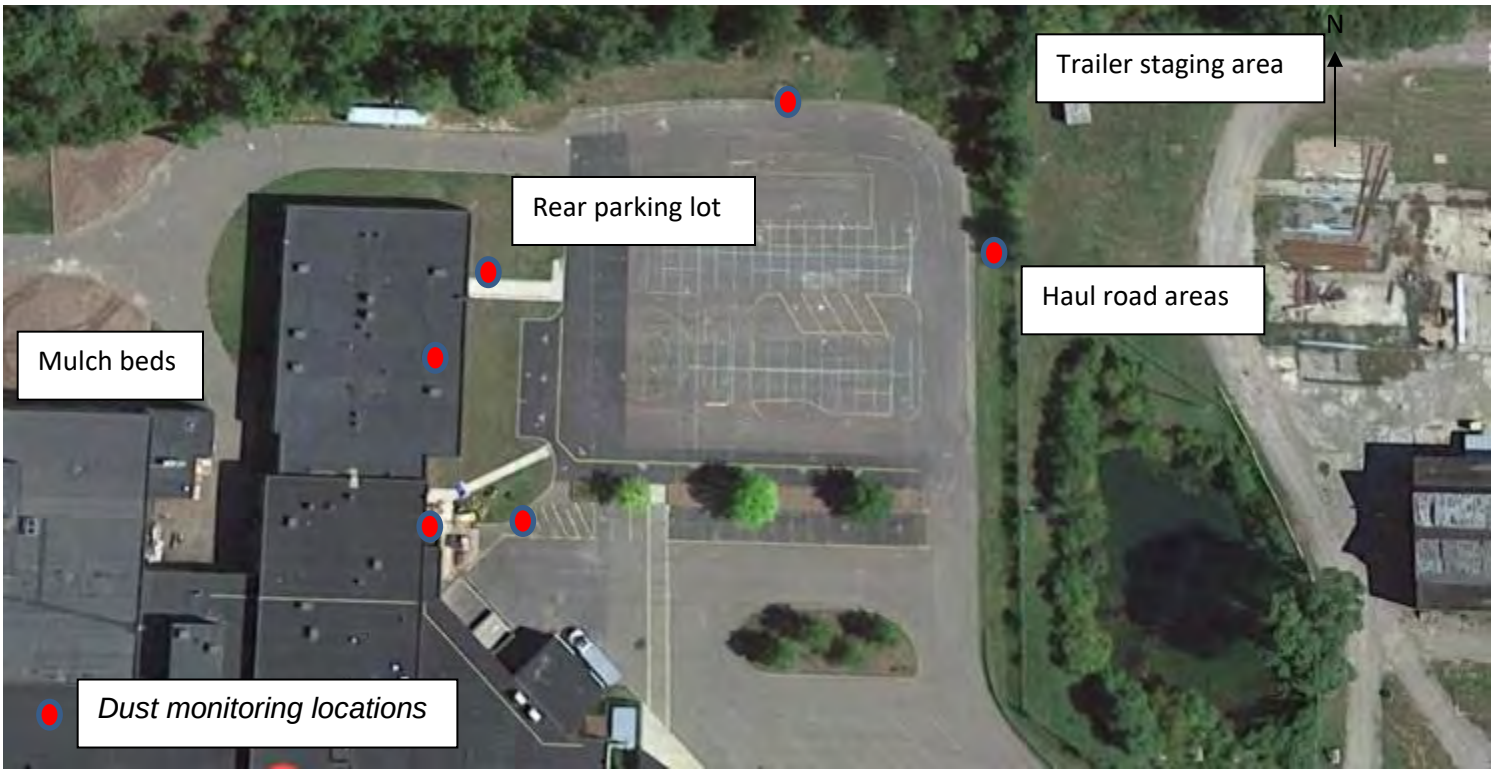


Privacy screen installed on MSA

DAILY OBSERVATION REPORT

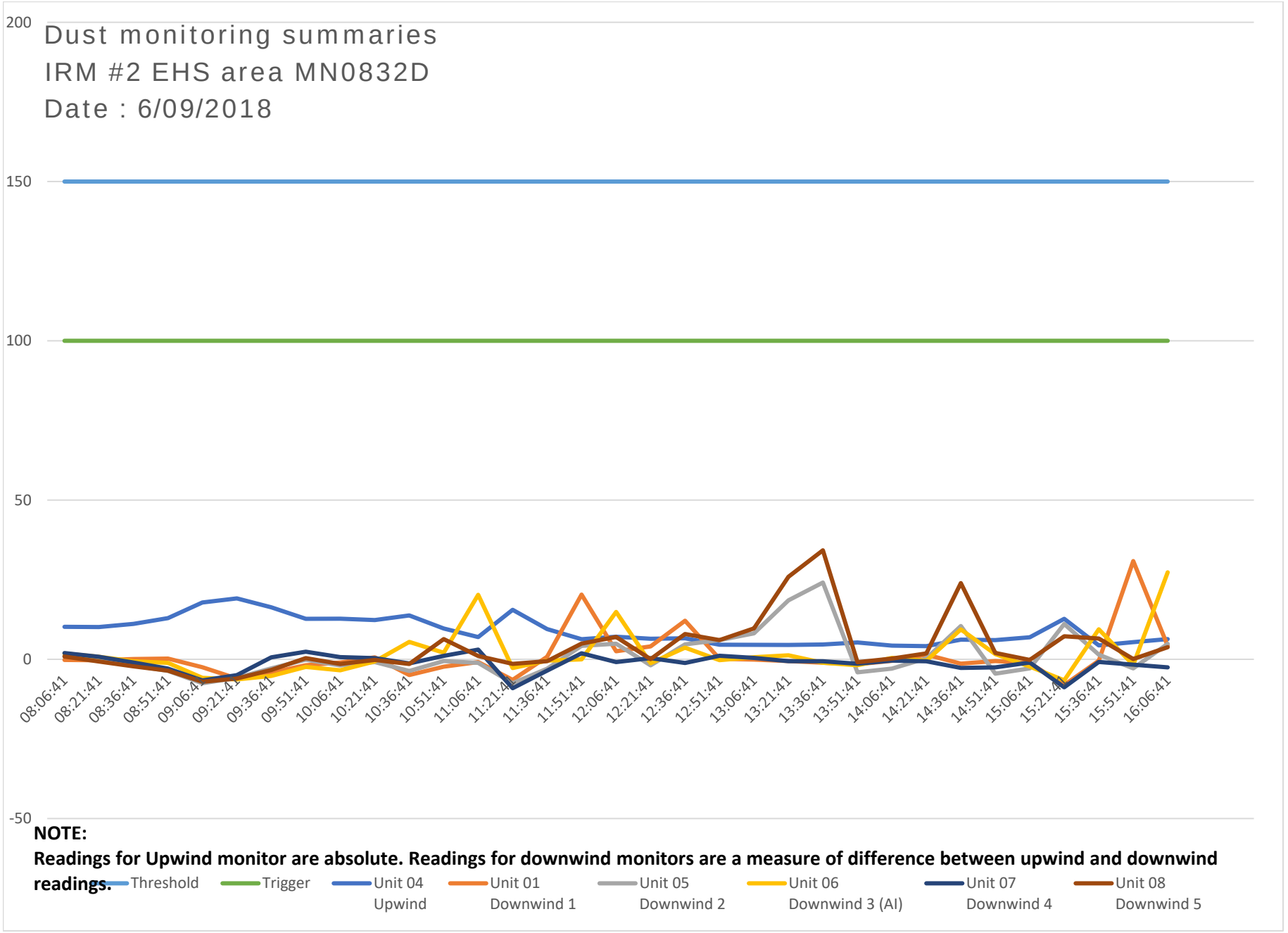
Report No.:	05	Project File:	MN0832D	Date:	06/09/2018

Site Map



Dust Monitoring Data
9 June 2018
IRM #2
Former Sperry Remington Site - North Portion

Unit 04 Upwind	Unit 01 Downwind 1	Difference	Unit 05 Downwind 2	Difference	Unit 06 Downwind 3 (AI)	Difference	Unit 07 Downwind 4	Difference	Unit 08 Downwind 5	Difference	Time	Threshold	Trigger
10.21	10.01	-0.2	11.26	1.05	12.03	1.82	12.18	1.97	11.08	0.87	08:06:41	150	100
10.12	9.82	-0.3	9.93	-0.19	10.92	0.8	10.9	0.78	9.43	-0.69	08:21:41	150	100
11.12	11.19	0.07	9.15	-1.97	10.49	-0.63	10.1	-1.02	8.89	-2.23	08:36:41	150	100
12.93	13.15	0.22	9.3	-3.63	11.8	-1.13	9.99	-2.94	9.38	-3.55	08:51:41	150	100
17.85	15.36	-2.49	10.33	-7.52	12.03	-5.82	11.22	-6.63	10.8	-7.05	09:06:41	150	100
19.12	13.1	-6.02	13.28	-5.84	12.8	-6.32	14.13	-4.99	13.08	-6.04	09:21:41	150	100
16.32	12.17	-4.15	13.47	-2.85	11.08	-5.24	16.94	0.62	12.97	-3.35	09:36:41	150	100
12.71	10.83	-1.88	12.57	-0.14	10.33	-2.38	15.08	2.37	13.08	0.37	09:51:41	150	100
12.73	11.7	-1.03	10.8	-1.93	9.26	-3.47	13.41	0.68	11.24	-1.49	10:06:41	150	100
12.33	12.95	0.62	11.44	-0.89	11.68	-0.65	12.69	0.36	12.13	-0.2	10:21:41	150	100
13.78	8.84	-4.94	10.1	-3.68	19.25	5.47	12.5	-1.28	12.32	-1.46	10:36:41	150	100
9.65	7.31	-2.34	9.08	-0.57	11.72	2.07	10.73	1.08	15.98	6.33	10:51:41	150	100
6.97	6.08	-0.89	5.84	-1.13	27.22	20.25	10.01	3.04	8.01	1.04	11:06:41	150	100
15.55	9.08	-6.47	8.03	-7.52	12.79	-2.76	6.47	-9.08	14.12	-1.43	11:21:41	150	100
9.48	10.26	0.78	6.52	-2.96	9.06	-0.42	5.93	-3.55	8.88	-0.6	11:36:41	150	100
6.32	26.65	20.33	10.53	4.21	6.3	-0.02	8.2	1.88	11.24	4.92	11:51:41	150	100
7.07	9.58	2.51	11.96	4.89	21.95	14.88	6.19	-0.88	14.1	7.03	12:06:41	150	100
6.44	10.5	4.06	4.54	-1.9	5.22	-1.22	6.79	0.35	6.5	0.06	12:21:41	150	100
6.59	18.71	12.12	11.28	4.69	10.25	3.66	5.42	-1.17	14.52	7.93	12:36:41	150	100
4.57	4.74	0.17	10.6	6.03	4.3	-0.27	5.67	1.1	10.58	6.01	12:51:41	150	100
4.54	4.44	-0.1	12.69	8.15	5.2	0.66	4.98	0.44	14.24	9.7	13:06:41	150	100
4.52	3.98	-0.54	23.03	18.51	5.78	1.26	3.93	-0.59	30.43	25.91	13:21:41	150	100
4.64	3.54	-1.1	28.74	24.1	3.56	-1.08	4	-0.64	38.86	34.22	13:36:41	150	100
5.28	3.72	-1.56	1.2	-4.08	3.4	-1.88	3.88	-1.4	4.36	-0.92	13:51:41	150	100
4.3	3.82	-0.48	1.38	-2.92	4.75	0.45	3.89	-0.41	4.51	0.21	14:06:41	150	100
4.13	5.6	1.47	4.44	0.31	3.67	-0.46	3.51	-0.62	5.97	1.84	14:21:41	150	100
6.18	4.81	-1.37	16.62	10.44	15.57	9.39	3.48	-2.7	30.11	23.93	14:36:41	150	100
6.02	5.45	-0.57	1.51	-4.51	7.67	1.65	3.48	-2.54	8.03	2.01	14:51:41	150	100
6.9	5.74	-1.16	4.03	-2.87	4.61	-2.29	5.88	-1.02	6.69	-0.21	15:06:41	150	100
12.7	4.63	-8.07	23.79	11.09	6.1	-6.6	3.9	-8.8	19.93	7.23	15:21:41	150	100
4.37	3.93	-0.44	5.84	1.47	13.8	9.43	3.53	-0.84	10.89	6.52	15:36:41	150	100
5.39	36.23	30.84	2.54	-2.85	3.64	-1.75	3.72	-1.67	5.49	0.1	15:51:41	150	100
6.34	10.56	4.22	11.2	4.86	33.65	27.31	3.8	-2.54	10.14	3.8	16:06:41	150	100


Dust monitoring summaries
IRM #2 EHS area MN0832D
Date : 6/09/2018
200
150
100
50
0
-50
08:06:41
08:21:41
08:36:41
08:51:41
09:06:41
09:21:41
09:36:41
09:51:41
10:06:41
10:21:41
10:36:41
10:51:41
11:06:41
11:21:41
11:36:41
11:51:41
12:06:41
12:21:41
12:36:41
12:51:41
13:06:41
13:21:41
13:36:41
13:51:41
14:06:41
14:21:41
14:36:41
14:51:41
15:06:41
15:21:41
15:36:41
15:51:41
16:06:41
NOTE:
Readings for Upwind monitor are absolute. Readings for downwind monitors are a measure of difference between upwind and downwind readings.
Threshold
Trigger
Unit 04 Upwind
Unit 01 Downwind 1
Unit 05 Downwind 2
Unit 06 Downwind 3 (AI)
Unit 07 Downwind 4
Unit 08 Downwind 5

Dust Monitoring Data
9 June 2018
IRM #2
Former Sperry Remington Site - North Portion

>"Model Number"	"PDR-150 1.34
Serial no.	"0115250204"
Tag Number	1
Start Time	07:54:13
Start Date	09-Jun-2018
Log Period	00:15:00
Number	33
CalFactor	1
Unit	0
Unit Name	"ug/m3"
TEMPUNITS	C
RH CORRECT	"ENABLED "
Max Disp	338.1313
Max Disp @	15:45:23 09-Jun-2018
Max STEL	37.26679
Max STEL @	15:56:33 09-Jun-2018
Avg point	9.953249
ALARM	"INSTANT "
ALARM_LEVEL(mg)	0.1
Errors	0
Inlet Type	"TOTAL "
FlowRate	1.2
Site Name	"Factory default"

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	10.01	17.5	57	744	0	08:09:13	09-Jun-2018
2	9.82	17.4	58	744	0	08:24:13	09-Jun-2018
3	11.19	18.4	57	744	0	08:39:13	09-Jun-2018
4	13.15	20.7	52	744	0	08:54:13	09-Jun-2018
5	15.36	23.5	45	744	0	09:09:13	09-Jun-2018
6	13.1	26.2	39	744	0	09:24:13	09-Jun-2018
7	12.17	27.9	36	744	0	09:39:13	09-Jun-2018
8	10.83	28.9	34	744	0	09:54:13	09-Jun-2018
9	11.7	28.5	35	744	0	10:09:13	09-Jun-2018
10	12.95	28.7	34	744	0	10:24:13	09-Jun-2018
11	8.84	29.1	31	744	0	10:39:13	09-Jun-2018
12	7.31	30.1	30	744	0	10:54:13	09-Jun-2018
13	6.08	31.3	27	744	0	11:09:13	09-Jun-2018
14	9.08	32.5	27	744	0	11:24:13	09-Jun-2018
15	10.26	33.3	28	744	0	11:39:13	09-Jun-2018
16	26.65	33.8	26	744	0	11:54:13	09-Jun-2018
17	9.58	34.1	25	744	0	12:09:13	09-Jun-2018
18	10.5	35	23	744	0	12:24:13	09-Jun-2018
19	18.71	35.8	22	744	0	12:39:13	09-Jun-2018
20	4.74	35.7	21	744	0	12:54:13	09-Jun-2018
21	4.44	34.7	22	744	0	13:09:13	09-Jun-2018
22	3.98	34	22	744	0	13:24:13	09-Jun-2018
23	3.54	33.4	21	744	0	13:39:13	09-Jun-2018
24	3.72	33.2	22	744	0	13:54:13	09-Jun-2018
25	3.82	32.9	23	744	0	14:09:13	09-Jun-2018
26	5.6	32.6	22	742	0	14:24:13	09-Jun-2018
27	4.81	32.4	23	742	0	14:39:13	09-Jun-2018
28	5.45	32.4	24	742	0	14:54:13	09-Jun-2018
29	5.74	32.1	24	742	0	15:09:13	09-Jun-2018
30	4.63	31.7	25	742	0	15:24:13	09-Jun-2018
31	3.93	31.6	26	742	0	15:39:13	09-Jun-2018
32	36.23	31.4	26	742	0	15:54:13	09-Jun-2018
33	10.56	30.8	27	742	0	16:09:13	09-Jun-2018

Dust Monitoring Data
9 June 2018
IRM #2
Former Sperry Remington Site - North Portion

>"Model N	"PDR-150(1.34
Serial no.	"0115250205"
Tag Numb	4
Start Time	07:51:41
Start Date	09-Jun-2018
Log Period	00:15:00
Number	33
CalFactor	1
Unit	0
Unit Name	"ug/m3"
TEMPUNIT	C
RH CORRE	"ENABLED "
Max Disp	117.5656
Max Disp (	15:16:25 09-Jun-2018
Max STEL	19.2582
Max STEL (	09:34:41 09-Jun-2018
Avg point	9.005833
ALARM	"INSTANT "
ALARM_LE	0.1
Errors	0
Inlet Type	"TOTAL "
FlowRate	1.2
Site Name	"Factory default"

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	10.21	16.5	63	744	1	08:06:41	09-Jun-2018
2	10.12	16.1	65	744	1	08:21:41	09-Jun-2018
3	11.12	16.5	65	744	1	08:36:41	09-Jun-2018
4	12.93	18.3	60	744	1	08:51:41	09-Jun-2018
5	17.85	20.5	54	744	1	09:06:41	09-Jun-2018
6	19.12	22.3	50	744	1	09:21:41	09-Jun-2018
7	16.32	23.5	46	744	1	09:36:41	09-Jun-2018
8	12.71	24.6	42	744	1	09:51:41	09-Jun-2018
9	12.73	24.9	43	744	0	10:06:41	09-Jun-2018
10	12.33	25.6	42	744	1	10:21:41	09-Jun-2018
11	13.78	26.9	37	744	1	10:36:41	09-Jun-2018
12	9.65	27.9	34	744	1	10:51:41	09-Jun-2018
13	6.97	28.8	31	744	1	11:06:41	09-Jun-2018
14	15.55	29.8	30	744	1	11:21:41	09-Jun-2018
15	9.48	30	30	744	1	11:36:41	09-Jun-2018
16	6.32	30.5	30	744	1	11:51:41	09-Jun-2018
17	7.07	30.7	30	744	1	12:06:41	09-Jun-2018
18	6.44	31.4	28	744	1	12:21:41	09-Jun-2018
19	6.59	32.3	27	744	1	12:36:41	09-Jun-2018
20	4.57	32.7	24	744	1	12:51:41	09-Jun-2018
21	4.54	32.4	25	744	1	13:06:41	09-Jun-2018
22	4.52	32.3	24	744	1	13:21:41	09-Jun-2018
23	4.64	32.8	23	744	1	13:36:41	09-Jun-2018
24	5.28	32.8	23	744	1	13:51:41	09-Jun-2018
25	4.3	32.4	23	744	1	14:06:41	09-Jun-2018
26	4.13	32.4	24	744	1	14:21:41	09-Jun-2018
27	6.18	32.2	23	744	1	14:36:41	09-Jun-2018
28	6.02	31.8	25	744	1	14:51:41	09-Jun-2018
29	6.9	31.9	26	744	1	15:06:41	09-Jun-2018
30	12.7	31.4	26	744	1	15:21:41	09-Jun-2018
31	4.37	31.2	27	744	1	15:36:41	09-Jun-2018
32	5.39	31.2	27	744	1	15:51:41	09-Jun-2018
33	6.34	31.2	27	744	1	16:06:41	09-Jun-2018

Dust Monitoring Data
9 June 2018
IRM #2
Former Sperry Remington Site - North Portion

>"Model N	"PDR-150(1.34
Serial no.	"0115249979"
Tag Numb	1
Start Time	07:30:49
Start Date	09-Jun-2018
Log Period	00:15:00
Number	34
CalFactor	1
Unit	0
Unit Name	"ug/m3"
TEMPUNIT	C
RH CORRE	"ENABLED "
Max Disp	185.3916
Max Disp (	14:55:44 09-Jun-2018
Max STEL	40.16818
Max STEL (	13:07:49 09-Jun-2018
Avg point	10.37509
ALARM	"INSTANT "
ALARM_LE	0.1
Errors	0
Inlet Type	"TOTAL "
FlowRate	1.2
Site Name	"Factory default"

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	11.26	18.1	60	744	3	07:45:49	09-Jun-2018
2	9.93	17.1	65	744	0	08:00:49	09-Jun-2018
3	9.15	16.3	69	744	0	08:15:49	09-Jun-2018
4	9.3	16.2	70	744	0	08:30:49	09-Jun-2018
5	10.33	17.2	67	744	0	08:45:49	09-Jun-2018
6	13.28	18.9	63	744	0	09:00:49	09-Jun-2018
7	13.47	21	57	744	0	09:15:49	09-Jun-2018
8	12.57	22.9	52	744	0	09:30:49	09-Jun-2018
9	10.8	24.2	48	744	0	09:45:49	09-Jun-2018
10	11.44	25.3	46	744	0	10:00:49	09-Jun-2018
11	10.1	25.6	46	744	0	10:15:49	09-Jun-2018
12	9.08	26	43	744	0	10:30:49	09-Jun-2018
13	5.84	26.7	40	744	0	10:45:49	09-Jun-2018
14	8.03	27.6	38	744	0	11:00:49	09-Jun-2018
15	6.52	28.2	37	744	0	11:15:49	09-Jun-2018
16	10.53	29	37	744	0	11:30:49	09-Jun-2018
17	11.96	29.7	36	744	0	11:45:49	09-Jun-2018
18	4.54	30.1	35	744	0	12:00:49	09-Jun-2018
19	11.28	30.3	35	744	0	12:15:49	09-Jun-2018
20	10.6	31.1	33	744	0	12:30:49	09-Jun-2018
21	12.69	32.2	31	744	0	12:45:49	09-Jun-2018
22	23.03	32.4	30	744	0	13:00:49	09-Jun-2018
23	28.74	32.2	31	744	0	13:15:49	09-Jun-2018
24	1.2	32.3	29	744	0	13:30:49	09-Jun-2018
25	1.38	32.4	28	744	0	13:45:49	09-Jun-2018
26	4.44	32	29	744	0	14:00:49	09-Jun-2018
27	16.62	31.9	29	742	0	14:15:49	09-Jun-2018
28	1.51	31.5	29	742	0	14:30:49	09-Jun-2018
29	4.03	31.3	30	742	0	14:45:49	09-Jun-2018
30	23.79	31.4	31	742	0	15:00:49	09-Jun-2018
31	5.84	31	31	742	0	15:15:49	09-Jun-2018
32	2.54	30.7	32	742	0	15:30:49	09-Jun-2018
33	11.2	30.6	32	742	0	15:45:49	09-Jun-2018
34	15.72	30.3	32	742	0	16:00:49	09-Jun-2018

Dust Monitoring Data
9 June 2018
IRM #2
Former Sperry Remington Site - North Portion

>"Model N	"PDR-150(1.34
Serial no.	"CM16411031"
Tag Numb(	0
Start Time	07:36:26
Start Date	09-Jun-2018
Log Period	00:15:00
Number	33
CalFactor	1
Unit	0
Unit Name	"ug/m3"
TEMPUNIT	C
RH CORRE(	"ENABLED "
Max Disp	160.5223
Max Disp (	14:10:30 09-Jun-2018
Max STEL	33.65178
Max STEL (	15:51:26 09-Jun-2018
Avg point	10.66222
ALARM	"DISABLED"
ALARM_LE	0
Errors	0
Inlet Type	"TOTAL "
FlowRate	1.2
Site Name	"Factory default"

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	12.03	13	57	744	1	07:51:26	09-Jun-2018
2	10.92	12.6	60	744	0	08:06:26	09-Jun-2018
3	10.49	13.2	58	744	0	08:21:26	09-Jun-2018
4	11.8	15.4	54	744	0	08:36:26	09-Jun-2018
5	12.03	20.2	40	744	0	08:51:26	09-Jun-2018
6	12.8	25	30	744	2	09:06:26	09-Jun-2018
7	11.08	28	25	746	2	09:21:26	09-Jun-2018
8	10.33	28.7	24	746	2	09:36:26	09-Jun-2018
9	9.26	28.9	23	744	2	09:51:26	09-Jun-2018
10	11.68	28.8	24	744	2	10:06:26	09-Jun-2018
11	19.25	28.1	25	744	2	10:21:26	09-Jun-2018
12	11.72	27.5	24	744	2	10:36:26	09-Jun-2018
13	27.22	28.2	23	744	2	10:51:26	09-Jun-2018
14	12.79	29.5	22	744	2	11:06:26	09-Jun-2018
15	9.06	30.4	19	744	2	11:21:26	09-Jun-2018
16	6.3	31	19	744	2	11:36:26	09-Jun-2018
17	21.95	32	20	744	2	11:51:26	09-Jun-2018
18	5.22	32.4	19	744	2	12:06:26	09-Jun-2018
19	10.25	32.6	18	744	2	12:21:26	09-Jun-2018
20	4.3	32.9	18	744	2	12:36:26	09-Jun-2018
21	5.2	33.2	17	744	2	12:51:26	09-Jun-2018
22	5.78	32.7	18	744	2	13:06:26	09-Jun-2018
23	3.56	31.9	18	744	2	13:21:26	09-Jun-2018
24	3.4	31.5	17	744	2	13:36:26	09-Jun-2018
25	4.75	31.2	17	744	2	13:51:26	09-Jun-2018
26	3.67	30.6	16	744	2	14:06:26	09-Jun-2018
27	15.57	29.9	18	744	2	14:21:26	09-Jun-2018
28	7.67	29.3	19	744	2	14:36:26	09-Jun-2018
29	4.61	29.5	19	744	2	14:51:26	09-Jun-2018
30	6.1	29.5	20	744	2	15:06:26	09-Jun-2018
31	13.8	28.6	21	742	2	15:21:26	09-Jun-2018
32	3.64	28.2	22	742	2	15:36:26	09-Jun-2018
33	33.65	27.9	22	742	2	15:51:26	09-Jun-2018

Dust Monitoring Data
9 June 2018
IRM #2
Former Sperry Remington Site - North Portion

>"Model N	"PDR-150 1.34
Serial no.	"0115250140"
Tag Numb	0
Start Time	07:26:31
Start Date	09-Jun-2018
Log Period	00:15:00
Number	34
CalFactor	1
Unit	0
Unit Name	"ug/m3"
TEMPUNIT	C
RH CORRE	"ENABLED "
Max Disp	32.65423
Max Disp (	08:59:54 09-Jun-2018
Max STEL	17.02382
Max STEL (	09:08:21 09-Jun-2018
Avg point	7.660554
ALARM	"DISABLED"
ALARM_LE	0
Errors	0
Inlet Type	"TOTAL "
FlowRate	1.2
Site Name	"Factory default"

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	12.18	18.1	56	744	1	07:41:31	09-Jun-2018
2	10.9	17.3	60	744	0	07:56:31	09-Jun-2018
3	10.1	16.5	63	744	0	08:11:31	09-Jun-2018
4	9.99	15.8	66	744	0	08:26:31	09-Jun-2018
5	11.22	15.4	68	744	0	08:41:31	09-Jun-2018
6	14.13	15.4	69	744	0	08:56:31	09-Jun-2018
7	16.94	15.8	69	744	0	09:11:31	09-Jun-2018
8	15.08	17	66	744	0	09:26:31	09-Jun-2018
9	13.41	19.1	59	744	0	09:41:31	09-Jun-2018
10	12.69	21.2	53	744	0	09:56:31	09-Jun-2018
11	12.5	22.5	50	744	0	10:11:31	09-Jun-2018
12	10.73	23.5	46	744	0	10:26:31	09-Jun-2018
13	10.01	24.8	42	744	0	10:41:31	09-Jun-2018
14	6.47	26.4	39	744	0	10:56:31	09-Jun-2018
15	5.93	27.5	35	744	0	11:11:31	09-Jun-2018
16	8.2	28.2	37	744	0	11:26:31	09-Jun-2018
17	6.19	28.9	35	744	0	11:41:31	09-Jun-2018
18	6.79	29.2	34	744	0	11:56:31	09-Jun-2018
19	5.42	29.5	34	744	0	12:11:31	09-Jun-2018
20	5.67	30.8	31	744	0	12:26:31	09-Jun-2018
21	4.98	31.9	29	744	0	12:41:31	09-Jun-2018
22	3.93	33	28	744	0	12:56:31	09-Jun-2018
23	4	33.7	28	744	0	13:11:31	09-Jun-2018
24	3.88	34.4	25	744	0	13:26:31	09-Jun-2018
25	3.89	34.3	23	742	0	13:41:31	09-Jun-2018
26	3.51	34.1	24	742	0	13:56:31	09-Jun-2018
27	3.48	34.2	25	742	0	14:11:31	09-Jun-2018
28	3.48	34.2	25	742	0	14:26:31	09-Jun-2018
29	5.88	34.3	25	742	0	14:41:31	09-Jun-2018
30	3.9	34.8	26	742	0	14:56:31	09-Jun-2018
31	3.53	34.7	27	742	0	15:11:31	09-Jun-2018
32	3.72	34.5	26	742	0	15:26:31	09-Jun-2018
33	3.8	34.2	27	742	0	15:41:31	09-Jun-2018
34	3.93	34.2	28	742	0	15:56:31	09-Jun-2018

Dust Monitoring Data
9 June 2018
IRM #2
Former Sperry Remington Site - North Portion

>"Model N	"PDR-150(1.34
Serial no.	"0115248865"
Tag Numb	1
Start Time	07:30:00
Start Date	09-Jun-2018
Log Period	00:15:00
Number	34
CalFactor	1
Unit	0
Unit Name	"ug/m3"
TEMPUNIT	C
RH CORRE	"ENABLED "
Max Disp	137.1644
Max Disp (	13:01:23 09-Jun-2018
Max STEL	55.44059
Max STEL (	13:08:20 09-Jun-2018
Avg point	12.82983
ALARM	"INSTANT "
ALARM_LE	0.1
Errors	0
Inlet Type	"TOTAL "
FlowRate	1.2
Site Name	"Factory default"

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	11.08	17.5	50	744	3	07:45:00	09-Jun-2018
2	9.43	16.6	59	744	0	08:00:00	09-Jun-2018
3	8.89	16.4	61	744	0	08:15:00	09-Jun-2018
4	9.38	17	57	744	0	08:30:00	09-Jun-2018
5	10.8	19.4	51	744	0	08:45:00	09-Jun-2018
6	13.08	22.6	45	744	0	09:00:00	09-Jun-2018
7	12.97	25.8	38	744	0	09:15:00	09-Jun-2018
8	13.08	28.2	34	744	0	09:30:00	09-Jun-2018
9	11.24	29.8	31	744	0	09:45:00	09-Jun-2018
10	12.13	30.3	30	744	0	10:00:00	09-Jun-2018
11	12.32	29.2	32	744	0	10:15:00	09-Jun-2018
12	15.98	28.7	32	744	0	10:30:00	09-Jun-2018
13	8.01	29.1	30	744	0	10:45:00	09-Jun-2018
14	14.12	30.2	28	744	0	11:00:00	09-Jun-2018
15	8.88	30.9	27	742	0	11:15:00	09-Jun-2018
16	11.24	31.6	26	742	0	11:30:00	09-Jun-2018
17	14.1	32.5	25	742	0	11:45:00	09-Jun-2018
18	6.5	32.6	24	742	0	12:00:00	09-Jun-2018
19	14.52	32.9	24	742	0	12:15:00	09-Jun-2018
20	10.58	33.6	23	742	0	12:30:00	09-Jun-2018
21	14.24	33.8	23	742	0	12:45:00	09-Jun-2018
22	30.43	33.3	22	742	0	13:00:00	09-Jun-2018
23	38.86	32.5	23	742	0	13:15:00	09-Jun-2018
24	4.36	31.6	23	742	0	13:30:00	09-Jun-2018
25	4.51	30.9	24	742	0	13:45:00	09-Jun-2018
26	5.97	30.1	25	742	0	14:00:00	09-Jun-2018
27	30.11	29.7	26	742	0	14:15:00	09-Jun-2018
28	8.03	29.3	26	742	0	14:30:00	09-Jun-2018
29	6.69	28.9	27	742	0	14:45:00	09-Jun-2018
30	19.93	28.9	28	742	0	15:00:00	09-Jun-2018
31	10.89	28.7	28	742	0	15:15:00	09-Jun-2018
32	5.49	28.5	29	742	0	15:30:00	09-Jun-2018
33	10.14	28.4	29	742	0	15:45:00	09-Jun-2018
34	18.24	28.4	30	742	0	16:00:00	09-Jun-2018

DAILY OBSERVATION REPORT

Report No.:	06	Project File:	MN0832D	Date:	6/11/2018

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Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Ashwin Ranna

Site Representative: Ashwin Ranna

Contractor: Recon

Arrive at Site: 0700 hrs. Leave Site: 1700 hrs.

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Clear	am	Partly Sunny	pm
Temperature:	52° F	am	78° F	pm
Wind Direction:	N 1 @ mph	am	NNE@ 3mph	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☐	N/A ☒
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☐	N/A ☒
	Vibration:	*Yes ☐	No ☐	N/A ☒
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☐	N/A ☒
Was there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☐	N/A ☒

WASTE HAULING :

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☐	N/A ☒

Materials Imported and Removed from Work Areas

Report No.: 06 Project File: MN0832D Date: 6/11/2018

Soil Removal:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported #2 Run of Crusher:

Total Loads today: 0 Total Loads to date:0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0700. Met with Recon and attended safety meeting. Todays safety topics covered site review and housekeeping
- Recon continued preparing North section of MSA for moving reuse material. Crane mats were taken off stockpile.
- Met with DI of EHS, inspected weather station on school property. Data available is instantaneous, recorded data on school website does not seem to be accessible.
- 2 Adler frac tanks were delivered to site.
- Rain for rent personnel on site, reviewed location to install the truck wash.
- AK on site at 1000. Met with Tim Schneider and Scott Williams of DEC. Site walk carried out to inspect school in preparation for meeting on Thursday. TS and SW recommended that the silt buildup next to the mulch bed be cleared up, the bare patches of soil in last year's haul road be reseeded and fenced off, and that privacy fence be installed on the fence separating the EHS and STCC.
- TS reviewed construction and operation of truck washes.

PM

- Jason Plumley met with AK and reviewed results of sampling in area west of the IRM.
- AK and Recon reviewed DEC recommendations to be implemented before Thursday. Recon put up a barricade along the bare patches of the grass. Recon labor left site at 1500.
- AK reviewed work plans and plans for work progress in phase1. JG arrived on site at 1600.

Report No.: 06 Project File: MN0832D Date: 6/11/2018

- AR and AK left site at 1700.

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- John Geary
- Brian Kilkenny
- Rich Tonnucour
- Bryan Balog
- Addison Hofferth
- (Recon labor) X6

Equipment and Materials:

- Dozer
- Excavator
- Trailer(X4)
- Generator
- Conex
- Roll off Bin
- GPS equipment for excavation
- Dozer
- Haul truck
- Heavy Dozer
- Water truck
- Adler Frac tanks

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Tim Schneider	DEC	NA
Scott Williams	DEC	NA
Dom Insogna	ECSD	NA
Mike Dunn	ECSD	NA
Jason Plumley	Welliver	NA

PROJECT SCHEDULE:

NTP Date: NA

Substantial Completion Date: NA

Completion Date: NA

ITEMS OF CONCERN:

Site Representative: Ashwin Ranna Date: 6/11/2018

DAILY OBSERVATION REPORT

Report No.: 06 Project File: MN0832D Date: 6/11/2018

Name: (*signature*)

c:

Photo Log

Date : 6/11/2018



Barricade and flags placed along patchy areas of grass



Frac tank for decon water unloaded on site



Prep to spread Geotextile on MSA north section



Crane mats taken off stockpile

DAILY OBSERVATION REPORT

Report No.:	06	Project File:	MN0832D	Date:	6/11/2018

Site Map



DAILY OBSERVATION REPORT

Report No.:	07	Project File:	MN0832D	Date:	6/12/2018

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Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Ashwin Ranna

Site Representative: Ashwin Ranna

Contractor: Recon

Arrive at Site: 0700 hrs. Leave Site: 1700 hrs.

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Clear	am	Partly Sunny	pm
Temperature:	61° F	am	74° F	pm
Wind Direction:	N 7 @ mph	am	SW@ 3 mph	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☐	N/A ☒
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☐	N/A ☒
	Vibration:	*Yes ☐	No ☐	N/A ☒
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☐	N/A ☒
Was there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☐	N/A ☒

WASTE HAULING :

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☐	N/A ☒

Materials Imported and Removed from Work Areas

Report No.: 07 Project File: MN0832D Date: 6/12/2018

Soil Removal:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported #2 Run of Crusher:

Total Loads today: 0 Total Loads to date:0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported Common Fill:

Total Loads today: 29 Total Loads to date: 29

Weight: 613Tons Total Weight to date: 613Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Geosyntec (AR+AK) arrived on site at 0700. Met with Recon and attended safety meeting. Todays safety topics covered traffic safety
- Edger trucks arrived on site with item 4 material. Recon labor spread out geotextile and prepared to extend the MSA. Straw wattle was placed along the edge of the MSA.
- Between 0800 and 1400 MSA was prepared and spread.
- Recon cleaned up area around mulch beds and removed excess silt from around mulch beds.
- Geosyntec reviewed drawings and identified areas where clarifications might be necessary.
- Additional adler frac tanks were brought and installed at the MSA and at the TSCA loading area.

PM

- 1200 to 1400 Recon and Geosyntec had a site meeting to discuss project work phases and documentation.
- 1400 Recon labor installed privacy fence along the border between EHS and STCC. Geotextile was laid down for the TSCA loading area and 9 truckloads of item 4 material was brought to location. Silt fence was installed along the edge of the placed material.
- Fence between STCC and EHS was taken down to begin installation of silt fence after privacy screens were installed between EHS and STCC.
- 1500 Scott Williams arrived on site and took one copy of the workplan. He reviewed the work area and inspected the MSA. He said he would e back on-site tomorrow.

Report No.: 07 Project File: MN0832D Date: 6/12/2018

- Ak left site at 1630. Recon labor left site at 1630. AR completed site shutdown and left site at 1700. Recon confirmed that they would be getting penn mulch for bald spots in old haul road, and that work would begin at 0630 tomorrow.

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- John Geary
- Brian Kilkenny
- Rich Tonnucour
- Bryan Balog
- Addison Hofferth
- (Recon labor) X8

Equipment and Materials:

- Dozer
- Excavator
- Trailer(X4)
- Generator
- Conex
- Roll off Bin
- GPS equipment for excavation
- Dozer
- Haul truck
- Heavy Dozer
- Water truck
- Adler Frac tanksX4

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	DEC	NA

PROJECT SCHEDULE:

NTP Date: NA

Substantial Completion Date: NA

Completion Date: NA

ITEMS OF CONCERN:

Site Representative: Ashwin Ranna Date: 6/12/2018

Name: (*signature*)



DAILY OBSERVATION REPORT

Report No.:	07	Project File:	MN0832D	Date:	6/12/2018

c:

Photo Log

Date : 6/12/2018



Geotextile placed on MSA north section



Spreading item 4 for MSA



Levelling area for TSCA loadout



Fixing privacy fence along EHS STCC fenceline

DAILY OBSERVATION REPORT

Report No.:	07	Project File:	MN0832D	Date:	6/12/2018

Site Map



DAILY OBSERVATION REPORT

Report No.:	08	Project File:	MN0832D	Date:	6/13/2018

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Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Ashwin Ranna

Site Representative: Ashwin Ranna

Contractor: Recon

Health & Safety: Ashwin Ranna

Arrive at Site: 0700 hrs. Leave Site: 1730 hrs.

Weather and Site Conditions

General Description:	Rain In morning	am	Partly Sunny	pm
Temperature:	57° F	am	75° F	pm
Wind Direction:	N 7 @ mph	am	N 14 mph	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☐	N/A ☒
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☐	N/A ☒
	Vibration:	*Yes ☐	No ☐	N/A ☒
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☐	N/A ☒
Was there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☐	N/A ☒

WASTE HAULING :

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☐	N/A ☒

Materials Imported and Removed from Work Areas

Report No.: 08 Project File: MN0832D Date: 6/13/2018

Soil Removal:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported #2 Run of Crusher:

Total Loads today: 0 Total Loads to date:0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported Common Fill:

Total Loads today: 24 Total Loads to date: 53

Weight: 505Tons Total Weight to date: 1118Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0630. Rain on site. Calibrated PDR's but decided not to install till rain stopped.
- Recon continued installing TSCA loading pad. Item 4 was brought in to level the area and compacted. Geotextile was spread, and liner was spread on top of geotextile. Recon spread Penn mulch along the patchy areas of the haul road.
- AR inspected the Penn mulch and recommended that more material be spread along that area. Recon brought and spread an additional 4 bags of material.
- AR contacted DI and requested school's assistance with watering the grassed area. Dom agreed to organizing the groundskeepers to help keep the mulch wet.
- Dust monitors were installed in the MSA. Recon cut open the liner around the MSA and began high piling the reuse material in the northern section of the MSA.
- Kevin Knapp arrived on site at 1130. He was very happy with the TSCA pad and requested that the material be left in place post construction. He also requested access to the pond gate for mowing later this week. He said that Recon could use a small section of the STCC to the south as a parking area. JG of Recon said he planned to put down poly and item 4 for the vehicles.
- Material shifting continued till 1400. Recon broke for lunch between 1215 and 1245. JG left site at 1200.

PM

- Concrete blocks arrived on site at 1500. Recon unloaded blocks at MSA.

Report No.: 08 Project File: MN0832D Date: 6/13/2018

- Scott Williams was on site at 1630. He inspected the Penn mulch and recommended that additional material be spread. Recon agreed to add more material and spread it in the morning. He was happy with the work being done at the TSCA pad and in the MSA.
- At 1615 Recon stopped moving material and began covering up the hi piled material. The MSA cover was replaced and closed for the day. Dust monitors were pulled at 1630. No elevated STEL readings were recorded.
- AR downloaded the data and left site at 1730.

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- John Geary
- Brian Kilkenny
- Rich Tonnucour
- Bryan Balog
- Addison Hofferth
- (Recon labor) X8

Equipment and Materials:

- Dozer
- Excavator
- Trailer(X4)
- Generator
- Conex
- Roll off Bin
- GPS equipment for excavation
- Dozer
- Haul truck
- Heavy Dozer
- Water truck
- Adler Frac tanksX4
- Concrete blocks.

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	DEC	NA
Kevin Knapp	STCC	NA

PROJECT SCHEDULE:

NTP Date: NA

Substantial Completion Date: NA

Completion Date: NA

ITEMS OF CONCERN:

Site Representative: Ashwin Ranna Date: 6/13/2018

DAILY OBSERVATION REPORT

Report No.: 08 Project File: MN0832D Date: 6/13/2018

Name: (*signature*)

c:

Photo Log

Date : 6/13/2018

	
Shifting Reuse to hi Pile	Penn mulch on patchy areas
	
Geotextile on top of item 4	Liner on top of geotextile 1 of 3

Report No.: 08 Project File: MN0832D Date: 6/13/2018

Photo Log

Date : 6/13/2018



Liner on top of geotextile 2 of 3



Liner spread on Geotextile



Unloading Concrete blocks at MSA



Covering Hi Pile at end of day.

DAILY OBSERVATION REPORT

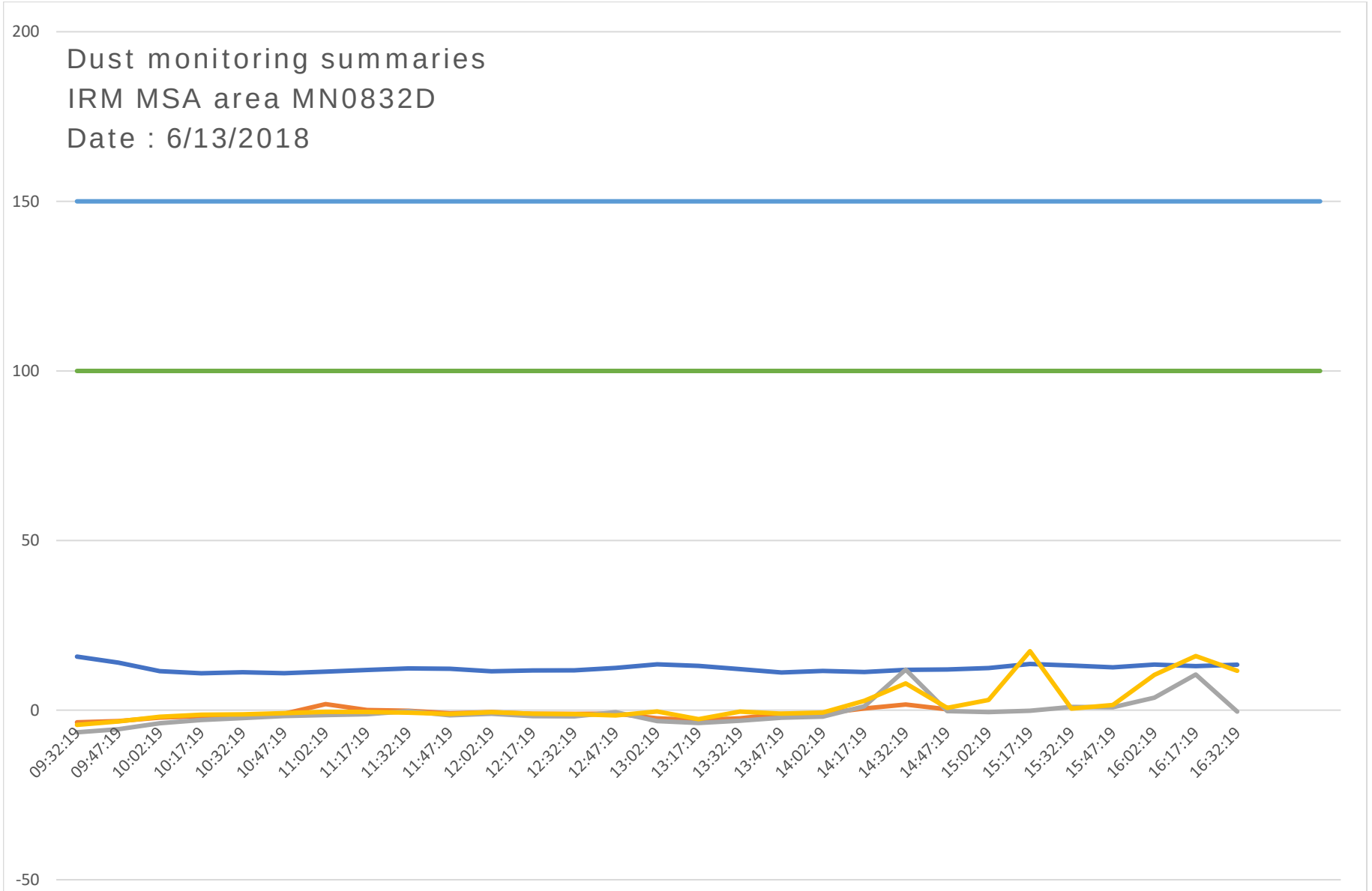
Report No.:	08	Project File:	MN0832D	Date:	6/13/2018

Site Map



Dust Monitoring Data
MSA - 13 June 2018
IRM #2
Former Sperry Remington Site - North Portion

Upwind	Downwind NW	Difference	Downwind N	Difference	Downwind NE	Difference	Time	Threshold	Trigger
15.78	12.2	-3.58	9.25	-6.53	11.44	-4.34	09:32:19	150	100
14.02	10.81	-3.21	8.4	-5.62	10.68	-3.34	09:47:19	150	100
11.5	9.3	-2.2	7.63	-3.87	9.54	-1.96	10:02:19	150	100
10.87	9.11	-1.76	7.98	-2.89	9.52	-1.35	10:17:19	150	100
11.19	9.42	-1.77	8.84	-2.35	9.96	-1.23	10:32:19	150	100
10.88	9.8	-1.08	9.13	-1.75	10.01	-0.87	10:47:19	150	100
11.35	13.13	1.78	9.89	-1.46	10.87	-0.48	11:02:19	150	100
11.86	11.91	0.05	10.67	-1.19	11.33	-0.53	11:17:19	150	100
12.31	12.13	-0.18	12.03	-0.28	11.57	-0.74	11:32:19	150	100
12.19	11.28	-0.91	10.65	-1.54	11.06	-1.13	11:47:19	150	100
11.47	10.87	-0.6	10.39	-1.08	10.88	-0.59	12:02:19	150	100
11.71	10.65	-1.06	9.93	-1.78	10.66	-1.05	12:17:19	150	100
11.73	10.62	-1.11	9.89	-1.84	10.57	-1.16	12:32:19	150	100
12.46	11.43	-1.03	11.87	-0.59	10.89	-1.57	12:47:19	150	100
13.51	11.12	-2.39	10.29	-3.22	13.13	-0.38	13:02:19	150	100
13.04	10.15	-2.89	9.24	-3.8	10.37	-2.67	13:17:19	150	100
12.08	9.66	-2.42	8.98	-3.1	11.65	-0.43	13:32:19	150	100
11.11	10.02	-1.09	8.89	-2.22	10.09	-1.02	13:47:19	150	100
11.58	10.61	-0.97	9.66	-1.92	10.88	-0.7	14:02:19	150	100
11.23	11.72	0.49	12.36	1.13	13.97	2.74	14:17:19	150	100
11.88	13.53	1.65	23.83	11.95	19.75	7.87	14:32:19	150	100
11.98	12.22	0.24	11.69	-0.29	12.65	0.67	14:47:19	150	100
12.4	34.21	21.81	11.84	-0.56	15.41	3.01	15:02:19	150	100
13.63	14.37	0.74	13.46	-0.17	31.02	17.39	15:17:19	150	100
13.16	14.22	1.06	14.13	0.97	13.61	0.45	15:32:19	150	100
12.64	13.14	0.5	13.47	0.83	14.15	1.51	15:47:19	150	100
13.45	18.55	5.1	17.13	3.68	23.83	10.38	16:02:19	150	100
12.98	25.35	12.37	23.47	10.49	28.93	15.95	16:17:19	150	100
13.4	14.23	0.83	12.99	-0.41	25.01	11.61	16:32:19	150	100



NOTE:

Readings for Upwind monitor are absolute. Readings for downwind monitors are a measure of difference between upwind and downwind readings.

>"Model N	"PDR-150	1.34
Serial no.	"0115248913"	
Tag Numb	0	
Start Time	09:13:04	
Start Date	13-Jun-2018	
Log Period	00:15:00	
Number	29	
CalFactor	1	
Unit	0	
Unit Name	"ug/m3"	
TEMPUNIT	C	
RH CORRE	"ENABLED "	
Max Disp	178.4509	
Max Disp (	14:52:35	13-Jun-2018
Max STEL	34.53716	
Max STEL (	15:06:14	13-Jun-2018
Avg point	12.95694	
ALARM	"INSTANT "	
ALARM_LE	0.1	
Errors	0	
Inlet Type	"TOTAL "	
FlowRate	1.2	
Site Name	"Factory default"	

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	12.2	21.1	67	734	5	09:28:04	13-Jun-2018
2	10.81	21.7	69	736	0	09:43:04	13-Jun-2018
3	9.3	22.5	67	736	0	09:58:04	13-Jun-2018
4	9.11	23.7	63	736	0	10:13:04	13-Jun-2018
5	9.42	24.8	61	736	0	10:28:04	13-Jun-2018
6	9.8	26.1	57	736	0	10:43:04	13-Jun-2018
7	13.13	26.8	55	736	0	10:58:04	13-Jun-2018
8	11.91	26.9	54	736	0	11:13:04	13-Jun-2018
9	12.13	26.2	55	736	0	11:28:04	13-Jun-2018
10	11.28	25.8	56	736	0	11:43:04	13-Jun-2018
11	10.87	25.9	57	736	0	11:58:04	13-Jun-2018
12	10.65	26.2	57	736	0	12:13:04	13-Jun-2018
13	10.62	26	58	736	0	12:28:04	13-Jun-2018
14	11.43	25.4	59	734	0	12:43:04	13-Jun-2018
15	11.12	24.7	63	734	0	12:58:04	13-Jun-2018
16	10.15	23.5	68	734	0	13:13:04	13-Jun-2018
17	9.66	23.8	68	734	0	13:28:04	13-Jun-2018
18	10.02	25.9	62	734	0	13:43:04	13-Jun-2018
19	10.61	27.9	56	734	0	13:58:04	13-Jun-2018
20	11.72	30.4	49	734	0	14:13:04	13-Jun-2018
21	13.53	31.3	46	734	0	14:28:04	13-Jun-2018
22	12.22	31.7	44	734	0	14:43:04	13-Jun-2018
23	34.21	30.8	45	734	0	14:58:04	13-Jun-2018
24	14.37	31.1	45	734	0	15:13:04	13-Jun-2018
25	14.22	31.3	46	734	0	15:28:04	13-Jun-2018
26	13.14	31.8	45	732	0	15:43:04	13-Jun-2018
27	18.55	31.4	46	732	0	15:58:04	13-Jun-2018
28	25.35	31.5	46	732	0	16:13:04	13-Jun-2018
29	14.23	31	47	732	0	16:28:04	13-Jun-2018

>"Model N	"PDR-150(	1.34
Serial no.	"0115249311"	
Tag Numb(	0	
Start Time	09:17:19	
Start Date	13-Jun-2018	
Log Period	00:15:00	
Number	29	
CalFactor	1	
Unit	0	
Unit Name	"ug/m3"	
TEMPUNIT	C	
RH CORRE(	"ENABLED "	
Max Disp	31.12227	
Max Disp (	09:17:24	13-Jun-2018
Max STEL	15.7814	
Max STEL (	09:32:19	13-Jun-2018
Avg point	12.3243	
ALARM	"INSTANT "	
ALARM_LE	0.1	
Errors	0	
Inlet Type	"TOTAL "	
FlowRate	1.2	
Site Name	"Factory default"	

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	15.78	19.4	62	736	1	09:32:19	13-Jun-2018
2	14.02	20.4	62	736	0	09:47:19	13-Jun-2018
3	11.5	21.7	58	736	0	10:02:19	13-Jun-2018
4	10.87	23.5	52	736	0	10:17:19	13-Jun-2018
5	11.19	25.1	49	736	0	10:32:19	13-Jun-2018
6	10.88	26.7	43	736	0	10:47:19	13-Jun-2018
7	11.35	27.8	40	736	0	11:02:19	13-Jun-2018
8	11.86	28.3	36	736	0	11:17:19	13-Jun-2018
9	12.31	27.4	39	736	0	11:32:19	13-Jun-2018
10	12.19	27.1	41	736	0	11:47:19	13-Jun-2018
11	11.47	27.5	40	736	0	12:02:19	13-Jun-2018
12	11.71	27.5	41	736	0	12:17:19	13-Jun-2018
13	11.73	26.9	42	736	0	12:32:19	13-Jun-2018
14	12.46	26.2	44	736	0	12:47:19	13-Jun-2018
15	13.51	25.4	52	736	0	13:02:19	13-Jun-2018
16	13.04	24.8	52	736	0	13:17:19	13-Jun-2018
17	12.08	25.6	50	736	0	13:32:19	13-Jun-2018
18	11.11	27.7	43	736	0	13:47:19	13-Jun-2018
19	11.58	29.8	39	736	0	14:02:19	13-Jun-2018
20	11.23	31.7	33	736	0	14:17:19	13-Jun-2018
21	11.88	32.6	30	736	0	14:32:19	13-Jun-2018
22	11.98	32	30	736	0	14:47:19	13-Jun-2018
23	12.4	31.3	33	736	0	15:02:19	13-Jun-2018
24	13.63	31.4	33	736	0	15:17:19	13-Jun-2018
25	13.16	32.1	32	734	0	15:32:19	13-Jun-2018
26	12.64	32.9	29	734	0	15:47:19	13-Jun-2018
27	13.45	33.7	29	734	0	16:02:19	13-Jun-2018
28	12.98	34.4	27	734	0	16:17:19	13-Jun-2018
29	13.4	33.5	28	734	0	16:32:19	13-Jun-2018

>"Model N	"PDR-150	1.34					
Serial no.	"CM15111014"						
Tag Numb	0						
Start Time	09:12:08						
Start Date	13-Jun-2018						
Log Period	00:15:00						
Number	29						
CalFactor	1						
Unit	0						
Unit Name	"ug/m3"						
TEMPUNIT	C						
RH CORRE	"ENABLED "						
Max Disp	210.3975						
Max Disp (	14:20:14	13-Jun-2018					
Max STEL	27.3844						
Max STEL (	15:59:18	13-Jun-2018					
Avg point	11.65507						
ALARM	"INSTANT "						
ALARM_LE	0.1						
Errors	0						
Inlet Type	"TOTAL "						
FlowRate	1.2						
Site Name	"Factory default"						

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	9.25	17.6	74	734	5	09:27:08	13-Jun-2018
2	8.4	18.6	74	736	0	09:42:08	13-Jun-2018
3	7.63	19.8	71	736	0	09:57:08	13-Jun-2018
4	7.98	22.5	62	736	0	10:12:08	13-Jun-2018
5	8.84	24.7	56	736	0	10:27:08	13-Jun-2018
6	9.13	26.5	51	736	0	10:42:08	13-Jun-2018
7	9.89	27.4	49	736	0	10:57:08	13-Jun-2018
8	10.67	27.8	47	736	0	11:12:08	13-Jun-2018
9	12.03	26.6	49	736	0	11:27:08	13-Jun-2018
10	10.65	25.5	52	736	0	11:42:08	13-Jun-2018
11	10.39	25.4	53	736	0	11:57:08	13-Jun-2018
12	9.93	25.5	54	736	0	12:12:08	13-Jun-2018
13	9.89	25	55	736	0	12:27:08	13-Jun-2018
14	11.87	24.1	58	736	0	12:42:08	13-Jun-2018
15	10.29	23.3	62	736	0	12:57:08	13-Jun-2018
16	9.24	22.4	66	736	0	13:12:08	13-Jun-2018
17	8.98	22.5	65	736	0	13:27:08	13-Jun-2018
18	8.89	24.3	60	736	0	13:42:08	13-Jun-2018
19	9.66	26.2	55	736	0	13:57:08	13-Jun-2018
20	12.36	28.2	50	736	0	14:12:08	13-Jun-2018
21	23.83	29.4	47	734	1	14:27:08	13-Jun-2018
22	11.69	30	44	734	0	14:42:08	13-Jun-2018
23	11.84	29.3	45	734	0	14:57:08	13-Jun-2018
24	13.46	29.2	47	734	0	15:12:08	13-Jun-2018
25	14.13	29.6	46	734	0	15:27:08	13-Jun-2018
26	13.47	30.3	44	734	0	15:42:08	13-Jun-2018
27	17.13	30.2	46	734	1	15:57:08	13-Jun-2018
28	23.47	30.7	44	734	0	16:12:08	13-Jun-2018
29	12.99	30.2	45	734	0	16:27:08	13-Jun-2018

>"Model N	"PDR-150	1.34
Serial no.	"0115250136"	
Tag Numb	0	
Start Time	09:16:04	
Start Date	13-Jun-2018	
Log Period	00:15:00	
Number	29	
CalFactor	1	
Unit	0	
Unit Name	"ug/m3"	
TEMPUNIT	C	
RH CORRE	"ENABLED "	
Max Disp	236.4536	
Max Disp (	15:08:27	13-Jun-2018
Max STEL	38.87981	
Max STEL (	16:25:04	13-Jun-2018
Avg point	13.91141	
ALARM	"INSTANT "	
ALARM_LE	0.1	
Errors	0	
Inlet Type	"TOTAL "	
FlowRate	1.2	
Site Name	"Factory default"	

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	11.44	22.4	75	734	1	09:31:04	13-Jun-2018
2	10.68	22.9	76	734	0	09:46:04	13-Jun-2018
3	9.54	23.4	74	734	0	10:01:04	13-Jun-2018
4	9.52	23.8	71	734	0	10:16:04	13-Jun-2018
5	9.96	24.4	70	734	0	10:31:04	13-Jun-2018
6	10.01	25.2	68	734	0	10:46:04	13-Jun-2018
7	10.87	25.9	66	734	0	11:01:04	13-Jun-2018
8	11.33	26.2	64	734	0	11:16:04	13-Jun-2018
9	11.57	26	64	734	0	11:31:04	13-Jun-2018
10	11.06	26	65	734	0	11:46:04	13-Jun-2018
11	10.88	26.5	64	734	0	12:01:04	13-Jun-2018
12	10.66	26.8	64	734	0	12:16:04	13-Jun-2018
13	10.57	26.6	65	734	0	12:31:04	13-Jun-2018
14	10.89	26.2	66	734	0	12:46:04	13-Jun-2018
15	13.13	25.8	70	734	0	13:01:04	13-Jun-2018
16	10.37	25.2	73	734	0	13:16:04	13-Jun-2018
17	11.65	26	69	734	0	13:31:04	13-Jun-2018
18	10.09	27.5	65	734	0	13:46:04	13-Jun-2018
19	10.88	28.7	62	734	0	14:01:04	13-Jun-2018
20	13.97	30.1	57	732	0	14:16:04	13-Jun-2018
21	19.75	31.2	53	732	0	14:31:04	13-Jun-2018
22	12.65	31.4	52	732	0	14:46:04	13-Jun-2018
23	15.41	31.2	53	732	0	15:01:04	13-Jun-2018
24	31.02	31.4	53	732	0	15:16:04	13-Jun-2018
25	13.61	31.9	51	732	0	15:31:04	13-Jun-2018
26	14.15	32.6	50	732	0	15:46:04	13-Jun-2018
27	23.83	33.3	49	732	0	16:01:04	13-Jun-2018
28	28.93	34.3	47	732	0	16:16:04	13-Jun-2018
29	25.01	33.6	48	732	0	16:31:04	13-Jun-2018

DAILY OBSERVATION REPORT

Report No.:	09	Project File:	MN0832D	Date:	6/14/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Ashwin Ranna

Site Representative: Ashwin Ranna

Contractor: Recon

Arrive at Site: 0700 hrs. Leave Site: 1730 hrs.

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Rain In morning	am	Partly Sunny	pm
Temperature:	53° F	am	84° F	pm
Wind Direction:	N 8.1 @ mph	am	WSW 21.9 mph	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☒	No ☐	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☐	N/A ☒
	Vibration:	*Yes ☐	No ☐	N/A ☒
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☐	N/A ☒
Was there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☐	N/A ☒

WASTE HAULING :

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☐	N/A ☒

Materials Imported and Removed from Work Areas

Report No.: 09 Project File: MN0832D Date: 6/14/2018

Soil Removal:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported #2 Run of Crusher:

Total Loads today: 0 Total Loads to date:0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: 53

Weight: Tons Total Weight to date: 1118Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0630. Rain on site. Calibrated PDR's and installed them on the MSA. Safety meeting reviewed PPE and Hi Viz clothing
- Recon uncovered the reuse material pile and began to shift material. AR and Recon labor spread Penn Mulch on the patchy areas at the back of the school.
- High gusts of wind knocked down the MSA fence and the Fence between EHS and STCC. All Recon activity was stopped to repair the fence lines at these two locations.
- EHS /STCC fence was braced and propped and replaced into position. Privacy screen was replaced, and holes were cut in it to reduce wind resistance.
- MSA fence was supported by driving poles and affixing the Fence to it. Fence repair activity continued till end of day.
- 20" straw wattle was brought to site and unloaded near the MSA.

PM

- Dom Insogna contacted AR at around 1345. EHS and Geosyntec inspected patchy areas and reviewed sources of water to water the placed Penn mulch. Dom said that he might be able to provide a hose for sprinkler systems and would look into the matter.
- Tim Schneider and 3 other DEC representatives were on site as well. They inspected the rear parking lot and Haul road. They wanted to know what was being done for the haul road patches and recommended replacing the Keep out signs with Keep off the grass signs.

Report No.: 09 Project File: MN0832D Date: 6/14/2018

- Geosyntec PB and WW arrived on site at 1400 for the public meeting.
- Recon labor covered up the soil stockpiles and shut down site for the day at 1600. Dust monitors were collected, and data was downloaded.
- Scott Williams arrived on site at 1630. AR handed over the figures printed out and went over the IRM work plan for the next few weeks.
- AR shut down site and left at 1700.

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- John Geary
- Brian Kilkenny
- Rich Tonnucour
- Bryan Balog
- Addison Hofferth
- (Recon labor) X8

Equipment and Materials:

- Dozer
- Excavator
- Trailer(X4)
- Generator
- Conex
- Roll off Bin
- GPS equipment for excavation
- Dozer
- Haul truck
- Heavy Dozer
- Water truck
- Adler Frac tanksX4
- Concrete blocks

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	DEC	NA
Tim Schneider	DEC	NA
Dom Insogna	ECSD	NA

PROJECT SCHEDULE:

NTP Date: NA

Substantial Completion Date: NA

Completion Date: NA

ITEMS OF CONCERN:

Gusts of wind knocked the fence down along with the dust monitors. High readings for the monitors are associated with the time that the monitors were fallen and low to the ground. Contractor spread water on site to suppress the dust.

Site Representative: Ashwin Ranna Date: 6/14/2018

DAILY OBSERVATION REPORT

Report No.:	09	Project File:	MN0832D	Date:	6/14/2018

Name: (*signature*)



c:

Report No.: 09 Project File: MN0832D Date: 6/14/2018

Photo Log

Date : 6/14/2018



Reinforced EHS/STCC privacy fence



Placing poles for MSA Fence



Water sprayed on MSA for dust suppression



Plastic ocver on pile at end of day

DAILY OBSERVATION REPORT

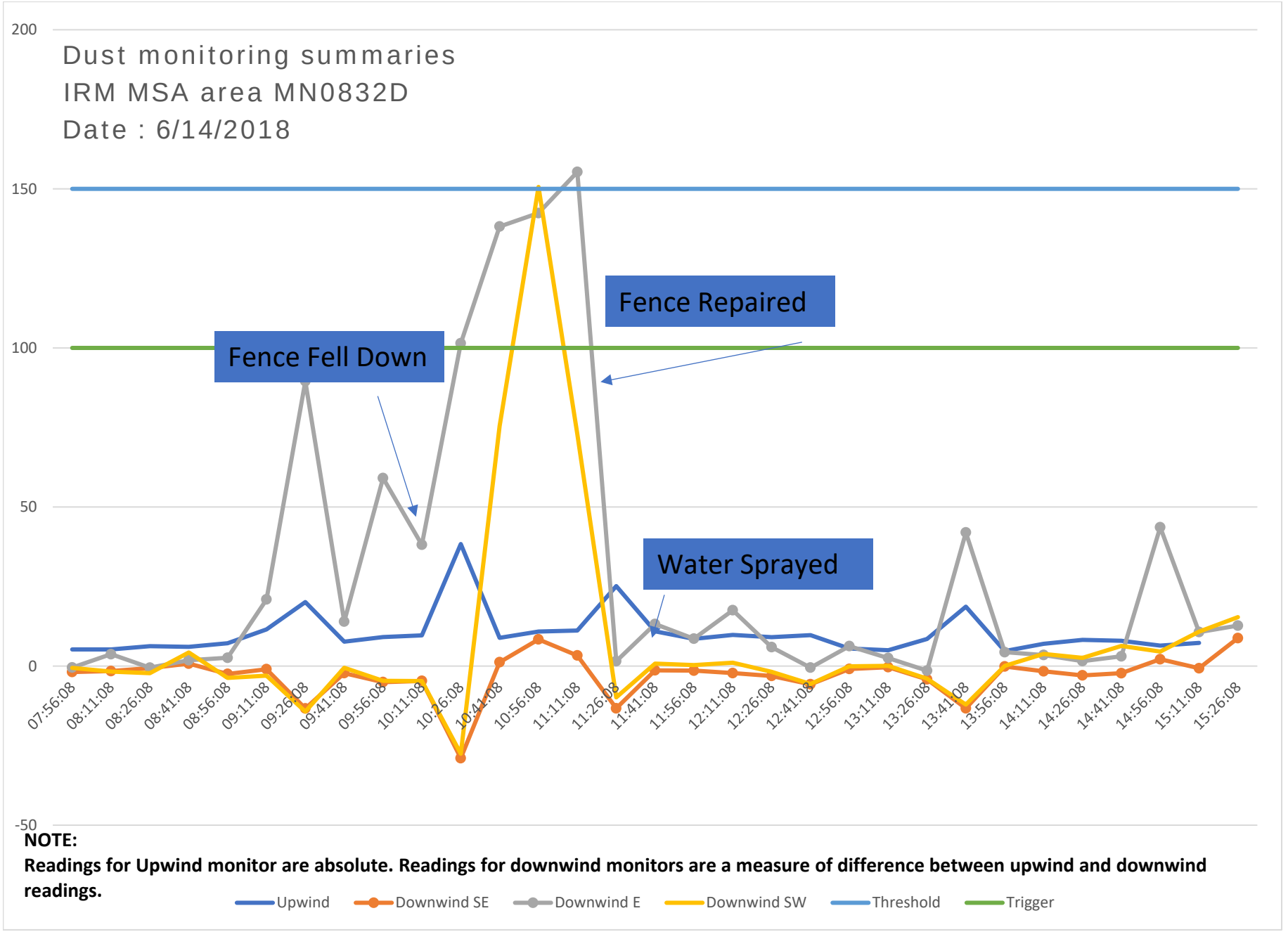
Report No.:	09	Project File:	MN0832D	Date:	6/14/2018

Site Map



Dust Monitoring Data
14 June 2018
IRM #2
Former Sperry Remington Site - North Portion

Upwind	Downwind SE	Difference	Downwind E	Difference	Downwind SW	Difference	Threshold	Trigger	Time
5.25	3.38	-1.87	4.8	-0.45	4.67	-0.58	150	100	07:56:08
5.23	3.66	-1.57	8.96	3.73	3.48	-1.75	150	100	08:11:08
6.27	5.62	-0.65	5.76	-0.51	4.04	-2.23	150	100	08:26:08
6.06	6.82	0.76	7.91	1.85	10.35	4.29	150	100	08:41:08
7.17	4.7	-2.47	9.78	2.61	3.45	-3.72	150	100	08:56:08
11.52	10.54	-0.98	32.47	20.95	8.51	-3.01	150	100	09:11:08
20.12	6.79	-13.33	109.65	89.53	5.84	-14.28	150	100	09:26:08
7.66	5.43	-2.23	21.66	14	7.13	-0.53	150	100	09:41:08
9.14	4.08	-5.06	68.23	59.09	4.52	-4.62	150	100	09:56:08
9.65	4.98	-4.67	47.79	38.14	4.93	-4.72	150	100	10:11:08
38.36	9.42	-28.94	139.81	101.45	10.8	-27.56	150	100	10:26:08
8.88	10.09	1.21	147.04	138.16	84.28	75.4	150	100	10:41:08
10.84	19.23	8.39	153.23	142.39	161.45	150.61	150	100	10:56:08
11.18	14.52	3.34	166.49	155.31	84.08	72.9	150	100	11:11:08
25.13	11.85	-13.28	26.65	1.52	15.29	-9.84	150	100	11:26:08
10.93	9.6	-1.33	24.15	13.22	11.7	0.77	150	100	11:41:08
8.54	7.12	-1.42	17.15	8.61	8.85	0.31	150	100	11:56:08
9.78	7.58	-2.2	27.33	17.55	10.83	1.05	150	100	12:11:08
9.07	5.96	-3.11	15.01	5.94	7.25	-1.82	150	100	12:26:08
9.73	4	-5.73	9.24	-0.49	4.12	-5.61	150	100	12:41:08
5.5	4.59	-0.91	11.76	6.26	5.44	-0.06	150	100	12:56:08
4.99	4.65	-0.34	7.5	2.51	5.06	0.07	150	100	13:11:08
8.51	4.34	-4.17	7.07	-1.44	4.54	-3.97	150	100	13:26:08
18.68	5.41	-13.27	60.67	41.99	6.57	-12.11	150	100	13:41:08
4.72	4.58	-0.14	9.1	4.38	4.78	0.06	150	100	13:56:08
6.99	5.35	-1.64	10.47	3.48	10.82	3.83	150	100	14:11:08
8.24	5.31	-2.93	9.81	1.57	10.81	2.57	150	100	14:26:08
7.95	5.71	-2.24	11.02	3.07	14.28	6.33	150	100	14:41:08
6.45	8.6	2.15	50.08	43.63	11.01	4.56	150	100	14:56:08
7.27	6.59	-0.68	17.95	10.68	18.09	10.82	150	100	15:11:08
	8.79	8.79	12.72	12.72	15.37	15.37	150	100	15:26:08



NOTE:

Readings for Upwind monitor are absolute. Readings for downwind monitors are a measure of difference between upwind and downwind readings.

>"Model Number"	"PDR-1500"	1.34
Serial no.	"0115249311"	
Tag Number	0	
Start Time	07:41:08	
Start Date	14-Jun-2018	
Log Period	00:15:00	
Number	30	
CalFactor	1	
Unit	0	
Unit Name	"ug/m3"	
TEMPUNITS	C	
RH CORRECT	"ENABLED "	
Max Disp	166.073489	
Max Disp @	10:25:41 14-Jun-2018	
Max STEL	39.793038	
Max STEL @	10:27:38 14-Jun-2018	
Avg point	10.326521	
ALARM	"INSTANT "	
ALARM_LEVEL(mg)	0.1	
Errors	0	
Inlet Type	"TOTAL "	
FlowRate	1.2	
Site Name	"Factory default"	

record	"ug/m3"	Temp	RHumidity	AtmoPressure	Flags		
1	5.25	15.3	42	734	5	07:56:08	14-Jun-2018
2	5.23	15.9	42	736	0	08:11:08	14-Jun-2018
3	6.27	16.7	40	736	0	08:26:08	14-Jun-2018
4	6.06	17.5	36	736	0	08:41:08	14-Jun-2018
5	7.17	18.3	35	736	0	08:56:08	14-Jun-2018
6	11.52	19	32	736	0	09:11:08	14-Jun-2018
7	20.12	19.6	31	736	0	09:26:08	14-Jun-2018
8	7.66	20.1	29	736	0	09:41:08	14-Jun-2018
9	9.14	20.6	29	736	0	09:56:08	14-Jun-2018
10	9.65	21	28	736	0	10:11:08	14-Jun-2018
11	38.36	21.4	27	736	0	10:26:08	14-Jun-2018
12	8.88	23	23	736	0	10:41:08	14-Jun-2018
13	10.84	25.5	18	736	0	10:56:08	14-Jun-2018
14	11.18	27.1	15	736	0	11:11:08	14-Jun-2018
15	25.13	27.8	12	736	0	11:26:08	14-Jun-2018
16	10.93	26.7	13	736	0	11:41:08	14-Jun-2018
17	8.54	26.2	13	736	0	11:56:08	14-Jun-2018
18	9.78	25.6	14	736	0	12:11:08	14-Jun-2018
19	9.07	25.5	14	736	0	12:26:08	14-Jun-2018
20	9.73	26	14	736	0	12:41:08	14-Jun-2018
21	5.5	26	15	736	0	12:56:08	14-Jun-2018
22	4.99	26.1	15	736	0	13:11:08	14-Jun-2018
23	8.51	26.2	15	736	0	13:26:08	14-Jun-2018
24	18.68	26.6	14	736	0	13:41:08	14-Jun-2018
25	4.72	26.3	14	736	0	13:56:08	14-Jun-2018
26	6.99	26	15	736	0	14:11:08	14-Jun-2018
27	8.24	27	14	736	0	14:26:08	14-Jun-2018
28	7.95	27.9	12	736	0	14:41:08	14-Jun-2018
29	6.45	28	12	736	0	14:56:08	14-Jun-2018
30	7.27	28.1	11	736	0	15:11:08	14-Jun-2018

>"Model Number"	"PDR-1500"	1.34
Serial no.	"0115248913"	
Tag Number	1	
Start Time	07:37:05	
Start Date	14-Jun-2018	
Log Period	00:15:00	
Number	31	
CalFactor	1	
Unit	0	
Unit Name	"ug/m3"	
TEMPUNITS	C	
RH CORRECT	"ENABLED "	
Max Disp	104.71009	
Max Disp @	10:42:59 14-Jun-2018	
Max STEL	19.774273	
Max STEL @	10:56:55 14-Jun-2018	
Avg point	7.073591	
ALARM	"INSTANT "	
ALARM_LEVEL(mg)	0.1	
Errors	0	
Inlet Type	"TOTAL "	
FlowRate	1.2	
Site Name	"Factory default"	

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	3.38	16.1	53	736	1	07:52:05	14-Jun-2018
2	3.66	18.6	45	736	0	08:07:05	14-Jun-2018
3	5.62	21.3	42	736	0	08:22:05	14-Jun-2018
4	6.82	23.9	36	736	0	08:37:05	14-Jun-2018
5	4.7	25.4	32	736	0	08:52:05	14-Jun-2018
6	10.54	26.2	31	736	0	09:07:05	14-Jun-2018
7	6.79	26.5	30	736	0	09:22:05	14-Jun-2018
8	5.43	26.8	29	736	0	09:37:05	14-Jun-2018
9	4.08	27	30	736	0	09:52:05	14-Jun-2018
10	4.98	26.7	30	736	0	10:07:05	14-Jun-2018
11	9.42	26	31	736	0	10:22:05	14-Jun-2018
12	10.09	25.3	33	736	0	10:37:05	14-Jun-2018
13	19.23	24.3	34	736	0	10:52:05	14-Jun-2018
14	14.52	24.1	35	736	0	11:07:05	14-Jun-2018
15	11.85	24.2	34	736	0	11:22:05	14-Jun-2018
16	9.6	24.4	32	736	0	11:37:05	14-Jun-2018
17	7.12	24.6	31	736	0	11:52:05	14-Jun-2018
18	7.58	24.8	31	736	0	12:07:05	14-Jun-2018
19	5.96	25	30	736	0	12:22:05	14-Jun-2018
20	4	25.5	30	736	0	12:37:05	14-Jun-2018
21	4.59	25.7	29	736	0	12:52:05	14-Jun-2018
22	4.65	25.8	30	736	0	13:07:05	14-Jun-2018
23	4.34	26.2	30	736	0	13:22:05	14-Jun-2018
24	5.41	26.6	29	736	0	13:37:05	14-Jun-2018
25	4.58	26.8	28	736	0	13:52:05	14-Jun-2018
26	5.35	26.8	28	736	0	14:07:05	14-Jun-2018
27	5.31	27.2	29	736	0	14:22:05	14-Jun-2018
28	5.71	27.7	27	736	0	14:37:05	14-Jun-2018
29	8.6	28	27	736	0	14:52:05	14-Jun-2018
30	6.59	28.3	26	736	0	15:07:05	14-Jun-2018
31	8.79	28.5	25	736	0	15:22:05	14-Jun-2018

>"Model N	"PDR-150	1.34
Serial no.	"CM15111014"	
Tag Numb	1	
Start Time	07:39:34	
Start Date	14-Jun-2018	
Log Period	00:15:00	
Number	31	
CalFactor	1	
Unit	0	
Unit Name	"ug/m3"	
TEMPUNIT	C	
RH CORRE	"ENABLED "	
Max Disp	1526.196	
Max Disp (	10:57:17	14-Jun-2018
Max STEL	269.7443	
Max STEL (	10:43:34	14-Jun-2018
Avg point	40.36274	
ALARM	"INSTANT "	
ALARM_LE	0.1	
Errors	0	
Inlet Type	"TOTAL "	
FlowRate	1.2	
Site Name	"Factory default"	

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	4.8	13	57	736	1	07:54:34	14-Jun-2018
2	8.96	13.4	57	736	0	08:09:34	14-Jun-2018
3	5.76	14.2	55	736	0	08:24:34	14-Jun-2018
4	7.91	15.3	51	736	0	08:39:34	14-Jun-2018
5	9.78	16.3	48	736	1	08:54:34	14-Jun-2018
6	32.47	16.9	46	736	1	09:09:34	14-Jun-2018
7	109.65	17.3	45	736	1	09:24:34	14-Jun-2018
8	21.66	17.8	44	736	1	09:39:34	14-Jun-2018
9	68.23	18.2	44	736	1	09:54:34	14-Jun-2018
10	47.79	18.5	44	736	1	10:09:34	14-Jun-2018
11	139.81	18.8	43	736	1	10:24:34	14-Jun-2018
12	147.04	19	44	736	1	10:39:34	14-Jun-2018
13	153.23	23	42	736	1	10:54:34	14-Jun-2018
14	166.49	27.9	32	736	1	11:09:34	14-Jun-2018
15	26.65	29	30	736	0	11:24:34	14-Jun-2018
16	24.15	27.9	30	736	0	11:39:34	14-Jun-2018
17	17.15	27.2	30	736	0	11:54:34	14-Jun-2018
18	27.33	29.2	27	736	0	12:09:34	14-Jun-2018
19	15.01	31.8	26	736	0	12:24:34	14-Jun-2018
20	9.24	34.6	23	736	0	12:39:34	14-Jun-2018
21	11.76	35.9	20	736	0	12:54:34	14-Jun-2018
22	7.5	36.7	20	736	0	13:09:34	14-Jun-2018
23	7.07	37.2	20	736	0	13:24:34	14-Jun-2018
24	60.67	36.5	19	736	1	13:39:34	14-Jun-2018
25	9.1	30.1	22	736	0	13:54:34	14-Jun-2018
26	10.47	27.1	25	736	0	14:09:34	14-Jun-2018
27	9.81	26.3	27	736	0	14:24:34	14-Jun-2018
28	11.02	26.1	26	736	0	14:39:34	14-Jun-2018
29	50.08	25.9	28	736	0	14:54:34	14-Jun-2018
30	17.95	26.4	26	736	0	15:09:34	14-Jun-2018
31	12.72	26.5	26	736	0	15:24:34	14-Jun-2018

>"Model N	"PDR-150(	1.34
Serial no.	"0115250136"	
Tag Numb(	1	
Start Time	07:36:23	
Start Date	14-Jun-2018	
Log Period	00:15:00	
Number	31	
CalFactor	1	
Unit	0	
Unit Name	"ug/m3"	
TEMPUNIT	C	
RH CORRE(	"ENABLED "	
Max Disp	1199.36	
Max Disp (	10:42:37	14-Jun-2018
Max STEL	207.178	
Max STEL (	10:45:13	14-Jun-2018
Avg point	18.1399	
ALARM	"INSTANT "	
ALARM_LE	0.1	
Errors	0	
Inlet Type	"TOTAL "	
FlowRate	1.2	
Site Name	"Factory default"	

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	4.67	18.2	56	734	2	07:51:23	14-Jun-2018
2	3.48	23.2	44	734	0	08:06:23	14-Jun-2018
3	4.04	27.7	36	734	0	08:21:23	14-Jun-2018
4	10.35	31	29	734	0	08:36:23	14-Jun-2018
5	3.45	32.3	27	734	0	08:51:23	14-Jun-2018
6	8.51	32.5	26	734	0	09:06:23	14-Jun-2018
7	5.84	32.3	26	734	0	09:21:23	14-Jun-2018
8	7.13	32.6	26	734	0	09:36:23	14-Jun-2018
9	4.52	32.8	26	734	0	09:51:23	14-Jun-2018
10	4.93	33	26	734	0	10:06:23	14-Jun-2018
11	10.8	32.8	26	734	0	10:21:23	14-Jun-2018
12	84.28	31.2	29	734	0	10:36:23	14-Jun-2018
13	161.45	28.1	34	734	0	10:51:23	14-Jun-2018
14	84.08	26.8	36	734	0	11:06:23	14-Jun-2018
15	15.29	26.3	37	734	0	11:21:23	14-Jun-2018
16	11.7	26.1	35	734	0	11:36:23	14-Jun-2018
17	8.85	26.2	34	734	0	11:51:23	14-Jun-2018
18	10.83	26.4	33	734	0	12:06:23	14-Jun-2018
19	7.25	26.6	33	734	0	12:21:23	14-Jun-2018
20	4.12	27.1	33	734	0	12:36:23	14-Jun-2018
21	5.44	27.5	33	734	0	12:51:23	14-Jun-2018
22	5.06	27.8	33	734	0	13:06:23	14-Jun-2018
23	4.54	28.3	33	734	0	13:21:23	14-Jun-2018
24	6.57	28.8	32	734	0	13:36:23	14-Jun-2018
25	4.78	29.1	31	734	0	13:51:23	14-Jun-2018
26	10.82	29.3	30	734	0	14:06:23	14-Jun-2018
27	10.81	29.7	31	734	0	14:21:23	14-Jun-2018
28	14.28	30.1	28	734	0	14:36:23	14-Jun-2018
29	11.01	30.4	29	734	0	14:51:23	14-Jun-2018
30	18.09	30.8	28	734	0	15:06:23	14-Jun-2018
31	15.37	30.9	27	734	0	15:21:23	14-Jun-2018

DAILY OBSERVATION REPORT

Report No.:	10	Project File:	MN0832D	Date:	6/15/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Ashwin Ranna

Site Representative: Ashwin Ranna

Contractor: Recon

Arrive at Site: 0700 hrs. Leave Site: 1600 hrs.

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Rain In morning	am	Partly Sunny	pm
Temperature:	48° F	am	75° F	pm
Wind Direction:	SSW 8.0 @ mph	am	NNE 13.8 mph	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☐	N/A ☒
	Vibration:	*Yes ☐	No ☐	N/A ☒
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☐	N/A ☒
Was there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☐	N/A ☒

WASTE HAULING :

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☐	N/A ☒

Materials Imported and Removed from Work Areas

Report No.: 10 Project File: MN0832D Date: 6/15/2018

Soil Removal:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported #2 Run of Crusher:

Total Loads today: 0 Total Loads to date:0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: 53

Weight: Tons Total Weight to date: 1118Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0630. Attended Recon safety meeting. Reviewed working around heavy equipment.
- Recon uncovered the reuse material pile and began to shift material. Dust monitors were installed around the perimeter of the MSA.
- Welliver began installing test piles within the LOD at the Rear parking lot. Geosyntec advised them to containerize the material generated and spread poly around the piles being driven. AR installed dust monitors around the work area.
- DEC arrived on site and reviewed the activities being carried out at the MSA. Heide advised that now that the soil movement was underway the DFR's should go out to both DEC and DOH regularly. She mentioned that Dust was the primary topic of the public meeting yesterday and that the local public scrutiny was currently very high. She recommended that we take extra efforts in spraying down the MSA and consider covering stockpiles even during lunch breaks. She also advised us to keep a scrutiny on the track outs from the MSA.
- AR checked dust monitors periodically and coordinated with Recon to mark out the 0-2 borings across the Rear parking lot and all boring locations for the phase 1 activities. Recon will be providing a laborer to help with collecting the auger samples.
- Welliver generated additional material during activities in the front parking area. They have stored the material near Geosyntec's Conex box on Poly and under poly.
- JP of Welliver mentioned that he had talked to Kevin about pile Q (stored near the boundary of the rear parking lot). He said that the pile would be disposed of by Recon during the IRM. He said something about treating the material as TSCA.

Report No.:	10	Project File:	MN0832D	Date:	6/15/2018

PM

- Recon began replacing straw wattle along edge of MSA with 20" straw wattle.
- Water was sprayed on site several times in the afternoon as the wind picked up.
- Recon completed compacting the TSCA loading pad/ Haul road area. The additional liner material was cut off and work was begun on preparing the sump for the TSCA loading area.
- Truck washes were brought to site and unloaded. 2 CAT excavators are also currently on site.
- Recon labor began covering the stockpile and shut down site at 1600. AR and Recon left site at 1630. AR headed to the library to update the IRM folders.

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- John Geary
- Brian Kilkenny
- Rich Tonnucour
- Bryan Balog
- Addison Hofferth
- (Recon labor) X8

Equipment and Materials:

- Dozer
- Excavator
- Trailer(X4)
- Generator
- Conex
- Roll off Bin
- GPS equipment for excavation
- Dozer
- Haul truck
- Heavy Dozer
- Water truck
- Adler Frac tanksX4
- Concrete blocks
- CAT excavators
- Truck washes

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Heide-Marie Dudek+3	DEC	NA
Jason Plumley	Welliver	NA

PROJECT SCHEDULE:

NTP Date: NA
Substantial Completion Date: NA
Completion Date: NA

ITEMS OF CONCERN:

Site Representative: Ashwin Ranna

Date: 6/15/2018

DAILY OBSERVATION REPORT

Report No.:	10	Project File:	MN0832D	Date:	6/15/2018

Name: (*signature*)



c:

Report No.: 10 Project File: MN0832D Date: 6/15/2018

Photo Log

Date : 6/15/2018



Welliver pile driving in Rear parking lot



Material generated from Front parking area(basketall court)



Installing 20” straw wattle



TSCA loading area compacted

Report No.: 01 Project File: MN0832D Date: 6/15/2018



Building sump for TSCA loading area



Water spread on site for dust suppression



Auto truck wshes delivered to site



Plastic ocver on pile at end of day

Report No.:	01	Project File:	MN0832D	Date:	6/15/2018

Site Map



Dust Monitoring Data

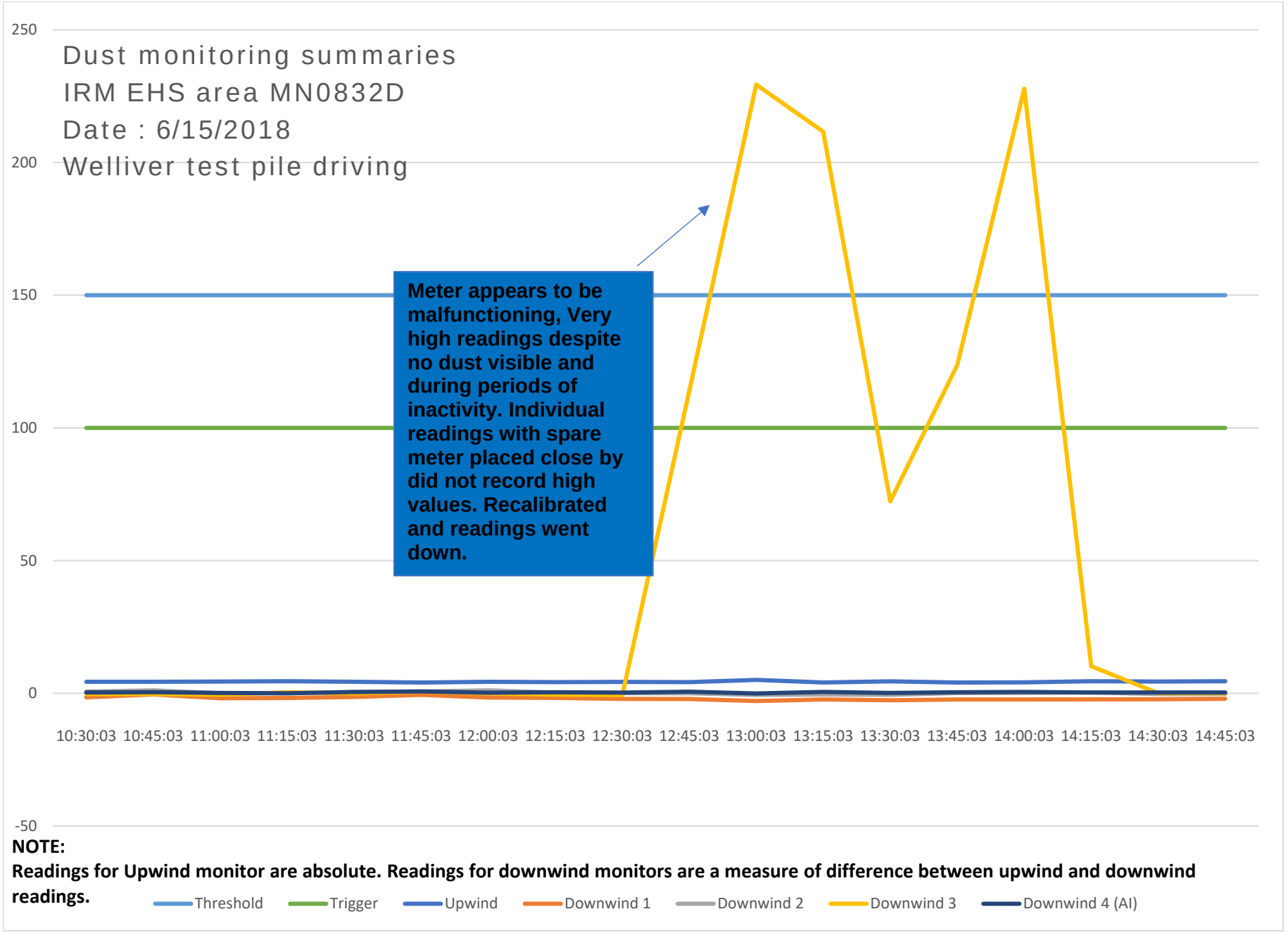
EHS 15 June 2018

IRM #2

Former Sperry Remington Site - North Portion

Beech and Bonaparte

Upwind	Downwind 1	Difference	Downwind 2	Difference	Downwind 3	Difference	Downwind 4 (A	Difference	Time	Threshold	Trigger
4.35	2.83	-1.52	5	0.65	4.08	-0.27	4.68	0.33	10:30:03	150	100
4.37	3.96	-0.41	5.49	1.12	4.1	-0.27	4.82	0.45	10:45:03	150	100
4.42	2.56	-1.86	4.45	0.03	3.91	-0.51	4.59	0.17	11:00:03	150	100
4.57	2.83	-1.74	4.61	0.04	4.99	0.42	4.6	0.03	11:15:03	150	100
4.35	2.97	-1.38	4.89	0.54	4.31	-0.04	4.86	0.51	11:30:03	150	100
4.07	3.49	-0.58	4.74	0.67	4.75	0.68	4.79	0.72	11:45:03	150	100
4.37	2.8	-1.57	5.5	1.13	4.37	0	4.62	0.25	12:00:03	150	100
4.22	2.49	-1.73	4.49	0.27	3.75	-0.47	4.64	0.42	12:15:03	150	100
4.33	2.25	-2.08	4.41	0.08	3.68	-0.65	4.6	0.27	12:30:03	150	100
4.22	2.09	-2.13	4.25	0.03	118.07	113.85	4.82	0.6	12:45:03	150	100
5.06	2.16	-2.9	4.46	-0.6	234.43	229.37	5.01	-0.05	13:00:03	150	100
4.11	1.78	-2.33	3.66	-0.45	215.69	211.58	4.66	0.55	13:15:03	150	100
4.51	1.9	-2.61	3.94	-0.57	76.84	72.33	4.67	0.16	13:30:03	150	100
4.07	1.78	-2.29	4.18	0.11	127.71	123.64	4.47	0.4	13:45:03	150	100
4.15	1.86	-2.29	4.28	0.13	231.96	227.81	4.67	0.52	14:00:03	150	100
4.56	2.31	-2.25	4.87	0.31	14.75	10.19	4.89	0.33	14:15:03	150	100
4.44	2.22	-2.22	4.17	-0.27	4.52	0.08	4.74	0.3	14:30:03	150	100
4.57	2.52	-2.05	4.33	-0.24	4.63	0.06	4.91	0.34	14:45:03	150	100



NOTE:

Readings for Upwind monitor are absolute. Readings for downwind monitors are a measure of difference between upwind and downwind readings.

>"Model N	"PDR-150	1.34
Serial no.	"0115250205"	
Tag Numb	0	
Start Time	10:15:03	
Start Date	15-Jun-2018	
Log Period	00:15:00	
Number	18	
CalFactor	1	
Unit	0	
Unit Name	"ug/m3"	
TEMPUNIT	C	
RH CORRE	"ENABLED "	
Max Disp	7.500334	
Max Disp (	10:54:04	15-Jun-2018
Max STEL	5.127465	
Max STEL (	12:58:23	15-Jun-2018
Avg point	4.374372	
ALARM	"INSTANT "	
ALARM_LE	0.1	
Errors	0	
Inlet Type	"TOTAL "	
FlowRate	1.2	
Site Name	"Factory default"	

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	4.35	24.1	42	740	1	10:30:03	15-Jun-2018
2	4.37	23.8	42	740	1	10:45:03	15-Jun-2018
3	4.42	24.6	39	740	1	11:00:03	15-Jun-2018
4	4.57	25.7	37	740	1	11:15:03	15-Jun-2018
5	4.35	26.7	35	740	1	11:30:03	15-Jun-2018
6	4.07	27.7	33	740	1	11:45:03	15-Jun-2018
7	4.37	28.5	31	740	1	12:00:03	15-Jun-2018
8	4.22	29.2	29	740	1	12:15:03	15-Jun-2018
9	4.33	30	28	740	1	12:30:03	15-Jun-2018
10	4.22	30.7	26	740	1	12:45:03	15-Jun-2018
11	5.06	31	26	740	1	13:00:03	15-Jun-2018
12	4.11	32	23	740	1	13:15:03	15-Jun-2018
13	4.51	33	20	740	1	13:30:03	15-Jun-2018
14	4.07	33.3	19	740	1	13:45:03	15-Jun-2018
15	4.15	33.4	19	740	1	14:00:03	15-Jun-2018
16	4.56	32.5	21	740	1	14:15:03	15-Jun-2018
17	4.44	32.2	21	740	1	14:30:03	15-Jun-2018
18	4.57	32.3	22	740	1	14:45:03	15-Jun-2018

>"Model N	"PDR-150	1.34
Serial no.	"0115249979"	
Tag Numb	0	
Start Time	10:15:03	
Start Date	15-Jun-2018	
Log Period	00:15:00	
Number	19	
CalFactor	1	
Unit	0	
Unit Name	"ug/m3"	
TEMPUNIT	C	
RH CORRE	"ENABLED "	
Max Disp	11.04954	
Max Disp (	10:35:22	15-Jun-2018
Max STEL	3.991787	
Max STEL (	10:47:13	15-Jun-2018
Avg point	2.465377	
ALARM	"INSTANT "	
ALARM_LE	0.1	
Errors	0	
Inlet Type	"TOTAL "	
FlowRate	1.2	
Site Name	"Factory default"	

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	2.83	23.3	46	740	5	10:30:03	15-Jun-2018
2	3.96	23.7	45	740	0	10:45:03	15-Jun-2018
3	2.56	24.1	43	740	0	11:00:03	15-Jun-2018
4	2.83	24.3	42	740	0	11:15:03	15-Jun-2018
5	2.97	24.6	41	740	0	11:30:03	15-Jun-2018
6	3.49	25	41	740	0	11:45:03	15-Jun-2018
7	2.8	25.4	39	740	0	12:00:03	15-Jun-2018
8	2.49	25.8	38	740	0	12:15:03	15-Jun-2018
9	2.25	26.1	37	740	0	12:30:03	15-Jun-2018
10	2.09	26.3	36	740	0	12:45:03	15-Jun-2018
11	2.16	26.8	35	740	0	13:00:03	15-Jun-2018
12	1.78	27.4	32	740	0	13:15:03	15-Jun-2018
13	1.9	28	29	740	0	13:30:03	15-Jun-2018
14	1.78	28.1	28	740	0	13:45:03	15-Jun-2018
15	1.86	28.2	28	740	0	14:00:03	15-Jun-2018
16	2.31	27.9	31	740	0	14:15:03	15-Jun-2018
17	2.22	27.8	30	740	0	14:30:03	15-Jun-2018
18	2.52	28.3	31	740	0	14:45:03	15-Jun-2018
19	2.04	28.8	31	740	0	15:00:03	15-Jun-2018

>"Model N	"PDR-150	1.34
Serial no.	"CM16411031"	
Tag Numb	0	
Start Time	10:15:03	
Start Date	15-Jun-2018	
Log Period	00:15:00	
Number	19	
CalFactor	1	
Unit	0	
Unit Name	"ug/m3"	
TEMPUNIT	C	
RH CORRE	"ENABLED "	
Max Disp	12.60452	
Max Disp (	14:51:36	15-Jun-2018
Max STEL	5.896678	
Max STEL (	10:37:53	15-Jun-2018
Avg point	4.548237	
ALARM	"INSTANT "	
ALARM_LE	0.1	
Errors	0	
Inlet Type	"TOTAL "	
FlowRate	1.2	
Site Name	"Factory default"	

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	5	18.7	38	740	7	10:30:03	15-Jun-2018
2	5.49	19.2	37	740	2	10:45:03	15-Jun-2018
3	4.45	20.1	34	740	2	11:00:03	15-Jun-2018
4	4.61	20.3	33	740	2	11:15:03	15-Jun-2018
5	4.89	20.4	33	740	0	11:30:03	15-Jun-2018
6	4.74	21	32	740	0	11:45:03	15-Jun-2018
7	5.5	21.5	31	740	2	12:00:03	15-Jun-2018
8	4.49	22.2	29	740	2	12:15:03	15-Jun-2018
9	4.41	22.8	27	740	2	12:30:03	15-Jun-2018
10	4.25	23	27	740	2	12:45:03	15-Jun-2018
11	4.46	23.4	26	740	2	13:00:03	15-Jun-2018
12	3.66	24.2	23	740	2	13:15:03	15-Jun-2018
13	3.94	24.6	20	740	2	13:30:03	15-Jun-2018
14	4.18	24.6	19	740	2	13:45:03	15-Jun-2018
15	4.28	24.7	20	740	2	14:00:03	15-Jun-2018
16	4.87	24.4	22	740	2	14:15:03	15-Jun-2018
17	4.17	24.2	22	740	2	14:30:03	15-Jun-2018
18	4.33	24.3	23	740	2	14:45:03	15-Jun-2018
19	4.68	25	23	740	2	15:00:03	15-Jun-2018

>"Model N	"PDR-150	1.34
Serial no.	"0115250204"	
Tag Numb	0	
Start Time	10:15:03	
Start Date	15-Jun-2018	
Log Period	00:15:00	
Number	19	
CalFactor	1	
Unit	0	
Unit Name	"ug/m3"	
TEMPUNIT	C	
RH CORRE	"ENABLED "	
Max Disp	248.3339	
Max Disp (	13:38:31	15-Jun-2018
Max STEL	238.0456	
Max STEL (	13:01:23	15-Jun-2018
Avg point	56.34128	
ALARM	"INSTANT "	
ALARM_LE	0.1	
Errors	0	
Inlet Type	"TOTAL "	
FlowRate	1.2	
Site Name	"Factory default"	

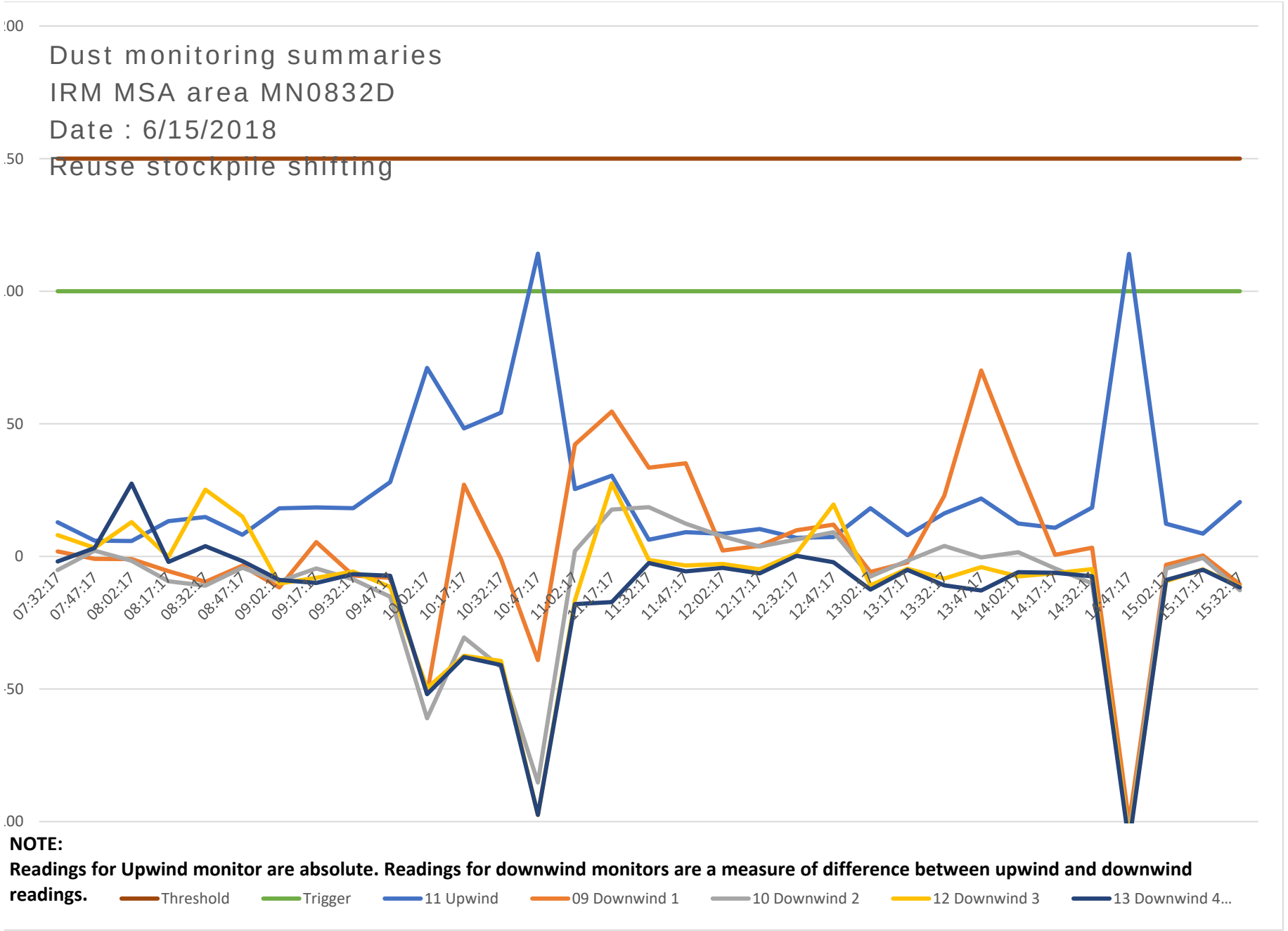
record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	4.08	26.2	36	740	1	10:30:03	15-Jun-2018
2	4.1	28.1	32	740	0	10:45:03	15-Jun-2018
3	3.91	29.6	29	740	0	11:00:03	15-Jun-2018
4	4.99	30.2	27	738	0	11:15:03	15-Jun-2018
5	4.31	30.2	28	740	0	11:30:03	15-Jun-2018
6	4.75	31.2	27	740	0	11:45:03	15-Jun-2018
7	4.37	31.7	25	740	0	12:00:03	15-Jun-2018
8	3.75	32.7	25	740	0	12:15:03	15-Jun-2018
9	3.68	34.1	22	740	0	12:30:03	15-Jun-2018
10	118.07	35.2	21	740	18	12:45:03	15-Jun-2018
11	234.43	35.9	20	740	18	13:00:03	15-Jun-2018
12	215.69	37.1	18	740	18	13:15:03	15-Jun-2018
13	76.84	38.1	15	740	18	13:30:03	15-Jun-2018
14	127.71	38.7	14	740	18	13:45:03	15-Jun-2018
15	231.96	38.9	14	740	18	14:00:03	15-Jun-2018
16	14.75	37.9	16	740	18	14:15:03	15-Jun-2018
17	4.52	36.9	16	740	0	14:30:03	15-Jun-2018
18	4.63	35.9	18	740	0	14:45:03	15-Jun-2018
19	3.92	36.6	18	740	0	15:00:03	15-Jun-2018

>"Model N	"PDR-150	1.34
Serial no.	"0115248865"	
Tag Numb	0	
Start Time	10:15:03	
Start Date	15-Jun-2018	
Log Period	00:15:00	
Number	18	
CalFactor	1	
Unit	0	
Unit Name	"ug/m3"	
TEMPUNIT	C	
RH CORRE	"ENABLED "	
Max Disp	6.738485	
Max Disp (	12:49:39	15-Jun-2018
Max STEL	5.120642	
Max STEL (	12:51:53	15-Jun-2018
Avg point	4.723954	
ALARM	"INSTANT "	
ALARM_LE	0.1	
Errors	0	
Inlet Type	"TOTAL "	
FlowRate	1.2	
Site Name	"Factory default"	

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	4.68	24.5	38	738	1	10:30:03	15-Jun-2018
2	4.82	26.5	32	738	0	10:45:03	15-Jun-2018
3	4.59	27.6	30	738	0	11:00:03	15-Jun-2018
4	4.6	28.5	28	738	0	11:15:03	15-Jun-2018
5	4.86	29.2	27	738	0	11:30:03	15-Jun-2018
6	4.79	29.5	27	738	0	11:45:03	15-Jun-2018
7	4.62	30.1	25	738	0	12:00:03	15-Jun-2018
8	4.64	30.5	24	738	0	12:15:03	15-Jun-2018
9	4.6	30.4	24	738	0	12:30:03	15-Jun-2018
10	4.82	30.3	24	738	0	12:45:03	15-Jun-2018
11	5.01	30.2	23	738	0	13:00:03	15-Jun-2018
12	4.66	30.5	22	738	0	13:15:03	15-Jun-2018
13	4.67	30.8	18	738	0	13:30:03	15-Jun-2018
14	4.47	30.6	19	738	0	13:45:03	15-Jun-2018
15	4.67	30.1	20	738	0	14:00:03	15-Jun-2018
16	4.89	29.4	23	738	0	14:15:03	15-Jun-2018
17	4.74	29.3	22	738	0	14:30:03	15-Jun-2018
18	4.91	29.5	24	738	0	14:45:03	15-Jun-2018

Dust Monitoring Data
MSA 15 June 2018
IRM #2
Former Sperry Remington Site - North Portion

11 Upwind	09 Downwind 1	Difference	10 Downwind 2	Difference	12 Downwind 3	Difference	13 Downwind 4 (AI)	Difference	Time	Threshold	Trigger
12.87	14.73	1.86	7.76	-5.11	20.9	8.03	10.96	-1.91	07:32:17	150	100
5.95	5.01	-0.94	8.14	2.19	9.2	3.25	9.11	3.16	07:47:17	150	100
5.81	4.8	-1.01	4.17	-1.64	18.78	12.97	33.28	27.47	08:02:17	150	100
13.32	7.77	-5.55	3.95	-9.37	13.12	-0.2	11.26	-2.06	08:17:17	150	100
14.87	5.27	-9.6	3.83	-11.04	40.06	25.19	18.73	3.86	08:32:17	150	100
8.17	4.65	-3.52	3.89	-4.28	23.22	15.05	6.39	-1.78	08:47:17	150	100
18.12	6.42	-11.7	8.71	-9.41	7.9	-10.22	9.25	-8.87	09:02:17	150	100
18.46	23.88	5.42	13.94	-4.52	10.41	-8.05	8.47	-9.99	09:17:17	150	100
18.19	11	-7.19	9.5	-8.69	12.48	-5.71	11.49	-6.7	09:32:17	150	100
28.01	19.93	-8.08	12.83	-15.18	16.5	-11.51	20.72	-7.29	09:47:17	150	100
71.07	19.32	-51.75	10.04	-61.03	21.46	-49.61	19.14	-51.93	10:02:17	150	100
48.27	75.32	27.05	17.74	-30.53	10.78	-37.49	10.33	-37.94	10:17:17	150	100
54.21	53.26	-0.95	12.45	-41.76	14.77	-39.44	13.26	-40.95	10:32:17	150	100
114.17	75.08	-39.09	28.89	-85.28	16.66	-97.51	16.71	-97.46	10:47:17	150	100
25.38	67.6	42.22	27.42	2.04	8.83	-16.55	7.38	-18	11:02:17	150	100
30.43	85.06	54.63	48.09	17.66	58	27.57	13.19	-17.24	11:17:17	150	100
6.31	39.78	33.47	24.88	18.57	4.96	-1.35	3.83	-2.48	11:32:17	150	100
9.16	44.27	35.11	21.51	12.35	5.74	-3.42	3.53	-5.63	11:47:17	150	100
8.56	10.79	2.23	16.15	7.59	5.71	-2.85	4.26	-4.3	12:02:17	150	100
10.32	14.34	4.02	14.08	3.76	5.47	-4.85	3.94	-6.38	12:17:17	150	100
7.02	16.89	9.87	13.38	6.36	8.19	1.17	7.25	0.23	12:32:17	150	100
7.3	19.29	11.99	16.42	9.12	26.87	19.57	5.12	-2.18	12:47:17	150	100
18.2	12.35	-5.85	10.63	-7.57	7.27	-10.93	5.69	-12.51	13:02:17	150	100
7.98	5.7	-2.28	6.36	-1.62	3.34	-4.64	2.92	-5.06	13:17:17	150	100
16.22	39.13	22.91	20.18	3.96	7.89	-8.33	5.33	-10.89	13:32:17	150	100
21.84	91.95	70.11	21.47	-0.37	17.84	-4	8.97	-12.87	13:47:17	150	100
12.39	46.89	34.5	13.96	1.57	4.85	-7.54	6.47	-5.92	14:02:17	150	100
10.78	11.4	0.62	6.25	-4.53	4.46	-6.32	4.58	-6.2	14:17:17	150	100
18.42	21.71	3.29	8.23	-10.19	13.62	-4.8	10.92	-7.5	14:32:17	150	100
114.07	13.72	-100.35	9	-105.07	7.76	-106.31	6.02	-108.05	14:47:17	150	100
12.34	9.15	-3.19	7.7	-4.64	2.99	-9.35	3.42	-8.92	15:02:17	150	100
8.57	8.91	0.34	7.98	-0.59	3.72	-4.85	3.53	-5.04	15:17:17	150	100
20.53	10.01	-10.52	7.75	-12.78	9.06	-11.47	8.84	-11.69	15:32:17	150	100



NOTE:

Readings for Upwind monitor are absolute. Readings for downwind monitors are a measure of difference between upwind and downwind readings.

>"Model N	"PDR-150(	1.34
Serial no.	"0115248912"	
Tag Numb	0	
Start Time	07:15:03	
Start Date	15-Jun-2018	
Log Period	00:15:00	
Number	33	
CalFactor	1	
Unit	0	
Unit Name	"ug/m3"	
TEMPUNIT	C	
RH CORRE(	"ENABLED "	
Max Disp	683.2686	
Max Disp (	13:34:00	15-Jun-2018
Max STEL	116.4892	
Max STEL (	13:39:53	15-Jun-2018
Avg point	27.13283	
ALARM	"INSTANT "	
ALARM_LE	0.1	
Errors	0	
Inlet Type	"TOTAL "	
FlowRate	1.2	
Site Name	"Factory default"	

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	14.73	15.9	50	738	1	07:30:03	15-Jun-2018
2	5.01	18.1	48	738	0	07:45:03	15-Jun-2018
3	4.8	19.1	44	738	0	08:00:03	15-Jun-2018
4	7.77	19.5	44	738	0	08:15:03	15-Jun-2018
5	5.27	19.8	43	738	0	08:30:03	15-Jun-2018
6	4.65	20.8	41	738	0	08:45:03	15-Jun-2018
7	6.42	22.2	39	738	0	09:00:03	15-Jun-2018
8	23.88	23.1	37	738	0	09:15:03	15-Jun-2018
9	11	26.1	34	740	0	09:30:03	15-Jun-2018
10	19.93	28	32	740	0	09:45:03	15-Jun-2018
11	19.32	25.8	32	740	0	10:00:03	15-Jun-2018
12	75.32	24.1	36	740	2	10:15:03	15-Jun-2018
13	53.26	23.4	37	738	0	10:30:03	15-Jun-2018
14	75.08	23.2	38	738	0	10:45:03	15-Jun-2018
15	67.6	23.3	37	738	0	11:00:03	15-Jun-2018
16	85.06	23.5	36	738	0	11:15:03	15-Jun-2018
17	39.78	23.8	36	738	0	11:30:03	15-Jun-2018
18	44.27	24	37	738	0	11:45:03	15-Jun-2018
19	10.79	24.5	35	738	0	12:00:03	15-Jun-2018
20	14.34	24.9	34	738	0	12:15:03	15-Jun-2018
21	16.89	25.4	32	738	0	12:30:03	15-Jun-2018
22	19.29	25.6	30	738	0	12:45:03	15-Jun-2018
23	12.35	26.2	29	738	0	13:00:03	15-Jun-2018
24	5.7	26.8	28	738	0	13:15:03	15-Jun-2018
25	39.13	27.5	25	738	0	13:30:03	15-Jun-2018
26	91.95	27.6	24	740	0	13:45:03	15-Jun-2018
27	46.89	27.8	24	738	0	14:00:03	15-Jun-2018
28	11.4	27.5	26	738	0	14:15:03	15-Jun-2018
29	21.71	27.4	26	738	0	14:30:03	15-Jun-2018
30	13.72	27.8	27	738	0	14:45:03	15-Jun-2018
31	9.15	28.2	29	738	0	15:00:03	15-Jun-2018
32	8.91	28.1	28	738	0	15:15:03	15-Jun-2018
33	10.01	28	27	738	0	15:30:03	15-Jun-2018

>"Model N	"PDR-150(	1.34
Serial no.	"0115248913"	
Tag Numb(	0	
Start Time	07:17:55	
Start Date	15-Jun-2018	
Log Period	00:15:00	
Number	34	
CalFactor	1	
Unit	0	
Unit Name	"ug/m3"	
TEMPUNIT	C	
RH CORRE(	"ENABLED "	
Max Disp	181.7115	
Max Disp (	11:26:32	15-Jun-2018
Max STEL	50.99517	
Max STEL (	11:15:15	15-Jun-2018
Avg point	13.30738	
ALARM	"INSTANT "	
ALARM_LE	0.1	
Errors	0	
Inlet Type	"TOTAL "	
FlowRate	1.2	
Site Name	"Factory default"	

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	7.76	15.1	51	740	1	07:32:55	15-Jun-2018
2	8.14	19.3	43	740	0	07:47:55	15-Jun-2018
3	4.17	23.9	35	740	0	08:02:55	15-Jun-2018
4	3.95	26.9	31	740	0	08:17:55	15-Jun-2018
5	3.83	28.6	28	740	0	08:32:55	15-Jun-2018
6	3.89	30.5	26	740	0	08:47:55	15-Jun-2018
7	8.71	30.9	25	740	0	09:02:55	15-Jun-2018
8	13.94	30.2	26	740	0	09:17:55	15-Jun-2018
9	9.5	29.4	27	740	0	09:32:55	15-Jun-2018
10	12.83	28.9	29	740	0	09:47:55	15-Jun-2018
11	10.04	29.2	29	740	0	10:02:55	15-Jun-2018
12	17.74	28.9	28	740	0	10:17:55	15-Jun-2018
13	12.45	28	29	740	0	10:32:55	15-Jun-2018
14	28.89	27.9	29	740	0	10:47:55	15-Jun-2018
15	27.42	26.9	30	740	0	11:02:55	15-Jun-2018
16	48.09	27.5	29	740	0	11:17:55	15-Jun-2018
17	24.88	27.8	29	740	0	11:32:55	15-Jun-2018
18	21.51	27.3	29	740	0	11:47:55	15-Jun-2018
19	16.15	27.3	29	740	0	12:02:55	15-Jun-2018
20	14.08	27	29	740	0	12:17:55	15-Jun-2018
21	13.38	26.5	29	740	0	12:32:55	15-Jun-2018
22	16.42	26.3	30	740	0	12:47:55	15-Jun-2018
23	10.63	26.6	28	740	0	13:02:55	15-Jun-2018
24	6.36	26.8	26	740	0	13:17:55	15-Jun-2018
25	20.18	26.7	24	740	0	13:32:55	15-Jun-2018
26	21.47	26.4	24	740	0	13:47:55	15-Jun-2018
27	13.96	26.1	25	740	0	14:02:55	15-Jun-2018
28	6.25	25.7	28	740	0	14:17:55	15-Jun-2018
29	8.23	25.9	28	740	0	14:32:55	15-Jun-2018
30	9	26.9	27	740	0	14:47:55	15-Jun-2018
31	7.7	26.7	27	740	0	15:02:55	15-Jun-2018
32	7.98	25.8	29	740	0	15:17:55	15-Jun-2018
33	7.75	25.6	28	740	0	15:32:55	15-Jun-2018
34	5.17	25.2	28	740	0	15:47:55	15-Jun-2018

>"Model N	"PDR-150(	1.34
Serial no.	"0115249311"	
Tag Numb(	1	
Start Time	07:17:38	
Start Date	15-Jun-2018	
Log Period	00:15:00	
Number	33	
CalFactor	1	
Unit	0	
Unit Name	"ug/m3"	
TEMPUNIT	C	
RH CORRE(	"ENABLED "	
Max Disp	921.9841	
Max Disp (	14:40:00	15-Jun-2018
Max STEL	121.3977	
Max STEL (	14:43:08	15-Jun-2018
Avg point	24.16057	
ALARM	"INSTANT "	
ALARM_LE	0.1	
Errors	0	
Inlet Type	"TOTAL "	
FlowRate	1.2	
Site Name	"Factory default"	

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	12.87	14	41	742	1	07:32:38	15-Jun-2018
2	5.95	13.9	44	740	0	07:47:38	15-Jun-2018
3	5.81	13.7	45	740	0	08:02:38	15-Jun-2018
4	13.32	13.8	46	742	0	08:17:38	15-Jun-2018
5	14.87	14.2	46	740	0	08:32:38	15-Jun-2018
6	8.17	15	45	742	0	08:47:38	15-Jun-2018
7	18.12	15.7	43	742	0	09:02:38	15-Jun-2018
8	18.46	16.4	41	742	0	09:17:38	15-Jun-2018
9	18.19	17	41	742	0	09:32:38	15-Jun-2018
10	28.01	18.1	39	742	0	09:47:38	15-Jun-2018
11	71.07	21.1	31	742	0	10:02:38	15-Jun-2018
12	48.27	23	25	742	0	10:17:38	15-Jun-2018
13	54.21	23.9	21	740	0	10:32:38	15-Jun-2018
14	114.17	24.4	20	740	0	10:47:38	15-Jun-2018
15	25.38	24.8	20	740	0	11:02:38	15-Jun-2018
16	30.43	25	19	740	0	11:17:38	15-Jun-2018
17	6.31	24.8	21	740	0	11:32:38	15-Jun-2018
18	9.16	25	20	740	0	11:47:38	15-Jun-2018
19	8.56	25.4	19	740	0	12:02:38	15-Jun-2018
20	10.32	25.4	18	740	0	12:17:38	15-Jun-2018
21	7.02	25.3	18	740	0	12:32:38	15-Jun-2018
22	7.3	25.5	16	740	0	12:47:38	15-Jun-2018
23	18.2	26.1	14	742	0	13:02:38	15-Jun-2018
24	7.98	26.5	13	742	0	13:17:38	15-Jun-2018
25	16.22	26.8	11	742	0	13:32:38	15-Jun-2018
26	21.84	26.8	9	742	0	13:47:38	15-Jun-2018
27	12.39	26.4	10	740	0	14:02:38	15-Jun-2018
28	10.78	26.1	12	740	0	14:17:38	15-Jun-2018
29	18.42	26.2	12	740	0	14:32:38	15-Jun-2018
30	114.07	26.6	13	740	0	14:47:38	15-Jun-2018
31	12.34	26.7	13	740	0	15:02:38	15-Jun-2018
32	8.57	25.9	14	742	0	15:17:38	15-Jun-2018
33	20.53	26.3	13	742	0	15:32:38	15-Jun-2018

>"Model N	"PDR-150(	1.34
Serial no.	"CM15111014"	
Tag Numb(	2	
Start Time	07:16:23	
Start Date	15-Jun-2018	
Log Period	00:15:00	
Number	33	
CalFactor	1	
Unit	0	
Unit Name	"ug/m3"	
TEMPUNIT	C	
RH CORRE(	"ENABLED "	
Max Disp	703.9653	
Max Disp (	11:12:58	15-Jun-2018
Max STEL	58.2598	
Max STEL (	11:18:13	15-Jun-2018
Avg point	13.41887	
ALARM	"INSTANT "	
ALARM_LE	0.1	
Errors	0	
Inlet Type	"TOTAL "	
FlowRate	1.2	
Site Name	"Factory default"	

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	20.9	11.6	55	740	1	07:31:23	15-Jun-2018
2	9.2	11.7	56	740	0	07:46:23	15-Jun-2018
3	18.78	11.7	58	740	0	08:01:23	15-Jun-2018
4	13.12	11.7	59	740	0	08:16:23	15-Jun-2018
5	40.06	11.9	59	740	0	08:31:23	15-Jun-2018
6	23.22	12.1	60	740	0	08:46:23	15-Jun-2018
7	7.9	13	61	740	0	09:01:23	15-Jun-2018
8	10.41	13.8	59	740	0	09:16:23	15-Jun-2018
9	12.48	14.4	59	740	1	09:31:23	15-Jun-2018
10	16.5	14.9	58	740	1	09:46:23	15-Jun-2018
11	21.46	15.5	57	740	1	10:01:23	15-Jun-2018
12	10.78	16.1	55	740	0	10:16:23	15-Jun-2018
13	14.77	16.6	53	740	0	10:31:23	15-Jun-2018
14	16.66	17.1	52	740	0	10:46:23	15-Jun-2018
15	8.83	17.5	49	740	0	11:01:23	15-Jun-2018
16	58	17.8	49	740	0	11:16:23	15-Jun-2018
17	4.96	18.2	49	740	0	11:31:23	15-Jun-2018
18	5.74	18.6	48	740	0	11:46:23	15-Jun-2018
19	5.71	19.1	46	740	1	12:01:23	15-Jun-2018
20	5.47	19.6	44	740	1	12:16:23	15-Jun-2018
21	8.19	20.2	42	740	1	12:31:23	15-Jun-2018
22	26.87	21.2	41	740	1	12:46:23	15-Jun-2018
23	7.27	22.8	36	740	1	13:01:23	15-Jun-2018
24	3.34	24.6	32	740	0	13:16:23	15-Jun-2018
25	7.89	26.4	27	740	0	13:31:23	15-Jun-2018
26	17.84	27.6	26	740	0	13:46:23	15-Jun-2018
27	4.85	27.8	24	740	0	14:01:23	15-Jun-2018
28	4.46	27.3	27	740	0	14:16:23	15-Jun-2018
29	13.62	27.5	26	740	0	14:31:23	15-Jun-2018
30	7.76	27.7	27	740	0	14:46:23	15-Jun-2018
31	2.99	28.5	27	740	0	15:01:23	15-Jun-2018
32	3.72	28.1	27	740	0	15:16:23	15-Jun-2018
33	9.06	28.5	26	740	0	15:31:23	15-Jun-2018

>"Model N	"PDR-150	1.34
Serial no.	"0115250136"	
Tag Numb	2	
Start Time	07:17:17	
Start Date	15-Jun-2018	
Log Period	00:15:00	
Number	33	
CalFactor	1	
Unit	0	
Unit Name	"ug/m3"	
TEMPUNIT	C	
RH CORRE	"ENABLED "	
Max Disp	272.4244	
Max Disp (	08:00:36	15-Jun-2018
Max STEL	38.28742	
Max STEL (	08:07:37	15-Jun-2018
Avg point	9.524235	
ALARM	"INSTANT "	
ALARM_LE	0.1	
Errors	0	
Inlet Type	"TOTAL "	
FlowRate	1.2	
Site Name	"Factory default"	

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	10.96	16.4	56	738	1	07:32:17	15-Jun-2018
2	9.11	16.1	58	738	0	07:47:17	15-Jun-2018
3	33.28	15.6	61	738	0	08:02:17	15-Jun-2018
4	11.26	15.6	63	738	0	08:17:17	15-Jun-2018
5	18.73	15.8	62	738	0	08:32:17	15-Jun-2018
6	6.39	16.2	62	738	0	08:47:17	15-Jun-2018
7	9.25	17.6	60	738	0	09:02:17	15-Jun-2018
8	8.47	18.6	57	738	0	09:17:17	15-Jun-2018
9	11.49	19	57	740	0	09:32:17	15-Jun-2018
10	20.72	19.4	57	738	0	09:47:17	15-Jun-2018
11	19.14	19.9	56	738	0	10:02:17	15-Jun-2018
12	10.33	20.5	53	738	0	10:17:17	15-Jun-2018
13	13.26	21.1	49	738	0	10:32:17	15-Jun-2018
14	16.71	21.8	48	738	0	10:47:17	15-Jun-2018
15	7.38	22.3	47	738	0	11:02:17	15-Jun-2018
16	13.19	22.7	46	738	0	11:17:17	15-Jun-2018
17	3.83	23	46	738	0	11:32:17	15-Jun-2018
18	3.53	23.4	45	738	0	11:47:17	15-Jun-2018
19	4.26	23.8	43	738	0	12:02:17	15-Jun-2018
20	3.94	24.2	42	738	0	12:17:17	15-Jun-2018
21	7.25	24.7	40	738	0	12:32:17	15-Jun-2018
22	5.12	25.4	38	738	0	12:47:17	15-Jun-2018
23	5.69	26.1	37	738	0	13:02:17	15-Jun-2018
24	2.92	26.7	34	738	0	13:17:17	15-Jun-2018
25	5.33	27.3	31	738	0	13:32:17	15-Jun-2018
26	8.97	27.7	29	738	0	13:47:17	15-Jun-2018
27	6.47	27.9	29	738	0	14:02:17	15-Jun-2018
28	4.58	27.8	32	738	0	14:17:17	15-Jun-2018
29	10.92	27.8	31	738	0	14:32:17	15-Jun-2018
30	6.02	27.9	32	738	0	14:47:17	15-Jun-2018
31	3.42	28.2	34	738	0	15:02:17	15-Jun-2018
32	3.53	28.1	33	738	0	15:17:17	15-Jun-2018
33	8.84	28.3	32	738	0	15:32:17	15-Jun-2018

DAILY OBSERVATION REPORT

Report No.:	11	Project File:	MN0832D	Date:	6/16/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Ashwin Ranna

Site Representative: Ashwin Ranna

Contractor: Recon

Arrive at Site: 0645 hrs. Leave Site: 1800 hrs.

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Rain In morning	am	Partly Sunny	pm
Temperature:	45° F	am	84° F	pm
Wind Direction:	Calm	am	4.6 WNW mph	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☐	N/A ☒
	Vibration:	*Yes ☐	No ☐	N/A ☒
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☐	N/A ☒
Was there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☐	N/A ☒

WASTE HAULING :

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☐	N/A ☒

Materials Imported and Removed from Work Areas

Report No.: 11 Project File: MN0832D Date: 6/16/2018

Soil Removal:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported #2 Run of Crusher:

Total Loads today: 0 Total Loads to date:0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: 53

Weight: Tons Total Weight to date: 1118Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0630. Attended Recon safety meeting. Reviewed working around air knifing equipment and heat stress.
- Calibrated and set up air monitors around rear parking lot. Air knifing equipment (2 trucks +operators) arrived on site at 0830 and began air knifing at 0900.
- Air knifing continued throughout the day and water line was located near the fire hydrant to the south of the rear parking lot at approximately 7' BGS at that location.
- AR set up and started collecting 0-2 samples in phase 1. Grab samples were collected and are currently stored on ice.
- The man hole in the rear parking lot was opened and the 2 sewer line inverts were identified. It appears that the sewer line entering the manhole from the north is a brick constructed sewer line with an invert level of about 10' at the manhole.
- Recon broke for lunch at around 1200

PM

- At 1240 one of the air knifing operators experienced a clogged pipe. He used water to try and unclog the equipment. When this failed to dislodge the blockage, he added water to the material in storage. While trying to dislodge the block some of the material (~5 gallons) in the tube fell on to the asphalt.
- Truck proceeded to the spoil pad to unload material. During unloading some material (~ 50 gallons) spilled outside the spoil pad. Recon scraped up the spilled material onto the pad and stocked it back on poly. Additional poly was spread outside the pad and more straw wattle was spread around the spill pile.

Report No.: 11 Project File: MN0832D Date: 6/16/2018

- Geosyntec collected samples of the spilled material and the soil below it. Samples from Phase 1 and spoil material samples are currently stored on ice and will be shipped Monday. Geosyntec contacted DEC Scott Williams and let him know that there had been a spill on site. Scott requested photos and recommended vacuuming and sweeping up the spilt material.
- Air knifing also revealed a concrete monolith at least 4' x8' in the parking lot. BK of Recon has expressed concern that such monoliths make sheet piling unfeasible. He requested that we start considering alternatives to sheet piling like slide rail systems.
- Air knifing near the school could not locate the water line Interlocking cobbles made it difficult to extend the sheet pile to beyond 13' BGS at that location.
- Recon backfilled air knife holes with item 4 and sealed the tops with concrete. Air knife holes in the asphalt were backfilled, compacted and sealed with cold patch.
- Dust monitors were collected, and data downloaded. No exceedances were observed. Site was shut down at 1800.

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- (Recon labor) X4
- Air knifing operators X2

Equipment and Materials:

- Dozer
- Excavator
- Trailer(X4)
- Generator
- Conex
- Roll off Bin
- GPS equipment for excavation
- Dozer
- Haul truck
- Heavy Dozer
- Water truck
- Adler Frac tanksX4
- Concrete blocks
- CAT excavators
- Truck washes
- Air knifing trucks X 2

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone

PROJECT SCHEDULE:

NTP Date: NA
Substantial Completion Date: NA
Completion Date: NA

ITEMS OF CONCERN:

Report No.:	11	Project File:	MN0832D	Date:	6/16/2018

Site Representative: Ashwin Ranna

Date: 6/16/2018

Name: (*signature*)



c:

Report No.: 11 Project File: MN0832D Date: 6/16/2018

Photo Log

Date : 6/15/2018



Air knifing in rear parking lot



Welliver excliusion zone for pile driving test area



Concrete monolith exposed during air knifing



Opened sewer manole in parking lot.

Report No.: 11 Project File: MN0832D Date: 6/16/2018



Spilled Spoils from air knifing



Cleaned up spilled material on asphalt surface



Backfilling holes from airknifing with item 4 material



Covered air knife spoil materials

DAILY OBSERVATION REPORT

Report No.:	11	Project File:	MN0832D	Date:	6/16/2018

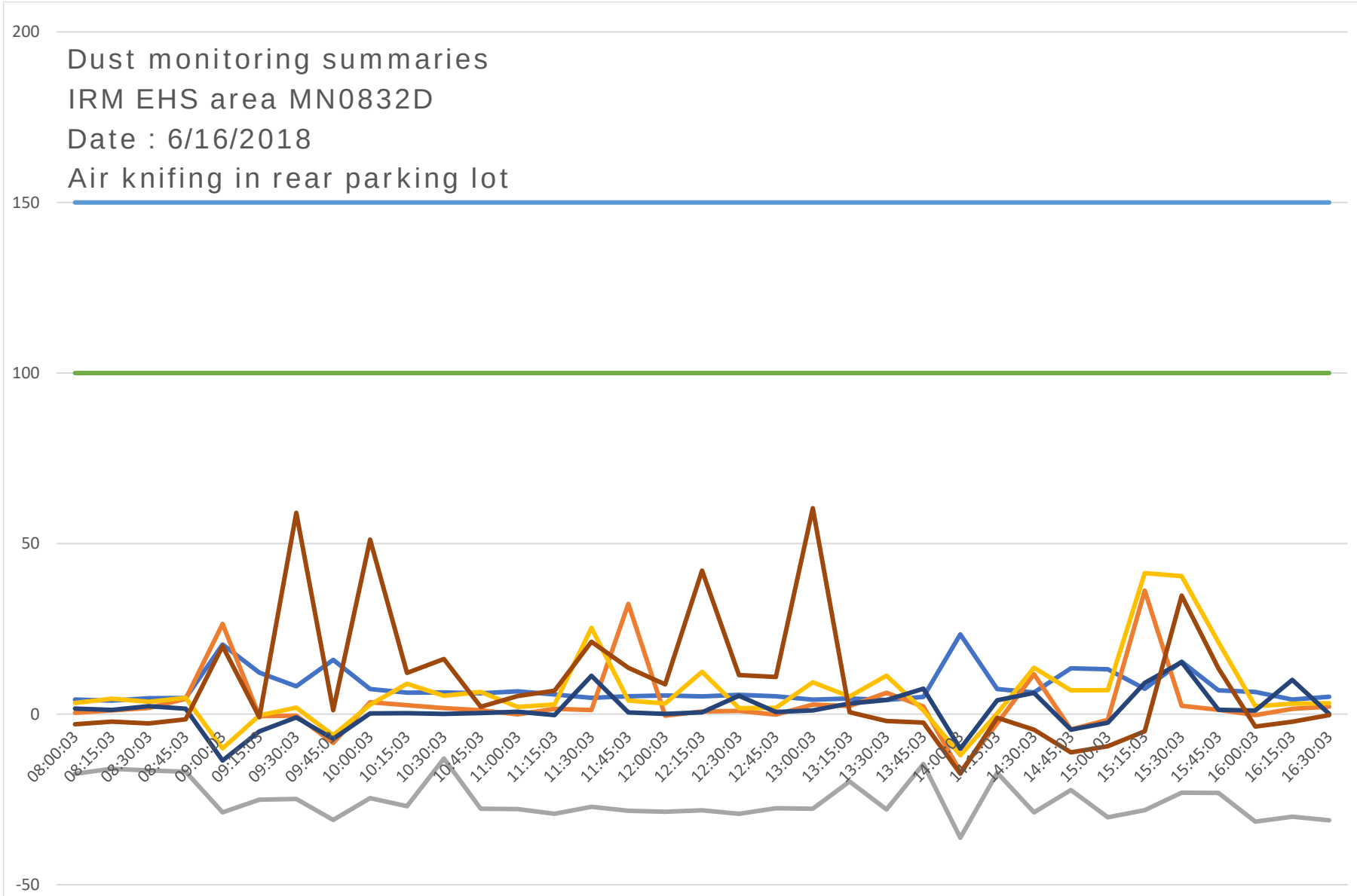
Site Map



Dust Monitoring Data
EHS 16 June 2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

04 Upwin	03 Downwind 1	Difference	05 Downwind	Difference	06 Downwind 3	Difference	07 Downwind 4	Difference	Downwind	Difference	Time	Threshold	Trigger
4.28	4.65	0.37	-13.19	-17.47	7.55	3.27	5.91	1.63	1.29	-2.99	08:00:03	150	100
3.96	5.06	1.1	-12.05	-16.01	8.5	4.54	5.19	1.23	1.77	-2.19	08:15:03	150	100
4.67	6.48	1.81	-11.85	-16.52	8.28	3.61	7	2.33	1.94	-2.73	08:30:03	150	100
4.72	9.2	4.48	-12.16	-16.88	9.48	4.76	6.31	1.59	3.18	-1.54	08:45:03	150	100
20.4	46.86	26.46	-8.4	-28.8	10.35	-10.05	6.8	-13.6	40.34	19.94	09:00:03	150	100
12.15	11.53	-0.62	-12.93	-25.08	11.77	-0.38	7.09	-5.06	11.23	-0.92	09:15:03	150	100
8.17	7.75	-0.42	-16.69	-24.86	10.07	1.9	7.23	-0.94	67.19	59.02	09:30:03	150	100
15.9	7.44	-8.46	-15.11	-31.01	9.72	-6.18	8.63	-7.27	17.03	1.13	09:45:03	150	100
7.34	10.84	3.5	-17.28	-24.62	10.11	2.77	7.55	0.21	58.53	51.19	10:00:03	150	100
6.3	8.92	2.62	-20.69	-26.99	15.2	8.9	6.59	0.29	18.41	12.11	10:15:03	150	100
6.36	8.14	1.78	-6.65	-13.01	11.75	5.39	6.43	0.07	22.52	16.16	10:30:03	150	100
6.11	7.24	1.13	-21.63	-27.74	12.62	6.51	6.41	0.3	8.28	2.17	10:45:03	150	100
6.67	6.6	-0.07	-21.16	-27.83	8.78	2.11	7.37	0.7	11.98	5.31	11:00:03	150	100
5.76	7.32	1.56	-23.46	-29.22	8.57	2.81	5.47	-0.29	12.61	6.85	11:15:03	150	100
4.79	5.99	1.2	-22.37	-27.16	30.06	25.27	16.05	11.26	26.02	21.23	11:30:03	150	100
5.22	37.53	32.31	-23.1	-28.32	9.21	3.99	5.7	0.48	18.81	13.59	11:45:03	150	100
5.48	5.01	-0.47	-23.12	-28.6	8.58	3.1	5.54	0.06	14.22	8.74	12:00:03	150	100
5.21	5.97	0.76	-22.97	-28.18	17.62	12.41	5.74	0.53	47.3	42.09	12:15:03	150	100
5.65	6.62	0.97	-23.57	-29.22	7.42	1.77	11.04	5.39	17.09	11.44	12:30:03	150	100
5.23	5.09	-0.14	-22.37	-27.6	7.07	1.84	5.85	0.62	16.11	10.88	12:45:03	150	100
4.25	7.05	2.8	-23.48	-27.73	13.57	9.32	5.33	1.08	64.62	60.37	13:00:03	150	100
4.59	6.96	2.37	-15.14	-19.73	9.76	5.17	7.71	3.12	5.15	0.56	13:15:03	150	100
4.15	10.41	6.26	-23.81	-27.96	15.44	11.29	8.28	4.13	2.13	-2.02	13:30:03	150	100
5.04	7.28	2.24	-9.57	-14.61	6.15	1.11	12.49	7.45	2.55	-2.49	13:45:03	150	100
23.39	6.53	-16.86	-12.86	-36.25	11.34	-12.05	13.24	-10.15	5.92	-17.47	14:00:03	150	100
7.36	4.67	-2.69	-9.84	-17.2	7.56	0.2	11.42	4.06	6.29	-1.07	14:15:03	150	100
6.35	18.04	11.69	-22.43	-28.78	19.95	13.6	12.56	6.21	1.79	-4.56	14:30:03	150	100
13.45	8.94	-4.51	-8.81	-22.26	20.42	6.97	8.9	-4.55	2.23	-11.22	14:45:03	150	100
13.14	11.48	-1.66	-17.09	-30.23	20.17	7.03	10.61	-2.53	3.73	-9.41	15:00:03	150	100
7.43	43.63	36.2	-20.71	-28.14	48.77	41.34	16.58	9.15	2.39	-5.04	15:15:03	150	100
15.39	17.82	2.43	-7.65	-23.04	55.86	40.47	30.64	15.25	50.15	34.76	15:30:03	150	100
6.96	8.24	1.28	-16.14	-23.1	28.05	21.09	8.22	1.26	20.37	13.41	15:45:03	150	100
6.51	6.24	-0.27	-25.01	-31.52	8.8	2.29	7.58	1.07	2.85	-3.66	16:00:03	150	100
4.29	5.86	1.57	-25.79	-30.08	7.36	3.07	14.32	10.03	2.07	-2.22	16:15:03	150	100
5.08	7.26	2.18	-26.05	-31.13	8.26	3.18	5.15	0.07	4.8	-0.28	16:30:03	150	100



NOTE:

Readings for Upwind monitor are absolute. Readings for downwind monitors are a measure of difference between upwind and downwind readings.

>"Model N	"PDR-150(	1.34
Serial no.	"0115250140"	
Tag Numb(	1	
Start Time	07:45:03	
Start Date	16-Jun-2018	
Log Period	00:15:00	
Number	35	
CalFactor	1	
Unit	0	
Unit Name	"ug/m3"	
TEMPUNIT	C	
RH CORRE(	"ENABLED "	
Max Disp	420.009	
Max Disp (	11:36:29	16-Jun-2018
Max STEL	54.83502	
Max STEL (	15:20:03	16-Jun-2018
Avg point	10.9901	
ALARM	"INSTANT "	
ALARM_LE	0.1	
Errors	0	
Inlet Type	"TOTAL "	
FlowRate	1.2	
Site Name	"Factory default"	

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	4.65	13.8	64	742	1	08:00:03	16-Jun-2018
2	5.06	14.9	63	742	0	08:15:03	16-Jun-2018
3	6.48	16.3	61	742	0	08:30:03	16-Jun-2018
4	9.2	21.3	49	742	0	08:45:03	16-Jun-2018
5	46.86	25.4	40	742	0	09:00:03	16-Jun-2018
6	11.53	28	36	742	0	09:15:03	16-Jun-2018
7	7.75	30	32	742	0	09:30:03	16-Jun-2018
8	7.44	31.9	31	742	0	09:45:03	16-Jun-2018
9	10.84	33	29	742	0	10:00:03	16-Jun-2018
10	8.92	33.2	31	742	0	10:15:03	16-Jun-2018
11	8.14	32.5	31	742	0	10:30:03	16-Jun-2018
12	7.24	32.3	31	742	0	10:45:03	16-Jun-2018
13	6.6	32.6	28	740	0	11:00:03	16-Jun-2018
14	7.32	32.9	26	740	0	11:15:03	16-Jun-2018
15	5.99	32.7	25	740	0	11:30:03	16-Jun-2018
16	37.53	31.8	27	740	0	11:45:03	16-Jun-2018
17	5.01	31.7	27	740	0	12:00:03	16-Jun-2018
18	5.97	31.7	26	740	0	12:15:03	16-Jun-2018
19	6.62	31.8	28	740	0	12:30:03	16-Jun-2018
20	5.09	32.5	26	740	0	12:45:03	16-Jun-2018
21	7.05	32.6	22	740	0	13:00:03	16-Jun-2018
22	6.96	32.8	23	740	0	13:15:03	16-Jun-2018
23	10.41	33	21	740	0	13:30:03	16-Jun-2018
24	7.28	33.3	20	740	0	13:45:03	16-Jun-2018
25	6.53	33.7	21	740	0	14:00:03	16-Jun-2018
26	4.67	34.3	20	740	0	14:15:03	16-Jun-2018
27	18.04	34.5	20	740	0	14:30:03	16-Jun-2018
28	8.94	34.9	20	740	0	14:45:03	16-Jun-2018
29	11.48	35.8	19	740	0	15:00:03	16-Jun-2018
30	43.63	36.4	18	740	0	15:15:03	16-Jun-2018
31	17.82	36.5	18	740	0	15:30:03	16-Jun-2018
32	8.24	36.9	18	740	0	15:45:03	16-Jun-2018
33	6.24	37.6	18	740	0	16:00:03	16-Jun-2018
34	5.86	37.9	18	740	0	16:15:03	16-Jun-2018
35	7.26	38.6	18	740	0	16:30:03	16-Jun-2018

>"Model N	"PDR-150	1.34
Serial no.	"0115250205"	
Tag Numb	1	
Start Time	07:45:03	
Start Date	16-Jun-2018	
Log Period	00:15:00	
Number	35	
CalFactor	1	
Unit	0	
Unit Name	"ug/m3"	
TEMPUNIT	C	
RH CORRE	"ENABLED "	
Max Disp	153.7297	
Max Disp (	13:57:33	16-Jun-2018
Max STEL	26.05553	
Max STEL (	09:08:13	16-Jun-2018
Avg point	7.764427	
ALARM	"INSTANT "	
ALARM_LE	0.1	
Errors	0	
Inlet Type	"TOTAL "	
FlowRate	1.2	
Site Name	"Factory default"	

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	4.28	14.1	61	742	1	08:00:03	16-Jun-2018
2	3.96	14	64	742	1	08:15:03	16-Jun-2018
3	4.67	14.1	65	742	1	08:30:03	16-Jun-2018
4	4.72	14.6	65	742	1	08:45:03	16-Jun-2018
5	20.4	15.4	64	742	1	09:00:03	16-Jun-2018
6	12.15	17	60	742	1	09:15:03	16-Jun-2018
7	8.17	18.8	55	742	1	09:30:03	16-Jun-2018
8	15.9	20.3	51	742	1	09:45:03	16-Jun-2018
9	7.34	21.3	50	742	1	10:00:03	16-Jun-2018
10	6.3	21.8	51	742	1	10:15:03	16-Jun-2018
11	6.36	22.5	50	742	1	10:30:03	16-Jun-2018
12	6.11	23.6	47	742	0	10:45:03	16-Jun-2018
13	6.67	25.7	37	742	1	11:00:03	16-Jun-2018
14	5.76	28.2	30	742	1	11:15:03	16-Jun-2018
15	4.79	30.3	26	742	1	11:30:03	16-Jun-2018
16	5.22	31.4	24	742	1	11:45:03	16-Jun-2018
17	5.48	32.2	24	742	1	12:00:03	16-Jun-2018
18	5.21	33	23	742	1	12:15:03	16-Jun-2018
19	5.65	33.8	21	742	1	12:30:03	16-Jun-2018
20	5.23	33.9	20	742	1	12:45:03	16-Jun-2018
21	4.25	34.6	19	742	1	13:00:03	16-Jun-2018
22	4.59	35.8	17	742	1	13:15:03	16-Jun-2018
23	4.15	37	16	742	1	13:30:03	16-Jun-2018
24	5.04	38	14	742	1	13:45:03	16-Jun-2018
25	23.39	38.8	13	742	1	14:00:03	16-Jun-2018
26	7.36	38.9	13	740	1	14:15:03	16-Jun-2018
27	6.35	39.4	13	740	1	14:30:03	16-Jun-2018
28	13.45	39.9	13	740	1	14:45:03	16-Jun-2018
29	13.14	40.9	13	740	1	15:00:03	16-Jun-2018
30	7.43	41.6	12	740	1	15:15:03	16-Jun-2018
31	15.39	42.2	12	740	1	15:30:03	16-Jun-2018
32	6.96	43	12	740	1	15:45:03	16-Jun-2018
33	6.51	43.4	11	740	1	16:00:03	16-Jun-2018
34	4.29	42.9	11	740	1	16:15:03	16-Jun-2018
35	5.08	42.6	12	740	1	16:30:03	16-Jun-2018

>"Model N	"PDR-150	1.34						
Serial no.	"0115249979"							
Tag Numb	1							
Start Time	07:45:03							
Start Date	16-Jun-2018							
Log Period	00:15:00							
Number	35							
CalFactor	1							
Unit	0							
Unit Name	"ug/m3"							
TEMPUNIT	C							
RH CORRE	"ENABLED "							
Max Disp	194.5325							
Max Disp (	10:24:39	16-Jun-2018						
Max STEL	0							
Max STEL (	13:07:49	09-Jun-2018						
Avg point	-17.5751							
ALARM	"INSTANT "							
ALARM_LE	0.1							
Errors	0							
Inlet Type	"TOTAL "							
FlowRate	1.2							
Site Name	"Factory default"							

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	-13.19	12.9	71	742	1	08:00:03	16-Jun-2018
2	-12.05	13	75	742	0	08:15:03	16-Jun-2018
3	-11.85	13.2	75	742	0	08:30:03	16-Jun-2018
4	-12.16	13.7	74	742	0	08:45:03	16-Jun-2018
5	-8.4	14.8	72	742	0	09:00:03	16-Jun-2018
6	-12.93	16.4	67	742	0	09:15:03	16-Jun-2018
7	-16.69	19.3	58	742	0	09:30:03	16-Jun-2018
8	-15.11	21.6	52	742	0	09:45:03	16-Jun-2018
9	-17.28	23.5	49	742	0	10:00:03	16-Jun-2018
10	-20.69	25.8	46	740	0	10:15:03	16-Jun-2018
11	-6.65	27.9	41	742	0	10:30:03	16-Jun-2018
12	-21.63	29.5	38	740	0	10:45:03	16-Jun-2018
13	-21.16	30.9	33	740	0	11:00:03	16-Jun-2018
14	-23.46	31.5	30	740	0	11:15:03	16-Jun-2018
15	-22.37	32.3	30	740	0	11:30:03	16-Jun-2018
16	-23.1	33.3	28	740	0	11:45:03	16-Jun-2018
17	-23.12	33.9	28	740	0	12:00:03	16-Jun-2018
18	-22.97	34.5	27	740	0	12:15:03	16-Jun-2018
19	-23.57	35.4	22	740	0	12:30:03	16-Jun-2018
20	-22.37	35.4	21	740	0	12:45:03	16-Jun-2018
21	-23.48	36.1	21	740	0	13:00:03	16-Jun-2018
22	-15.14	37.3	20	740	0	13:15:03	16-Jun-2018
23	-23.81	38.3	20	740	0	13:30:03	16-Jun-2018
24	-9.57	39.1	19	740	0	13:45:03	16-Jun-2018
25	-12.86	39.3	19	740	0	14:00:03	16-Jun-2018
26	-9.84	38.7	19	740	0	14:15:03	16-Jun-2018
27	-22.43	38.9	20	740	0	14:30:03	16-Jun-2018
28	-8.81	39.7	20	740	0	14:45:03	16-Jun-2018
29	-17.09	40.4	19	740	0	15:00:03	16-Jun-2018
30	-20.71	40.9	19	740	0	15:15:03	16-Jun-2018
31	-7.65	41.2	19	740	0	15:30:03	16-Jun-2018
32	-16.14	42	19	740	0	15:45:03	16-Jun-2018
33	-25.01	42.6	18	740	0	16:00:03	16-Jun-2018
34	-25.79	42.4	18	740	0	16:15:03	16-Jun-2018
35	-26.05	42.1	18	740	0	16:30:03	16-Jun-2018

>"Model N	"PDR-150(	1.34
Serial no.	"CM16411031"	
Tag Numb(	1	
Start Time	07:45:03	
Start Date	16-Jun-2018	
Log Period	00:15:00	
Number	35	
CalFactor	1	
Unit	0	
Unit Name	"ug/m3"	
TEMPUNIT	C	
RH CORRE(	"ENABLED "	
Max Disp	376.2521	
Max Disp (	15:18:18	16-Jun-2018
Max STEL	95.88867	
Max STEL (	15:22:33	16-Jun-2018
Avg point	14.40476	
ALARM	"INSTANT "	
ALARM_LE	0.1	
Errors	0	
Inlet Type	"TOTAL "	
FlowRate	1.2	
Site Name	"Factory default"	

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	7.55	11.5	55	742	0	08:00:03	16-Jun-2018
2	8.5	15	46	742	0	08:15:03	16-Jun-2018
3	8.28	17.8	39	742	2	08:30:03	16-Jun-2018
4	9.48	20.1	34	742	2	08:45:03	16-Jun-2018
5	10.35	21.8	32	742	2	09:00:03	16-Jun-2018
6	11.77	23.1	30	742	2	09:15:03	16-Jun-2018
7	10.07	24.1	29	742	2	09:30:03	16-Jun-2018
8	9.72	25.3	28	742	2	09:45:03	16-Jun-2018
9	10.11	26.5	27	742	2	10:00:03	16-Jun-2018
10	15.2	27.4	27	742	2	10:15:03	16-Jun-2018
11	11.75	27.8	27	742	2	10:30:03	16-Jun-2018
12	12.62	28.6	25	742	2	10:45:03	16-Jun-2018
13	8.78	29.1	22	742	2	11:00:03	16-Jun-2018
14	8.57	29.7	19	742	2	11:15:03	16-Jun-2018
15	30.06	30	19	742	2	11:30:03	16-Jun-2018
16	9.21	30.3	17	742	2	11:45:03	16-Jun-2018
17	8.58	30.5	16	742	2	12:00:03	16-Jun-2018
18	17.62	30.6	16	742	2	12:15:03	16-Jun-2018
19	7.42	31	17	742	2	12:30:03	16-Jun-2018
20	7.07	31.3	17	742	2	12:45:03	16-Jun-2018
21	13.57	31.8	15	742	2	13:00:03	16-Jun-2018
22	9.76	32.3	15	742	2	13:15:03	16-Jun-2018
23	15.44	32.9	15	742	2	13:30:03	16-Jun-2018
24	6.15	33.4	13	742	2	13:45:03	16-Jun-2018
25	11.34	33.6	13	742	2	14:00:03	16-Jun-2018
26	7.56	33.7	13	740	2	14:15:03	16-Jun-2018
27	19.95	34.3	13	740	2	14:30:03	16-Jun-2018
28	20.42	34.6	13	740	2	14:45:03	16-Jun-2018
29	20.17	34.5	13	740	2	15:00:03	16-Jun-2018
30	48.77	34.9	13	740	2	15:15:03	16-Jun-2018
31	55.86	34.9	12	740	2	15:30:03	16-Jun-2018
32	28.05	34.7	13	740	2	15:45:03	16-Jun-2018
33	8.8	34.6	13	740	2	16:00:03	16-Jun-2018
34	7.36	34.4	13	740	2	16:15:03	16-Jun-2018
35	8.26	34.5	13	740	2	16:30:03	16-Jun-2018

>"Model N	"PDR-150(	1.34
Serial no.	"0115250204"	
Tag Numb(	1	
Start Time	07:45:03	
Start Date	16-Jun-2018	
Log Period	00:15:00	
Number	35	
CalFactor	1	
Unit	0	
Unit Name	"ug/m3"	
TEMPUNIT	C	
RH CORRE(	"ENABLED "	
Max Disp	175.3511	
Max Disp (	15:29:42	16-Jun-2018
Max STEL	30.71658	
Max STEL (	15:30:23	16-Jun-2018
Avg point	9.054829	
ALARM	"INSTANT "	
ALARM_LE	0.1	
Errors	0	
Inlet Type	"TOTAL "	
FlowRate	1.2	
Site Name	"Factory default"	

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	5.91	14	61	742	5	08:00:03	16-Jun-2018
2	5.19	14.2	63	742	0	08:15:03	16-Jun-2018
3	7	14.7	61	742	0	08:30:03	16-Jun-2018
4	6.31	15.3	60	740	0	08:45:03	16-Jun-2018
5	6.8	16.2	59	740	0	09:00:03	16-Jun-2018
6	7.09	18.2	54	740	0	09:15:03	16-Jun-2018
7	7.23	20.5	48	740	0	09:30:03	16-Jun-2018
8	8.63	22.2	44	740	0	09:45:03	16-Jun-2018
9	7.55	23.8	42	740	0	10:00:03	16-Jun-2018
10	6.59	25.6	38	740	0	10:15:03	16-Jun-2018
11	6.43	27.3	36	740	0	10:30:03	16-Jun-2018
12	6.41	28.5	33	740	0	10:45:03	16-Jun-2018
13	7.37	30	27	740	0	11:00:03	16-Jun-2018
14	5.47	31.3	24	740	0	11:15:03	16-Jun-2018
15	16.05	32.3	23	740	0	11:30:03	16-Jun-2018
16	5.7	33.1	21	740	0	11:45:03	16-Jun-2018
17	5.54	34.2	20	740	0	12:00:03	16-Jun-2018
18	5.74	34.9	20	740	0	12:15:03	16-Jun-2018
19	11.04	35.4	19	740	0	12:30:03	16-Jun-2018
20	5.85	35.8	18	740	0	12:45:03	16-Jun-2018
21	5.33	35.6	16	740	0	13:00:03	16-Jun-2018
22	7.71	35.2	17	740	0	13:15:03	16-Jun-2018
23	8.28	35.3	16	740	0	13:30:03	16-Jun-2018
24	12.49	35.2	16	740	0	13:45:03	16-Jun-2018
25	13.24	35.4	17	740	0	14:00:03	16-Jun-2018
26	11.42	35.9	17	740	0	14:15:03	16-Jun-2018
27	12.56	36.1	17	740	0	14:30:03	16-Jun-2018
28	8.9	36.1	18	740	0	14:45:03	16-Jun-2018
29	10.61	36.8	17	740	0	15:00:03	16-Jun-2018
30	16.58	37	17	740	0	15:15:03	16-Jun-2018
31	30.64	37	17	738	0	15:30:03	16-Jun-2018
32	8.22	37.9	16	738	0	15:45:03	16-Jun-2018
33	7.58	38.9	16	738	0	16:00:03	16-Jun-2018
34	14.32	39.3	16	738	0	16:15:03	16-Jun-2018
35	5.15	39.9	16	738	0	16:30:03	16-Jun-2018

>"Model N	"PDR-150	1.34
Serial no.	"0115248865"	
Tag Numb	1	
Start Time	07:45:03	
Start Date	16-Jun-2018	
Log Period	00:15:00	
Number	35	
CalFactor	1	
Unit	0	
Unit Name	"ug/m3"	
TEMPUNIT	C	
RH CORRE	"ENABLED "	
Max Disp	900.2615	
Max Disp (	12:52:13	16-Jun-2018
Max STEL	67.18622	
Max STEL (	09:30:03	16-Jun-2018
Avg point	16.94032	
ALARM	"INSTANT "	
ALARM_LE	0.1	
Errors	0	
Inlet Type	"TOTAL "	
FlowRate	1.2	
Site Name	"Factory default"	

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	1.29	15.4	59	740	1	08:00:03	16-Jun-2018
2	1.77	22.2	41	740	0	08:15:03	16-Jun-2018
3	1.94	27.1	31	740	0	08:30:03	16-Jun-2018
4	3.18	30.9	24	740	0	08:45:03	16-Jun-2018
5	40.34	33.8	22	740	0	09:00:03	16-Jun-2018
6	11.23	36.5	19	740	0	09:15:03	16-Jun-2018
7	67.19	38.4	18	740	0	09:30:03	16-Jun-2018
8	17.03	38.7	18	740	0	09:45:03	16-Jun-2018
9	58.53	37.8	19	740	0	10:00:03	16-Jun-2018
10	18.41	36	21	740	0	10:15:03	16-Jun-2018
11	22.52	34.6	23	740	0	10:30:03	16-Jun-2018
12	8.28	34.5	22	740	0	10:45:03	16-Jun-2018
13	11.98	34.7	20	740	0	11:00:03	16-Jun-2018
14	12.61	35	18	740	0	11:15:03	16-Jun-2018
15	26.02	35	18	740	0	11:30:03	16-Jun-2018
16	18.81	34.8	18	738	0	11:45:03	16-Jun-2018
17	14.22	34.4	19	738	0	12:00:03	16-Jun-2018
18	47.3	34.3	19	738	0	12:15:03	16-Jun-2018
19	17.09	34.1	19	738	0	12:30:03	16-Jun-2018
20	16.11	34.4	18	738	0	12:45:03	16-Jun-2018
21	64.62	34.6	16	738	0	13:00:03	16-Jun-2018
22	5.15	34.8	16	738	0	13:15:03	16-Jun-2018
23	2.13	35	16	738	0	13:30:03	16-Jun-2018
24	2.55	35	15	738	0	13:45:03	16-Jun-2018
25	5.92	34.8	16	738	0	14:00:03	16-Jun-2018
26	6.29	34.5	16	738	0	14:15:03	16-Jun-2018
27	1.79	34.4	16	738	0	14:30:03	16-Jun-2018
28	2.23	34.5	16	738	0	14:45:03	16-Jun-2018
29	3.73	34.5	17	738	0	15:00:03	16-Jun-2018
30	2.39	34.6	17	738	0	15:15:03	16-Jun-2018
31	50.15	34.5	17	738	0	15:30:03	16-Jun-2018
32	20.37	34.3	17	738	0	15:45:03	16-Jun-2018
33	2.85	34.2	17	738	0	16:00:03	16-Jun-2018
34	2.07	34.2	17	738	0	16:15:03	16-Jun-2018
35	4.8	34.1	18	738	0	16:30:03	16-Jun-2018

DAILY OBSERVATION REPORT

Report No.:	12	Project File:	MN0832D	Date:	6/18/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Ashwin Ranna

Site Representative: Ashwin Ranna

Contractor: Recon

Arrive at Site: 0700 hrs. Leave Site: 1700 hrs.

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Sunny and clear	am	Sunny	pm
Temperature:	53° F	am	96° F	pm
Wind Direction:	4.6 SW	am	18.4 W mph	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☐	N/A ☒
	Vibration:	*Yes ☐	No ☐	N/A ☒
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☐	N/A ☒
Was there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☐	N/A ☒

WASTE HAULING :

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☐	N/A ☒

Materials Imported and Removed from Work Areas

Report No.: 12 Project File: MN0832D Date: 6/18/2018

Soil Removal:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported #2 Run of Crusher:

Total Loads today: 0 Total Loads to date:0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported Common Fill:

Total Loads today: 2 Total Loads to date: 53

Weight: 43.63 Tons Total Weight to date: 1162Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0700. Attended Recon safety meeting. Several new recon labor on site today. Carried out site orientation meeting.
- Calibrated and set up air monitors around MSA. Recon began to uncover the reuse piles and hi pile the material. Installation of the truck wash at the MSA and at the TSCA loading pad underway.
- Contacted Dom Insogna and reviewed working with the school to water patchy areas. He said that he would contact Mike Dunn and arrange for someone to water the mulch. Dom also requested that additional Cold patch be placed on the asphalt in the rear parking lot to better cover the cracks.
- John Geary and Pat Carr on site. Reviewed plan of action to collect additional samples and work around located utility lines. Recon said they would provide labor at the end of the day to collect the confirmation samples in the 0-2’ depth range.
- Scott Williams said he would be on site around noon and requested a review of the activities carried out on Saturday.
- Recon placed cold patch down on the rear parking lot. Water was sprayed on the MSA and road between TSCA loading pad and MSA to keep dust down.

PM

- DEC arrived on site at 1400. Scott reviewed the areas where the spoils had fallen and contacted Tim. He recommended that the material around the pile of spoils be over dug and disposed off as TSCA. He appeared satisfied with the cleanup done on top of the asphalt area.

Report No.:	12	Project File:	MN0832D	Date:	6/18/2018

- Recon began pulling up fence posts behind privacy screen that used to support EHS/STCC fence. As concrete base around fence was in TSCA uprooted posts were placed on poly sheets within the LOD.
- DEC inspected the MSA area and wanted to verify that air monitoring was being carried out at the site. Scott also requested that privacy screen to the south be re-secured as some zip ties had broken off.
- Seth Lovell from Hunt arrived on site at 1500. He had identified a coordinate issue between some of the maps and the excavation drawings. He believed that the difference was caused due to importing the coordinates in US feet as opposed to US survey Feet. This difference of about 2' approximately would affect the machine drawings for the excavation and needed to be corrected.
- Jason Plumley was on site and coordinated work plans for the rear parking lot with Recon. JG said that Recon had requested a preconstruction survey for the school on Thursday this week.
- Recon labor began winding down the work and covering the piles at around 1500. Liner material was spread on top of the high pile and the cover was weighed down with sandbags. Installing the cover continued till 1630.
- Dust monitors were collected, and data downloaded. No exceedances were recorded. Recon did not have means to cut through the asphalt in Rear parking lot. Samples collected on Saturday are currently stored on ice and will be shipped tomorrow. Recon will be providing a laborer to work throughout the day tomorrow to collect the samples in the 0-2' sample area.

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- John Geary
- Patrick Carr
- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- (Recon labor) X12
- Seth Lovell

Equipment and Materials:

- Dozer
- Excavator
- Trailer(X4)
- Generator
- Conex
- Roll off Bin
- GPS equipment for excavation
- Dozer
- Haul truck
- Heavy Dozer
- Water truck
- Adler Frac tanksX4
- Concrete blocks
- CAT excavators 4
- Truck washesX2
- Sand bags X 200

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Dom Insogna	EHS	NA
Scott Williams	DEC	NA
Jason Plumley	Welliver	NA

PROJECT SCHEDULE:

DAILY OBSERVATION REPORT

Report No.:	12	Project File:	MN0832D	Date:	6/18/2018

NTP Date: NA
Substantial Completion Date: NA
Completion Date: NA

ITEMS OF CONCERN:

Site Representative: Ashwin Ranna

Date: 6/18/2018

Name: (*signature*)



:

Report No.: 12 Project File: MN0832D Date: 6/18/2018

Photo Log

Date : 6/18/2018



Installing Truck wash in MSA



High piling reuse material in MSA



Installing truck wash near TSCA loading pad



Covered High Pile at end of day.

DAILY OBSERVATION REPORT

Report No.:	12	Project File:	MN0832D	Date:	6/18/2018

Site Map



Dust Monitoring Data

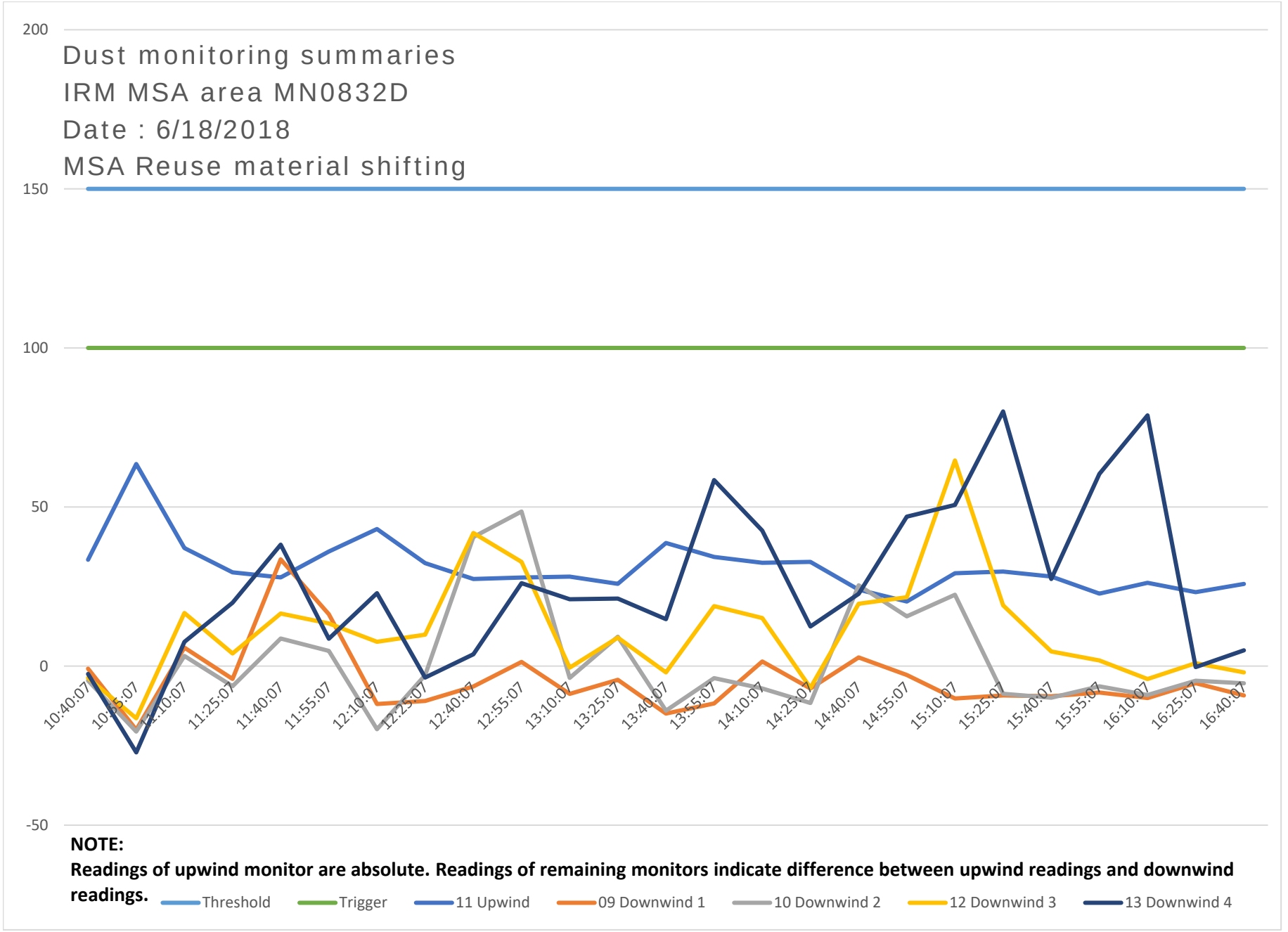
MSA 18 June 2018

IRM #2

Former Sperry Remington Site - North Portion

Beech and Bonaparate

11			10		12 Downwind		13 Downwind				
Upwind	09 Downwind 1	Difference	Downwind 2	Difference	3	Difference	4	Difference	Time	Threshold	Trigger
33.43	32.6	-0.83	28.88	-4.55	29.71	-3.72	30.96	-2.47	10:40:07	150	100
63.51	43.49	-20.02	42.92	-20.59	47.1	-16.41	36.38	-27.13	10:55:07	150	100
37.09	42.89	5.8	40.28	3.19	53.78	16.69	44.69	7.6	11:10:07	150	100
29.47	25.44	-4.03	23.15	-6.32	33.43	3.96	49.38	19.91	11:25:07	150	100
27.86	61.4	33.54	36.53	8.67	44.39	16.53	66.01	38.15	11:40:07	150	100
36.01	52.31	16.3	40.78	4.77	49.4	13.39	44.61	8.6	11:55:07	150	100
43.07	31.16	-11.91	23.24	-19.83	50.69	7.62	65.99	22.92	12:10:07	150	100
32.37	21.41	-10.96	29.52	-2.85	42.22	9.85	28.75	-3.62	12:25:07	150	100
27.38	20.98	-6.4	67.95	40.57	69.22	41.84	31.1	3.72	12:40:07	150	100
27.83	29.14	1.31	76.41	48.58	60.59	32.76	53.91	26.08	12:55:07	150	100
28.11	19.37	-8.74	24.39	-3.72	27.6	-0.51	49.12	21.01	13:10:07	150	100
25.87	21.55	-4.32	35.11	9.24	34.8	8.93	47.1	21.23	13:25:07	150	100
38.68	23.74	-14.94	24.66	-14.02	36.68	-2	53.43	14.75	13:40:07	150	100
34.29	22.55	-11.74	30.49	-3.8	53.14	18.85	92.75	58.46	13:55:07	150	100
32.45	33.89	1.44	25.4	-7.05	47.56	15.11	75.03	42.58	14:10:07	150	100
32.75	25.72	-7.03	21.15	-11.6	25.91	-6.84	45.21	12.46	14:25:07	150	100
24	26.72	2.72	49.38	25.38	43.58	19.58	46.69	22.69	14:40:07	150	100
20.29	17.5	-2.79	35.91	15.62	41.95	21.66	67.27	46.98	14:55:07	150	100
29.16	18.96	-10.2	51.58	22.42	93.78	64.62	79.81	50.65	15:10:07	150	100
29.7	20.46	-9.24	20.98	-8.72	48.81	19.11	109.74	80.04	15:25:07	150	100
28.15	18.66	-9.49	18.2	-9.95	32.75	4.6	55.51	27.36	15:40:07	150	100
22.77	14.47	-8.3	16.41	-6.36	24.53	1.76	83.19	60.42	15:55:07	150	100
26.18	16.12	-10.06	17.1	-9.08	22.11	-4.07	104.97	78.79	16:10:07	150	100
23.23	17.85	-5.38	18.64	-4.59	24.14	0.91	22.9	-0.33	16:25:07	150	100
25.8	16.58	-9.22	20.39	-5.41	23.81	-1.99	30.74	4.94	16:40:07	150	100


Dust monitoring summaries
IRM MSA area MN0832D
Date : 6/18/2018
MSA Reuse material shifting
200
150
100
50
0
-50
10:40:07
10:55:07
11:10:07
11:25:07
11:40:07
11:55:07
12:10:07
12:25:07
12:40:07
12:55:07
13:10:07
13:25:07
13:40:07
13:55:07
14:10:07
14:25:07
14:40:07
14:55:07
15:10:07
15:25:07
15:40:07
15:55:07
16:10:07
16:25:07
16:40:07
NOTE:
Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings.
Threshold
Trigger
11 Upwind
09 Downwind 1
10 Downwind 2
12 Downwind 3
13 Downwind 4

>"Model N	"PDR-150(	1.34						
Serial no.	"0115248912"							
Tag Numb	1							
Start Time	10:25:07							
Start Date	18-Jun-2018							
Log Period	00:15:00							
Number	25							
CalFactor	1							
Unit	0							
Unit Name	"ug/m3"							
TEMPUNIT	C							
RH CORRE	"ENABLED "							
Max Disp	477.8254							
Max Disp (	11:30:21	18-Jun-2018						
Max STEL	65.81922							
Max STEL (	11:41:27	18-Jun-2018						
Avg point	26.99713							
ALARM	"INSTANT "							
ALARM_LE	0.1							
Errors	0							
Inlet Type	"TOTAL "							
FlowRate	1.2							
Site Name	"Factory default"							

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	32.6	44.9	33	738	0	10:40:07	18-Jun-2018
2	43.49	44.7	29	738	0	10:55:07	18-Jun-2018
3	42.89	44.6	28	738	0	11:10:07	18-Jun-2018
4	25.44	44.7	28	738	0	11:25:07	18-Jun-2018
5	61.4	44.1	29	738	0	11:40:07	18-Jun-2018
6	52.31	43.9	29	738	0	11:55:07	18-Jun-2018
7	31.16	42.8	28	738	0	12:10:07	18-Jun-2018
8	21.41	41.1	34	738	0	12:25:07	18-Jun-2018
9	20.98	39.7	36	736	0	12:40:07	18-Jun-2018
10	29.14	39.4	36	736	0	12:55:07	18-Jun-2018
11	19.37	39.7	35	736	0	13:10:07	18-Jun-2018
12	21.55	40	35	736	0	13:25:07	18-Jun-2018
13	23.74	40	35	736	0	13:40:07	18-Jun-2018
14	22.55	40.2	35	736	0	13:55:07	18-Jun-2018
15	33.89	40.9	34	736	0	14:10:07	18-Jun-2018
16	25.72	41.5	33	736	0	14:25:07	18-Jun-2018
17	26.72	41.3	32	736	0	14:40:07	18-Jun-2018
18	17.5	40.8	32	736	0	14:55:07	18-Jun-2018
19	18.96	40.8	32	736	0	15:10:07	18-Jun-2018
20	20.46	41	32	736	0	15:25:07	18-Jun-2018
21	18.66	40.6	33	736	0	15:40:07	18-Jun-2018
22	14.47	39.9	35	736	0	15:55:07	18-Jun-2018
23	16.12	39.3	37	736	0	16:10:07	18-Jun-2018
24	17.85	38.8	39	736	0	16:25:07	18-Jun-2018
25	16.58	38.3	40	734	0	16:40:07	18-Jun-2018

>"Model N	"PDR-150	1.34
Serial no.	"0115248913"	
Tag Numb	1	
Start Time	10:24:14	
Start Date	18-Jun-2018	
Log Period	00:15:00	
Number	25	
CalFactor	1	
Unit	0	
Unit Name	"ug/m3"	
TEMPUNIT	C	
RH CORRE	"ENABLED "	
Max Disp	531.3088	
Max Disp (	12:39:15	18-Jun-2018
Max STEL	118.1355	
Max STEL (	12:51:54	18-Jun-2018
Avg point	32.77782	
ALARM	"INSTANT "	
ALARM_LE	0.1	
Errors	0	
Inlet Type	"TOTAL "	
FlowRate	1.2	
Site Name	"Factory default"	

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	28.88	44.3	28	738	0	10:39:14	18-Jun-2018
2	42.92	44.4	26	738	0	10:54:14	18-Jun-2018
3	40.28	44.4	26	738	0	11:09:14	18-Jun-2018
4	23.15	44.2	26	738	0	11:24:14	18-Jun-2018
5	36.53	43.3	27	738	0	11:39:14	18-Jun-2018
6	40.78	42.9	28	738	0	11:54:14	18-Jun-2018
7	23.24	41.7	28	738	0	12:09:14	18-Jun-2018
8	29.52	39.4	31	738	0	12:24:14	18-Jun-2018
9	67.95	37.8	33	736	0	12:39:14	18-Jun-2018
10	76.41	37.3	34	736	0	12:54:14	18-Jun-2018
11	24.39	37.6	32	736	0	13:09:14	18-Jun-2018
12	35.11	37.9	32	736	0	13:24:14	18-Jun-2018
13	24.66	38.1	32	736	0	13:39:14	18-Jun-2018
14	30.49	38.5	31	736	0	13:54:14	18-Jun-2018
15	25.4	39.3	30	736	0	14:09:14	18-Jun-2018
16	21.15	40	29	736	0	14:24:14	18-Jun-2018
17	49.38	39.9	29	736	0	14:39:14	18-Jun-2018
18	35.91	39.4	28	736	0	14:54:14	18-Jun-2018
19	51.58	39.6	28	736	0	15:09:14	18-Jun-2018
20	20.98	39.9	28	736	0	15:24:14	18-Jun-2018
21	18.2	39.7	29	736	0	15:39:14	18-Jun-2018
22	16.41	39	31	736	0	15:54:14	18-Jun-2018
23	17.1	38.3	33	736	0	16:09:14	18-Jun-2018
24	18.64	37.5	35	736	0	16:24:14	18-Jun-2018
25	20.39	36.9	36	736	0	16:39:14	18-Jun-2018

>"Model N	"PDR-150(	1.34
Serial no.	"0115249311"	
Tag Numb(	2	
Start Time	10:23:18	
Start Date	18-Jun-2018	
Log Period	00:15:00	
Number	25	
CalFactor	1	
Unit	0	
Unit Name	"ug/m3"	
TEMPUNIT	C	
RH CORRE(	"ENABLED "	
Max Disp	279.1518	
Max Disp (	13:36:59	18-Jun-2018
Max STEL	63.65183	
Max STEL (	10:53:58	18-Jun-2018
Avg point	31.17745	
ALARM	"INSTANT "	
ALARM_LE	0.1	
Errors	0	
Inlet Type	"TOTAL "	
FlowRate	1.2	
Site Name	"Factory default"	

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	33.43	33.4	34	740	0	10:38:18	18-Jun-2018
2	63.51	34.1	31	740	0	10:53:18	18-Jun-2018
3	37.09	34.4	29	740	0	11:08:18	18-Jun-2018
4	29.47	35.1	28	740	0	11:23:18	18-Jun-2018
5	27.86	35.4	26	740	0	11:38:18	18-Jun-2018
6	36.01	35.5	26	740	0	11:53:18	18-Jun-2018
7	43.07	36.3	23	740	0	12:08:18	18-Jun-2018
8	32.37	38.2	19	740	0	12:23:18	18-Jun-2018
9	27.38	39.5	16	740	0	12:38:18	18-Jun-2018
10	27.83	40	14	740	0	12:53:18	18-Jun-2018
11	28.11	40.8	13	740	0	13:08:18	18-Jun-2018
12	25.87	41	13	740	0	13:23:18	18-Jun-2018
13	38.68	41.2	13	738	0	13:38:18	18-Jun-2018
14	34.29	41.9	12	738	0	13:53:18	18-Jun-2018
15	32.45	42.1	12	738	0	14:08:18	18-Jun-2018
16	32.75	42.2	11	738	0	14:23:18	18-Jun-2018
17	24	41.7	11	738	0	14:38:18	18-Jun-2018
18	20.29	40.9	12	738	0	14:53:18	18-Jun-2018
19	29.16	40.4	12	738	0	15:08:18	18-Jun-2018
20	29.7	40.2	13	738	0	15:23:18	18-Jun-2018
21	28.15	39.5	14	738	0	15:38:18	18-Jun-2018
22	22.77	38.6	17	738	0	15:53:18	18-Jun-2018
23	26.18	38.1	19	738	0	16:08:18	18-Jun-2018
24	23.23	37.4	21	738	0	16:23:18	18-Jun-2018
25	25.8	36.9	22	738	0	16:38:18	18-Jun-2018

>"Model N	"PDR-150(	1.34
Serial no.	"CM15111014"	
Tag Numb(	3	
Start Time	10:22:23	
Start Date	18-Jun-2018	
Log Period	00:15:00	
Number	25	
CalFactor	1	
Unit	0	
Unit Name	"ug/m3"	
TEMPUNIT	C	
RH CORRE(	"ENABLED "	
Max Disp	283.561	
Max Disp (	14:59:29	18-Jun-2018
Max STEL	96.7812	
Max STEL (	12:43:23	18-Jun-2018
Avg point	42.4689	
ALARM	"INSTANT "	
ALARM_LE	0.1	
Errors	0	
Inlet Type	"TOTAL "	
FlowRate	1.2	
Site Name	"Factory default"	

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	29.71	26.7	59	738	1	10:37:23	18-Jun-2018
2	47.1	27.4	58	738	0	10:52:23	18-Jun-2018
3	53.78	28	55	738	0	11:07:23	18-Jun-2018
4	33.43	28.7	53	738	0	11:22:23	18-Jun-2018
5	44.39	29.3	51	738	0	11:37:23	18-Jun-2018
6	49.4	29.8	50	738	0	11:52:23	18-Jun-2018
7	50.69	30.4	47	738	0	12:07:23	18-Jun-2018
8	42.22	30.9	46	738	0	12:22:23	18-Jun-2018
9	69.22	31.4	44	738	0	12:37:23	18-Jun-2018
10	60.59	31.9	42	738	0	12:52:23	18-Jun-2018
11	27.6	32.4	41	738	0	13:07:23	18-Jun-2018
12	34.8	32.9	39	738	0	13:22:23	18-Jun-2018
13	36.68	33.5	38	738	0	13:37:23	18-Jun-2018
14	53.14	34.5	36	738	0	13:52:23	18-Jun-2018
15	47.56	35.4	35	738	0	14:07:23	18-Jun-2018
16	25.91	35.8	34	738	0	14:22:23	18-Jun-2018
17	43.58	35.5	34	738	0	14:37:23	18-Jun-2018
18	41.95	35.7	32	738	0	14:52:23	18-Jun-2018
19	93.78	36.6	31	738	0	15:07:23	18-Jun-2018
20	48.81	37.3	30	738	0	15:22:23	18-Jun-2018
21	32.75	36.1	32	738	0	15:37:23	18-Jun-2018
22	24.53	34.6	36	738	0	15:52:23	18-Jun-2018
23	22.11	33.8	39	738	0	16:07:23	18-Jun-2018
24	24.14	33.1	41	738	0	16:22:23	18-Jun-2018
25	23.81	32.7	42	736	0	16:37:23	18-Jun-2018

>"Model N	"PDR-150(	1.34
Serial no.	"0115250136"	
Tag Numb(	3	
Start Time	10:21:40	
Start Date	18-Jun-2018	
Log Period	00:15:00	
Number	25	
CalFactor	1	
Unit	0	
Unit Name	"ug/m3"	
TEMPUNIT	C	
RH CORRE(	"ENABLED "	
Max Disp	1011.057	
Max Disp (	16:02:51	18-Jun-2018
Max STEL	127.7552	
Max STEL (	15:26:10	18-Jun-2018
Avg point	56.61004	
ALARM	"INSTANT "	
ALARM_LE	0.1	
Errors	0	
Inlet Type	"TOTAL "	
FlowRate	1.2	
Site Name	"Factory default"	

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	30.96	32.3	58	738	1	10:36:40	18-Jun-2018
2	36.38	33	56	738	0	10:51:40	18-Jun-2018
3	44.69	33.5	54	738	0	11:06:40	18-Jun-2018
4	49.38	34.1	53	738	0	11:21:40	18-Jun-2018
5	66.01	34.5	50	738	0	11:36:40	18-Jun-2018
6	44.61	35	49	738	0	11:51:40	18-Jun-2018
7	65.99	35.7	46	738	0	12:06:40	18-Jun-2018
8	28.75	36	44	738	0	12:21:40	18-Jun-2018
9	31.1	36.4	43	736	0	12:36:40	18-Jun-2018
10	53.91	36.8	41	736	0	12:51:40	18-Jun-2018
11	49.12	37.1	40	736	0	13:06:40	18-Jun-2018
12	47.1	37.3	39	736	0	13:21:40	18-Jun-2018
13	53.43	37.6	39	736	0	13:36:40	18-Jun-2018
14	92.75	37.9	39	736	0	13:51:40	18-Jun-2018
15	75.03	38.1	39	736	0	14:06:40	18-Jun-2018
16	45.21	38.2	38	736	0	14:21:40	18-Jun-2018
17	46.69	38.4	37	736	0	14:36:40	18-Jun-2018
18	67.27	38.5	36	736	0	14:51:40	18-Jun-2018
19	79.81	38.8	34	736	0	15:06:40	18-Jun-2018
20	109.74	39	35	736	0	15:21:40	18-Jun-2018
21	55.51	38.5	36	736	0	15:36:40	18-Jun-2018
22	83.19	37.6	40	736	0	15:51:40	18-Jun-2018
23	104.97	37.2	42	736	0	16:06:40	18-Jun-2018
24	22.9	36.7	44	736	0	16:21:40	18-Jun-2018
25	30.74	36.5	44	734	0	16:36:40	18-Jun-2018

DAILY OBSERVATION REPORT

Report No.:	13	Project File:	MN0832D	Date:	6/19/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Ashwin Ranna

Site Representative: Ashwin Ranna

Contractor: Recon

Arrive at Site: 0700 hrs. Leave Site: 1700 hrs.

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Partly Sunny	am	Sunny	pm
Temperature:	64° F	am	75° F	pm
Wind Direction:	8.1 NNE	am	18.4 NNE mph	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☐	N/A ☒
	Vibration:	*Yes ☐	No ☐	N/A ☒
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☐	N/A ☒
Was there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☐	N/A ☒

WASTE HAULING :

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☐	N/A ☒

Materials Imported and Removed from Work Areas

Report No.: 13 Project File: MN0832D Date: 6/19/2018

Soil Removal:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported #2 Run of Crusher:

Total Loads today: 0 Total Loads to date:0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported Common Fill:

Total Loads today: 2 Total Loads to date: 55

Weight: 43.63 Tons Total Weight to date: 1162Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0700. Attended Recon safety meeting. Reviewed housekeeping and situational awareness.
- Calibrated and set up air monitors around MSA. Recon began to uncover the reuse piles and hi pile the material. Installation of the truck wash at the MSA and at the TSCA loading pad continues. Recon continued removing fence posts between STCC and EHS and worked on completing the Sump for the TSCA loading pad.
- AR observed that the material covering the air knifed hole in the RPL had settled during the rain yesterday. AR contacted Brian Kilkenny and advised him to refill the hole to avoid traffic issues in the RPL.
- Headed to the Rear parking lot to collect confirmatory samples. Met with Dom Insogna during setup. He said the school could provide a hose for watering the patchy areas but could not at present provide labor to spray the grass.
- Geosyntec set up and started collecting confirmatory samples from the 0-2 depth. 2 Recon laborers assisted with digging asphalt and driving the hand auger. Samples collected were stored on ice and shipped at end of day.
- Multiple site coordination meetings were held with Recon Geosyntec and other agencies. Site work plans were reviewed.
- John Geary mentioned that Recon plans to do the pre-construction inspection of the school building at 1600 on Thursday and that the school plans to provide access to the rear parking lot on Friday. Recon reiterated that they plan to work through the weekend.

Report No.:	13	Project File:	MN0832D	Date:	6/19/2018

PM

- 0-2 sampling continued through the evening. Recon continued to shift material in the MSA and installed the straw wattle around the perimeter of the MSA. Excavated material from installing the sump tanks was stored on plastic and under plastic in the MSA. Approximately 70% of the approved reuse material has been shifted to the high pile.
- All samples were collected by 1500. Recon backfilled the holes with item 4 and sealed it with cold patch.
- Recon began covering the MSA stockpile at 1530. Site was shut down Dust monitors were collected, and data downloaded at 1630.
- AR requested that Recon mark out the remaining 0-2 samples in the Rear parking lot and will attempt to collect the samples over the next few days. Collected samples were shipped at 1745.

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- John Geary
- Patrick Carr
- Tom Tanner
- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- (Recon labor) X12

Equipment and Materials:

- Dozer
- Excavator
- Trailer(X4)
- Generator X2
- Conex
- Roll off Bin
- GPS equipment for excavation
- Haul truckX2
- Heavy Dozer
- Water truck
- Adler Frac tanksX4
- Concrete blocks
- CAT excavators 4
- Truck washesX2
- Sand bags X 200

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Dom Insogna	ECSD	NA

PROJECT SCHEDULE:

NTP Date: NA
Substantial Completion Date: NA
Completion Date: NA

ITEMS OF CONCERN:

Site Representative: Ashwin Ranna

Date: 6/19/2018

Report No.:	13	Project File:	MN0832D	Date:	6/19/2018

Name: (*signature*)



:

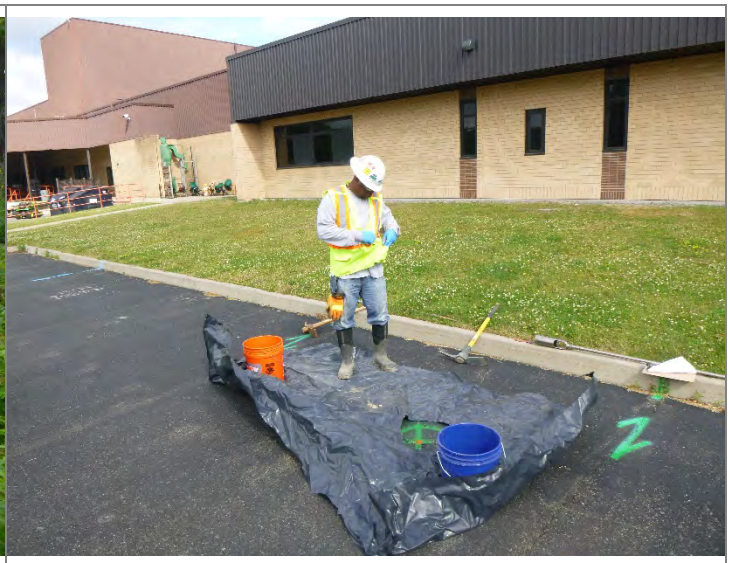
Report No.: 13 Project File: MN0832D Date: 6/19/2018

Photo Log

Date : 6/19/2018



Removed poles for STCC/EHS fence.



Hand augering for confirmatory samples



Truck wash sump excavated material and shifting MSA material



Covered Pile at end of day.

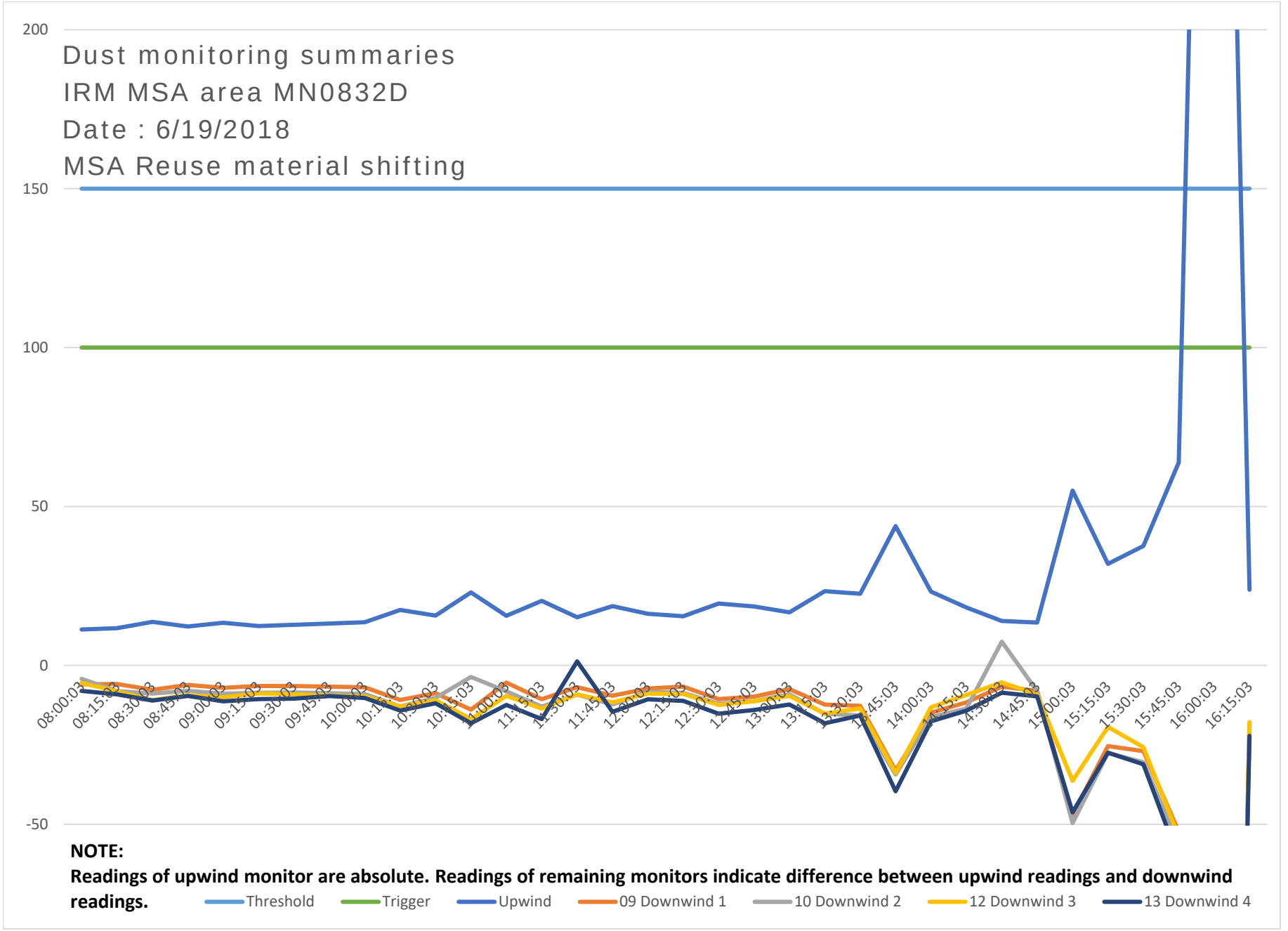
Site Map

Report No.: 13 Project File: MN0832D Date: 6/19/2018



Dust Monitoring Data
MSA 19 June 2018
IRM #2
Former Sperry Remington Site - North Portion

11 Upwind	09 Downwind 1	Difference	10 Downwind 2	Difference	12 Downwind 3	Difference	13 Downwind 4	Difference	Time	Threshold	Trigger
11.3	5.34	-5.96	7.07	-4.23	5.74	-5.56	3.28	-8.02	08:00:03	150	100
11.73	5.88	-5.85	3.65	-8.08	3.61	-8.12	2.61	-9.12	08:15:03	150	100
13.68	6.01	-7.67	4.82	-8.86	2.77	-10.91	2.61	-11.07	08:30:03	150	100
12.24	6.11	-6.13	4.24	-8	2.87	-9.37	2.62	-9.62	08:45:03	150	100
13.41	6.33	-7.08	4.5	-8.91	3.39	-10.02	2.09	-11.32	09:00:03	150	100
12.4	5.93	-6.47	3.78	-8.62	3.61	-8.79	1.8	-10.6	09:15:03	150	100
12.79	6.29	-6.5	4.27	-8.52	3.72	-9.07	2.32	-10.47	09:30:03	150	100
13.18	6.5	-6.68	4.47	-8.71	3.71	-9.47	3.55	-9.63	09:45:03	150	100
13.6	6.71	-6.89	4.59	-9.01	3.89	-9.71	3.36	-10.24	10:00:03	150	100
17.45	6.56	-10.89	4.54	-12.91	4.51	-12.94	3.24	-14.21	10:15:03	150	100
15.66	6.95	-8.71	5.44	-10.22	4.75	-10.91	3.74	-11.92	10:30:03	150	100
22.96	9.05	-13.91	19.34	-3.62	6.06	-16.9	4.75	-18.21	10:45:03	150	100
15.61	10.2	-5.41	7.44	-8.17	6.03	-9.58	3.17	-12.44	11:00:03	150	100
20.3	9.67	-10.63	7.33	-12.97	6.74	-13.56	3.41	-16.89	11:15:03	150	100
15.16	8.3	-6.86	5.99	-9.17	6.05	-9.11	16.43	1.27	11:30:03	150	100
18.65	9.11	-9.54	6.34	-12.31	7.04	-11.61	4.05	-14.6	11:45:03	150	100
16.25	8.99	-7.26	7.99	-8.26	7.37	-8.88	5.59	-10.66	12:00:03	150	100
15.47	8.8	-6.67	6.83	-8.64	6.5	-8.97	4.31	-11.16	12:15:03	150	100
19.46	8.86	-10.6	7.41	-12.05	7.01	-12.45	4.26	-15.2	12:30:03	150	100
18.53	8.69	-9.84	7.3	-11.23	7.27	-11.26	4.49	-14.04	12:45:03	150	100
16.69	9.25	-7.44	7.61	-9.08	7.08	-9.61	4.38	-12.31	13:00:03	150	100
23.34	11.01	-12.33	8.09	-15.25	8.18	-15.16	5.13	-18.21	13:15:03	150	100
22.55	9.81	-12.74	6.8	-15.75	9.02	-13.53	6.79	-15.76	13:30:03	150	100
43.83	10.74	-33.09	9.51	-34.32	10.01	-33.82	4.23	-39.6	13:45:03	150	100
23.22	8.34	-14.88	6.91	-16.31	10.03	-13.19	5.62	-17.6	14:00:03	150	100
18.24	6.61	-11.63	4.66	-13.58	8.95	-9.29	4	-14.24	14:15:03	150	100
13.98	7.31	-6.67	21.44	7.46	8.65	-5.33	5.4	-8.58	14:30:03	150	100
13.47	5.42	-8.05	5.33	-8.14	4.3	-9.17	3.72	-9.75	14:45:03	150	100
54.99	7.95	-47.04	5.39	-49.6	18.67	-36.32	8.76	-46.23	15:00:03	150	100
31.93	6.54	-25.39	4.39	-27.54	12.57	-19.36	4.46	-27.47	15:15:03	150	100
37.57	10.61	-26.96	7.1	-30.47	11.82	-25.75	6.44	-31.13	15:30:03	150	100
63.84	11.54	-52.3	7.46	-56.38	9.97	-53.87	2.93	-60.91	15:45:03	150	100
528.38	11.59	-516.79	9.64	-518.74	10.31	-518.07	8.55	-519.83	16:00:03	150	100
23.81	5.37	-18.44	5.18	-18.63	5.96	-17.85	1.63	-22.18	16:15:03	150	100


Dust monitoring summaries
IRM MSA area MN0832D
Date : 6/19/2018
MSA Reuse material shifting
200
150
100
50
0
-50
08:00:03
08:15:03
08:30:03
08:45:03
09:00:03
09:15:03
09:30:03
09:45:03
10:00:03
10:15:03
10:30:03
10:45:03
11:00:03
11:15:03
11:30:03
11:45:03
12:00:03
12:15:03
12:30:03
12:45:03
13:00:03
13:15:03
13:30:03
13:45:03
14:00:03
14:15:03
14:30:03
14:45:03
15:00:03
15:15:03
15:30:03
15:45:03
16:00:03
16:15:03
NOTE:
Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings.
Threshold
Trigger
Upwind
09 Downwind 1
10 Downwind 2
12 Downwind 3
13 Downwind 4

>"Model N	"PDR-150(	1.34
Serial no.	"0115248912"	
Tag Numbe	2	
Start Time	07:45:03	
Start Date	19-Jun-2018	
Log Period	00:15:00	
Number	34	
CalFactor	1	
Unit	0	
Unit Name	"ug/m3"	
TEMPUNIT	C	
RH CORREC	"ENABLED "	
Max Disp	96.95608	
Max Disp @	15:54:21	19-Jun-2018
Max STEL	13.2122	
Max STEL @	15:35:13	19-Jun-2018
Avg point	8.010219	
ALARM	"INSTANT "	
ALARM_LE	0.1	
Errors	0	
Inlet Type	"TOTAL "	
FlowRate	1.2	
Site Name	"Factory default"	

record	"ug/m3"	Temp	RHumidity	AtmoPress	Flags		
1	5.34	22.4	51	736	1	08:00:03	19-Jun-2018
2	5.88	21.4	58	736	0	08:15:03	19-Jun-2018
3	6.01	21	61	736	0	08:30:03	19-Jun-2018
4	6.11	20.7	62	736	0	08:45:03	19-Jun-2018
5	6.33	20.6	63	736	0	09:00:03	19-Jun-2018
6	5.93	20.7	63	736	0	09:15:03	19-Jun-2018
7	6.29	20.7	62	736	0	09:30:03	19-Jun-2018
8	6.5	21	62	736	0	09:45:03	19-Jun-2018
9	6.71	21.5	60	736	0	10:00:03	19-Jun-2018
10	6.56	21.9	59	736	0	10:15:03	19-Jun-2018
11	6.95	22.5	57	736	0	10:30:03	19-Jun-2018
12	9.05	22.7	53	738	0	10:45:03	19-Jun-2018
13	10.2	22.5	51	736	0	11:00:03	19-Jun-2018
14	9.67	22.4	51	736	0	11:15:03	19-Jun-2018
15	8.3	22.7	52	736	0	11:30:03	19-Jun-2018
16	9.11	23.1	53	736	0	11:45:03	19-Jun-2018
17	8.99	23.5	52	736	0	12:00:03	19-Jun-2018
18	8.8	24	51	736	0	12:15:03	19-Jun-2018
19	8.86	24.6	50	736	0	12:30:03	19-Jun-2018
20	8.69	25.1	49	736	0	12:45:03	19-Jun-2018
21	9.25	25.3	48	736	0	13:00:03	19-Jun-2018
22	11.01	25.3	46	736	0	13:15:03	19-Jun-2018
23	9.81	25.3	45	736	0	13:30:03	19-Jun-2018
24	10.74	25.3	43	736	0	13:45:03	19-Jun-2018
25	8.34	25.3	43	736	0	14:00:03	19-Jun-2018
26	6.61	25.7	41	736	0	14:15:03	19-Jun-2018
27	7.31	25.9	40	736	0	14:30:03	19-Jun-2018
28	5.42	25.9	39	736	0	14:45:03	19-Jun-2018
29	7.95	26.1	39	736	0	15:00:03	19-Jun-2018
30	6.54	26.3	38	736	0	15:15:03	19-Jun-2018
31	10.61	26.7	38	736	0	15:30:03	19-Jun-2018
32	11.54	26.9	38	736	0	15:45:03	19-Jun-2018
33	11.59	27.1	38	736	0	16:00:03	19-Jun-2018
34	5.37	27.2	33	736	0	16:15:03	19-Jun-2018

>"Model N	"PDR-150(1.34
Serial no.	"0115248913"
Tag Numbe	2
Start Time	07:45:03
Start Date	19-Jun-2018
Log Period	00:15:00
Number	34
CalFactor	1
Unit	0
Unit Name	"ug/m3"
TEMPUNIT	C
RH CORREC	"ENABLED "
Max Disp	433.9524
Max Disp @	07:45:08 19-Jun-2018
Max STEL	21.526
Max STEL @	14:28:43 19-Jun-2018
Avg point	6.966555
ALARM	"INSTANT "
ALARM_LE	0.1
Errors	0
Inlet Type	"TOTAL "
FlowRate	1.2
Site Name	"Factory default"

record	"ug/m3"	Temp	RHumidity	AtmoPress	Flags		
1	7.07	21.4	61	738	1	08:00:03	19-Jun-2018
2	3.65	20.5	65	738	0	08:15:03	19-Jun-2018
3	4.82	20.2	67	738	0	08:30:03	19-Jun-2018
4	4.24	19.8	67	738	0	08:45:03	19-Jun-2018
5	4.5	19.7	68	738	0	09:00:03	19-Jun-2018
6	3.78	19.8	67	738	0	09:15:03	19-Jun-2018
7	4.27	19.9	66	738	0	09:30:03	19-Jun-2018
8	4.47	20.2	64	738	0	09:45:03	19-Jun-2018
9	4.59	20.7	62	738	0	10:00:03	19-Jun-2018
10	4.54	21	61	738	0	10:15:03	19-Jun-2018
11	5.44	21.4	59	738	0	10:30:03	19-Jun-2018
12	19.34	21.6	56	738	0	10:45:03	19-Jun-2018
13	7.44	21.5	54	738	0	11:00:03	19-Jun-2018
14	7.33	21.4	56	738	0	11:15:03	19-Jun-2018
15	5.99	21.6	56	738	0	11:30:03	19-Jun-2018
16	6.34	22	57	738	0	11:45:03	19-Jun-2018
17	7.99	22.3	55	738	0	12:00:03	19-Jun-2018
18	6.83	22.5	55	738	0	12:15:03	19-Jun-2018
19	7.41	22.9	54	738	0	12:30:03	19-Jun-2018
20	7.3	23.3	53	738	0	12:45:03	19-Jun-2018
21	7.61	23.6	52	738	0	13:00:03	19-Jun-2018
22	8.09	23.9	50	738	0	13:15:03	19-Jun-2018
23	6.8	24.8	46	738	0	13:30:03	19-Jun-2018
24	9.51	27	41	738	0	13:45:03	19-Jun-2018
25	6.91	29	35	738	0	14:00:03	19-Jun-2018
26	4.66	30.6	32	738	0	14:15:03	19-Jun-2018
27	21.44	31.9	29	738	0	14:30:03	19-Jun-2018
28	5.33	33	27	738	0	14:45:03	19-Jun-2018
29	5.39	34	26	738	0	15:00:03	19-Jun-2018
30	4.39	34.6	25	738	0	15:15:03	19-Jun-2018
31	7.1	35.5	25	738	0	15:30:03	19-Jun-2018
32	7.46	36.1	24	738	0	15:45:03	19-Jun-2018
33	9.64	36.5	22	738	0	16:00:03	19-Jun-2018
34	5.18	37.1	19	738	0	16:15:03	19-Jun-2018

>"Model N	"PDR-150(	1.34
Serial no.	"0115249311"	
Tag Numbe	3	
Start Time	07:45:03	
Start Date	19-Jun-2018	
Log Period	00:15:00	
Number	34	
CalFactor	1	
Unit	0	
Unit Name	"ug/m3"	
TEMPUNIT	C	
RH CORREC	"ENABLED "	
Max Disp	3130.439	
Max Disp @	15:59:14	19-Jun-2018
Max STEL	543.7523	
Max STEL @	15:59:23	19-Jun-2018
Avg point	36.04888	
ALARM	"INSTANT "	
ALARM_LE	0.1	
Errors	0	
Inlet Type	"TOTAL "	
FlowRate	1.2	
Site Name	"Factory default"	

record	"ug/m3"	Temp	RHumidity	AtmoPress	Flags		
1	11.3	20.2	50	738	1	08:00:03	19-Jun-2018
2	11.73	18.7	55	740	0	08:15:03	19-Jun-2018
3	13.68	18.5	56	740	0	08:30:03	19-Jun-2018
4	12.24	18.5	55	740	0	08:45:03	19-Jun-2018
5	13.41	18.6	55	740	0	09:00:03	19-Jun-2018
6	12.4	18.8	53	740	0	09:15:03	19-Jun-2018
7	12.79	18.6	52	740	0	09:30:03	19-Jun-2018
8	13.18	19.1	51	740	0	09:45:03	19-Jun-2018
9	13.6	19.6	49	740	0	10:00:03	19-Jun-2018
10	17.45	20	48	740	0	10:15:03	19-Jun-2018
11	15.66	20.5	45	740	0	10:30:03	19-Jun-2018
12	22.96	20.8	41	740	0	10:45:03	19-Jun-2018
13	15.61	20.5	41	740	0	11:00:03	19-Jun-2018
14	20.3	20.6	42	740	0	11:15:03	19-Jun-2018
15	15.16	21.1	41	740	0	11:30:03	19-Jun-2018
16	18.65	21.9	40	740	0	11:45:03	19-Jun-2018
17	16.25	22.5	39	740	0	12:00:03	19-Jun-2018
18	15.47	22.9	38	740	0	12:15:03	19-Jun-2018
19	19.46	23.3	37	740	0	12:30:03	19-Jun-2018
20	18.53	23.6	36	740	0	12:45:03	19-Jun-2018
21	16.69	24.1	34	740	0	13:00:03	19-Jun-2018
22	23.34	24.1	33	740	0	13:15:03	19-Jun-2018
23	22.55	24.5	31	740	0	13:30:03	19-Jun-2018
24	43.83	24.6	29	740	0	13:45:03	19-Jun-2018
25	23.22	24.8	29	740	0	14:00:03	19-Jun-2018
26	18.24	24.9	27	740	0	14:15:03	19-Jun-2018
27	13.98	25	26	740	0	14:30:03	19-Jun-2018
28	13.47	25	25	740	0	14:45:03	19-Jun-2018
29	54.99	24.9	26	740	0	15:00:03	19-Jun-2018
30	31.93	25.1	25	740	0	15:15:03	19-Jun-2018
31	37.57	25.3	26	740	0	15:30:03	19-Jun-2018
32	63.84	25.8	25	740	0	15:45:03	19-Jun-2018
33	528.38	26.3	21	740	0	16:00:03	19-Jun-2018
34	23.81	26.6	14	740	0	16:15:03	19-Jun-2018

>"Model N	"PDR-150(	1.34
Serial no.	"CM15111014"	
Tag Numbe	4	
Start Time	07:45:03	
Start Date	19-Jun-2018	
Log Period	00:15:00	
Number	34	
CalFactor	1	
Unit	0	
Unit Name	"ug/m3"	
TEMPUNIT	C	
RH CORREC	"ENABLED "	
Max Disp	130.367	
Max Disp @	14:48:56	19-Jun-2018
Max STEL	21.26719	
Max STEL @	15:01:13	19-Jun-2018
Avg point	7.004495	
ALARM	"INSTANT "	
ALARM_LE	0.1	
Errors	0	
Inlet Type	"TOTAL "	
FlowRate	1.2	
Site Name	"Factory default"	

record	"ug/m3"	Temp	RHumidity	AtmoPress	Flags		
1	5.74	18.7	64	738	1	08:00:03	19-Jun-2018
2	3.61	17.2	71	738	1	08:15:03	19-Jun-2018
3	2.77	16.7	73	738	1	08:30:03	19-Jun-2018
4	2.87	16.6	73	738	1	08:45:03	19-Jun-2018
5	3.39	16.6	73	738	1	09:00:03	19-Jun-2018
6	3.61	16.8	71	738	1	09:15:03	19-Jun-2018
7	3.72	16.7	70	738	1	09:30:03	19-Jun-2018
8	3.71	17.2	70	738	1	09:45:03	19-Jun-2018
9	3.89	17.9	67	740	1	10:00:03	19-Jun-2018
10	4.51	18.4	65	740	1	10:15:03	19-Jun-2018
11	4.75	18.9	63	740	1	10:30:03	19-Jun-2018
12	6.06	19	60	740	1	10:45:03	19-Jun-2018
13	6.03	18.8	59	740	1	11:00:03	19-Jun-2018
14	6.74	18.7	61	740	1	11:15:03	19-Jun-2018
15	6.05	19.1	60	740	1	11:30:03	19-Jun-2018
16	7.04	20.1	59	740	1	11:45:03	19-Jun-2018
17	7.37	21.1	56	738	1	12:00:03	19-Jun-2018
18	6.5	21.6	55	738	0	12:15:03	19-Jun-2018
19	7.01	22.5	53	738	0	12:30:03	19-Jun-2018
20	7.27	23	52	738	0	12:45:03	19-Jun-2018
21	7.08	23.6	50	738	0	13:00:03	19-Jun-2018
22	8.18	23.7	48	738	0	13:15:03	19-Jun-2018
23	9.02	24	47	738	0	13:30:03	19-Jun-2018
24	10.01	24.3	45	738	0	13:45:03	19-Jun-2018
25	10.03	24.5	45	738	0	14:00:03	19-Jun-2018
26	8.95	24.9	42	738	0	14:15:03	19-Jun-2018
27	8.65	25.4	41	738	1	14:30:03	19-Jun-2018
28	4.3	25.9	38	738	0	14:45:03	19-Jun-2018
29	18.67	26.2	38	738	0	15:00:03	19-Jun-2018
30	12.57	26.4	37	738	0	15:15:03	19-Jun-2018
31	11.82	26.6	38	738	0	15:30:03	19-Jun-2018
32	9.97	26.9	37	738	0	15:45:03	19-Jun-2018
33	10.31	27.1	35	738	0	16:00:03	19-Jun-2018
34	5.96	27.3	31	738	0	16:15:03	19-Jun-2018

>"Model N	"PDR-150(	1.34
Serial no.	"0115250136"	
Tag Numbe	4	
Start Time	07:45:03	
Start Date	19-Jun-2018	
Log Period	00:15:00	
Number	34	
CalFactor	1	
Unit	0	
Unit Name	"ug/m3"	
TEMPUNIT	C	
RH CORREC	"ENABLED "	
Max Disp	199.487	
Max Disp @	11:20:59	19-Jun-2018
Max STEL	16.74211	
Max STEL @	11:34:53	19-Jun-2018
Avg point	4.520961	
ALARM	"INSTANT "	
ALARM_LE	0.1	
Errors	0	
Inlet Type	"TOTAL "	
FlowRate	1.2	
Site Name	"Factory default"	

record	"ug/m3"	Temp	RHumidity	AtmoPress	Flags		
1	3.28	23.5	63	736	1	08:00:03	19-Jun-2018
2	2.61	22.2	68	736	0	08:15:03	19-Jun-2018
3	2.61	22	69	736	0	08:30:03	19-Jun-2018
4	2.62	22	68	738	0	08:45:03	19-Jun-2018
5	2.09	21.9	67	738	0	09:00:03	19-Jun-2018
6	1.8	22	66	738	0	09:15:03	19-Jun-2018
7	2.32	22	65	738	0	09:30:03	19-Jun-2018
8	3.55	22.6	65	738	0	09:45:03	19-Jun-2018
9	3.36	23.3	62	738	0	10:00:03	19-Jun-2018
10	3.24	23.7	60	738	0	10:15:03	19-Jun-2018
11	3.74	24.2	58	738	0	10:30:03	19-Jun-2018
12	4.75	24.5	55	738	0	10:45:03	19-Jun-2018
13	3.17	24.3	54	738	0	11:00:03	19-Jun-2018
14	3.41	24.2	55	738	0	11:15:03	19-Jun-2018
15	16.43	24.4	56	738	0	11:30:03	19-Jun-2018
16	4.05	24.9	55	738	0	11:45:03	19-Jun-2018
17	5.59	25.6	54	738	0	12:00:03	19-Jun-2018
18	4.31	26.1	53	738	0	12:15:03	19-Jun-2018
19	4.26	26.6	52	738	0	12:30:03	19-Jun-2018
20	4.49	26.9	51	738	0	12:45:03	19-Jun-2018
21	4.38	27	50	738	0	13:00:03	19-Jun-2018
22	5.13	27	49	738	0	13:15:03	19-Jun-2018
23	6.79	27.2	48	738	0	13:30:03	19-Jun-2018
24	4.23	27.2	46	738	0	13:45:03	19-Jun-2018
25	5.62	27.5	46	738	0	14:00:03	19-Jun-2018
26	4	27.5	44	738	0	14:15:03	19-Jun-2018
27	5.4	27.6	43	736	0	14:30:03	19-Jun-2018
28	3.72	27.8	42	736	0	14:45:03	19-Jun-2018
29	8.76	28.1	42	738	0	15:00:03	19-Jun-2018
30	4.46	28.1	41	736	0	15:15:03	19-Jun-2018
31	6.44	28.4	42	736	0	15:30:03	19-Jun-2018
32	2.93	28.8	41	736	0	15:45:03	19-Jun-2018
33	8.55	29.1	38	736	0	16:00:03	19-Jun-2018
34	1.63	29.1	33	736	0	16:15:03	19-Jun-2018

DAILY OBSERVATION REPORT

Report No.:	14	Project File:	MN0832D	Date:	6/20/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Ashwin Ranna

Site Representative: Ashwin Ranna

Contractor: Recon

Arrive at Site: 0700 hrs. Leave Site: 1700 hrs.

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Partly Sunny	am	Light rain	pm
Temperature:	57° F	am	71° F	pm
Wind Direction:	Calm	am	3.4 WSW mph	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☐	N/A ☒
	Vibration:	*Yes ☐	No ☐	N/A ☒
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☐	N/A ☒
Was there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☐	N/A ☒

WASTE HAULING :

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☐	N/A ☒

Materials Imported and Removed from Work Areas

Report No.:	14	Project File:	MN0832D	Date:	6/20/2018

Soil Removal:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported #2 Run of Crusher:

Total Loads today: 0 Total Loads to date:0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported Common Fill:

Total Loads today: 11 Total Loads to date: 66

Weight: 234.78 Tons Total Weight to date: 1397Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0700. Attended Recon safety meeting. Muster points and alarms.
- Calibrated and set up air monitors around MSA. Recon began to uncover the reuse piles and hi pile the material. Installation of the automatic truck wash at the MSA and at the TSCA loading pad continued. Recon put up signs and worked on setting up the GPS for the excavators. Recon also attached and tested a hammer to install the sheet piling.
- Cribbing wood was placed on the ground in STCC to accommodate sheet piling.
- EHS had installed a hose and sprinkler system to water the patchy areas of the old haul road. Grass was kept watered throughout the day.
- Recon continued planning for phase 1 excavation activities through the day.

PM

- Approximately 99% of the approved reuse material has been shifted to the high pile. Material shifting continued throughout the day.
- Power supply was provided to the MSA offices and truck wash.
- Recon began covering the MSA stockpile at 1530. Site was shut down Dust monitors were collected, and data downloaded at 1630.

DAILY OBSERVATION REPORT

Report No.: 14 Project File: MN0832D Date: 6/20/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- John Geary
- Patrick Carr
- Tom Tanner
- Bill
- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Rich Tonnacour
- (Recon labor) X12

Equipment and Materials:

- Dozer
- Excavator
- Trailer(X4)
- Generator X2
- Conex
- Roll off Bin
- GPS equipment for excavation
- Haul truckX2
- Heavy Dozer
- Water truck
- Adler Frac tanksX4
- Concrete blocks
- CAT excavators 4
- Truck washesX2
- Sand bags X 200

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone

PROJECT SCHEDULE:

NTP Date: NA
Substantial Completion Date: NA
Completion Date: NA

ITEMS OF CONCERN:

Site Representative: Ashwin Ranna Date: 6/20/2018

Name: (*signature*)



:

Report No.:	14	Project File:	MN0832D	Date:	6/20/2018

Photo Log

Date : 6/20/2018

	
Installing hammer on excavator	Truck wash installation at TSCA loading pad.
	
Completed shifting reuse material to Hi Pile	Covered Hi pile at end of day

DAILY OBSERVATION REPORT

Report No.:	14	Project File:	MN0832D	Date:	6/20/2018

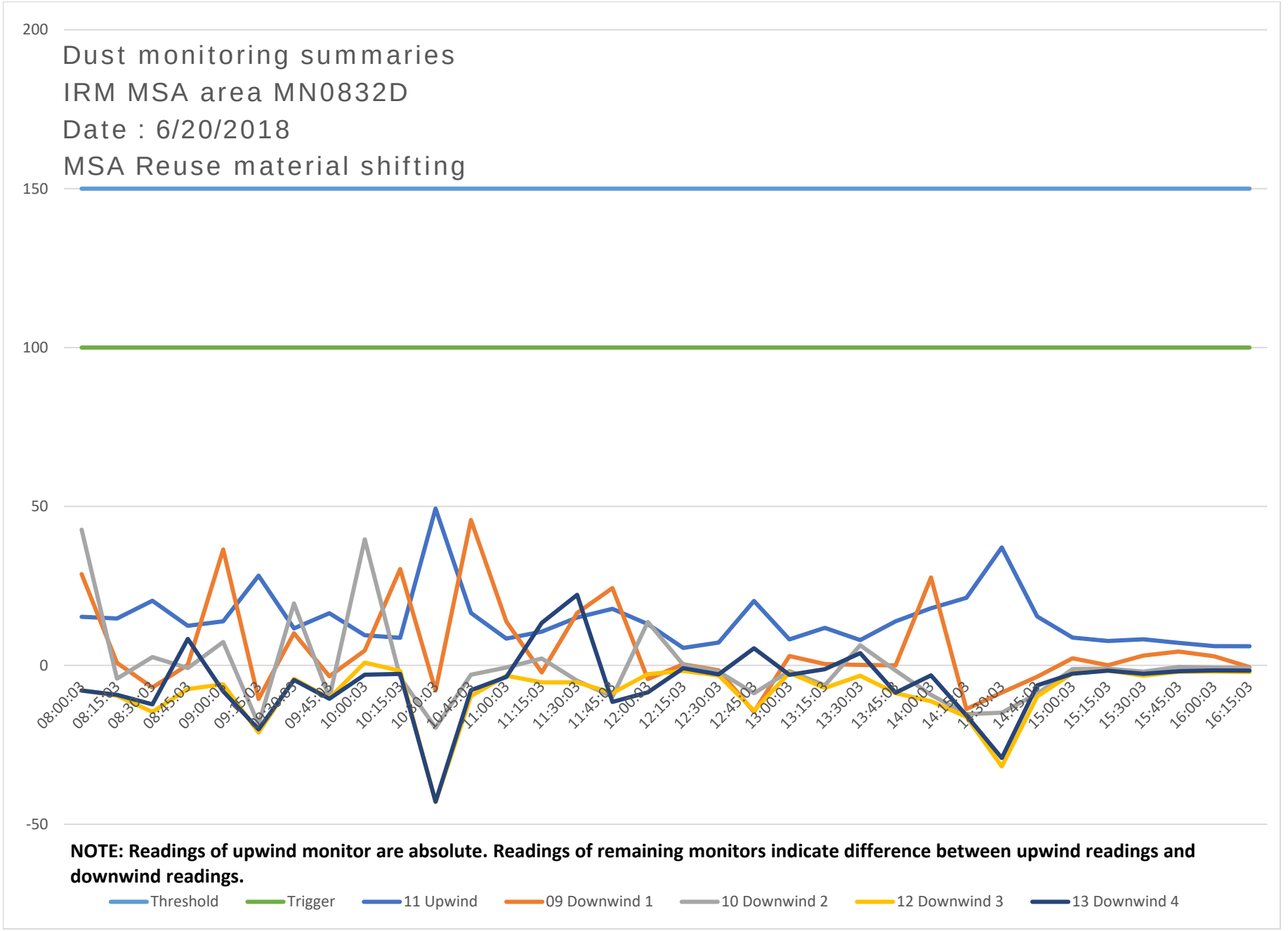
Site Map



Dust Monitoring Data
MSA 20 June 2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

11	09 Downwind		10		12 Downwind		13 Downwind				
Upwind	1	Difference	Downwind 2	Difference	3	Difference	4	Difference	Time	Threshold	Trigger
15.27	43.97	28.7	57.97	42.7	7.4	-7.87	7.35	-7.92	08:00:03	150	100
14.73	15.51	0.78	10.54	-4.19	5.18	-9.55	5.47	-9.26	08:15:03	150	100
20.33	13.37	-6.96	22.96	2.63	5.7	-14.63	8.07	-12.26	08:30:03	150	100
12.43	12.59	0.16	11.59	-0.84	4.96	-7.47	20.74	8.31	08:45:03	150	100
13.86	50.34	36.48	21.23	7.37	7.9	-5.96	5.68	-8.18	09:00:03	150	100
28.21	17.63	-10.58	9.64	-18.57	7.04	-21.17	8.09	-20.12	09:15:03	150	100
11.65	21.78	10.13	31.12	19.47	7.4	-4.25	7.06	-4.59	09:30:03	150	100
16.4	12.96	-3.44	6.25	-10.15	6.11	-10.29	5.91	-10.49	09:45:03	150	100
9.47	14.13	4.66	49.12	39.65	10.34	0.87	6.53	-2.94	10:00:03	150	100
8.66	38.96	30.3	4.86	-3.8	6.93	-1.73	5.98	-2.68	10:15:03	150	100
49.33	41.41	-7.92	29.69	-19.64	6.3	-43.03	6.45	-42.88	10:30:03	150	100
16.48	62.21	45.73	13.54	-2.94	6.81	-9.67	8.65	-7.83	10:45:03	150	100
8.4	22.18	13.78	7.72	-0.68	5.13	-3.27	4.75	-3.65	11:00:03	150	100
10.6	8.37	-2.23	12.77	2.17	5.26	-5.34	23.96	13.36	11:15:03	150	100
15.05	31.52	16.47	10.24	-4.81	9.7	-5.35	37.24	22.19	11:30:03	150	100
17.78	42.12	24.34	7.91	-9.87	9.07	-8.71	6.29	-11.49	11:45:03	150	100
12.98	8.68	-4.3	26.62	13.64	10.22	-2.76	4.49	-8.49	12:00:03	150	100
5.49	5.84	0.35	5.71	0.22	3.71	-1.78	4.61	-0.88	12:15:03	150	100
7.19	5.62	-1.57	5.2	-1.99	4.04	-3.15	4.37	-2.82	12:30:03	150	100
20.26	5.62	-14.64	11.47	-8.79	6.03	-14.23	25.65	5.39	12:45:03	150	100
8.16	11.1	2.94	6.34	-1.82	5.79	-2.37	5.18	-2.98	13:00:03	150	100
11.81	12.22	0.41	5.55	-6.26	4.69	-7.12	10.61	-1.2	13:15:03	150	100
7.94	8.07	0.13	14.27	6.33	4.69	-3.25	11.81	3.87	13:30:03	150	100
13.88	13.88	0	12.24	-1.64	5.14	-8.74	5.28	-8.6	13:45:03	150	100
17.95	45.6	27.65	8.67	-9.28	6.67	-11.28	14.81	-3.14	14:00:03	150	100
21.25	7.5	-13.75	5.89	-15.36	5.04	-16.21	5.52	-15.73	14:15:03	150	100
37.09	28.54	-8.55	22.21	-14.88	5.28	-31.81	7.93	-29.16	14:30:03	150	100
15.37	11.8	-3.57	6.47	-8.9	5.56	-9.81	9.07	-6.3	14:45:03	150	100
8.74	10.95	2.21	7.58	-1.16	6.31	-2.43	6.12	-2.62	15:00:03	150	100
7.66	7.69	0.03	6.62	-1.04	6.07	-1.59	5.99	-1.67	15:15:03	150	100
8.22	11.31	3.09	6.22	-2	4.97	-3.25	5.58	-2.64	15:30:03	150	100
7.07	11.41	4.34	6.59	-0.48	5.1	-1.97	5.22	-1.85	15:45:03	150	100
6.05	8.91	2.86	5.38	-0.67	4.1	-1.95	4.44	-1.61	16:00:03	150	100
6.01	5.47	-0.54	5.2	-0.81	3.93	-2.08	4.34	-1.67	16:15:03	150	100


Dust monitoring summaries
IRM MSA area MN0832D
Date : 6/20/2018
MSA Reuse material shifting
200
150
100
50
0
-50
08:00:03
08:15:03
08:30:03
08:45:03
09:00:03
09:15:03
09:30:03
09:45:03
10:00:03
10:15:03
10:30:03
10:45:03
11:00:03
11:15:03
11:30:03
11:45:03
12:00:03
12:15:03
12:30:03
12:45:03
13:00:03
13:15:03
13:30:03
13:45:03
14:00:03
14:15:03
14:30:03
14:45:03
15:00:03
15:15:03
15:30:03
15:45:03
16:00:03
16:15:03
NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings.
Threshold
Trigger
11 Upwind
09 Downwind 1
10 Downwind 2
12 Downwind 3
13 Downwind 4

>"Model N	"PDR-1500"	1.34						
Serial no.	"0115248912"							
Tag Numb	3							
Start Time	07:45:03							
Start Date	20-Jun-2018							
Log Period	00:15:00							
Number	34							
CalFactor	1							
Unit	0							
Unit Name	"ug/m3"							
TEMPUNIT	C							
RH CORRE	"ENABLED "							
Max Disp	805.571461							
Max Disp (	10:40:13	20-Jun-2018						
Max STEL	76.429014							
Max STEL	10:54:03	20-Jun-2018						
Avg point	19.684935							
ALARM	"INSTANT "							
ALARM_LE	0.1							
Errors	0							
Inlet Type	"TOTAL "							
FlowRate	1.2							
Site Name	"Factory default"							
record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags			
1	43.97	18.5	53	736	1	08:00:03	20-Jun-2018	
2	15.51	17.8	56	736	0	08:15:03	20-Jun-2018	
3	13.37	17.5	59	736	0	08:30:03	20-Jun-2018	
4	12.59	17.5	61	736	0	08:45:03	20-Jun-2018	
5	50.34	17.9	61	736	0	09:00:03	20-Jun-2018	
6	17.63	18.5	59	736	0	09:15:03	20-Jun-2018	
7	21.78	19	57	736	0	09:30:03	20-Jun-2018	
8	12.96	19.8	56	736	0	09:45:03	20-Jun-2018	
9	14.13	20.6	53	736	0	10:00:03	20-Jun-2018	
10	38.96	21	51	736	0	10:15:03	20-Jun-2018	
11	41.41	21.7	51	736	0	10:30:03	20-Jun-2018	
12	62.21	22.2	49	734	0	10:45:03	20-Jun-2018	
13	22.18	22.6	48	734	0	11:00:03	20-Jun-2018	
14	8.37	23	48	734	0	11:15:03	20-Jun-2018	
15	31.52	23.6	48	734	0	11:30:03	20-Jun-2018	
16	42.12	24	46	734	0	11:45:03	20-Jun-2018	
17	8.68	24.4	45	734	0	12:00:03	20-Jun-2018	
18	5.84	24.4	44	734	0	12:15:03	20-Jun-2018	
19	5.62	24.5	44	734	0	12:30:03	20-Jun-2018	
20	5.62	24.4	46	734	0	12:45:03	20-Jun-2018	
21	11.1	24.6	46	734	0	13:00:03	20-Jun-2018	
22	12.22	24.6	47	734	0	13:15:03	20-Jun-2018	
23	8.07	24.7	46	734	0	13:30:03	20-Jun-2018	
24	13.88	24.7	47	734	0	13:45:03	20-Jun-2018	
25	45.6	24.7	48	734	0	14:00:03	20-Jun-2018	
26	7.5	24.8	49	734	0	14:15:03	20-Jun-2018	
27	28.54	24.8	50	734	0	14:30:03	20-Jun-2018	
28	11.8	24.6	51	734	0	14:45:03	20-Jun-2018	
29	10.95	24.3	53	734	0	15:00:03	20-Jun-2018	
30	7.69	24.6	54	734	0	15:15:03	20-Jun-2018	
31	11.31	24.5	52	734	0	15:30:03	20-Jun-2018	
32	11.41	24	53	734	0	15:45:03	20-Jun-2018	
33	8.91	23.6	54	734	0	16:00:03	20-Jun-2018	
34	5.47	23.5	55	734	0	16:15:03	20-Jun-2018	

>"Model N	"PDR-1500"	1.34						
Serial no.	"0115248913"							
Tag Numb	3							
Start Time	07:45:03							
Start Date	20-Jun-2018							
Log Period	00:15:00							
Number	34							
CalFactor	1							
Unit	0							
Unit Name	"ug/m3"							
TEMPUNIT	C							
RH CORRE	"ENABLED "							
Max Disp	644.196606							
Max Disp (	07:50:04	20-Jun-2018						
Max STEL	57.974339							
Max STEL	08:00:03	20-Jun-2018						
Avg point	13.981565							
ALARM	"INSTANT "							
ALARM_LE	0.1							
Errors	0							
Inlet Type	"TOTAL "							
FlowRate	1.2							
Site Name	"Factory default"							
record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags			
1	57.97	17.6	57	738	0	08:00:03	20-Jun-2018	
2	10.54	17	60	738	0	08:15:03	20-Jun-2018	
3	22.96	16.8	63	738	0	08:30:03	20-Jun-2018	
4	11.59	17	63	738	0	08:45:03	20-Jun-2018	
5	21.23	17.5	62	736	0	09:00:03	20-Jun-2018	
6	9.64	18.2	58	736	0	09:15:03	20-Jun-2018	
7	31.12	18.7	56	736	0	09:30:03	20-Jun-2018	
8	6.25	19.4	55	736	0	09:45:03	20-Jun-2018	
9	49.12	20.2	52	736	0	10:00:03	20-Jun-2018	
10	4.86	20.9	51	736	0	10:15:03	20-Jun-2018	
11	29.69	21.7	50	736	0	10:30:03	20-Jun-2018	
12	13.54	22.2	49	736	0	10:45:03	20-Jun-2018	
13	7.72	22.5	49	736	0	11:00:03	20-Jun-2018	
14	12.77	23.1	49	736	0	11:15:03	20-Jun-2018	
15	10.24	23.8	48	736	0	11:30:03	20-Jun-2018	
16	7.91	24.4	45	736	0	11:45:03	20-Jun-2018	
17	26.62	24.6	43	736	0	12:00:03	20-Jun-2018	
18	5.71	24.7	43	736	0	12:15:03	20-Jun-2018	
19	5.2	24.5	44	736	0	12:30:03	20-Jun-2018	
20	11.47	24.6	46	736	0	12:45:03	20-Jun-2018	
21	6.34	24.7	47	736	0	13:00:03	20-Jun-2018	
22	5.55	24.7	48	736	0	13:15:03	20-Jun-2018	
23	14.27	24.7	49	736	0	13:30:03	20-Jun-2018	
24	12.24	24.8	49	736	0	13:45:03	20-Jun-2018	
25	8.67	24.8	51	736	0	14:00:03	20-Jun-2018	
26	5.89	24.9	52	736	0	14:15:03	20-Jun-2018	
27	22.21	24.8	52	736	0	14:30:03	20-Jun-2018	
28	6.47	24.6	53	736	0	14:45:03	20-Jun-2018	
29	7.58	24.4	55	736	0	15:00:03	20-Jun-2018	
30	6.62	24.8	54	736	0	15:15:03	20-Jun-2018	
31	6.22	24.6	51	736	0	15:30:03	20-Jun-2018	
32	6.59	24	53	736	0	15:45:03	20-Jun-2018	
33	5.38	23	57	736	0	16:00:03	20-Jun-2018	
34	5.2	22.7	58	736	0	16:15:03	20-Jun-2018	

>"Model N	"PDR-1500"	1.34
Serial no.	"0115249311"	
Tag Numb	4	
Start Time	07:45:03	
Start Date	20-Jun-2018	
Log Period	00:15:00	
Number	34	
CalFactor	1	
Unit	0	
Unit Name	"ug/m3"	
TEMPUNIT	C	
RH CORRE	"ENABLED "	
Max Disp	428.138542	
Max Disp (	10:23:11 20-Jun-2018	
Max STEL	49.626904	
Max STEL	10:30:13 20-Jun-2018	
Avg point	14.463515	
ALARM	"INSTANT "	
ALARM_LE	0.1	
Errors	0	
Inlet Type	"TOTAL "	
FlowRate	1.2	
Site Name	"Factory default"	

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	15.27	17.4	46	740	3	08:00:03	20-Jun-2018
2	14.73	17	49	740	0	08:15:03	20-Jun-2018
3	20.33	16.8	50	738	0	08:30:03	20-Jun-2018
4	12.43	16.9	51	738	0	08:45:03	20-Jun-2018
5	13.86	18.1	46	738	0	09:00:03	20-Jun-2018
6	28.21	19	41	738	0	09:15:03	20-Jun-2018
7	11.65	20.4	39	738	0	09:30:03	20-Jun-2018
8	16.4	21.2	36	738	0	09:45:03	20-Jun-2018
9	9.47	21.5	34	738	0	10:00:03	20-Jun-2018
10	8.66	21.7	34	738	0	10:15:03	20-Jun-2018
11	49.33	22.1	34	738	0	10:30:03	20-Jun-2018
12	16.48	22.8	33	738	0	10:45:03	20-Jun-2018
13	8.4	22.8	33	738	0	11:00:03	20-Jun-2018
14	10.6	22.7	33	738	0	11:15:03	20-Jun-2018
15	15.05	22.7	35	738	0	11:30:03	20-Jun-2018
16	17.78	23.4	32	738	0	11:45:03	20-Jun-2018
17	12.98	23.9	31	738	0	12:00:03	20-Jun-2018
18	5.49	24.4	31	738	0	12:15:03	20-Jun-2018
19	7.19	24.7	31	738	0	12:30:03	20-Jun-2018
20	20.26	25	30	738	0	12:45:03	20-Jun-2018
21	8.16	25.1	31	738	0	13:00:03	20-Jun-2018
22	11.81	24.5	33	738	0	13:15:03	20-Jun-2018
23	7.94	24.2	34	738	0	13:30:03	20-Jun-2018
24	13.88	24	36	738	0	13:45:03	20-Jun-2018
25	17.95	23.6	39	738	0	14:00:03	20-Jun-2018
26	21.25	23.4	40	738	0	14:15:03	20-Jun-2018
27	37.09	23.2	40	738	0	14:30:03	20-Jun-2018
28	15.37	23.1	44	738	0	14:45:03	20-Jun-2018
29	8.74	23	45	738	0	15:00:03	20-Jun-2018
30	7.66	23.7	44	738	0	15:15:03	20-Jun-2018
31	8.22	23.9	42	738	0	15:30:03	20-Jun-2018
32	7.07	24	42	738	0	15:45:03	20-Jun-2018
33	6.05	24	44	738	0	16:00:03	20-Jun-2018
34	6.01	24.4	40	736	0	16:15:03	20-Jun-2018

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Serial no.	"CM15111014"							
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Start Date	20-Jun-2018							
Log Period	00:15:00							
Number	34							
CalFactor	1							
Unit	0							
Unit Name	"ug/m3"							
TEMPUNIT	C							
RH CORRE	"ENABLED "							
Max Disp	82.145739							
Max Disp (	11:59:17	20-Jun-2018						
Max STEL	10.996574							
Max STEL	09:54:33	20-Jun-2018						
Avg point	6.134249							
ALARM	"INSTANT "							
ALARM_LE	0.1							
Errors	0							
Inlet Type	"TOTAL "							
FlowRate	1.2							
Site Name	"Factory default"							
record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags			
1	7.4	14.7	63	738	1	08:00:03	20-Jun-2018	
2	5.18	14.8	65	738	1	08:15:03	20-Jun-2018	
3	5.7	14.9	65	738	1	08:30:03	20-Jun-2018	
4	4.96	15.3	65	738	1	08:45:03	20-Jun-2018	
5	7.9	16.5	61	738	0	09:00:03	20-Jun-2018	
6	7.04	17.7	56	738	0	09:15:03	20-Jun-2018	
7	7.4	18.6	52	738	0	09:30:03	20-Jun-2018	
8	6.11	19.1	51	738	0	09:45:03	20-Jun-2018	
9	10.34	19.9	50	738	0	10:00:03	20-Jun-2018	
10	6.93	20.6	48	738	0	10:15:03	20-Jun-2018	
11	6.3	21.2	48	738	0	10:30:03	20-Jun-2018	
12	6.81	22.3	46	738	0	10:45:03	20-Jun-2018	
13	5.13	22.6	45	738	0	11:00:03	20-Jun-2018	
14	5.26	22.7	46	738	0	11:15:03	20-Jun-2018	
15	9.7	23.5	45	738	0	11:30:03	20-Jun-2018	
16	9.07	23.7	43	738	0	11:45:03	20-Jun-2018	
17	10.22	23.8	43	738	0	12:00:03	20-Jun-2018	
18	3.71	23.6	43	738	0	12:15:03	20-Jun-2018	
19	4.04	23.6	45	738	0	12:30:03	20-Jun-2018	
20	6.03	24	44	738	0	12:45:03	20-Jun-2018	
21	5.79	23.4	46	738	0	13:00:03	20-Jun-2018	
22	4.69	23.4	47	736	0	13:15:03	20-Jun-2018	
23	4.69	23.6	47	736	0	13:30:03	20-Jun-2018	
24	5.14	23.8	48	736	0	13:45:03	20-Jun-2018	
25	6.67	23.5	51	736	0	14:00:03	20-Jun-2018	
26	5.04	23.4	51	736	0	14:15:03	20-Jun-2018	
27	5.28	23.3	50	736	0	14:30:03	20-Jun-2018	
28	5.56	23.2	54	736	0	14:45:03	20-Jun-2018	
29	6.31	23.1	54	736	0	15:00:03	20-Jun-2018	
30	6.07	23.4	54	736	0	15:15:03	20-Jun-2018	
31	4.97	23.5	52	736	0	15:30:03	20-Jun-2018	
32	5.1	23.2	54	736	0	15:45:03	20-Jun-2018	
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Serial no.	"0115250136"	
Tag Numb	5	
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Start Date	20-Jun-2018	
Log Period	00:15:00	
Number	34	
CalFactor	1	
Unit	0	
Unit Name	"ug/m3"	
TEMPUNIT	C	
RH CORRE	"ENABLED "	
Max Disp	665.640926	
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Max STEL	53.098369	
Max STEL	11:15:43	20-Jun-2018
Avg point	9.094975	
ALARM	"INSTANT "	
ALARM_LE	0.1	
Errors	0	
Inlet Type	"TOTAL "	
FlowRate	1.2	
Site Name	"Factory default"	

record	"ug/m3"	Temp	RHumidity	AtmoPres	Flags		
1	7.35	19.7	62	736	1	08:00:03	20-Jun-2018
2	5.47	20	61	736	0	08:15:03	20-Jun-2018
3	8.07	20.2	61	736	0	08:30:03	20-Jun-2018
4	20.74	20.6	60	736	0	08:45:03	20-Jun-2018
5	5.68	22.1	55	736	0	09:00:03	20-Jun-2018
6	8.09	24.2	49	736	0	09:15:03	20-Jun-2018
7	7.06	25.5	45	736	0	09:30:03	20-Jun-2018
8	5.91	26.1	44	736	0	09:45:03	20-Jun-2018
9	6.53	25.8	44	736	0	10:00:03	20-Jun-2018
10	5.98	26	44	736	0	10:15:03	20-Jun-2018
11	6.45	26.2	45	736	0	10:30:03	20-Jun-2018
12	8.65	27.3	42	736	0	10:45:03	20-Jun-2018
13	4.75	27.5	42	736	0	11:00:03	20-Jun-2018
14	23.96	27.6	44	736	0	11:15:03	20-Jun-2018
15	37.24	28	44	736	0	11:30:03	20-Jun-2018
16	6.29	28.6	42	736	0	11:45:03	20-Jun-2018
17	4.49	28.9	42	736	0	12:00:03	20-Jun-2018
18	4.61	28.8	42	736	0	12:15:03	20-Jun-2018
19	4.37	29.5	41	736	0	12:30:03	20-Jun-2018
20	25.65	29.7	41	736	0	12:45:03	20-Jun-2018
21	5.18	29	43	736	0	13:00:03	20-Jun-2018
22	10.61	28.1	45	734	0	13:15:03	20-Jun-2018
23	11.81	28	46	734	0	13:30:03	20-Jun-2018
24	5.28	28	48	734	0	13:45:03	20-Jun-2018
25	14.81	27.7	50	734	0	14:00:03	20-Jun-2018
26	5.52	27.4	51	734	0	14:15:03	20-Jun-2018
27	7.93	27.3	50	734	0	14:30:03	20-Jun-2018
28	9.07	27.4	54	734	0	14:45:03	20-Jun-2018
29	6.12	27.7	54	734	0	15:00:03	20-Jun-2018
30	5.99	28.3	52	734	0	15:15:03	20-Jun-2018
31	5.58	28.8	50	734	0	15:30:03	20-Jun-2018
32	5.22	28.6	53	734	0	15:45:03	20-Jun-2018
33	4.44	28.3	54	734	0	16:00:03	20-Jun-2018
34	4.34	28.4	54	734	0	16:15:03	20-Jun-2018

DAILY OBSERVATION REPORT

Report No.:	15	Project File:	MN0832D	Date:	6/21/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Ashwin Ranna

Site Representative: Ashwin Ranna

Contractor: Recon

Arrive at Site: 0630 hrs. Leave Site: 1830 hrs.

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Sunny	am	Clear	pm
Temperature:	55° F	am	78° F	pm
Wind Direction:	Calm	am	10.3 N mph	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☐	N/A ☒
	Vibration:	*Yes ☐	No ☐	N/A ☒
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☐	N/A ☒
Was there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☐	N/A ☒

WASTE HAULING :

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☐	N/A ☒

Report No.: 15 Project File: MN0832D Date: 6/21/2018

Materials Imported and Removed from Work Areas

Soil Removal:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported #2 Run of Crusher:

Total Loads today: 0 Total Loads to date:0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported Common Fill:

Total Loads today: 11 Total Loads to date: 66

Weight: 234.78 Tons Total Weight to date: 1397Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0630. Attended Recon safety meeting. Reviewed buddy systems. Matthew Schallinger and Jim Burnett from Geosyntec on site. Recon said that they planned to start work at 0600 starting tomorrow.
- Calibrated and set up air monitors around MSA. Recon began placing concrete blocks to demarcate the Non-haz loading area. Recon continued shifting straw wattle around the edges of the MSA. Water was sprayed on the haul roads and around the MSA periodically.
- Recon received sheet piles and unloaded them onto the wooden cribbing. Truck wash systems at MSA and TSCA loading pad were commissioned.
- Recon installed the seismographs for the sheet pile install during the morning. ECSD granted permission to carry out the pre-construction building survey.
- AR reviewed the site and carried out site orientation for MS and JB. Aron Krasnopoler arrived on site at 1200. Recon labor took a break for lunch at 1215.

PM

- Recon reviewed the samples to be collected and effort coordination during a site table top meeting. Additional potential site issues were reviewed and discussed with Geosyntec.
- NY one call representative was on site to mark out gas line in the south east corner of site.

Report No.: 15 Project File: MN0832D Date: 6/21/2018

- Recon received a trencher on site to begin installing silt fence along the site perimeter. Machine broke down and a mechanic was on site to repair it later in the day.
- Recon carried out a pre-construction site survey of the K wing at 1600.
- Labor left site at 1700. Dust monitors were collected. No dust exceedances were observed. Geosyntec left site at 1830.

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- John Geary
- Patrick Carr
- Bill
- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Rich Tonnucour
- (Recon labor) X12
- Rent for rain labor X3 (Recon sub-contractor)

Equipment and Materials:

- Dozer
- Trailer(X4)
- Generator X2
- Conex
- Roll off Bin
- GPS equipment for excavation
- Haul truckX2
- Heavy Dozer
- Water truck
- Adler Frac tanksX4
- Concrete blocks
- CAT excavators 4
- Truck washesX2
- Fuel tank
- Sheet piles

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone

PROJECT SCHEDULE:

NTP Date: NA
Substantial Completion Date: NA
Completion Date: NA

ITEMS OF CONCERN:

Site Representative: Ashwin Ranna Date: 6/21/2018

Name: (*signature*)



:

Report No.: 15 Project File: MN0832D Date: 6/21/2018

Photo Log

Date : 6/21/2018



Unloading sheet pile sections



Concrete block barricade in MSA for Non haz pile



Installing silt fence



Covered Hi pile at end of day

Report No.:	15	Project File:	MN0832D	Date:	6/21/2018

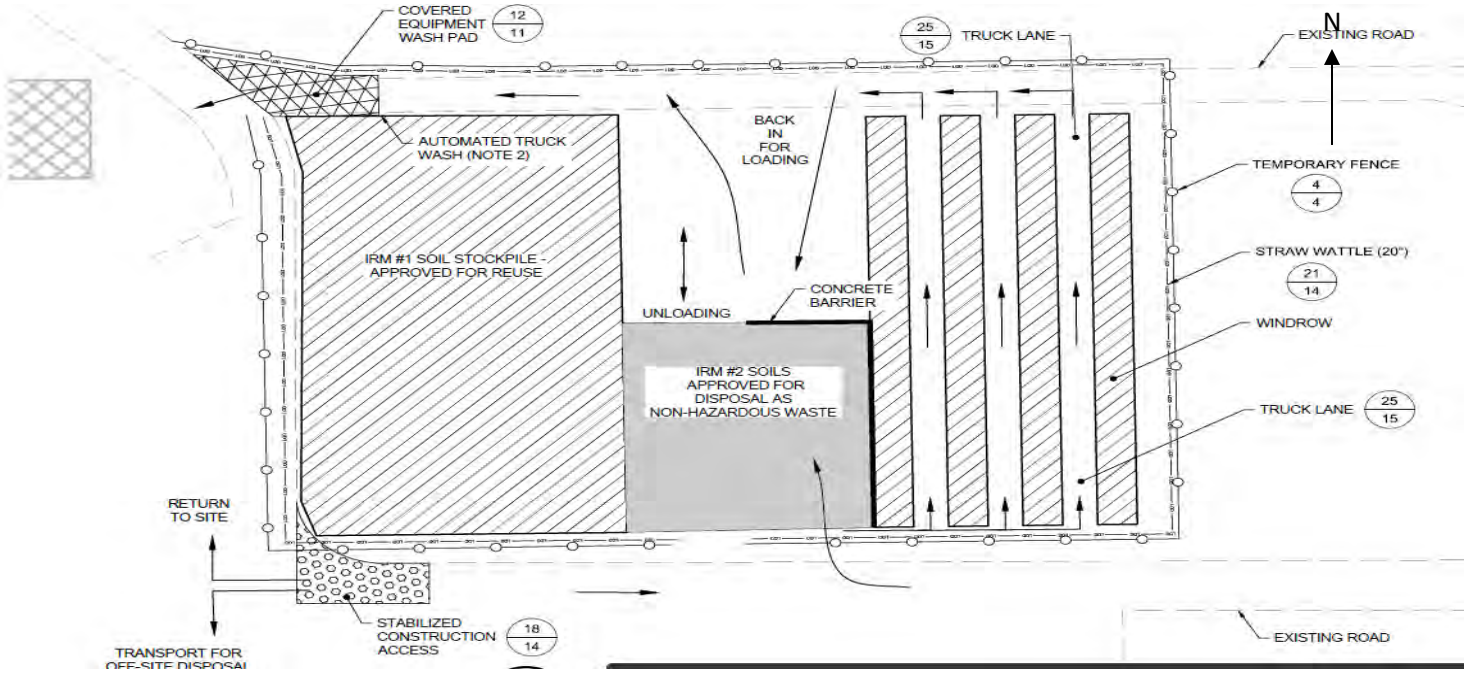
Site Map

Rear Parking Lot



Report No.:	15	Project File:	MN0832D	Date:	6/21/2018

MSA



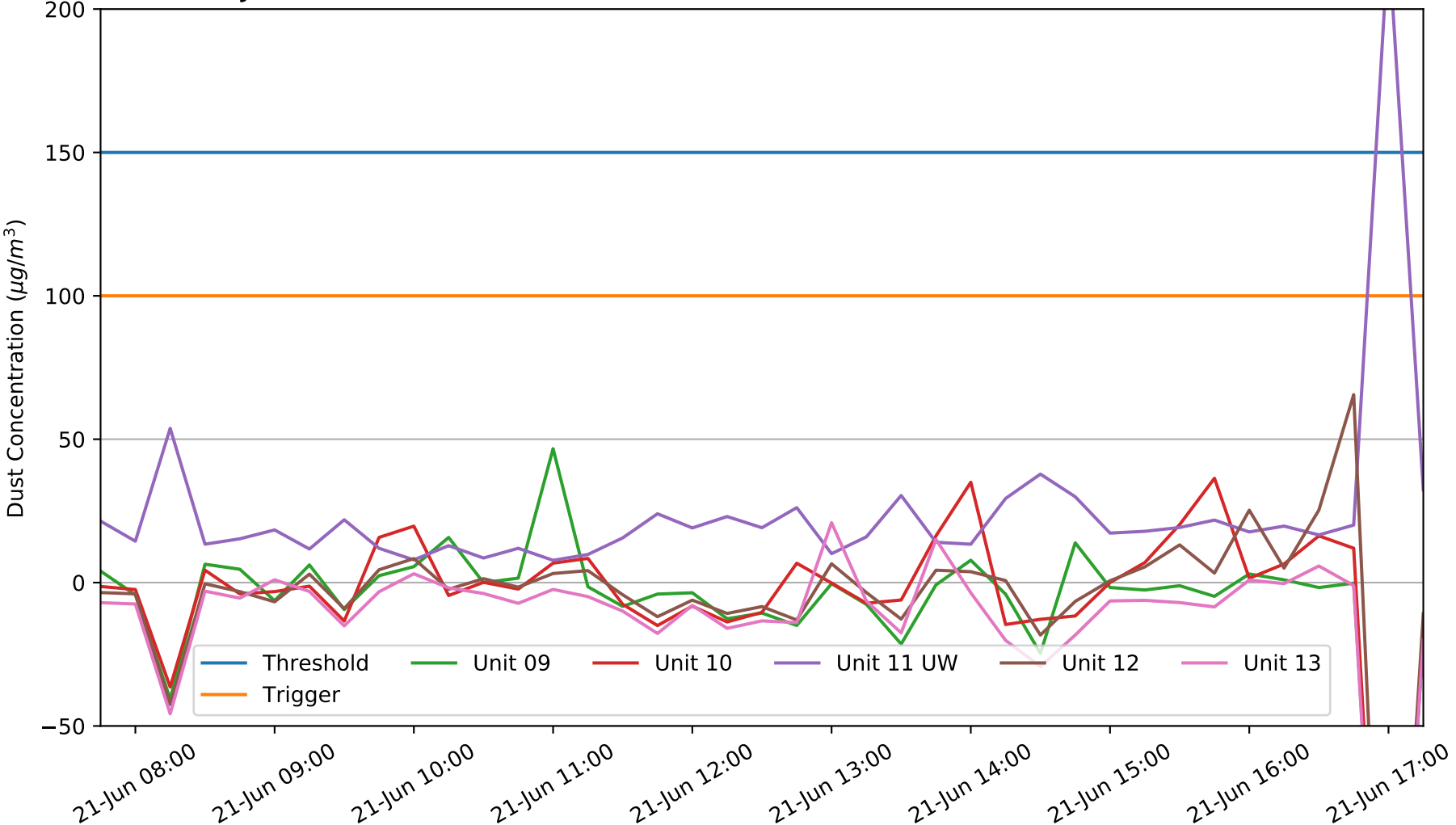
Dust Monitoring Data
MSA 21-Jun-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 09	Unit 11 UW	Unit 12	Unit 13	Unit 10	Threshold	Trigger
2018-06-21 07:45:00	4.02	21.44	-3.47	-6.99	-1.36	150	100
2018-06-21 08:00:00	-4.26	14.44	-3.92	-7.46	-2.42	150	100
2018-06-21 08:15:00	-40.61	53.8	-42.53	-45.76	-36.41	150	100
2018-06-21 08:30:00	6.41	13.4	-0.41	-2.98	4.33	150	100
2018-06-21 08:45:00	4.66	15.27	-3.14	-5.41	-3.92	150	100
2018-06-21 09:00:00	-6.31	18.37	-6.69	0.98	-3.14	150	100
2018-06-21 09:15:00	6.16	11.71	2.96	-3.09	-1.25	150	100
2018-06-21 09:30:00	-9.41	21.91	-9.1	-15.1	-13.4	150	100
2018-06-21 09:45:00	2.41	11.96	4.48	-3.19	15.75	150	100
2018-06-21 10:00:00	5.57	7.92	8.38	3.09	19.69	150	100
2018-06-21 10:15:00	15.75	12.88	-2.31	-1.84	-4.51	150	100
2018-06-21 10:30:00	-0.02	8.57	1.36	-3.8	0.1	150	100
2018-06-21 10:45:00	1.56	11.96	-1.58	-7.22	-2.26	150	100
2018-06-21 11:00:00	46.69	7.77	3.17	-2.38	6.78	150	100
2018-06-21 11:15:00	-1.44	9.8	4.19	-4.88	8.45	150	100
2018-06-21 11:30:00	-8.29	15.59	-4.24	-9.94	-7.56	150	100
2018-06-21 11:45:00	-4	24.01	-11.89	-17.74	-14.98	150	100
2018-06-21 12:00:00	-3.55	19.07	-6.12	-7.96	-8.19	150	100
2018-06-21 12:15:00	-12.61	23.04	-10.76	-15.95	-13.72	150	100
2018-06-21 12:30:00	-10.61	19.14	-8.36	-13.35	-10.37	150	100
2018-06-21 12:45:00	-14.94	26.14	-13.03	-13.93	6.76	150	100
2018-06-21 13:00:00	-0.38	10.09	6.57	20.9	-0.14	150	100
2018-06-21 13:15:00	-7.57	15.95	-3.46	-6.44	-7.19	150	100
2018-06-21 13:30:00	-21.41	30.38	-12.73	-17.51	-6.07	150	100
2018-06-21 13:45:00	-0.78	14.07	4.32	15.05	16.29	150	100
2018-06-21 14:00:00	7.8	13.38	3.8	-3.55	34.99	150	100
2018-06-21 14:15:00	-4.04	29.34	0.72	-20.14	-14.62	150	100
2018-06-21 14:30:00	-24.67	37.84	-18.29	-29.26	-12.8	150	100
2018-06-21 14:45:00	13.87	29.94	-6.55	-18.3	-11.64	150	100
2018-06-21 15:00:00	-1.71	17.26	0.64	-6.39	0.02	150	100
2018-06-21 15:15:00	-2.58	17.89	5.48	-6.19	6.99	150	100
2018-06-21 15:30:00	-1.08	19.22	13.15	-6.97	20.22	150	100
2018-06-21 15:45:00	-4.79	21.8	3.32	-8.48	36.39	150	100
2018-06-21 16:00:00	3.01	17.67	25.25	0.88	1.51	150	100
2018-06-21 16:15:00	0.97	19.7	5.04	-0.35	6.48	150	100
2018-06-21 16:30:00	-1.73	16.63	25.28	5.79	16.3	150	100
2018-06-21 16:45:00	-0.18	20.06	65.55	-1.01	11.99	150	100
2018-06-21 17:00:00	-198.49	224.33	-202.31	-205.45	-200.83	150	100
2018-06-21 17:15:00	-19.58	32.3	-10.85	-19.95	-18.62	150	100

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 21-Jun-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



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DAILY OBSERVATION REPORT

Report No.:	16	Project File:	MN0832D	Date:	6/22/2018

Geosyntec consultants

engineers | scientists | innovators

Beech and Bonaparte engineering p.c.

an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: James Burnett

Site Representative: Ashwin Ranna, Matt Schallinger

Contractor: Recon

Arrive at Site: 0600 hrs. Leave Site: 1830 hrs.

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Partly Sunny	am	Cloudy and light rain	pm
Temperature:	44° F	am	75° F	pm
Wind Direction:	9.3 SE	am	6.9 ESE mph	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☐	N/A ☒
	Vibration:	*Yes ☐	No ☐	N/A ☒
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☐	N/A ☒
Was there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☐	N/A ☒

WASTE HAULING :

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☐	N/A ☒

Report No.: 16 Project File: MN0832D Date: 6/22/2018

Materials Imported and Removed from Work Areas

Soil Removal:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported #2 Run of Crusher:

Total Loads today: 0 Total Loads to date:0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported Common Fill:

Total Loads today: 11 Total Loads to date: 66

Weight: 234.78 Tons Total Weight to date: 1397Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0600. Attended Recon safety meeting. Aron Krasnopoler, Matthew Schallinger and Jim Burnett from Geosyntec on site. Held tailgate safety meeting and reviewed working around heavy equipment.
- Recon prepared to mill the parking lot after access was to be granted at 1100 AM. Equipment from Edger was brought to site and fueled. Recon continued installing silt fence and set up the GPS system for the excavators. Welding the Sheet piling to prepare for driving continued. Truck wash final grade adjustments were carried out.
- Bill A and Bryan Balog from Recon requested access to the roofs of the building to identify storm drain cleanouts. Bill A recommended that the storm drains on K wing be closed off and sump pumps operated on the roof of K wing to transfer water to an adjacent roof so that the storm cleanout in the RPL could be decommissioned during the IRM.
- Welliver arrived on site at 0900 to perform the sheet piling load tests. Geosyntec set up Dust monitors in the RPL.
- Geosyntec held a project Kick off meeting at 1000.
- Between 11 AM and through 1700 Recon milled the asphalt on top of the RPL. Asphalt from the east side of the parking lot (east of the easternmost limit of TSCA soils) was milled and stored on top of poly behind the K wing on top of the asphalt. After completing milling non TSCA overlying asphalt milling was started from the westernmost part of the LOD and material was shifted to a separate pile on top of poly behind the K wing. Milling was carried out in multiple layers to ensure that sub base material was not exposed.

Report No.: 16 Project File: MN0832D Date: 6/22/2018

- DEC Tim Schneider and Scott Williams arrived on site at around 1100. DEC reviewed site preparation and recommended that care should be taken to ensure that TSCA material not be tracked over into Non TSCA areas. Tim also asked about confirmatory sampling procedures and requested that the TSCA sump be reinforced with a concrete block.

PM

- Privacy fence between school and STCC was taken down and shifted to the west across the parking lot and to the north between the gym building and the school fence.
- Geosyntec, DEC and Recon reviewed planned progress for site work. DEC left site around 1400 and Scott Williams mentioned he would be back on site on Monday.
- Geosyntec set up a staging area to collect samples and Decon equipment. TISCH high volume sampler was delivered to site and was placed on the roof to be commissioned tomorrow.
- Recon Completed milling at 1700. Piles were covered, and labor demobilized at 1730. Bill A indicated that the excavation plan drawings needed to be reviewed tomorrow prior to beginning excavation.
- AR and MT stayed on site to collect Dust monitors and complete shutdown. No dust monitor exceedances were recorded.
- Geosyntec left site at 1830.

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Rich Tonnucour
- (Recon labor) X12
- Edger x3(Recon subcontractor Milling)

Equipment and Materials:

- Dozer
- Trailer X4
- Generator X2
- Conex
- Roll off Bin
- GPS equipment for excavation
- Haul truckX2
- Heavy Dozer
- Water truck
- Adler Frac tanksX4
- Concrete blocks
- CAT excavators 4
- Truck washes X2
- Fuel tank
- Sheet piles
- Trenching machine
- Milling machine.
- haul trucksX3

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Tim Schneider	DEC	NA
Scott Williams	DEC	NA

DAILY OBSERVATION REPORT

Report No.:	16	Project File:	MN0832D	Date:	6/22/2018

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Substantial Completion Date: NA
Completion Date: NA

ITEMS OF CONCERN:

Site Representative: Ashwin Ranna

Date: 6/22/2018

Name: (*signature*)



:

Report No.: 16 Project File: MN0832D Date: 6/22/2018

Photo Log

Date : 6/22/2018



Testing Truck wash



Asphalt milling



Shifting privacy fence



Laying down Poly for asphalt millings

Report No.:	16	Project File:	MN0832D	Date:	6/22/2018

Photo Log

Date : 6/22/2018

	
Milled parking lot	Covered asphalt millings piles

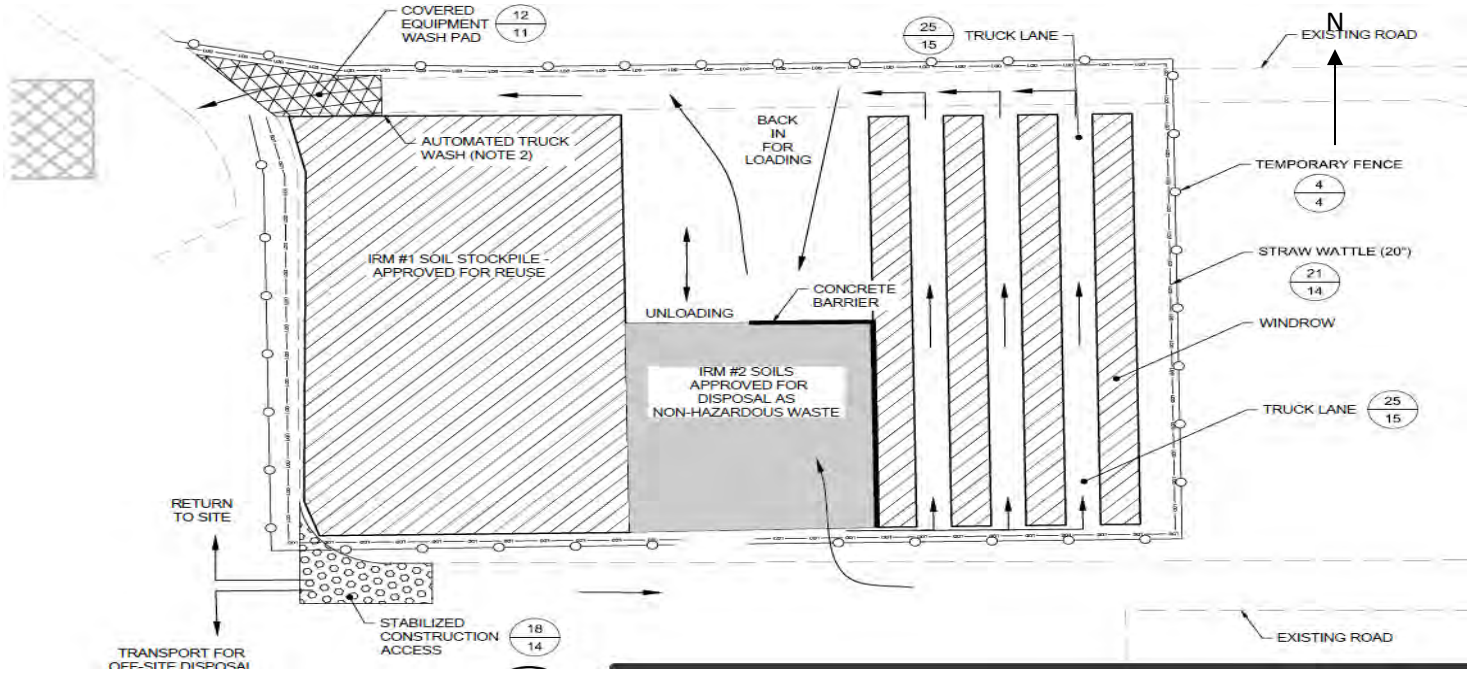
Report No.:	16	Project File:	MN0832D	Date:	6/22/2018

Site Map

Rear Parking Lot



MSA



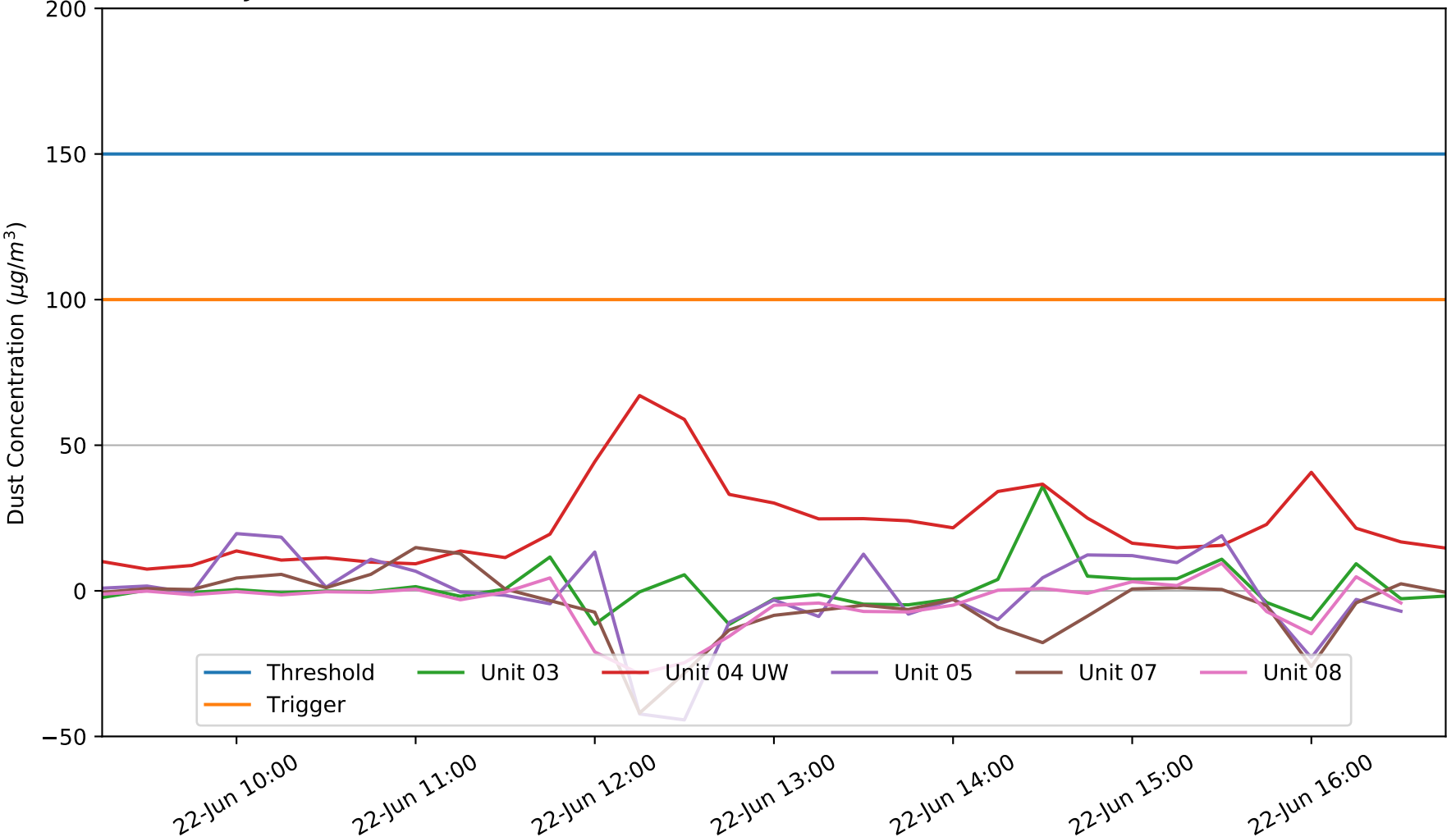
Dust Monitoring Data
RPL 22-Jun-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 04 UW	Unit 05	Unit 07	Unit 03	Unit 08	Threshold	Trigger
2018-06-22 09:15:00	10.05	0.92	-0.52	-2.28	-1.15	150	100
2018-06-22 09:30:00	7.45	1.65	0.75	0.22	-0.11	150	100
2018-06-22 09:45:00	8.71	-0.75	0.45	-0.58	-1.33	150	100
2018-06-22 10:00:00	13.7	19.65	4.39	0.43	-0.26	150	100
2018-06-22 10:15:00	10.55	18.43	5.65	-0.64	-1.39	150	100
2018-06-22 10:30:00	11.35	1.24	1.09	-0.08	-0.33	150	100
2018-06-22 10:45:00	9.86	10.86	5.66	-0.27	-0.51	150	100
2018-06-22 11:00:00	9.29	6.73	14.86	1.44	0.57	150	100
2018-06-22 11:15:00	13.68	-0.4	12.78	-1.88	-3.07	150	100
2018-06-22 11:30:00	11.42	-1.54	0.6	0.62	-0.44	150	100
2018-06-22 11:45:00	19.47	-4.45	-3.37	11.62	4.44	150	100
2018-06-22 12:00:00	44.34	13.34	-7.32	-11.48	-20.97	150	100
2018-06-22 12:15:00	67.06	-42.27	-41.96	-0.37	-28.46	150	100
2018-06-22 12:30:00	58.87	-44.32	-28.28	5.52	-24.69	150	100
2018-06-22 12:45:00	33.11	-10.86	-13.44	-11.54	-15.6	150	100
2018-06-22 13:00:00	30.15	-3.12	-8.42	-2.76	-4.96	150	100
2018-06-22 13:15:00	24.71	-8.81	-6.71	-1.24	-4.19	150	100
2018-06-22 13:30:00	24.79	12.6	-4.95	-4.58	-7.08	150	100
2018-06-22 13:45:00	24.05	-8	-6.41	-4.8	-7.24	150	100
2018-06-22 14:00:00	21.64	-2.94	-2.95	-2.71	-4.93	150	100
2018-06-22 14:15:00	34.12	-9.87	-12.51	3.91	0.21	150	100
2018-06-22 14:30:00	36.63	4.5	-17.79	35.89	0.8	150	100
2018-06-22 14:45:00	24.97	12.32	-8.69	5.03	-0.87	150	100
2018-06-22 15:00:00	16.35	12.09	0.64	4.03	3.12	150	100
2018-06-22 15:15:00	14.8	9.69	1.07	4.16	1.81	150	100
2018-06-22 15:30:00	15.61	18.93	0.47	10.86	9.44	150	100
2018-06-22 15:45:00	22.79	-5.06	-5.08	-3.98	-7.11	150	100
2018-06-22 16:00:00	40.7	-22.95	-26	-9.81	-14.73	150	100
2018-06-22 16:15:00	21.49	-2.96	-4.14	9.31	4.84	150	100
2018-06-22 16:30:00	16.8	-7	2.42	-2.71	-4.16	150	100
2018-06-22 16:45:00	14.69		-0.51	-1.8		150	100

Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 22-Jun-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



>"Model Number", "PDR-1500", 01.34
"Serial no. ", "0115250205"
"Tag Number ", 2
"Start Time ", 09:00:03
"Start Date ", 22-Jun-2018
"Log Period ", 00:15:00
"Number   ", 31
"CalFactor   ", 1.000000
"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 349.002790
"Max Disp @ ", 15:55:02 22-Jun-2018
"Max STEL   ", 77.912359
"Max STEL @ ", 12:18:53 22-Jun-2018
"Avg point ", 23.007033
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 10.05, 19.1, 51, 738, 01 , 09:15:03, 22-Jun-2018
2, 7.45, 20.0, 50, 738, 01 , 09:30:03, 22-Jun-2018
3, 8.71, 21.9, 47, 738, 01 , 09:45:03, 22-Jun-2018
4, 13.70, 22.8, 45, 738, 01 , 10:00:03, 22-Jun-2018
5, 10.55, 23.3, 46, 738, 01 , 10:15:03, 22-Jun-2018
6, 11.35, 24.1, 45, 738, 01 , 10:30:03, 22-Jun-2018
7, 9.86, 24.6, 45, 738, 01 , 10:45:03, 22-Jun-2018
8, 9.29, 25.7, 44, 738, 01 , 11:00:03, 22-Jun-2018
9, 13.68, 27.0, 43, 738, 01 , 11:15:03, 22-Jun-2018
10, 11.42, 27.8, 42, 738, 01 , 11:30:03, 22-Jun-2018
11, 19.47, 28.0, 43, 740, 01 , 11:45:03, 22-Jun-2018
12, 44.34, 28.4, 43, 740, 01 , 12:00:03, 22-Jun-2018
13, 67.06, 29.1, 43, 740, 01 , 12:15:03, 22-Jun-2018
14, 58.87, 29.4, 43, 740, 01 , 12:30:03, 22-Jun-2018
15, 33.11, 29.9, 43, 740, 01 , 12:45:03, 22-Jun-2018
16, 30.15, 29.7, 43, 738, 01 , 13:00:03, 22-Jun-2018
17, 24.71, 29.3, 45, 738, 01 , 13:15:03, 22-Jun-2018
18, 24.79, 29.3, 45, 738, 01 , 13:30:03, 22-Jun-2018
19, 24.05, 29.4, 45, 738, 01 , 13:45:03, 22-Jun-2018
20, 21.64, 28.8, 46, 738, 01 , 14:00:03, 22-Jun-2018
21, 34.12, 28.0, 48, 738, 01 , 14:15:03, 22-Jun-2018
22, 36.63, 27.6, 50, 738, 01 , 14:30:03, 22-Jun-2018
23, 24.97, 27.9, 48, 738, 01 , 14:45:03, 22-Jun-2018
24, 16.35, 28.7, 46, 738, 01 , 15:00:03, 22-Jun-2018
25, 14.80, 29.2, 45, 738, 01 , 15:15:03, 22-Jun-2018
26, 15.61, 29.8, 44, 738, 01 , 15:30:03, 22-Jun-2018
27, 22.79, 30.2, 43, 738, 01 , 15:45:03, 22-Jun-2018
28, 40.70, 30.3, 43, 738, 01 , 16:00:03, 22-Jun-2018
29, 21.49, 30.9, 42, 738, 01 , 16:15:03, 22-Jun-2018
30, 16.80, 30.9, 41, 738, 01 , 16:30:03, 22-Jun-2018
31, 14.69, 30.0, 43, 738, 01 , 16:45:03, 22-Jun-2018

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"Tag Number ", 2
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"Log Period ", 00:15:00
"Number   ", 30
"CalFactor   ", 1.000000
"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 307.780123
"Max Disp @ ", 13:21:14 22-Jun-2018
"Max STEL   ", 58.821397
"Max STEL @ ", 11:59:43 22-Jun-2018
"Avg point ", 22.205694
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 10.97, 18.9, 57, 738, 01 , 09:15:03, 22-Jun-2018
2, 9.10, 20.4, 54, 738, 00 , 09:30:03, 22-Jun-2018
3, 7.96, 22.4, 50, 738, 00 , 09:45:03, 22-Jun-2018
4, 33.35, 24.0, 47, 738, 00 , 10:00:03, 22-Jun-2018
5, 28.98, 25.2, 45, 738, 00 , 10:15:03, 22-Jun-2018
6, 12.59, 26.3, 44, 738, 00 , 10:30:03, 22-Jun-2018
7, 20.72, 27.3, 43, 738, 00 , 10:45:03, 22-Jun-2018
8, 16.02, 28.4, 42, 738, 00 , 11:00:03, 22-Jun-2018
9, 13.28, 29.2, 42, 738, 00 , 11:15:03, 22-Jun-2018
10, 9.88, 29.5, 42, 738, 00 , 11:30:03, 22-Jun-2018
11, 15.02, 29.3, 44, 738, 00 , 11:45:03, 22-Jun-2018
12, 57.68, 29.2, 45, 738, 01 , 12:00:03, 22-Jun-2018
13, 24.79, 29.8, 45, 738, 00 , 12:15:03, 22-Jun-2018
14, 14.55, 30.7, 44, 738, 00 , 12:30:03, 22-Jun-2018
15, 22.25, 31.0, 44, 738, 00 , 12:45:03, 22-Jun-2018
16, 27.03, 30.1, 45, 738, 02 , 13:00:03, 22-Jun-2018
17, 15.90, 29.0, 49, 738, 00 , 13:15:03, 22-Jun-2018
18, 37.39, 28.6, 50, 738, 03 , 13:30:03, 22-Jun-2018
19, 16.05, 28.2, 52, 738, 00 , 13:45:03, 22-Jun-2018
20, 18.70, 27.8, 53, 738, 00 , 14:00:03, 22-Jun-2018
21, 24.25, 27.4, 54, 738, 00 , 14:15:03, 22-Jun-2018
22, 41.13, 27.1, 55, 738, 00 , 14:30:03, 22-Jun-2018
23, 37.29, 27.7, 52, 738, 00 , 14:45:03, 22-Jun-2018
24, 28.44, 28.5, 51, 738, 00 , 15:00:03, 22-Jun-2018
25, 24.49, 29.2, 50, 738, 00 , 15:15:03, 22-Jun-2018
26, 34.54, 30.2, 48, 738, 00 , 15:30:03, 22-Jun-2018
27, 17.73, 30.7, 47, 738, 00 , 15:45:03, 22-Jun-2018
28, 17.75, 31.4, 45, 738, 00 , 16:00:03, 22-Jun-2018
29, 18.53, 32.7, 44, 738, 00 , 16:15:03, 22-Jun-2018
30, 9.80, 33.3, 42, 738, 00 , 16:30:03, 22-Jun-2018

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"Tag Number ", 2
"Start Time ", 09:00:03
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"Log Period ", 00:15:00
"Number   ", 31
"CalFactor   ", 1.000000
"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 184.137592
"Max Disp @ ", 11:46:01 22-Jun-2018
"Max STEL   ", 37.645409
"Max STEL @ ", 12:21:13 22-Jun-2018
"Avg point ", 18.225702
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 9.53, 18.6, 50, 738, 00 , 09:15:03, 22-Jun-2018
2, 8.20, 20.6, 45, 738, 00 , 09:30:03, 22-Jun-2018
3, 9.16, 22.7, 41, 738, 00 , 09:45:03, 22-Jun-2018
4, 18.09, 24.1, 38, 738, 00 , 10:00:03, 22-Jun-2018
5, 16.20, 25.4, 37, 738, 00 , 10:15:03, 22-Jun-2018
6, 12.44, 26.4, 36, 738, 00 , 10:30:03, 22-Jun-2018
7, 15.52, 27.4, 35, 738, 00 , 10:45:03, 22-Jun-2018
8, 24.15, 28.1, 35, 738, 00 , 11:00:03, 22-Jun-2018
9, 26.46, 28.7, 35, 738, 00 , 11:15:03, 22-Jun-2018
10, 12.02, 29.2, 35, 738, 00 , 11:30:03, 22-Jun-2018
11, 16.10, 29.3, 36, 738, 00 , 11:45:03, 22-Jun-2018
12, 37.02, 29.1, 38, 738, 00 , 12:00:03, 22-Jun-2018
13, 25.10, 29.5, 38, 738, 01 , 12:15:03, 22-Jun-2018
14, 30.59, 30.6, 40, 738, 03 , 12:30:03, 22-Jun-2018
15, 19.67, 32.0, 39, 738, 00 , 12:45:03, 22-Jun-2018
16, 21.73, 32.3, 38, 738, 00 , 13:00:03, 22-Jun-2018
17, 18.00, 32.6, 38, 738, 00 , 13:15:03, 22-Jun-2018
18, 19.84, 32.1, 39, 738, 00 , 13:30:03, 22-Jun-2018
19, 17.64, 31.0, 40, 738, 00 , 13:45:03, 22-Jun-2018
20, 18.69, 29.5, 44, 738, 00 , 14:00:03, 22-Jun-2018
21, 21.61, 28.2, 46, 738, 00 , 14:15:03, 22-Jun-2018
22, 18.84, 27.4, 48, 738, 00 , 14:30:03, 22-Jun-2018
23, 16.28, 27.2, 49, 738, 00 , 14:45:03, 22-Jun-2018
24, 16.99, 27.5, 49, 738, 00 , 15:00:03, 22-Jun-2018
25, 15.87, 27.7, 49, 738, 00 , 15:15:03, 22-Jun-2018
26, 16.08, 27.9, 48, 738, 00 , 15:30:03, 22-Jun-2018
27, 17.71, 27.9, 48, 738, 00 , 15:45:03, 22-Jun-2018
28, 14.70, 28.1, 48, 738, 00 , 16:00:03, 22-Jun-2018
29, 17.35, 28.6, 47, 738, 00 , 16:15:03, 22-Jun-2018
30, 19.22, 28.6, 46, 738, 00 , 16:30:03, 22-Jun-2018
31, 14.18, 27.9, 48, 738, 00 , 16:45:03, 22-Jun-2018

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"Serial no. ", "0115250140"
"Tag Number ", 2
"Start Time ", 09:00:03
"Start Date ", 22-Jun-2018
"Log Period ", 00:15:00
"Number   ", 31
"CalFactor   ", 1.000000
"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 421.185207
"Max Disp @ ", 12:18:04 22-Jun-2018
"Max STEL   ", 75.866432
"Max STEL @ ", 14:26:03 22-Jun-2018
"Avg point ", 23.958440
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 7.77, 18.6, 54, 738, 01 , 09:15:03, 22-Jun-2018
2, 7.67, 22.4, 45, 738, 00 , 09:30:03, 22-Jun-2018
3, 8.13, 27.0, 37, 738, 00 , 09:45:03, 22-Jun-2018
4, 14.13, 29.7, 33, 738, 00 , 10:00:03, 22-Jun-2018
5, 9.91, 31.6, 30, 738, 00 , 10:15:03, 22-Jun-2018
6, 11.27, 32.3, 30, 738, 00 , 10:30:03, 22-Jun-2018
7, 9.59, 32.4, 30, 738, 00 , 10:45:03, 22-Jun-2018
8, 10.73, 32.1, 32, 738, 00 , 11:00:03, 22-Jun-2018
9, 11.80, 31.1, 34, 738, 00 , 11:15:03, 22-Jun-2018
10, 12.04, 29.9, 38, 738, 00 , 11:30:03, 22-Jun-2018
11, 31.09, 28.8, 41, 738, 00 , 11:45:03, 22-Jun-2018
12, 32.86, 28.4, 44, 738, 00 , 12:00:03, 22-Jun-2018
13, 66.69, 28.8, 44, 738, 01 , 12:15:03, 22-Jun-2018
14, 64.39, 28.9, 45, 738, 00 , 12:30:03, 22-Jun-2018
15, 21.57, 29.4, 45, 738, 00 , 12:45:03, 22-Jun-2018
16, 27.39, 29.1, 45, 738, 00 , 13:00:03, 22-Jun-2018
17, 23.47, 28.6, 47, 738, 00 , 13:15:03, 22-Jun-2018
18, 20.21, 28.3, 47, 738, 00 , 13:30:03, 22-Jun-2018
19, 19.25, 28.3, 48, 738, 00 , 13:45:03, 22-Jun-2018
20, 18.93, 27.9, 49, 738, 00 , 14:00:03, 22-Jun-2018
21, 38.03, 27.5, 50, 738, 00 , 14:15:03, 22-Jun-2018
22, 72.52, 27.3, 51, 738, 00 , 14:30:03, 22-Jun-2018
23, 30.00, 28.0, 49, 738, 00 , 14:45:03, 22-Jun-2018
24, 20.38, 28.7, 47, 738, 00 , 15:00:03, 22-Jun-2018
25, 18.96, 29.0, 47, 738, 00 , 15:15:03, 22-Jun-2018
26, 26.47, 29.4, 46, 738, 00 , 15:30:03, 22-Jun-2018
27, 18.81, 29.7, 45, 738, 00 , 15:45:03, 22-Jun-2018
28, 30.89, 29.8, 45, 738, 00 , 16:00:03, 22-Jun-2018
29, 30.80, 30.5, 44, 738, 00 , 16:15:03, 22-Jun-2018
30, 14.09, 30.7, 43, 738, 00 , 16:30:03, 22-Jun-2018
31, 12.89, 29.6, 45, 738, 00 , 16:45:03, 22-Jun-2018

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"Serial no. ", "0115248865"
"Tag Number ", 2
"Start Time ", 09:00:03
"Start Date ", 22-Jun-2018
"Log Period ", 00:15:00
"Number   ", 30
"CalFactor   ", 1.000000
"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 157.011485
"Max Disp @ ", 16:02:22 22-Jun-2018
"Max STEL   ", 44.324751
"Max STEL @ ", 12:19:13 22-Jun-2018
"Avg point ", 19.005470
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 8.90, 17.7, 51, 738, 01 , 09:15:03, 22-Jun-2018
2, 7.34, 22.0, 43, 738, 00 , 09:30:03, 22-Jun-2018
3, 7.38, 28.6, 30, 738, 00 , 09:45:03, 22-Jun-2018
4, 13.44, 32.0, 25, 736, 00 , 10:00:03, 22-Jun-2018
5, 9.16, 33.2, 23, 736, 00 , 10:15:03, 22-Jun-2018
6, 11.02, 33.2, 24, 736, 00 , 10:30:03, 22-Jun-2018
7, 9.35, 33.0, 25, 736, 00 , 10:45:03, 22-Jun-2018
8, 9.86, 32.5, 27, 736, 00 , 11:00:03, 22-Jun-2018
9, 10.61, 31.5, 29, 736, 00 , 11:15:03, 22-Jun-2018
10, 10.98, 30.2, 32, 736, 00 , 11:30:03, 22-Jun-2018
11, 23.91, 29.1, 34, 736, 00 , 11:45:03, 22-Jun-2018
12, 23.37, 28.3, 39, 736, 00 , 12:00:03, 22-Jun-2018
13, 38.60, 28.8, 38, 736, 00 , 12:15:03, 22-Jun-2018
14, 34.18, 29.2, 37, 736, 00 , 12:30:03, 22-Jun-2018
15, 17.51, 29.7, 38, 736, 00 , 12:45:03, 22-Jun-2018
16, 25.19, 29.8, 37, 736, 00 , 13:00:03, 22-Jun-2018
17, 20.52, 29.7, 38, 736, 00 , 13:15:03, 22-Jun-2018
18, 17.71, 29.5, 39, 736, 00 , 13:30:03, 22-Jun-2018
19, 16.81, 29.3, 39, 736, 00 , 13:45:03, 22-Jun-2018
20, 16.71, 28.8, 41, 736, 00 , 14:00:03, 22-Jun-2018
21, 34.33, 28.4, 43, 736, 00 , 14:15:03, 22-Jun-2018
22, 37.43, 28.4, 43, 736, 00 , 14:30:03, 22-Jun-2018
23, 24.10, 29.0, 40, 736, 00 , 14:45:03, 22-Jun-2018
24, 19.47, 29.4, 39, 736, 00 , 15:00:03, 22-Jun-2018
25, 16.61, 29.7, 39, 736, 00 , 15:15:03, 22-Jun-2018
26, 25.05, 30.1, 39, 736, 00 , 15:30:03, 22-Jun-2018
27, 15.68, 30.3, 39, 736, 00 , 15:45:03, 22-Jun-2018
28, 25.97, 30.4, 38, 736, 00 , 16:00:03, 22-Jun-2018
29, 26.33, 31.0, 38, 736, 00 , 16:15:03, 22-Jun-2018
30, 12.64, 31.2, 37, 736, 00 , 16:30:03, 22-Jun-2018

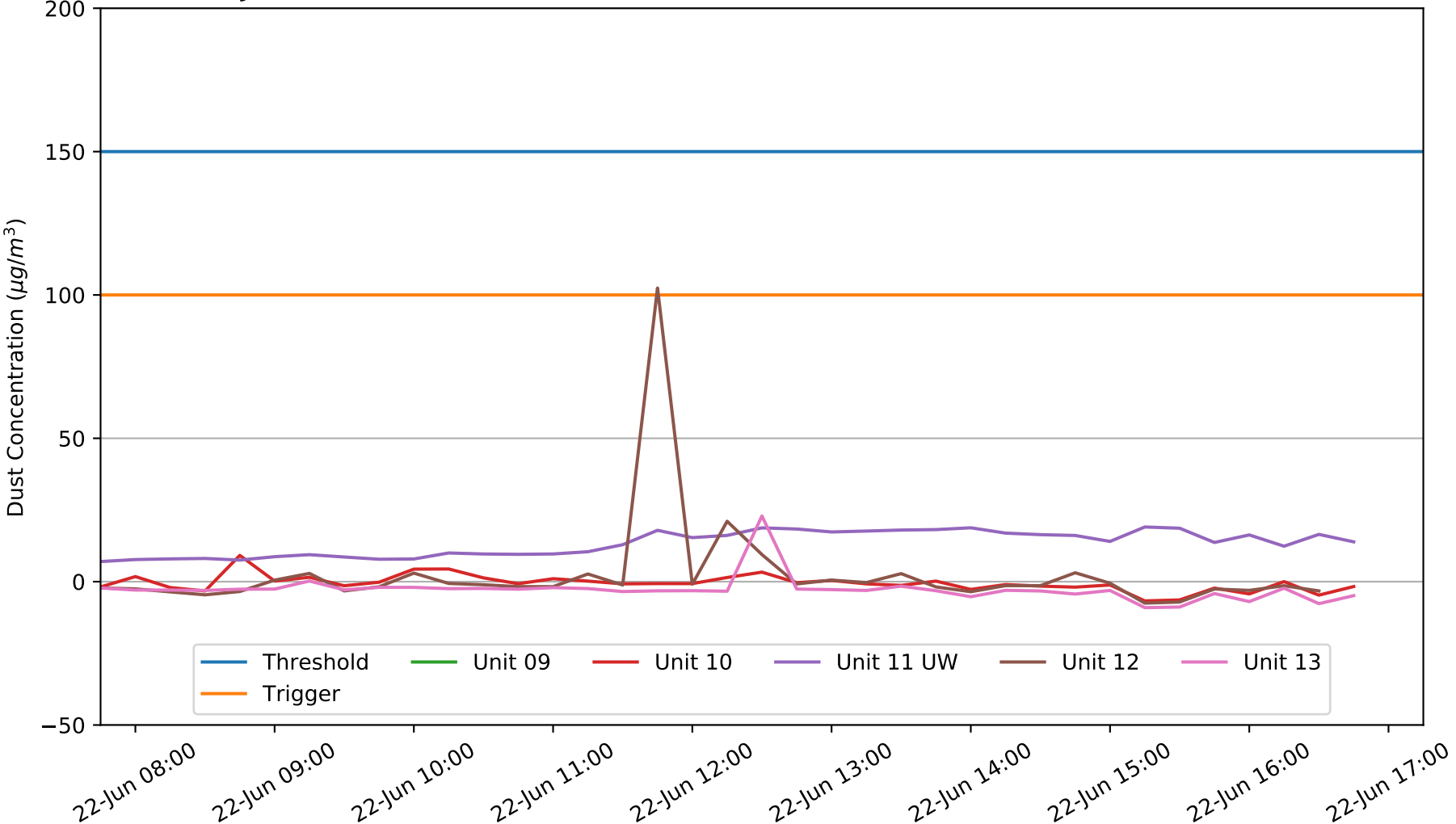
Dust Monitoring Data
MSA 22-Jun-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 09	Unit 12	Unit 13	Unit 11 UW	Unit 10	Threshold	Trigger
2018-06-22 07:45:00		-2.2	-2.19	7.01	-1.85	150	100
2018-06-22 08:00:00		-2.52	-2.93	7.71	1.77	150	100
2018-06-22 08:15:00		-3.56	-2.92	7.94	-2.05	150	100
2018-06-22 08:30:00		-4.59	-3.05	8.09	-3.25	150	100
2018-06-22 08:45:00		-3.43	-2.63	7.53	9.17	150	100
2018-06-22 09:00:00		0.53	-2.59	8.71	0.22	150	100
2018-06-22 09:15:00		2.88	0.23	9.41	1.53	150	100
2018-06-22 09:30:00		-3.22	-2.85	8.6	-1.42	150	100
2018-06-22 09:45:00		-1.8	-1.98	7.82	-0.2	150	100
2018-06-22 10:00:00		2.98	-1.99	7.91	4.37	150	100
2018-06-22 10:15:00		-0.62	-2.44	10	4.42	150	100
2018-06-22 10:30:00		-1.07	-2.36	9.65	1.32	150	100
2018-06-22 10:45:00		-1.74	-2.62	9.53	-0.72	150	100
2018-06-22 11:00:00		-1.75	-2.08	9.66	1.03	150	100
2018-06-22 11:15:00		2.68	-2.41	10.44	0.19	150	100
2018-06-22 11:30:00		-1.17	-3.45	12.89	-0.76	150	100
2018-06-22 11:45:00		102.42	-3.2	17.91	-0.67	150	100
2018-06-22 12:00:00		-0.88	-3.15	15.36	-0.68	150	100
2018-06-22 12:15:00		21.07	-3.33	16.13	1.45	150	100
2018-06-22 12:30:00		9.45	22.92	18.76	3.32	150	100
2018-06-22 12:45:00		-0.79	-2.59	18.36	-0.36	150	100
2018-06-22 13:00:00		0.55	-2.77	17.34	0.43	150	100
2018-06-22 13:15:00		-0.32	-3.07	17.65	-0.77	150	100
2018-06-22 13:30:00		2.8	-1.57	18	-1.3	150	100
2018-06-22 13:45:00		-1.84	-3.16	18.16	0.19	150	100
2018-06-22 14:00:00		-3.51	-5.25	18.79	-2.7	150	100
2018-06-22 14:15:00		-1.38	-3.02	16.93	-1.02	150	100
2018-06-22 14:30:00		-1.39	-3.24	16.4	-1.56	150	100
2018-06-22 14:45:00		3.1	-4.32	16.11	-1.91	150	100
2018-06-22 15:00:00		-0.55	-3.07	14.03	-1.16	150	100
2018-06-22 15:15:00		-7.49	-9.06	19.07	-6.71	150	100
2018-06-22 15:30:00		-7.1	-8.85	18.64	-6.37	150	100
2018-06-22 15:45:00		-2.56	-4.14	13.67	-2.24	150	100
2018-06-22 16:00:00		-3.04	-6.95	16.3	-4.27	150	100
2018-06-22 16:15:00		-1.42	-2.28	12.37	0.02	150	100
2018-06-22 16:30:00		-3.23	-7.67	16.49	-4.7	150	100
2018-06-22 16:45:00			-4.88	13.89	-1.7	150	100
2018-06-22 17:00:00						150	100
2018-06-22 17:15:00						150	100

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 22-Jun-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



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"Log Period ", 00:15:00
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"Max Disp   ", 90.528975
"Max Disp @ ", 17:18:25 22-Jun-2018
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"Max STEL @ ", 17:10:05 22-Jun-2018
"Avg point ", 20.314064
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
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2, 18.35, 28.9, 31, 736, 00 , 17:18:25, 22-Jun-2018

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"Max Disp @ ", 11:41:08 22-Jun-2018
"Max STEL   ", 121.113086
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5, 4.10, 8.1, 73, 738, 00 , 08:45:03, 22-Jun-2018
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7, 12.29, 10.0, 70, 738, 00 , 09:15:03, 22-Jun-2018
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10, 10.89, 13.9, 62, 738, 00 , 10:00:03, 22-Jun-2018
11, 9.38, 15.7, 58, 738, 00 , 10:15:03, 22-Jun-2018
12, 8.58, 17.5, 56, 738, 00 , 10:30:03, 22-Jun-2018
13, 7.79, 19.0, 52, 738, 00 , 10:45:03, 22-Jun-2018
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21, 17.57, 24.4, 49, 738, 01 , 12:45:03, 22-Jun-2018
22, 17.89, 24.0, 49, 738, 01 , 13:00:03, 22-Jun-2018
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32, 11.54, 26.0, 47, 738, 01 , 15:30:03, 22-Jun-2018
33, 11.11, 26.5, 45, 738, 00 , 15:45:03, 22-Jun-2018
34, 13.26, 27.6, 43, 738, 00 , 16:00:03, 22-Jun-2018
35, 10.95, 29.9, 39, 738, 00 , 16:15:03, 22-Jun-2018
36, 13.26, 30.4, 37, 738, 00 , 16:30:03, 22-Jun-2018

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2, 4.78, 11.7, 72, 738, 00 , 08:00:03, 22-Jun-2018
3, 5.02, 11.7, 73, 738, 00 , 08:15:03, 22-Jun-2018
4, 5.04, 12.1, 73, 738, 00 , 08:30:03, 22-Jun-2018
5, 4.90, 12.9, 72, 738, 00 , 08:45:03, 22-Jun-2018
6, 6.12, 13.9, 70, 738, 00 , 09:00:03, 22-Jun-2018
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12, 7.29, 27.4, 43, 738, 00 , 10:30:03, 22-Jun-2018
13, 6.91, 28.9, 41, 738, 00 , 10:45:03, 22-Jun-2018
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22, 14.57, 32.3, 42, 738, 00 , 13:00:03, 22-Jun-2018
23, 14.58, 32.4, 43, 738, 00 , 13:15:03, 22-Jun-2018
24, 16.43, 32.1, 43, 738, 00 , 13:30:03, 22-Jun-2018
25, 15.00, 31.9, 44, 738, 00 , 13:45:03, 22-Jun-2018
26, 13.54, 31.5, 46, 738, 00 , 14:00:03, 22-Jun-2018
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35, 10.09, 37.9, 34, 736, 00 , 16:15:03, 22-Jun-2018
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"Max Disp @ ", 11:42:13 22-Jun-2018
"Max STEL   ", 21.441460
"Max STEL @ ", 15:22:23 22-Jun-2018
"Avg point ", 13.331532
"ALARM   ", "INSTANT "
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4, 8.09, 13.5, 47, 740, 00 , 08:30:03, 22-Jun-2018
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12, 9.65, 24.4, 28, 740, 00 , 10:30:03, 22-Jun-2018
13, 9.53, 25.7, 25, 740, 00 , 10:45:03, 22-Jun-2018
14, 9.66, 26.5, 25, 740, 00 , 11:00:03, 22-Jun-2018
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22, 17.34, 29.4, 27, 740, 00 , 13:00:03, 22-Jun-2018
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32, 18.64, 30.7, 26, 740, 00 , 15:30:03, 22-Jun-2018
33, 13.67, 30.9, 26, 740, 00 , 15:45:03, 22-Jun-2018
34, 16.30, 31.1, 26, 738, 00 , 16:00:03, 22-Jun-2018
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"FlowRate   ", 1.200000
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13, 8.81, 26.0, 35, 738, 00 , 10:45:03, 22-Jun-2018
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15, 10.63, 26.3, 38, 738, 00 , 11:15:03, 22-Jun-2018
16, 12.13, 26.1, 39, 738, 00 , 11:30:03, 22-Jun-2018
17, 17.24, 25.6, 41, 738, 00 , 11:45:03, 22-Jun-2018
18, 14.68, 25.5, 42, 738, 00 , 12:00:03, 22-Jun-2018
19, 17.58, 26.2, 43, 738, 00 , 12:15:03, 22-Jun-2018
20, 22.08, 26.5, 43, 738, 00 , 12:30:03, 22-Jun-2018
21, 18.00, 26.9, 44, 738, 00 , 12:45:03, 22-Jun-2018
22, 17.77, 26.5, 44, 738, 00 , 13:00:03, 22-Jun-2018
23, 16.88, 26.7, 45, 738, 00 , 13:15:03, 22-Jun-2018
24, 16.70, 26.6, 46, 738, 00 , 13:30:03, 22-Jun-2018
25, 18.35, 26.3, 46, 738, 00 , 13:45:03, 22-Jun-2018
26, 16.09, 26.1, 47, 738, 00 , 14:00:03, 22-Jun-2018
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32, 12.27, 27.8, 44, 738, 00 , 15:30:03, 22-Jun-2018
33, 11.43, 27.8, 43, 736, 00 , 15:45:03, 22-Jun-2018
34, 12.03, 28.0, 43, 736, 00 , 16:00:03, 22-Jun-2018
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DAILY OBSERVATION REPORT

Report No.:	17	Project File:	MN0832D	Date:	6/23/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: James Burnett

Site Representative: Ashwin Ranna, Matt Schallinger

Contractor: Recon

Arrive at Site: 0730 hrs. Leave Site: 1800 hrs.

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Cloudy	am	Partly sunny, light intermittent showers.	pm
Temperature:	63° F	am	75° F	pm
Wind Direction:	5.8 SSE	am	10.8 ESE mph	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☒	No ☐	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☐	N/A ☒
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☐	N/A ☒

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 17 Project File: MN0832D Date: 6/23/2018

Materials Imported and Removed from Work Areas

Soil Removal:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported #2 Run of Crusher:

Total Loads today: 0 Total Loads to date:0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported Common Fill:

Total Loads today: 11 Total Loads to date: 66

Weight: 234.78 Tons Total Weight to date: 1397Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0730. Attended Recon safety meeting. Matthew Schallinger and Jim Burnett from Geosyntec on site. Held tailgate safety meeting and reviewed Buddy system. John Geary from Recon on site.
- Surveyor on site. Coordinated with Recon as to location and extent of material based of DWG files. After verifying coordinates in the system Recon was advised to mark out points as per provided shape files and treat physical edge of building as the limit of the excavation. Surveyor marked out the extents of TSCA limits.
- Recon began digging a trench pit along the EHS STCC fence to start placing sheet piling. Spoils generated while excavating were accumulated on RPL behind sheet pile and will be taken offsite as TSCA material. It was observed that the trench pit caused majority of the non haz material in the 0-2 layer to be dug up and Recon confirmed that all material within the sheet piles (including the 0-2 Non Haz) would be taken off site as TSCA. A concrete Pier was excavated during removal of the trench. The pier will be treated as TSCA and loaded out with the other TSCA material.
- Recon implemented barricades along edge of pond to prevent fall hazards. Recon placed a concrete block to support the TSCA pad Sump.
- Geosyntec began collecting confirmatory samples with the hand auger. A mini-excavator (260) was brought to site to excavate material adjacent to the building perimeter. Geosyntec shipped samples at 1400.
- Geosyntec contacted Mike Dunn of EHS about decommissioning roof drains for duration of IRM. Mike said he was okay with the idea if sump pumps placed on roof would automatically start up once water was detected.

PM

- Recon broke for lunch between 1200 and 1230.

Report No.:	17	Project File:	MN0832D	Date:	6/23/2018

- Geosyntec packed and shipped samples. One deeper sample was collected using the mini excavator.
- Sheet piling continued till 1630. Site was shut down at 1645. Dust monitors were collected at 1700. Geosyntec left site at 1800

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- John Geary
- Bill Abraczisnkas
- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Rich Tonnucour
- (Recon labor) X17
- Edger x3(Recon subcontractor Milling)

Equipment and Materials:

- Dozer
- Trailer X4
- Generator X2
- Conex
- Roll off Bin
- GPS equipment for excavation
- Haul truckX2
- Heavy Dozer
- Water truck
- Adler Frac tanksX4
- Concrete blocks
- CAT excavators 4
- Truck washes X2
- Fuel tank
- Sheet piles
- Trenching machine
- Milling machine.
- Mini excavator

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Mike Furlong	Recon	No

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Substantial Completion Date: NA
Completion Date: NA

DAILY OBSERVATION REPORT

Report No.:	17	Project File:	MN0832D	Date:	6/23/2018

ITEMS OF CONCERN:

Although no material was moved in the MSA, one dust monitor showed high readings at the end of day. Monitor was to the NE of the MSA and may have been triggered by trucks on the road. Geosyntec will attempt to recalibrate and monitor that instrument.

Site Representative: Ashwin Ranna Date: 6/23/2018

Name: (*signature*)



:

Report No.: 17 Project File: MN0832D Date: 6/23/2018

Photo Log

Date : 6/23/2018



Pier found at trench for sheet pile



Installing pilot sheet pile



Decon of excavator bucket after sample collection. Sample was collected with hand auger after excavating to required depth.



Site shut down at end of day.

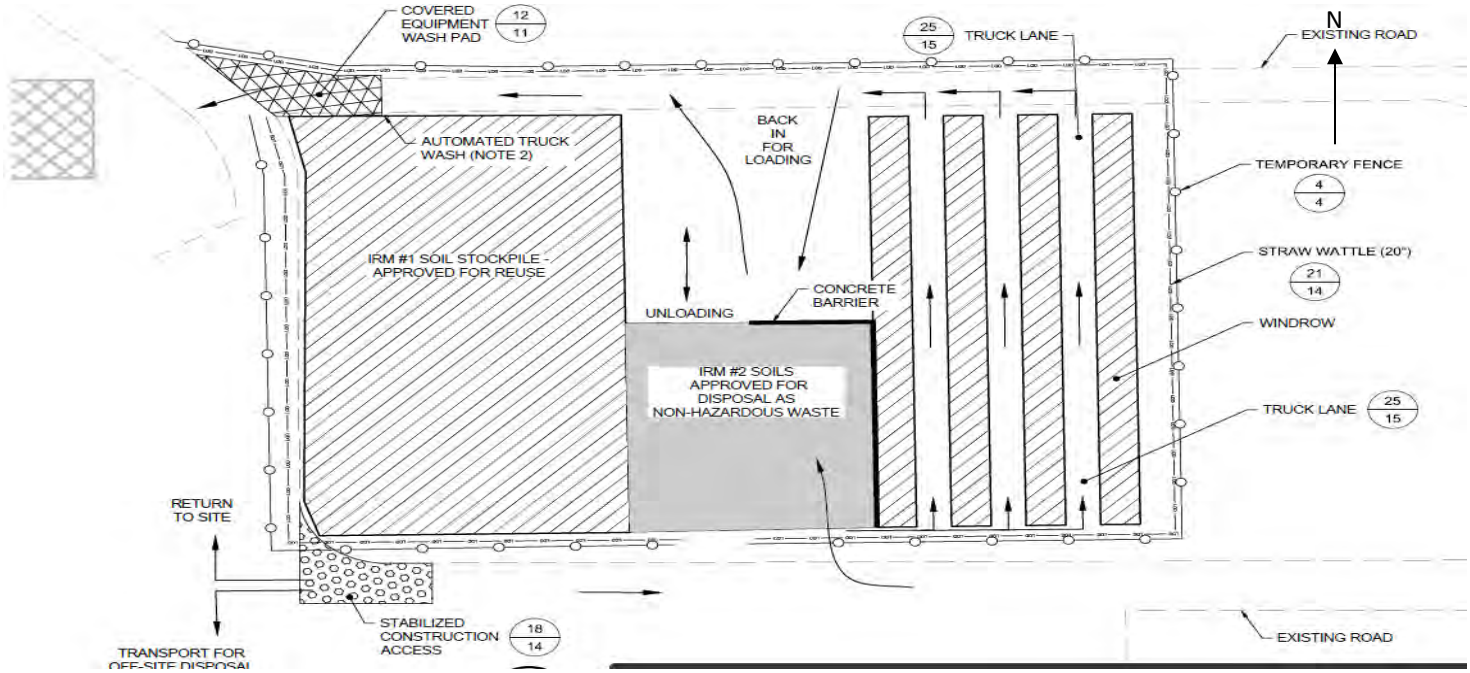
Report No.:	17	Project File:	MN0832D	Date:	6/23/2018

Site Map

Rear Parking Lot



MSA



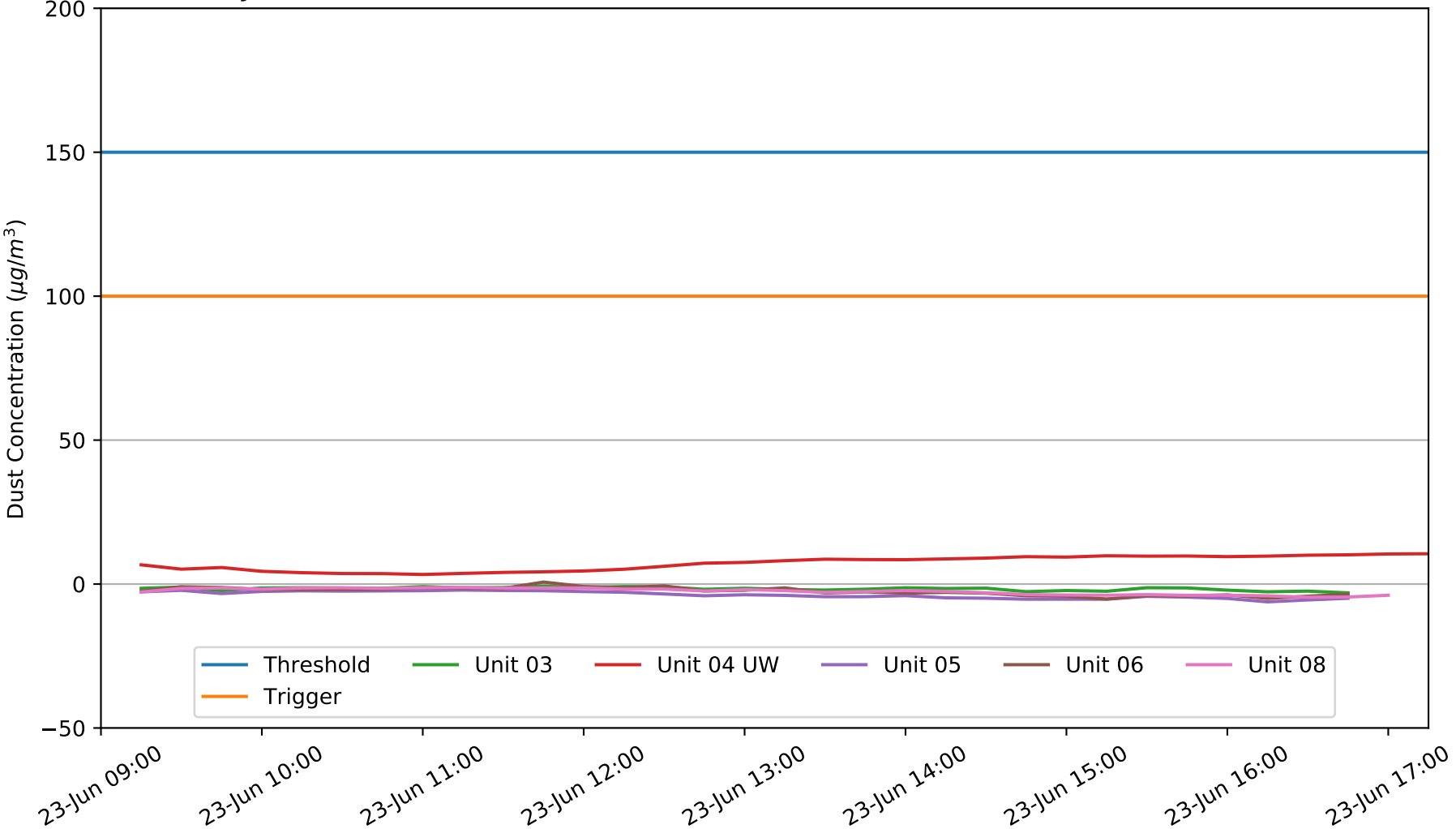
Dust Monitoring Data
RPL 23-Jun-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 04 UW	Unit 03	Unit 05	Unit 08	Unit 06	Threshold	Trigger
2018-06-23 09:00:00						150	100
2018-06-23 09:15:00	6.67	-1.49	-2.71	-2.76	-2.52	150	100
2018-06-23 09:30:00	5.17	-1.04	-2.18	-1.52	-0.95	150	100
2018-06-23 09:45:00	5.74	-2.29	-3.3	-1.38	-1.19	150	100
2018-06-23 10:00:00	4.42	-1.37	-2.56	-1.8	-1.88	150	100
2018-06-23 10:15:00	3.95	-1.27	-2.35	-1.37	-1.86	150	100
2018-06-23 10:30:00	3.65	-1.38	-2.46	-1.28	-1.82	150	100
2018-06-23 10:45:00	3.62	-1.48	-2.38	-1.51	-1.85	150	100
2018-06-23 11:00:00	3.32	-0.89	-2.31	-1.27	-1.28	150	100
2018-06-23 11:15:00	3.7	-1.33	-2.08	-1.15	-1.42	150	100
2018-06-23 11:30:00	4.04	-1.2	-2.25	-1.4	-1.54	150	100
2018-06-23 11:45:00	4.25	-0.76	-2.32	-1.36	0.69	150	100
2018-06-23 12:00:00	4.54	-1.2	-2.62	-1.35	-0.86	150	100
2018-06-23 12:15:00	5.14	-0.87	-2.85	-1.76	-1.24	150	100
2018-06-23 12:30:00	6.17	-0.96	-3.45	-1.75	-0.64	150	100
2018-06-23 12:45:00	7.25	-1.82	-4.07	-2.42	-2.41	150	100
2018-06-23 13:00:00	7.52	-1.46	-3.72	-1.94	-2.16	150	100
2018-06-23 13:15:00	8.12	-1.9	-3.93	-2.29	-1.33	150	100
2018-06-23 13:30:00	8.63	-2.08	-4.4	-2.91	-3.13	150	100
2018-06-23 13:45:00	8.5	-1.79	-4.38	-2.59	-2.72	150	100
2018-06-23 14:00:00	8.46	-1.3	-4.03	-2.26	-3.15	150	100
2018-06-23 14:15:00	8.73	-1.55	-4.79	-2.54	-2.88	150	100
2018-06-23 14:30:00	9.01	-1.43	-4.92	-3.03	-3.17	150	100
2018-06-23 14:45:00	9.51	-2.65	-5.27	-3.65	-4.07	150	100
2018-06-23 15:00:00	9.36	-2.25	-5.26	-3.81	-4.2	150	100
2018-06-23 15:15:00	9.82	-2.5	-5.26	-3.88	-5.21	150	100
2018-06-23 15:30:00	9.69	-1.28	-4.26	-3.67	-4.05	150	100
2018-06-23 15:45:00	9.74	-1.35	-4.54	-3.92	-4.16	150	100
2018-06-23 16:00:00	9.52	-2.12	-4.99	-3.88	-3.76	150	100
2018-06-23 16:15:00	9.7	-2.69	-6.19	-4.08	-4.97	150	100
2018-06-23 16:30:00	10.02	-2.46	-5.52	-4.58	-4.21	150	100
2018-06-23 16:45:00	10.15	-3.07	-4.94	-4.51	-3.56	150	100
2018-06-23 17:00:00	10.44			-3.89		150	100
2018-06-23 17:15:00	10.52					150	100

Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 23-Jun-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



>"Model Number", "PDR-1500", 01.34
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"Log Period ", 00:15:00
"Number   ", 33
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"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 18.015207
"Max Disp @ ", 09:00:43 23-Jun-2018
"Max STEL   ", 10.675682
"Max STEL @ ", 17:05:51 23-Jun-2018
"Avg point ", 7.244426
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 6.67, 20.5, 73, 736, 01 , 09:15:31, 23-Jun-2018
2, 5.17, 21.0, 72, 736, 01 , 09:30:31, 23-Jun-2018
3, 5.74, 21.7, 70, 736, 01 , 09:45:31, 23-Jun-2018
4, 4.42, 21.9, 69, 736, 01 , 10:00:31, 23-Jun-2018
5, 3.95, 22.0, 71, 736, 01 , 10:15:31, 23-Jun-2018
6, 3.65, 22.2, 70, 736, 01 , 10:30:31, 23-Jun-2018
7, 3.62, 22.5, 69, 736, 01 , 10:45:31, 23-Jun-2018
8, 3.32, 22.6, 69, 736, 01 , 11:00:31, 23-Jun-2018
9, 3.70, 22.7, 68, 736, 01 , 11:15:31, 23-Jun-2018
10, 4.04, 22.7, 68, 736, 01 , 11:30:31, 23-Jun-2018
11, 4.25, 22.6, 68, 736, 01 , 11:45:31, 23-Jun-2018
12, 4.54, 22.9, 68, 736, 01 , 12:00:31, 23-Jun-2018
13, 5.14, 23.6, 67, 734, 01 , 12:15:31, 23-Jun-2018
14, 6.17, 24.4, 64, 736, 01 , 12:30:31, 23-Jun-2018
15, 7.25, 25.2, 62, 734, 01 , 12:45:31, 23-Jun-2018
16, 7.52, 25.1, 61, 734, 01 , 13:00:31, 23-Jun-2018
17, 8.12, 25.2, 61, 734, 01 , 13:15:31, 23-Jun-2018
18, 8.63, 25.5, 60, 734, 01 , 13:30:31, 23-Jun-2018
19, 8.50, 25.1, 61, 734, 01 , 13:45:31, 23-Jun-2018
20, 8.46, 25.3, 61, 734, 01 , 14:00:31, 23-Jun-2018
21, 8.73, 26.2, 60, 734, 01 , 14:15:31, 23-Jun-2018
22, 9.01, 27.3, 57, 734, 01 , 14:30:31, 23-Jun-2018
23, 9.51, 28.5, 54, 734, 01 , 14:45:31, 23-Jun-2018
24, 9.36, 29.7, 52, 734, 01 , 15:00:31, 23-Jun-2018
25, 9.82, 30.6, 49, 734, 01 , 15:15:31, 23-Jun-2018
26, 9.69, 30.6, 49, 734, 01 , 15:30:31, 23-Jun-2018
27, 9.74, 29.6, 51, 734, 01 , 15:45:31, 23-Jun-2018
28, 9.52, 29.0, 55, 734, 01 , 16:00:31, 23-Jun-2018
29, 9.70, 30.7, 50, 734, 01 , 16:15:31, 23-Jun-2018
30, 10.02, 31.6, 47, 734, 01 , 16:30:31, 23-Jun-2018
31, 10.15, 30.6, 49, 734, 01 , 16:45:31, 23-Jun-2018
32, 10.44, 29.8, 49, 734, 01 , 17:00:31, 23-Jun-2018
33, 10.52, 30.6, 48, 734, 01 , 17:15:31, 23-Jun-2018

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"Unit   ", 0
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"RH CORRECT ", "ENABLED "
"Max Disp   ", 15.171346
"Max Disp @ ", 15:38:26 23-Jun-2018
"Max STEL   ", 8.898103
"Max STEL @ ", 15:49:10 23-Jun-2018
"Avg point ", 5.401660
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 5.96, 19.5, 76, 736, 01 , 09:13:10, 23-Jun-2018
2, 5.18, 19.9, 75, 736, 00 , 09:28:10, 23-Jun-2018
3, 4.13, 20.6, 74, 736, 00 , 09:43:10, 23-Jun-2018
4, 3.45, 21.0, 72, 736, 00 , 09:58:10, 23-Jun-2018
5, 3.05, 21.2, 71, 736, 00 , 10:13:10, 23-Jun-2018
6, 2.68, 21.4, 72, 736, 00 , 10:28:10, 23-Jun-2018
7, 2.27, 21.5, 70, 736, 00 , 10:43:10, 23-Jun-2018
8, 2.14, 21.5, 70, 736, 00 , 10:58:10, 23-Jun-2018
9, 2.43, 21.7, 70, 734, 00 , 11:13:10, 23-Jun-2018
10, 2.37, 21.8, 70, 734, 00 , 11:28:10, 23-Jun-2018
11, 2.84, 21.8, 70, 734, 00 , 11:43:10, 23-Jun-2018
12, 3.49, 21.9, 69, 734, 00 , 11:58:10, 23-Jun-2018
13, 3.34, 22.4, 67, 734, 00 , 12:13:10, 23-Jun-2018
14, 4.27, 23.4, 65, 734, 00 , 12:28:10, 23-Jun-2018
15, 5.21, 24.1, 62, 734, 00 , 12:43:10, 23-Jun-2018
16, 5.43, 24.3, 62, 734, 00 , 12:58:10, 23-Jun-2018
17, 6.06, 24.4, 61, 734, 00 , 13:13:10, 23-Jun-2018
18, 6.22, 24.8, 60, 734, 00 , 13:28:10, 23-Jun-2018
19, 6.55, 24.5, 61, 734, 00 , 13:43:10, 23-Jun-2018
20, 6.71, 24.3, 62, 734, 00 , 13:58:10, 23-Jun-2018
21, 7.16, 24.9, 61, 734, 00 , 14:13:10, 23-Jun-2018
22, 7.18, 25.7, 60, 734, 00 , 14:28:10, 23-Jun-2018
23, 7.58, 26.5, 58, 734, 00 , 14:43:10, 23-Jun-2018
24, 6.86, 27.2, 56, 734, 00 , 14:58:10, 23-Jun-2018
25, 7.11, 27.9, 54, 734, 00 , 15:13:10, 23-Jun-2018
26, 7.32, 27.9, 54, 734, 00 , 15:28:10, 23-Jun-2018
27, 8.41, 27.1, 56, 734, 00 , 15:43:10, 23-Jun-2018
28, 8.39, 26.7, 58, 734, 00 , 15:58:10, 23-Jun-2018
29, 7.40, 27.3, 57, 732, 00 , 16:13:10, 23-Jun-2018
30, 7.01, 28.1, 55, 734, 00 , 16:28:10, 23-Jun-2018
31, 7.56, 28.1, 54, 734, 00 , 16:43:10, 23-Jun-2018
32, 7.08, 28.2, 54, 734, 00 , 16:58:10, 23-Jun-2018

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"Serial no. ", "0115249979"
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"Start Date ", 23-Jun-2018
"Log Period ", 00:15:00
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"Unit   ", 0
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"RH CORRECT ", "ENABLED "
"Max Disp   ", 40.583663
"Max Disp @ ", 08:54:23 23-Jun-2018
"Max STEL   ", 5.509604
"Max STEL @ ", 09:09:22 23-Jun-2018
"Avg point ", 3.353167
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 5.51, 20.0, 84, 736, 01 , 09:09:22, 23-Jun-2018
2, 3.96, 20.4, 85, 736, 00 , 09:24:22, 23-Jun-2018
3, 2.99, 20.9, 86, 736, 00 , 09:39:22, 23-Jun-2018
4, 2.44, 21.3, 82, 736, 00 , 09:54:22, 23-Jun-2018
5, 1.86, 21.4, 83, 736, 00 , 10:09:22, 23-Jun-2018
6, 1.60, 21.7, 83, 736, 00 , 10:24:22, 23-Jun-2018
7, 1.19, 22.1, 81, 736, 00 , 10:39:22, 23-Jun-2018
8, 1.24, 22.4, 80, 736, 00 , 10:54:22, 23-Jun-2018
9, 1.01, 22.7, 79, 736, 00 , 11:09:22, 23-Jun-2018
10, 1.62, 22.9, 78, 736, 00 , 11:24:22, 23-Jun-2018
11, 1.79, 22.9, 78, 736, 00 , 11:39:22, 23-Jun-2018
12, 1.93, 23.0, 78, 734, 00 , 11:54:22, 23-Jun-2018
13, 1.92, 23.3, 78, 734, 00 , 12:09:22, 23-Jun-2018
14, 2.29, 24.0, 77, 734, 00 , 12:24:22, 23-Jun-2018
15, 2.72, 24.7, 74, 734, 00 , 12:39:22, 23-Jun-2018
16, 3.18, 25.1, 71, 734, 00 , 12:54:22, 23-Jun-2018
17, 3.80, 25.1, 71, 734, 00 , 13:09:22, 23-Jun-2018
18, 4.19, 25.4, 71, 734, 00 , 13:24:22, 23-Jun-2018
19, 4.23, 25.4, 70, 734, 00 , 13:39:22, 23-Jun-2018
20, 4.12, 25.3, 71, 734, 00 , 13:54:22, 23-Jun-2018
21, 4.43, 25.8, 71, 734, 00 , 14:09:22, 23-Jun-2018
22, 3.94, 26.5, 71, 734, 00 , 14:24:22, 23-Jun-2018
23, 4.09, 27.6, 68, 734, 00 , 14:39:22, 23-Jun-2018
24, 4.24, 28.4, 65, 734, 00 , 14:54:22, 23-Jun-2018
25, 4.10, 29.0, 63, 734, 00 , 15:09:22, 23-Jun-2018
26, 4.56, 29.3, 64, 734, 00 , 15:24:22, 23-Jun-2018
27, 5.43, 28.9, 63, 734, 00 , 15:39:22, 23-Jun-2018
28, 5.20, 28.1, 65, 734, 00 , 15:54:22, 23-Jun-2018
29, 4.53, 29.1, 68, 734, 00 , 16:09:22, 23-Jun-2018
30, 3.51, 31.8, 59, 734, 00 , 16:24:22, 23-Jun-2018
31, 4.50, 31.3, 56, 734, 00 , 16:39:22, 23-Jun-2018
32, 5.21, 30.1, 56, 734, 00 , 16:54:22, 23-Jun-2018

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"Start Time ", 08:52:10
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"Number   ", 33
"CalFactor   ", 1.000000
"Unit   ", 0
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"RH CORRECT ", "ENABLED "
"Max Disp   ", 17.139528
"Max Disp @ ", 08:52:35 23-Jun-2018
"Max STEL   ", 7.256816
"Max STEL @ ", 09:07:10 23-Jun-2018
"Avg point ", 4.676065
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 7.26, 18.6, 76, 734, 03 , 09:07:10, 23-Jun-2018
2, 3.91, 19.3, 76, 734, 00 , 09:22:10, 23-Jun-2018
3, 3.65, 20.2, 72, 734, 00 , 09:37:10, 23-Jun-2018
4, 4.36, 21.1, 68, 734, 00 , 09:52:10, 23-Jun-2018
5, 2.62, 21.5, 66, 734, 00 , 10:07:10, 23-Jun-2018
6, 2.58, 21.9, 65, 734, 00 , 10:22:10, 23-Jun-2018
7, 2.37, 22.5, 62, 734, 00 , 10:37:10, 23-Jun-2018
8, 2.11, 22.9, 60, 734, 00 , 10:52:10, 23-Jun-2018
9, 2.05, 23.2, 59, 734, 00 , 11:07:10, 23-Jun-2018
10, 2.55, 23.5, 58, 734, 00 , 11:22:10, 23-Jun-2018
11, 2.64, 23.4, 58, 734, 00 , 11:37:10, 23-Jun-2018
12, 2.89, 23.3, 58, 734, 00 , 11:52:10, 23-Jun-2018
13, 3.19, 23.5, 59, 734, 00 , 12:07:10, 23-Jun-2018
14, 3.38, 24.6, 56, 734, 00 , 12:22:10, 23-Jun-2018
15, 4.42, 26.0, 52, 732, 00 , 12:37:10, 23-Jun-2018
16, 4.83, 26.5, 51, 732, 00 , 12:52:10, 23-Jun-2018
17, 5.58, 26.6, 50, 732, 00 , 13:07:10, 23-Jun-2018
18, 5.83, 27.1, 49, 732, 00 , 13:22:10, 23-Jun-2018
19, 5.72, 27.1, 49, 732, 00 , 13:37:10, 23-Jun-2018
20, 5.91, 26.7, 50, 732, 00 , 13:52:10, 23-Jun-2018
21, 6.20, 27.0, 50, 732, 00 , 14:07:10, 23-Jun-2018
22, 6.19, 27.7, 49, 732, 00 , 14:22:10, 23-Jun-2018
23, 5.98, 28.8, 47, 732, 00 , 14:37:10, 23-Jun-2018
24, 5.86, 29.6, 45, 732, 00 , 14:52:10, 23-Jun-2018
25, 5.55, 30.5, 43, 732, 00 , 15:07:10, 23-Jun-2018
26, 5.94, 31.0, 40, 732, 00 , 15:22:10, 23-Jun-2018
27, 6.02, 30.6, 42, 732, 00 , 15:37:10, 23-Jun-2018
28, 5.82, 29.9, 45, 732, 00 , 15:52:10, 23-Jun-2018
29, 5.64, 29.7, 46, 732, 00 , 16:07:10, 23-Jun-2018
30, 5.62, 30.6, 44, 732, 00 , 16:22:10, 23-Jun-2018
31, 5.44, 30.5, 44, 732, 00 , 16:37:10, 23-Jun-2018
32, 5.64, 30.2, 44, 732, 00 , 16:52:10, 23-Jun-2018
33, 6.55, 30.1, 44, 732, 00 , 17:07:10, 23-Jun-2018

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"Tag Number ", 3
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"Start Date ", 23-Jun-2018
"Log Period ", 00:15:00
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"Unit   ", 0
"Unit Name   ", "ug/m3"
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"RH CORRECT ", "ENABLED "
"Max Disp   ", 28.163733
"Max Disp @ ", 11:53:45 23-Jun-2018
"Max STEL   ", 6.898393
"Max STEL @ ", 13:27:12 23-Jun-2018
"Avg point ", 4.563671
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 5.43, 15.9, 71, 736, 03 , 09:11:32, 23-Jun-2018
2, 4.15, 16.3, 70, 736, 00 , 09:26:32, 23-Jun-2018
3, 4.22, 16.9, 68, 736, 00 , 09:41:32, 23-Jun-2018
4, 4.55, 17.4, 65, 736, 00 , 09:56:32, 23-Jun-2018
5, 2.54, 17.5, 64, 736, 00 , 10:11:32, 23-Jun-2018
6, 2.09, 17.9, 63, 736, 00 , 10:26:32, 23-Jun-2018
7, 1.83, 18.3, 62, 736, 02 , 10:41:32, 23-Jun-2018
8, 1.77, 18.5, 61, 736, 00 , 10:56:32, 23-Jun-2018
9, 2.04, 18.6, 61, 736, 00 , 11:11:32, 23-Jun-2018
10, 2.28, 18.6, 60, 736, 02 , 11:26:32, 23-Jun-2018
11, 2.50, 18.5, 61, 736, 02 , 11:41:32, 23-Jun-2018
12, 4.94, 18.4, 61, 736, 00 , 11:56:32, 23-Jun-2018
13, 3.68, 18.9, 61, 736, 02 , 12:11:32, 23-Jun-2018
14, 3.90, 19.9, 58, 736, 02 , 12:26:32, 23-Jun-2018
15, 5.53, 20.9, 55, 736, 00 , 12:41:32, 23-Jun-2018
16, 4.84, 20.7, 55, 736, 02 , 12:56:32, 23-Jun-2018
17, 5.36, 20.8, 55, 736, 02 , 13:11:32, 23-Jun-2018
18, 6.79, 21.2, 54, 734, 02 , 13:26:32, 23-Jun-2018
19, 5.50, 20.9, 55, 734, 00 , 13:41:32, 23-Jun-2018
20, 5.78, 20.7, 55, 734, 00 , 13:56:32, 23-Jun-2018
21, 5.31, 21.5, 54, 734, 02 , 14:11:32, 23-Jun-2018
22, 5.85, 22.6, 52, 734, 02 , 14:26:32, 23-Jun-2018
23, 5.84, 23.7, 49, 734, 02 , 14:41:32, 23-Jun-2018
24, 5.44, 24.4, 48, 734, 02 , 14:56:32, 23-Jun-2018
25, 5.16, 25.0, 47, 734, 02 , 15:11:32, 23-Jun-2018
26, 4.61, 25.3, 46, 734, 02 , 15:26:32, 23-Jun-2018
27, 5.64, 24.7, 47, 734, 02 , 15:41:32, 23-Jun-2018
28, 5.58, 23.9, 50, 734, 02 , 15:56:32, 23-Jun-2018
29, 5.76, 25.0, 49, 734, 02 , 16:11:32, 23-Jun-2018
30, 4.73, 26.4, 45, 734, 02 , 16:26:32, 23-Jun-2018
31, 5.81, 25.7, 45, 734, 02 , 16:41:32, 23-Jun-2018
32, 6.59, 25.0, 46, 734, 02 , 16:56:32, 23-Jun-2018

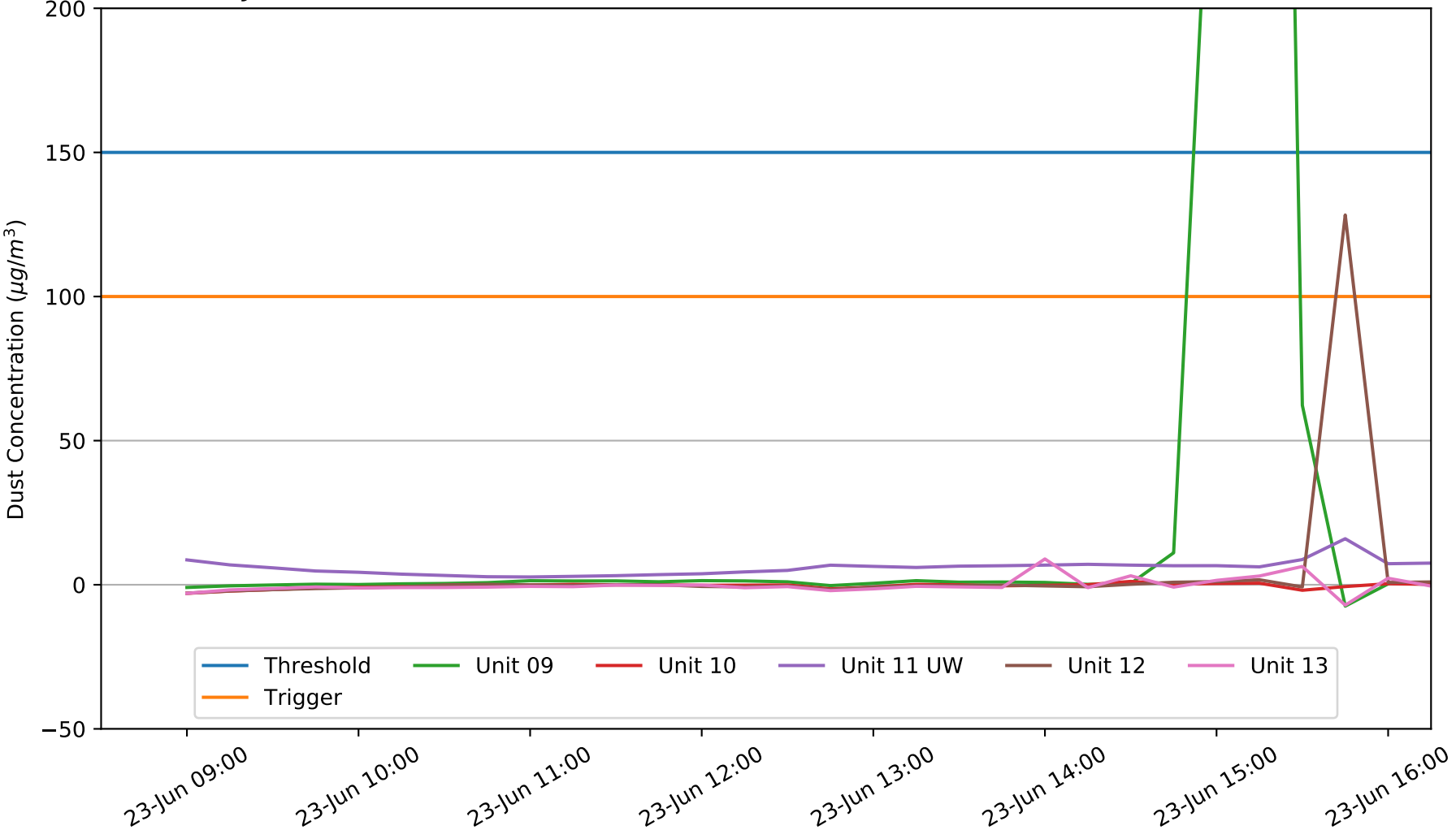
Dust Monitoring Data
MSA 23-Jun-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 11 UW	Unit 13	Unit 12	Unit 10	Unit 09	Threshold	Trigger
2018-06-23 08:30:00						150	100
2018-06-23 08:45:00						150	100
2018-06-23 09:00:00	8.62	-2.99	-2.92	-2.99	-0.94	150	100
2018-06-23 09:15:00	6.89	-1.79	-2.15	-2.2	-0.38	150	100
2018-06-23 09:30:00	5.87	-1.32	-1.69	-1.68	-0.08	150	100
2018-06-23 09:45:00	4.77	-0.76	-1.32	-1.11	0.19	150	100
2018-06-23 10:00:00	4.33	-1.11	-1.07	-0.85	0.08	150	100
2018-06-23 10:15:00	3.68	-0.98	-0.74	-0.64	0.32	150	100
2018-06-23 10:30:00	3.23	-0.96	-0.04	-0.42	0.44	150	100
2018-06-23 10:45:00	2.78	-0.82	0.13	-0.08	0.73	150	100
2018-06-23 11:00:00	2.7	-0.57	-0.05	-0.11	1.4	150	100
2018-06-23 11:15:00	2.91	-0.66	-0.23	0.13	1.31	150	100
2018-06-23 11:30:00	3.15	-0.13	-0.03	-0.05	1.34	150	100
2018-06-23 11:45:00	3.51	-0.25	0.01	-0.02	1.03	150	100
2018-06-23 12:00:00	3.81	-0.12	-0.59	-0.19	1.43	150	100
2018-06-23 12:15:00	4.46	-1.03	-0.73	-0.15	1.33	150	100
2018-06-23 12:30:00	4.98	-0.65	-0.44	-0.08	1.01	150	100
2018-06-23 12:45:00	6.79	-2.04	-1.69	-1.43	-0.3	150	100
2018-06-23 13:00:00	6.37	-1.42	-0.82	-0.79	0.5	150	100
2018-06-23 13:15:00	6	-0.54	-0.35	0.13	1.42	150	100
2018-06-23 13:30:00	6.45	-0.75	-0.34	-0.04	0.89	150	100
2018-06-23 13:45:00	6.6	-0.94	-0.13	-0.37	0.95	150	100
2018-06-23 14:00:00	6.81	8.95	-0.41	-0.2	0.8	150	100
2018-06-23 14:15:00	7.09	-1.02	-0.69	0.02	0.14	150	100
2018-06-23 14:30:00	6.81	3.1	0.16	1.16	0.44	150	100
2018-06-23 14:45:00	6.6	-0.82	0.87	0.25	11.08	150	100
2018-06-23 15:00:00	6.62	1.52	1.09	0.43	308.58	150	100
2018-06-23 15:15:00	6.21	3.03	1.72	0.55	856.83	150	100
2018-06-23 15:30:00	8.74	6.34	-0.77	-1.91	62.26	150	100
2018-06-23 15:45:00	15.97	-7.08	128.29	-0.63	-7.41	150	100
2018-06-23 16:00:00	7.3	2.26	0.8	0.36	0.31	150	100
2018-06-23 16:15:00	7.51	-0.45	0.97	0.14		150	100

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 23-Jun-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



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"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 54.291701
"Max Disp @ ", 15:39:21 23-Jun-2018
"Max STEL   ", 18.675476
"Max STEL @ ", 15:42:39 23-Jun-2018
"Avg point ", 5.918114
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
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2, 6.89, 18.6, 60, 736, 00 , 09:15:59, 23-Jun-2018
3, 5.87, 19.3, 58, 736, 00 , 09:30:59, 23-Jun-2018
4, 4.77, 20.3, 55, 736, 00 , 09:45:59, 23-Jun-2018
5, 4.33, 20.7, 52, 736, 00 , 10:00:59, 23-Jun-2018
6, 3.68, 20.9, 51, 736, 00 , 10:15:59, 23-Jun-2018
7, 3.23, 21.3, 50, 736, 00 , 10:30:59, 23-Jun-2018
8, 2.78, 21.7, 49, 736, 00 , 10:45:59, 23-Jun-2018
9, 2.70, 21.9, 48, 736, 00 , 11:00:59, 23-Jun-2018
10, 2.91, 22.1, 46, 736, 00 , 11:15:59, 23-Jun-2018
11, 3.15, 22.1, 45, 736, 00 , 11:30:59, 23-Jun-2018
12, 3.51, 22.0, 46, 736, 00 , 11:45:59, 23-Jun-2018
13, 3.81, 21.9, 47, 736, 00 , 12:00:59, 23-Jun-2018
14, 4.46, 22.7, 45, 736, 00 , 12:15:59, 23-Jun-2018
15, 4.98, 24.0, 42, 736, 00 , 12:30:59, 23-Jun-2018
16, 6.79, 24.9, 40, 736, 00 , 12:45:59, 23-Jun-2018
17, 6.37, 24.7, 40, 736, 01 , 13:00:59, 23-Jun-2018
18, 6.00, 25.1, 40, 736, 00 , 13:15:59, 23-Jun-2018
19, 6.45, 25.4, 38, 736, 00 , 13:30:59, 23-Jun-2018
20, 6.60, 24.8, 39, 736, 00 , 13:45:59, 23-Jun-2018
21, 6.81, 24.9, 40, 736, 00 , 14:00:59, 23-Jun-2018
22, 7.09, 25.6, 40, 736, 00 , 14:15:59, 23-Jun-2018
23, 6.81, 26.6, 38, 736, 00 , 14:30:59, 23-Jun-2018
24, 6.60, 27.4, 35, 736, 00 , 14:45:59, 23-Jun-2018
25, 6.62, 28.1, 35, 736, 00 , 15:00:59, 23-Jun-2018
26, 6.21, 28.5, 34, 736, 00 , 15:15:59, 23-Jun-2018
27, 8.74, 28.4, 34, 736, 00 , 15:30:59, 23-Jun-2018
28, 15.97, 27.4, 37, 736, 00 , 15:45:59, 23-Jun-2018
29, 7.30, 26.7, 40, 734, 00 , 16:00:59, 23-Jun-2018
30, 7.51, 27.1, 38, 734, 00 , 16:15:59, 23-Jun-2018

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"Log Period ", 00:15:00
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"RH CORRECT ", "ENABLED "
"Max Disp   ", 142.174268
"Max Disp @ ", 13:54:55 23-Jun-2018
"Max STEL   ", 15.917890
"Max STEL @ ", 14:08:23 23-Jun-2018
"Avg point ", 5.945570
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 10.77, 19.7, 80, 734, 01 , 08:45:03, 23-Jun-2018
2, 5.63, 19.9, 82, 734, 03 , 09:00:03, 23-Jun-2018
3, 5.10, 20.2, 79, 734, 00 , 09:15:03, 23-Jun-2018
4, 4.55, 20.4, 78, 734, 00 , 09:30:03, 23-Jun-2018
5, 4.01, 21.1, 74, 734, 00 , 09:45:03, 23-Jun-2018
6, 3.22, 21.5, 73, 734, 00 , 10:00:03, 23-Jun-2018
7, 2.70, 21.7, 72, 734, 00 , 10:15:03, 23-Jun-2018
8, 2.27, 22.0, 71, 734, 00 , 10:30:03, 23-Jun-2018
9, 1.96, 22.4, 70, 734, 00 , 10:45:03, 23-Jun-2018
10, 2.13, 22.9, 69, 734, 00 , 11:00:03, 23-Jun-2018
11, 2.25, 23.1, 68, 734, 00 , 11:15:03, 23-Jun-2018
12, 3.02, 23.0, 67, 734, 00 , 11:30:03, 23-Jun-2018
13, 3.26, 22.9, 68, 734, 00 , 11:45:03, 23-Jun-2018
14, 3.69, 22.8, 68, 734, 00 , 12:00:03, 23-Jun-2018
15, 3.43, 23.3, 67, 734, 00 , 12:15:03, 23-Jun-2018
16, 4.33, 24.3, 64, 734, 00 , 12:30:03, 23-Jun-2018
17, 4.75, 24.8, 63, 734, 00 , 12:45:03, 23-Jun-2018
18, 4.95, 24.6, 63, 734, 00 , 13:00:03, 23-Jun-2018
19, 5.46, 24.8, 63, 732, 00 , 13:15:03, 23-Jun-2018
20, 5.70, 25.0, 62, 732, 00 , 13:30:03, 23-Jun-2018
21, 5.66, 24.6, 63, 732, 00 , 13:45:03, 23-Jun-2018
22, 15.76, 24.6, 64, 732, 00 , 14:00:03, 23-Jun-2018
23, 6.07, 25.4, 63, 732, 00 , 14:15:03, 23-Jun-2018
24, 9.91, 26.6, 61, 732, 00 , 14:30:03, 23-Jun-2018
25, 5.78, 27.7, 58, 732, 00 , 14:45:03, 23-Jun-2018
26, 8.14, 28.4, 56, 732, 00 , 15:00:03, 23-Jun-2018
27, 9.24, 29.0, 55, 732, 00 , 15:15:03, 23-Jun-2018
28, 15.08, 29.2, 54, 732, 00 , 15:30:03, 23-Jun-2018
29, 8.89, 28.7, 56, 732, 00 , 15:45:03, 23-Jun-2018
30, 9.56, 28.2, 58, 732, 00 , 16:00:03, 23-Jun-2018
31, 7.06, 29.4, 55, 732, 00 , 16:15:03, 23-Jun-2018

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"RH CORRECT ", "ENABLED "
"Max Disp   ", 1626.806259
"Max Disp @ ", 15:35:19 23-Jun-2018
"Max STEL   ", 144.351578
"Max STEL @ ", 15:47:43 23-Jun-2018
"Avg point ", 9.974061
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
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2, 5.70, 15.3, 81, 736, 01 , 09:00:03, 23-Jun-2018
3, 4.74, 15.5, 81, 736, 00 , 09:15:03, 23-Jun-2018
4, 4.18, 15.8, 81, 736, 00 , 09:30:03, 23-Jun-2018
5, 3.45, 16.3, 79, 736, 00 , 09:45:03, 23-Jun-2018
6, 3.26, 16.6, 78, 736, 00 , 10:00:03, 23-Jun-2018
7, 2.94, 16.8, 77, 736, 00 , 10:15:03, 23-Jun-2018
8, 3.19, 17.2, 76, 736, 00 , 10:30:03, 23-Jun-2018
9, 2.91, 17.7, 73, 736, 00 , 10:45:03, 23-Jun-2018
10, 2.65, 18.1, 72, 736, 00 , 11:00:03, 23-Jun-2018
11, 2.68, 18.4, 72, 736, 00 , 11:15:03, 23-Jun-2018
12, 3.12, 18.4, 71, 736, 00 , 11:30:03, 23-Jun-2018
13, 3.52, 18.2, 71, 736, 00 , 11:45:03, 23-Jun-2018
14, 3.22, 18.0, 72, 736, 00 , 12:00:03, 23-Jun-2018
15, 3.73, 18.5, 72, 736, 00 , 12:15:03, 23-Jun-2018
16, 4.54, 19.3, 70, 736, 00 , 12:30:03, 23-Jun-2018
17, 5.10, 19.8, 67, 736, 00 , 12:45:03, 23-Jun-2018
18, 5.55, 19.7, 67, 734, 00 , 13:00:03, 23-Jun-2018
19, 5.65, 19.9, 68, 734, 01 , 13:15:03, 23-Jun-2018
20, 6.11, 20.2, 67, 734, 00 , 13:30:03, 23-Jun-2018
21, 6.47, 19.8, 66, 734, 00 , 13:45:03, 23-Jun-2018
22, 6.40, 19.9, 68, 734, 00 , 14:00:03, 23-Jun-2018
23, 6.40, 20.4, 68, 734, 00 , 14:15:03, 23-Jun-2018
24, 6.97, 21.5, 65, 734, 00 , 14:30:03, 23-Jun-2018
25, 7.47, 22.6, 62, 734, 00 , 14:45:03, 23-Jun-2018
26, 7.71, 23.3, 60, 734, 00 , 15:00:03, 23-Jun-2018
27, 7.93, 23.8, 59, 734, 00 , 15:15:03, 23-Jun-2018
28, 7.97, 23.9, 59, 734, 00 , 15:30:03, 23-Jun-2018
29, 144.26, 23.4, 60, 734, 00 , 15:45:03, 23-Jun-2018
30, 8.10, 22.9, 62, 734, 00 , 16:00:03, 23-Jun-2018
31, 8.48, 26.1, 55, 734, 00 , 16:15:03, 23-Jun-2018

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"Max STEL   ", 15.537505
"Max STEL @ ", 15:47:18 23-Jun-2018
"Avg point ", 5.661420
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 10.71, 17.9, 74, 736, 01 , 08:45:18, 23-Jun-2018
2, 5.63, 18.4, 78, 734, 00 , 09:00:18, 23-Jun-2018
3, 4.69, 19.1, 76, 734, 00 , 09:15:18, 23-Jun-2018
4, 4.19, 19.9, 73, 734, 00 , 09:30:18, 23-Jun-2018
5, 3.66, 21.0, 69, 734, 00 , 09:45:18, 23-Jun-2018
6, 3.48, 21.6, 66, 734, 00 , 10:00:18, 23-Jun-2018
7, 3.04, 22.0, 64, 734, 00 , 10:15:18, 23-Jun-2018
8, 2.81, 22.6, 61, 734, 00 , 10:30:18, 23-Jun-2018
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12, 3.10, 23.8, 57, 734, 00 , 11:30:18, 23-Jun-2018
13, 3.49, 23.8, 57, 734, 00 , 11:45:18, 23-Jun-2018
14, 3.62, 23.9, 57, 734, 00 , 12:00:18, 23-Jun-2018
15, 4.31, 24.5, 56, 734, 00 , 12:15:18, 23-Jun-2018
16, 4.90, 25.6, 54, 734, 00 , 12:30:18, 23-Jun-2018
17, 5.36, 26.6, 50, 734, 00 , 12:45:18, 23-Jun-2018
18, 5.58, 26.7, 49, 734, 00 , 13:00:18, 23-Jun-2018
19, 6.13, 26.9, 50, 734, 00 , 13:15:18, 23-Jun-2018
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21, 6.23, 26.7, 49, 734, 00 , 13:45:18, 23-Jun-2018
22, 6.61, 26.7, 50, 734, 00 , 14:00:18, 23-Jun-2018
23, 7.11, 27.5, 50, 734, 00 , 14:15:18, 23-Jun-2018
24, 7.97, 28.6, 48, 734, 00 , 14:30:18, 23-Jun-2018
25, 6.85, 29.6, 46, 732, 00 , 14:45:18, 23-Jun-2018
26, 7.05, 30.4, 44, 732, 00 , 15:00:18, 23-Jun-2018
27, 6.76, 31.0, 43, 732, 00 , 15:15:18, 23-Jun-2018
28, 6.83, 30.9, 43, 732, 00 , 15:30:18, 23-Jun-2018
29, 15.34, 30.0, 45, 732, 00 , 15:45:18, 23-Jun-2018
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31, 7.65, 30.5, 46, 732, 00 , 16:15:18, 23-Jun-2018

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 15:17:38 23-Jun-2018
"Max STEL   ", 864.006710
"Max STEL @ ", 15:27:49 23-Jun-2018
"Avg point ", 46.639571
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
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2, 8.69, 19.6, 68, 734, 00 , 08:57:19, 23-Jun-2018
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5, 5.79, 19.9, 70, 734, 00 , 09:42:19, 23-Jun-2018
6, 4.96, 20.1, 70, 734, 00 , 09:57:19, 23-Jun-2018
7, 4.41, 20.3, 70, 734, 00 , 10:12:19, 23-Jun-2018
8, 4.00, 20.6, 70, 734, 00 , 10:27:19, 23-Jun-2018
9, 3.67, 20.9, 69, 734, 00 , 10:42:19, 23-Jun-2018
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11, 4.10, 21.6, 67, 734, 00 , 11:12:19, 23-Jun-2018
12, 4.22, 21.6, 66, 734, 00 , 11:27:19, 23-Jun-2018
13, 4.49, 21.5, 65, 734, 00 , 11:42:19, 23-Jun-2018
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17, 5.99, 22.8, 63, 732, 00 , 12:42:19, 23-Jun-2018
18, 6.49, 22.8, 62, 732, 00 , 12:57:19, 23-Jun-2018
19, 6.87, 22.9, 62, 732, 00 , 13:12:19, 23-Jun-2018
20, 7.42, 23.1, 62, 732, 00 , 13:27:19, 23-Jun-2018
21, 7.34, 22.9, 62, 732, 00 , 13:42:19, 23-Jun-2018
22, 7.55, 22.9, 62, 732, 00 , 13:57:19, 23-Jun-2018
23, 7.61, 23.4, 62, 732, 00 , 14:12:19, 23-Jun-2018
24, 7.23, 24.1, 62, 732, 00 , 14:27:19, 23-Jun-2018
25, 7.25, 25.0, 60, 732, 00 , 14:42:19, 23-Jun-2018
26, 17.68, 25.7, 58, 732, 00 , 14:57:19, 23-Jun-2018
27, 315.20, 26.2, 57, 732, 00 , 15:12:19, 23-Jun-2018
28, 863.04, 26.4, 56, 732, 00 , 15:27:19, 23-Jun-2018
29, 71.00, 26.2, 56, 732, 00 , 15:42:19, 23-Jun-2018
30, 8.56, 26.0, 56, 732, 00 , 15:57:19, 23-Jun-2018
31, 7.61, 27.6, 58, 732, 00 , 16:12:19, 23-Jun-2018

DAILY OBSERVATION REPORT

Report No.:	18	Project File:	MN0832D	Date:	6/24/2018

Geosyntec consultants

engineers | scientists | innovators

Beech and Bonaparte engineering p.c.

an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: James Burnett

Site Representative: Ashwin Ranna, Matt Schallinger

Contractor: Recon

Arrive at Site: 0730 hrs. Leave Site: 1730 hrs.

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Cloudy	am	Partly sunny, Heavy intermittent showers.	pm
Temperature:	69° F	am	79° F	pm
Wind Direction:	6.9 WSW	am	3.2 N mph	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☐	N/A ☒
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☐	N/A ☒

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 18 Project File: MN0832D Date: 6/24/2018

Materials Imported and Removed from Work Areas

Soil Removal:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported #2 Run of Crusher:

Total Loads today: 0 Total Loads to date:0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported Common Fill:

Total Loads today: 11 Total Loads to date: 66

Weight: 234.78 Tons Total Weight to date: 1397Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0730. Attended Recon safety meeting. Matthew Schallinger and Jim Burnett from Geosyntec on site. Held tailgate safety meeting and reviewed slips trips and falls.
- Recon layed out TSCA and Non TSCA markings on the ground. Sheet piling work was carried out. Recon continued to put up privacy fence and place down silt fence and straw wattle around perimeter of site. Geosyntec calibrated and set up dust monitors across RPL and MSA.
- Recon conveyed to Geosyntec that they would have to dig up the material around the school (Material overlaying TSCA) where one of the vibration monitors were set up .BA of Recon indicated that they would recalibrate the monitor before driving sheet pile close to the school if necessary. Recon indicated that they planned to leave a 2' perimeter of material around the monitor at present and hand dig out the remaining material later. The mini excavator (260) was used to carry out this excavation as it was close to the school walls. Material was loaded into the bucket of the larger Non TSCA excavator and then into a haul truck. Excavated material unloaded on top of Poly on top of TSCA 0-2 material to be characterized. Pile was covered at end of day.
- Geosyntec coordinated with Recon to collect samples for phase 1 and phase 3 material.
- Mike Dunn from EHS called and requested that the front gate of the school be locked shut. AR advised Recon to close the gate and keep it closed behind vehicle movement into and out of the undisturbed section of the parking lot (straw wattle was being brought to line the privacy fence.)

Report No.:	18	Project File:	MN0832D	Date:	6/24/2018

- MS continued sampling while AR set up the TISCH samplers. Samplers were assembled, and calibration was attempted. Issues were observed with the calibration device. Geosyntec will be coordinating with TISCH tomorrow to review the process

PM

- Recon broke for lunch between 1200 and 1230. Site was shut down because of lightning between 1255 and 1335.
- Geosyntec set up the PUF sampler on the roof at 1245. Trial run to collect sample was required as calibration was not working as per protocol
- Non Haz material was sent to the MSA. 7 trucks of material were unloaded at the MSA to be shaped into piles. Material was covered with Poly at the end of the day.
- Post completion of sheet piling NS and EW walls, TSCA material was accumulated behind the sheet pile walls. Trucks moving TSCA took care to stay within TSCA limit. Approximately 350 Cu yds of material was accumulated behind the sheet pile walls. Accumulated material was covered at the end of the day. Recon confirmed that the 0-2(reuse) material where the sheet pile would be going in would be taken out along with the TSCA material.
- Site was shut down and Recon left site at 1430. Geosyntec collected monitors and downloaded data. PUF sample was collected and placed in a sealed bag. No dust exceedances were observed. Samples collected were stored on ice at the end of the day to be shipped tomorrow. Geosyntec Left site at 1730.

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- John Geary
- Bill Abraczisnkas
- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Rich Tonnucour
- (Recon labor) X17
- Edger x3(Recon subcontractor Milling)

Equipment and Materials:

- Dozer
- Trailer X4
- Generator X2
- Conex
- Roll off Bin
- GPS equipment for excavation
- Haul truckX2
- Heavy Dozer
- Water truck
- Adler Frac tanksX4
- Concrete blocks
- CAT excavators 4
- Truck washes X2
- Fuel tank
- Sheet piles
- Trenching machine
- Milling machine.
- Mini excavator

DAILY OBSERVATION REPORT

Report No.: 18 Project File: MN0832D Date: 6/24/2018

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Tim Schneider	DEC	NA
Scott Williams	DEC	NA

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Substantial Completion Date: NA
Completion Date: NA

ITEMS OF CONCERN:

1) TISCH sampler calibration process needs to be verified.

Site Representative: Ashwin Ranna Date: 6/24/2018

Name: (*signature*)



:

Report No.: 18 Project File: MN0832D Date: 6/24/2018

Photo Log

Date : 6/24/2018



Removing TSCA overlay next to building



TSCA and Non TSCA excavators working simultaneously. TSCA Overlay on poly on top of TSCA



Sheet piling in progress



TSCA accumulation

Report No.: 18 Project File: MN0832D Date: 6/24/2018

Photo Log

Date : 6/22/2018



Sheet piling



Straw wattle along edge of privacy fence



Truck wash heading to MSA



Covered piles at the end of day.

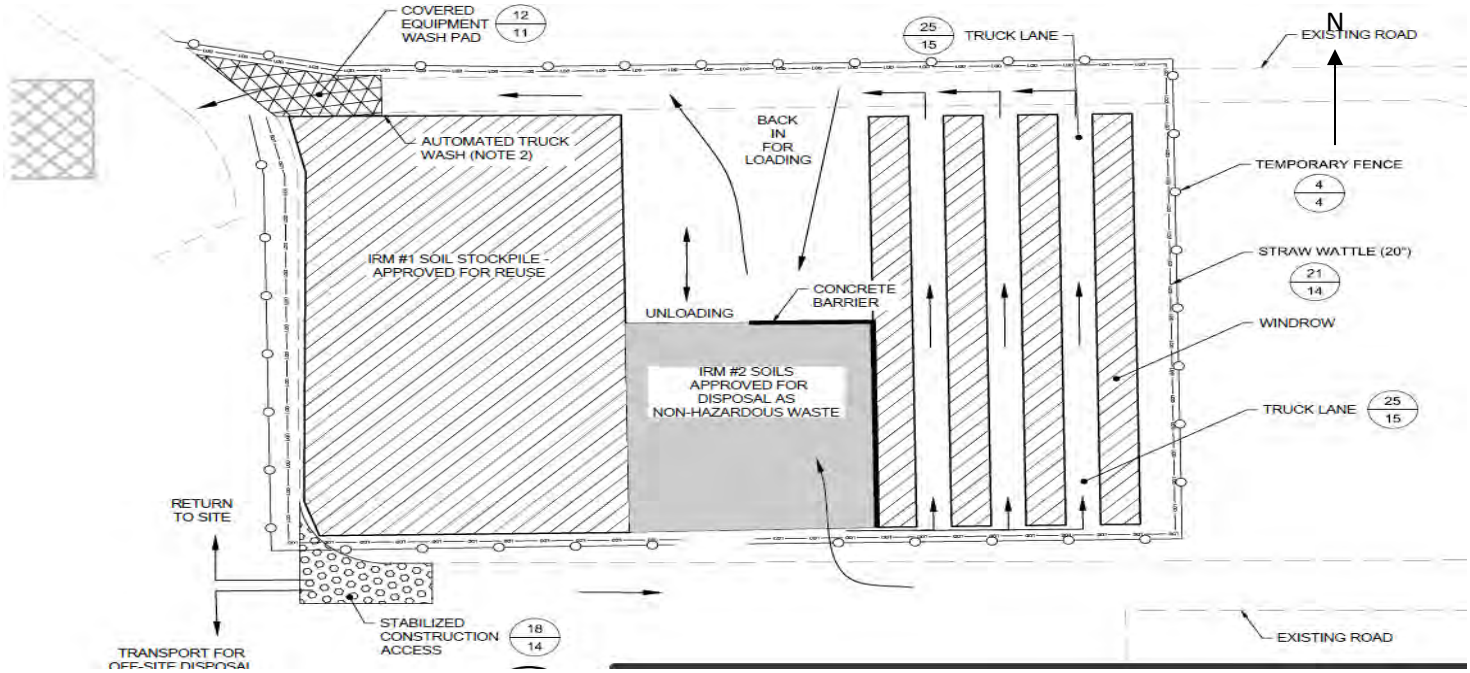
Report No.:	18	Project File:	MN0832D	Date:	6/24/2018

Site Map

Rear Parking Lot



MSA



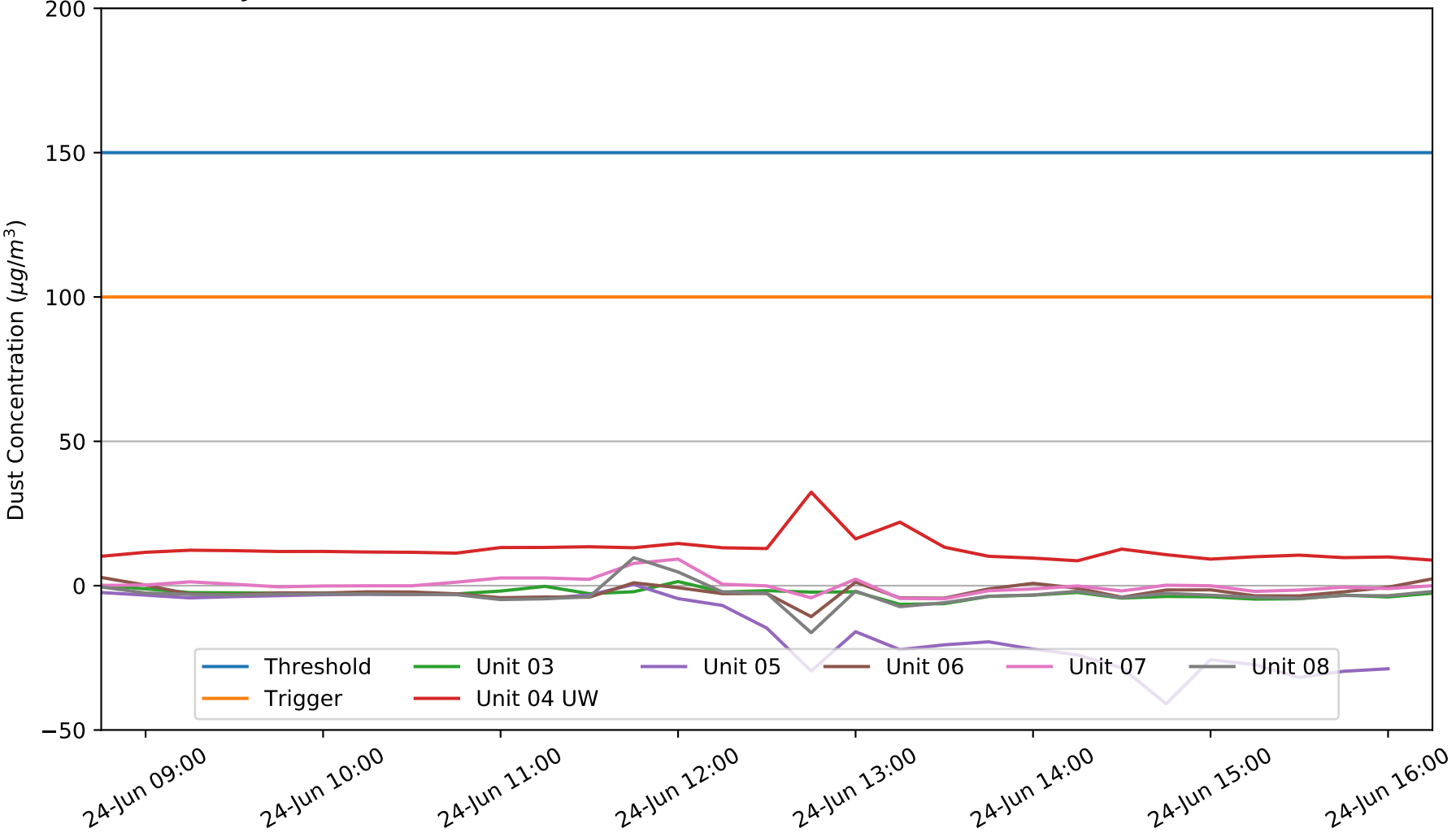
Dust Monitoring Data
RPL 24-Jun-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 05	Unit 06	Unit 08	Unit 03	Unit 07	Unit 04 UW	Threshold	Trigger
2018-06-24 08:45:00	-2.37	2.84	-0.43	0.1	0.09	10.18	150	100
2018-06-24 09:00:00	-3.28	0.19	-2.55	-1.1	0.23	11.56	150	100
2018-06-24 09:15:00	-4.24	-2.9	-3.02	-2.39	1.33	12.28	150	100
2018-06-24 09:30:00	-3.79	-3.11	-3.28	-2.49	0.5	12.13	150	100
2018-06-24 09:45:00	-3.46	-2.49	-2.9	-2.61	-0.41	11.84	150	100
2018-06-24 10:00:00	-3.14	-2.56	-2.91	-2.58	-0.11	11.86	150	100
2018-06-24 10:15:00	-3.01	-2.14	-2.88	-2.55	-0.05	11.66	150	100
2018-06-24 10:30:00	-3.11	-2.19	-3.05	-2.67	-0.04	11.56	150	100
2018-06-24 10:45:00	-2.82	-2.83	-3.13	-2.86	1.2	11.27	150	100
2018-06-24 11:00:00	-4.5	-4.17	-4.81	-1.87	2.67	13.21	150	100
2018-06-24 11:15:00	-4.36	-3.93	-4.55	-0.24	2.67	13.25	150	100
2018-06-24 11:30:00	-3.22	-4	-3.85	-2.77	2.19	13.48	150	100
2018-06-24 11:45:00	0.42	0.99	9.69	-2.1	7.72	13.14	150	100
2018-06-24 12:00:00	-4.48	-0.7	4.74	1.43	9.2	14.62	150	100
2018-06-24 12:15:00	-6.86	-2.77	-2.16	-2.2	0.5	13.13	150	100
2018-06-24 12:30:00	-14.7	-2.7	-2.66	-1.72	-0.07	12.86	150	100
2018-06-24 12:45:00	-29.56	-10.73	-16.28	-2.24	-4.19	32.4	150	100
2018-06-24 13:00:00	-15.95	1.22	-1.88	-2.13	2.26	16.21	150	100
2018-06-24 13:15:00	-22.16	-4.25	-7.27	-6.47	-4.43	22	150	100
2018-06-24 13:30:00	-20.49	-4.34	-5.9	-6.23	-4.54	13.33	150	100
2018-06-24 13:45:00	-19.45	-1.12	-3.64	-3.72	-1.75	10.17	150	100
2018-06-24 14:00:00	-22	0.81	-3.23	-3.29	-1.14	9.55	150	100
2018-06-24 14:15:00	-23.96	-0.86	-1.91	-2.35	-0.09	8.62	150	100
2018-06-24 14:30:00	-28.5	-4	-4.15	-4.31	-1.82	12.67	150	100
2018-06-24 14:45:00	-40.91	-1.49	-2.66	-3.73	0.16	10.73	150	100
2018-06-24 15:00:00	-25.62	-1.45	-3.3	-3.85	-0.03	9.2	150	100
2018-06-24 15:15:00	-27.42	-3.51	-4.02	-4.66	-1.99	10.02	150	100
2018-06-24 15:30:00	-31.82	-3.54	-4.41	-4.54	-1.52	10.57	150	100
2018-06-24 15:45:00	-29.65	-2.13	-3.4	-3.27	-0.53	9.71	150	100
2018-06-24 16:00:00	-28.79	-0.53	-3.48	-3.91	-1.02	9.94	150	100
2018-06-24 16:15:00		2.37	-2.02	-2.62	-0.02	8.84	150	100

Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 24-Jun-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 11:38:04 24-Jun-2018
"Max STEL   ", 13.842648
"Max STEL @ ", 11:52:04 24-Jun-2018
"Avg point ", -1.668092
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"Inlet Type " "TOTAL   "
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3, 8.04, 25.4, 73, 734, 00 , 09:22:34, 24-Jun-2018
4, 8.34, 26.3, 69, 734, 00 , 09:37:34, 24-Jun-2018
5, 8.38, 26.5, 68, 734, 00 , 09:52:34, 24-Jun-2018
6, 8.72, 26.8, 65, 734, 00 , 10:07:34, 24-Jun-2018
7, 8.65, 26.6, 66, 734, 00 , 10:22:34, 24-Jun-2018
8, 8.45, 26.5, 65, 734, 00 , 10:37:34, 24-Jun-2018
9, 8.45, 27.0, 64, 734, 00 , 10:52:34, 24-Jun-2018
10, 8.71, 28.6, 60, 734, 00 , 11:07:34, 24-Jun-2018
11, 8.89, 29.6, 56, 734, 00 , 11:22:34, 24-Jun-2018
12, 10.26, 30.4, 54, 734, 00 , 11:37:34, 24-Jun-2018
13, 13.56, 30.2, 54, 734, 00 , 11:52:34, 24-Jun-2018
14, 10.14, 28.3, 64, 734, 00 , 12:07:34, 24-Jun-2018
15, 6.27, 28.9, 63, 734, 00 , 12:22:34, 24-Jun-2018
16, -1.84, 31.0, 58, 734, 10 , 12:37:34, 24-Jun-2018
17, 2.84, 30.5, 67, 734, 10 , 12:52:34, 24-Jun-2018
18, 0.26, 28.5, 72, 734, 10 , 13:07:34, 24-Jun-2018
19, -0.16, 25.5, 79, 734, 10 , 13:22:34, 24-Jun-2018
20, -7.16, 24.4, 83, 734, 14 , 13:37:34, 24-Jun-2018
21, -9.28, 24.7, 79, 734, 10 , 13:52:34, 24-Jun-2018
22, -12.45, 25.9, 76, 734, 14 , 14:07:34, 24-Jun-2018
23, -15.34, 28.1, 67, 734, 12 , 14:22:34, 24-Jun-2018
24, -15.83, 28.1, 66, 734, 50 , 14:37:34, 24-Jun-2018
25, -30.18, 28.0, 63, 734, 50 , 14:52:34, 24-Jun-2018
26, -16.42, 26.6, 67, 734, 50 , 15:07:34, 24-Jun-2018
27, -17.40, 26.4, 71, 734, 14 , 15:22:34, 24-Jun-2018
28, -21.25, 28.5, 65, 734, 14 , 15:37:34, 24-Jun-2018
29, -19.94, 30.0, 58, 734, 10 , 15:52:34, 24-Jun-2018
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"Max Disp @ ", 12:39:21 24-Jun-2018
"Max STEL   ", 25.611396
"Max STEL @ ", 12:52:06 24-Jun-2018
"Avg point ", 10.514538
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
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1, 13.02, 17.2, 76, 736, 02 , 08:45:36, 24-Jun-2018
2, 11.75, 18.3, 73, 736, 00 , 09:00:36, 24-Jun-2018
3, 9.38, 19.3, 73, 736, 00 , 09:15:36, 24-Jun-2018
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5, 9.35, 20.9, 66, 736, 02 , 09:45:36, 24-Jun-2018
6, 9.30, 21.4, 63, 736, 02 , 10:00:36, 24-Jun-2018
7, 9.52, 22.0, 60, 736, 02 , 10:15:36, 24-Jun-2018
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13, 14.13, 25.8, 50, 736, 02 , 11:45:36, 24-Jun-2018
14, 13.92, 24.7, 56, 736, 02 , 12:00:36, 24-Jun-2018
15, 10.36, 24.7, 61, 736, 02 , 12:15:36, 24-Jun-2018
16, 10.16, 25.4, 61, 736, 02 , 12:30:36, 24-Jun-2018
17, 21.67, 26.9, 55, 736, 02 , 12:45:36, 24-Jun-2018
18, 17.43, 26.0, 61, 736, 02 , 13:00:36, 24-Jun-2018
19, 17.75, 24.9, 62, 736, 02 , 13:15:36, 24-Jun-2018
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24, 8.67, 23.8, 68, 736, 02 , 14:30:36, 24-Jun-2018
25, 9.24, 23.9, 66, 736, 02 , 14:45:36, 24-Jun-2018
26, 7.75, 23.5, 64, 736, 02 , 15:00:36, 24-Jun-2018
27, 6.51, 23.0, 68, 736, 00 , 15:15:36, 24-Jun-2018
28, 7.03, 24.4, 65, 736, 02 , 15:30:36, 24-Jun-2018
29, 7.58, 26.5, 60, 736, 02 , 15:45:36, 24-Jun-2018
30, 9.41, 26.5, 55, 736, 02 , 16:00:36, 24-Jun-2018
31, 11.21, 25.1, 57, 736, 02 , 16:15:36, 24-Jun-2018

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"RH CORRECT ", "ENABLED "
"Max Disp   ", 60.525346
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"Max STEL   ", 28.579628
"Max STEL @ ", 11:51:43 24-Jun-2018
"Avg point ", 9.571445
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
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4, 8.85, 27.8, 56, 734, 00 , 09:30:03, 24-Jun-2018
5, 8.94, 28.7, 53, 734, 00 , 09:45:03, 24-Jun-2018
6, 8.95, 29.2, 50, 734, 00 , 10:00:03, 24-Jun-2018
7, 8.78, 29.7, 48, 734, 00 , 10:15:03, 24-Jun-2018
8, 8.51, 30.1, 46, 734, 00 , 10:30:03, 24-Jun-2018
9, 8.14, 30.5, 44, 734, 00 , 10:45:03, 24-Jun-2018
10, 8.40, 31.6, 42, 734, 00 , 11:00:03, 24-Jun-2018
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27, 6.00, 27.5, 59, 734, 00 , 15:15:03, 24-Jun-2018
28, 6.16, 28.0, 57, 734, 00 , 15:30:03, 24-Jun-2018
29, 6.31, 29.7, 52, 734, 00 , 15:45:03, 24-Jun-2018
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31, 6.82, 29.7, 49, 734, 00 , 16:15:03, 24-Jun-2018

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"Max Disp   ", 128.043461
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"Avg point ", 9.873158
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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
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3, 9.89, 25.6, 67, 734, 00 , 09:16:00, 24-Jun-2018
4, 9.64, 27.2, 62, 734, 00 , 09:31:00, 24-Jun-2018
5, 9.23, 27.3, 62, 734, 00 , 09:46:00, 24-Jun-2018
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7, 9.11, 27.1, 58, 734, 00 , 10:16:00, 24-Jun-2018
8, 8.89, 26.8, 59, 734, 00 , 10:31:00, 24-Jun-2018
9, 8.41, 27.2, 58, 734, 00 , 10:46:00, 24-Jun-2018
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15, 10.93, 29.2, 62, 734, 00 , 12:16:00, 24-Jun-2018
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21, 6.45, 24.9, 79, 734, 00 , 13:46:00, 24-Jun-2018
22, 6.26, 25.0, 76, 736, 00 , 14:01:00, 24-Jun-2018
23, 6.27, 26.6, 72, 734, 00 , 14:16:00, 24-Jun-2018
24, 8.36, 27.4, 67, 734, 00 , 14:31:00, 24-Jun-2018
25, 7.00, 26.7, 67, 736, 00 , 14:46:00, 24-Jun-2018
26, 5.35, 26.1, 67, 734, 00 , 15:01:00, 24-Jun-2018
27, 5.36, 25.0, 72, 734, 00 , 15:16:00, 24-Jun-2018
28, 6.03, 25.8, 69, 734, 00 , 15:31:00, 24-Jun-2018
29, 6.44, 27.1, 65, 734, 00 , 15:46:00, 24-Jun-2018
30, 6.03, 26.9, 63, 734, 00 , 16:01:00, 24-Jun-2018
31, 6.22, 26.2, 65, 736, 00 , 16:16:00, 24-Jun-2018

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"Serial no. ", "0115250204"
"Tag Number ", 6
"Start Time ", 08:30:23
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"Log Period ", 00:15:00
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"Unit   ", 0
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"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 103.034317
"Max Disp @ ", 12:38:27 24-Jun-2018
"Max STEL   ", 29.356370
"Max STEL @ ", 12:51:33 24-Jun-2018
"Avg point ", 12.869443
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 10.27, 21.4, 78, 734, 03 , 08:45:23, 24-Jun-2018
2, 11.79, 23.4, 70, 734, 00 , 09:00:23, 24-Jun-2018
3, 13.61, 25.7, 64, 734, 00 , 09:15:23, 24-Jun-2018
4, 12.63, 27.6, 57, 734, 00 , 09:30:23, 24-Jun-2018
5, 11.43, 27.9, 57, 734, 00 , 09:45:23, 24-Jun-2018
6, 11.75, 28.3, 53, 734, 00 , 10:00:23, 24-Jun-2018
7, 11.61, 28.7, 51, 734, 00 , 10:15:23, 24-Jun-2018
8, 11.52, 28.8, 51, 736, 00 , 10:30:23, 24-Jun-2018
9, 12.47, 29.0, 51, 736, 00 , 10:45:23, 24-Jun-2018
10, 15.88, 30.3, 50, 736, 00 , 11:00:23, 24-Jun-2018
11, 15.92, 32.0, 45, 736, 00 , 11:15:23, 24-Jun-2018
12, 15.67, 32.2, 44, 736, 00 , 11:30:23, 24-Jun-2018
13, 20.86, 32.8, 42, 736, 00 , 11:45:23, 24-Jun-2018
14, 23.82, 31.0, 49, 736, 00 , 12:00:23, 24-Jun-2018
15, 13.63, 30.5, 54, 736, 00 , 12:15:23, 24-Jun-2018
16, 12.79, 30.9, 54, 736, 00 , 12:30:23, 24-Jun-2018
17, 28.21, 32.3, 54, 736, 00 , 12:45:23, 24-Jun-2018
18, 18.47, 30.0, 63, 736, 00 , 13:00:23, 24-Jun-2018
19, 17.57, 28.5, 67, 736, 00 , 13:15:23, 24-Jun-2018
20, 8.79, 26.0, 72, 736, 00 , 13:30:23, 24-Jun-2018
21, 8.42, 26.1, 71, 736, 00 , 13:45:23, 24-Jun-2018
22, 8.41, 26.4, 66, 736, 00 , 14:00:23, 24-Jun-2018
23, 8.53, 27.8, 61, 736, 00 , 14:15:23, 24-Jun-2018
24, 10.85, 29.4, 57, 736, 00 , 14:30:23, 24-Jun-2018
25, 10.89, 29.2, 56, 736, 00 , 14:45:23, 24-Jun-2018
26, 9.17, 28.8, 55, 736, 00 , 15:00:23, 24-Jun-2018
27, 8.03, 27.7, 61, 736, 00 , 15:15:23, 24-Jun-2018
28, 9.05, 28.7, 58, 736, 00 , 15:30:23, 24-Jun-2018
29, 9.18, 30.2, 53, 734, 00 , 15:45:23, 24-Jun-2018
30, 8.92, 30.1, 51, 736, 00 , 16:00:23, 24-Jun-2018
31, 8.82, 29.1, 54, 736, 00 , 16:15:23, 24-Jun-2018

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"Serial no. ", "0115250205"
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"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 126.829374
"Max Disp @ ", 12:38:07 24-Jun-2018
"Max STEL   ", 33.927543
"Max STEL @ ", 12:51:13 24-Jun-2018
"Avg point ", 12.644513
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 10.18, 22.0, 79, 736, 01 , 08:45:03, 24-Jun-2018
2, 11.56, 23.8, 74, 736, 01 , 09:00:03, 24-Jun-2018
3, 12.28, 25.9, 67, 736, 01 , 09:15:03, 24-Jun-2018
4, 12.13, 27.5, 61, 736, 01 , 09:30:03, 24-Jun-2018
5, 11.84, 27.6, 62, 736, 01 , 09:45:03, 24-Jun-2018
6, 11.86, 28.1, 58, 736, 01 , 10:00:03, 24-Jun-2018
7, 11.66, 28.2, 56, 736, 01 , 10:15:03, 24-Jun-2018
8, 11.56, 28.5, 55, 736, 01 , 10:30:03, 24-Jun-2018
9, 11.27, 28.7, 54, 736, 01 , 10:45:03, 24-Jun-2018
10, 13.21, 29.8, 52, 736, 01 , 11:00:03, 24-Jun-2018
11, 13.25, 31.5, 48, 736, 01 , 11:15:03, 24-Jun-2018
12, 13.48, 31.7, 47, 736, 01 , 11:30:03, 24-Jun-2018
13, 13.14, 32.6, 45, 736, 01 , 11:45:03, 24-Jun-2018
14, 14.62, 31.4, 51, 736, 01 , 12:00:03, 24-Jun-2018
15, 13.13, 30.9, 56, 736, 01 , 12:15:03, 24-Jun-2018
16, 12.86, 31.5, 52, 736, 01 , 12:30:03, 24-Jun-2018
17, 32.40, 32.3, 55, 736, 01 , 12:45:03, 24-Jun-2018
18, 16.21, 29.8, 71, 736, 01 , 13:00:03, 24-Jun-2018
19, 22.00, 28.8, 69, 736, 01 , 13:15:03, 24-Jun-2018
20, 13.33, 26.8, 71, 736, 01 , 13:30:03, 24-Jun-2018
21, 10.17, 27.2, 70, 736, 01 , 13:45:03, 24-Jun-2018
22, 9.55, 27.2, 67, 736, 01 , 14:00:03, 24-Jun-2018
23, 8.62, 28.4, 64, 736, 01 , 14:15:03, 24-Jun-2018
24, 12.67, 29.4, 59, 736, 01 , 14:30:03, 24-Jun-2018
25, 10.73, 28.8, 58, 736, 01 , 14:45:03, 24-Jun-2018
26, 9.20, 28.4, 58, 736, 01 , 15:00:03, 24-Jun-2018
27, 10.02, 27.3, 63, 736, 01 , 15:15:03, 24-Jun-2018
28, 10.57, 27.9, 62, 736, 01 , 15:30:03, 24-Jun-2018
29, 9.71, 29.0, 59, 736, 01 , 15:45:03, 24-Jun-2018
30, 9.94, 29.0, 57, 736, 01 , 16:00:03, 24-Jun-2018
31, 8.84, 28.3, 58, 736, 01 , 16:15:03, 24-Jun-2018

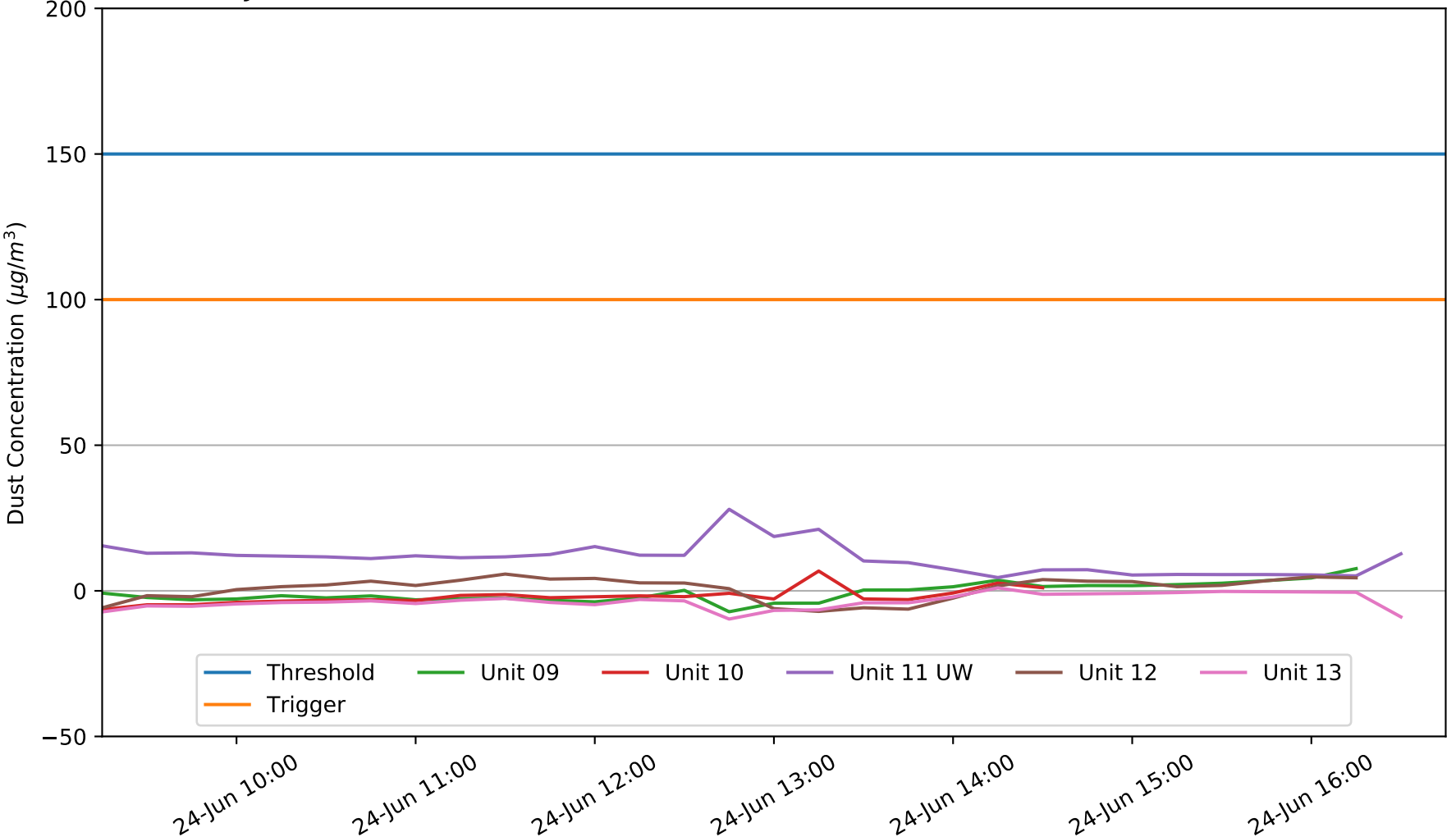
Dust Monitoring Data
MSA 24-Jun-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 12	Unit 11 UW	Unit 13	Unit 10	Unit 09	Threshold	Trigger
2018-06-24 09:15:00	-5.83	15.47	-7.24	-6.43	-0.78	150	100
2018-06-24 09:30:00	-1.66	12.9	-5.18	-4.79	-2.29	150	100
2018-06-24 09:45:00	-2.02	13.05	-5.3	-4.79	-3.08	150	100
2018-06-24 10:00:00	0.43	12.17	-4.5	-3.94	-2.79	150	100
2018-06-24 10:15:00	1.43	11.93	-4.02	-3.54	-1.67	150	100
2018-06-24 10:30:00	2.01	11.66	-3.87	-3.22	-2.41	150	100
2018-06-24 10:45:00	3.32	11.08	-3.45	-3.05	-1.74	150	100
2018-06-24 11:00:00	1.83	12.03	-4.37	-3.35	-3.08	150	100
2018-06-24 11:15:00	3.66	11.37	-3.22	-1.57	-2.69	150	100
2018-06-24 11:30:00	5.76	11.67	-2.6	-1.28	-2.52	150	100
2018-06-24 11:45:00	4.04	12.47	-3.99	-2.36	-3.25	150	100
2018-06-24 12:00:00	4.27	15.2	-4.75	-2.04	-3.78	150	100
2018-06-24 12:15:00	2.74	12.24	-2.96	-1.72	-2.4	150	100
2018-06-24 12:30:00	2.68	12.19	-3.44	-2	0.18	150	100
2018-06-24 12:45:00	0.75	28.01	-9.69	-0.85	-7.18	150	100
2018-06-24 13:00:00	-6.11	18.65	-6.72	-2.8	-4.25	150	100
2018-06-24 13:15:00	-7.06	21.13	-6.54	6.8	-4.24	150	100
2018-06-24 13:30:00	-5.82	10.26	-4.1	-2.78	0.27	150	100
2018-06-24 13:45:00	-6.28	9.69	-4.11	-3.01	0.3	150	100
2018-06-24 14:00:00	-2.5	7.21	-2.09	-0.75	1.4	150	100
2018-06-24 14:15:00	1.68	4.56	1.02	2.65	3.66	150	100
2018-06-24 14:30:00	3.86	7.2	-1.19	1.06	1.48	150	100
2018-06-24 14:45:00	3.32	7.25	-1.03		1.82	150	100
2018-06-24 15:00:00	3.19	5.43	-0.87		1.78	150	100
2018-06-24 15:15:00	1.43	5.63	-0.59		2.14	150	100
2018-06-24 15:30:00	1.87	5.58	-0.2		2.62	150	100
2018-06-24 15:45:00	3.48	5.59	-0.3		3.51	150	100
2018-06-24 16:00:00	4.78	5.47	-0.39		4.42	150	100
2018-06-24 16:15:00	4.47	5.14	-0.49		7.63	150	100
2018-06-24 16:30:00		12.71	-8.95			150	100
2018-06-24 16:45:00						150	100

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 24-Jun-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



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"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 105.825162
"Max Disp @ ", 12:38:34 24-Jun-2018
"Max STEL   ", 28.766356
"Max STEL @ ", 12:45:13 24-Jun-2018
"Avg point ", 11.929606
"ALARM   ", "DISABLED"
"ALARM_LEVEL(mg) ", 0.000000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 9.64, 17.8, 83, 736, 01 , 09:15:03, 24-Jun-2018
2, 11.24, 20.7, 75, 736, 00 , 09:30:03, 24-Jun-2018
3, 11.03, 21.7, 72, 736, 00 , 09:45:03, 24-Jun-2018
4, 12.60, 22.9, 64, 736, 00 , 10:00:03, 24-Jun-2018
5, 13.36, 23.7, 61, 736, 00 , 10:15:03, 24-Jun-2018
6, 13.67, 24.1, 58, 736, 00 , 10:30:03, 24-Jun-2018
7, 14.40, 24.6, 57, 736, 00 , 10:45:03, 24-Jun-2018
8, 13.86, 25.7, 55, 736, 00 , 11:00:03, 24-Jun-2018
9, 15.03, 27.9, 49, 736, 00 , 11:15:03, 24-Jun-2018
10, 17.43, 27.6, 49, 736, 00 , 11:30:03, 24-Jun-2018
11, 16.51, 27.5, 50, 736, 00 , 11:45:03, 24-Jun-2018
12, 19.47, 25.9, 57, 736, 00 , 12:00:03, 24-Jun-2018
13, 14.98, 25.5, 60, 736, 00 , 12:15:03, 24-Jun-2018
14, 14.87, 25.7, 61, 736, 00 , 12:30:03, 24-Jun-2018
15, 28.76, 25.5, 63, 736, 16 , 12:45:03, 24-Jun-2018
16, 12.54, 22.6, 81, 736, 09 , 13:00:03, 24-Jun-2018
17, 14.07, 21.2, 85, 736, 01 , 13:15:03, 24-Jun-2018
18, 4.44, 19.5, 90, 736, 01 , 13:30:03, 24-Jun-2018
19, 3.41, 20.0, 93, 736, 01 , 13:45:03, 24-Jun-2018
20, 4.71, 20.5, 86, 736, 00 , 14:00:03, 24-Jun-2018
21, 6.24, 22.2, 79, 736, 00 , 14:15:03, 24-Jun-2018
22, 11.06, 23.6, 68, 736, 00 , 14:30:03, 24-Jun-2018
23, 10.57, 22.6, 67, 736, 00 , 14:45:03, 24-Jun-2018
24, 8.62, 22.1, 67, 736, 00 , 15:00:03, 24-Jun-2018
25, 7.06, 20.7, 74, 736, 00 , 15:15:03, 24-Jun-2018
26, 7.45, 21.4, 73, 736, 00 , 15:30:03, 24-Jun-2018
27, 9.07, 22.7, 68, 736, 01 , 15:45:03, 24-Jun-2018
28, 10.25, 22.6, 66, 736, 00 , 16:00:03, 24-Jun-2018
29, 9.61, 21.7, 68, 736, 00 , 16:15:03, 24-Jun-2018

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"Tag Number ", 10
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"Log Period ", 00:15:00
"Number   ", 30
"CalFactor   ", 1.000000
"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 95.805864
"Max Disp @ ", 12:38:42 24-Jun-2018
"Max STEL   ", 31.639712
"Max STEL @ ", 12:52:33 24-Jun-2018
"Avg point ", 11.165583
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 15.47, 20.0, 66, 736, 00 , 09:15:03, 24-Jun-2018
2, 12.90, 22.0, 60, 736, 00 , 09:30:03, 24-Jun-2018
3, 13.05, 22.5, 57, 736, 00 , 09:45:03, 24-Jun-2018
4, 12.17, 23.1, 53, 736, 00 , 10:00:03, 24-Jun-2018
5, 11.93, 23.2, 52, 736, 00 , 10:15:03, 24-Jun-2018
6, 11.66, 23.1, 51, 736, 00 , 10:30:03, 24-Jun-2018
7, 11.08, 23.4, 50, 736, 00 , 10:45:03, 24-Jun-2018
8, 12.03, 24.3, 50, 736, 00 , 11:00:03, 24-Jun-2018
9, 11.37, 25.7, 46, 736, 00 , 11:15:03, 24-Jun-2018
10, 11.67, 26.2, 44, 736, 00 , 11:30:03, 24-Jun-2018
11, 12.47, 27.7, 41, 736, 00 , 11:45:03, 24-Jun-2018
12, 15.20, 27.2, 44, 736, 00 , 12:00:03, 24-Jun-2018
13, 12.24, 27.3, 43, 736, 00 , 12:15:03, 24-Jun-2018
14, 12.19, 27.6, 45, 736, 00 , 12:30:03, 24-Jun-2018
15, 28.01, 28.4, 44, 736, 00 , 12:45:03, 24-Jun-2018
16, 18.65, 26.5, 58, 736, 00 , 13:00:03, 24-Jun-2018
17, 21.13, 25.3, 59, 736, 00 , 13:15:03, 24-Jun-2018
18, 10.26, 23.7, 60, 736, 00 , 13:30:03, 24-Jun-2018
19, 9.69, 23.6, 59, 736, 00 , 13:45:03, 24-Jun-2018
20, 7.21, 23.7, 57, 736, 00 , 14:00:03, 24-Jun-2018
21, 4.56, 25.2, 52, 736, 00 , 14:15:03, 24-Jun-2018
22, 7.20, 25.7, 49, 736, 00 , 14:30:03, 24-Jun-2018
23, 7.25, 24.7, 51, 736, 00 , 14:45:03, 24-Jun-2018
24, 5.43, 23.8, 51, 736, 00 , 15:00:03, 24-Jun-2018
25, 5.63, 22.7, 54, 736, 00 , 15:15:03, 24-Jun-2018
26, 5.58, 23.1, 54, 736, 00 , 15:30:03, 24-Jun-2018
27, 5.59, 24.2, 53, 736, 00 , 15:45:03, 24-Jun-2018
28, 5.47, 24.7, 51, 736, 00 , 16:00:03, 24-Jun-2018
29, 5.14, 24.4, 51, 736, 00 , 16:15:03, 24-Jun-2018
30, 12.71, 23.0, 59, 736, 40 , 16:30:03, 24-Jun-2018

>"Model Number", "PDR-1500", 01.34
"Serial no. ", "0115250136"
"Tag Number ", 9
"Start Time ", 09:00:03
"Start Date ", 24-Jun-2018
"Log Period ", 00:15:00
"Number   ", 31
"CalFactor   ", 1.000000
"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 43.740406
"Max Disp @ ", 12:39:25 24-Jun-2018
"Max STEL   ", 19.247862
"Max STEL @ ", 12:52:03 24-Jun-2018
"Avg point ", 7.558405
"ALARM   ", "DISABLED"
"ALARM_LEVEL(mg) ", 0.000000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 8.23, 22.7, 82, 734, 01 , 09:15:03, 24-Jun-2018
2, 7.72, 24.1, 77, 734, 00 , 09:30:03, 24-Jun-2018
3, 7.75, 24.5, 75, 734, 00 , 09:45:03, 24-Jun-2018
4, 7.67, 24.6, 73, 734, 00 , 10:00:03, 24-Jun-2018
5, 7.91, 24.8, 70, 734, 00 , 10:15:03, 24-Jun-2018
6, 7.79, 24.8, 70, 734, 00 , 10:30:03, 24-Jun-2018
7, 7.63, 25.3, 69, 734, 00 , 10:45:03, 24-Jun-2018
8, 7.66, 26.4, 68, 734, 00 , 11:00:03, 24-Jun-2018
9, 8.15, 27.7, 64, 734, 00 , 11:15:03, 24-Jun-2018
10, 9.07, 28.3, 61, 734, 00 , 11:30:03, 24-Jun-2018
11, 8.48, 28.9, 59, 734, 00 , 11:45:03, 24-Jun-2018
12, 10.45, 28.3, 63, 734, 00 , 12:00:03, 24-Jun-2018
13, 9.28, 28.3, 65, 734, 00 , 12:15:03, 24-Jun-2018
14, 8.75, 28.7, 65, 734, 00 , 12:30:03, 24-Jun-2018
15, 18.32, 29.6, 65, 734, 00 , 12:45:03, 24-Jun-2018
16, 11.93, 28.5, 74, 734, 00 , 13:00:03, 24-Jun-2018
17, 14.59, 27.2, 75, 734, 00 , 13:15:03, 24-Jun-2018
18, 6.16, 25.0, 78, 734, 00 , 13:30:03, 24-Jun-2018
19, 5.58, 24.3, 80, 734, 00 , 13:45:03, 24-Jun-2018
20, 5.12, 24.3, 78, 734, 00 , 14:00:03, 24-Jun-2018
21, 5.58, 25.3, 75, 734, 00 , 14:15:03, 24-Jun-2018
22, 6.01, 26.3, 74, 734, 00 , 14:30:03, 24-Jun-2018
23, 6.22, 26.6, 70, 734, 00 , 14:45:03, 24-Jun-2018
24, 4.56, 26.3, 69, 734, 00 , 15:00:03, 24-Jun-2018
25, 5.04, 25.9, 71, 734, 00 , 15:15:03, 24-Jun-2018
26, 5.38, 26.7, 70, 734, 00 , 15:30:03, 24-Jun-2018
27, 5.29, 27.9, 67, 734, 00 , 15:45:03, 24-Jun-2018
28, 5.08, 28.3, 64, 734, 00 , 16:00:03, 24-Jun-2018
29, 4.65, 27.6, 65, 734, 00 , 16:15:03, 24-Jun-2018
30, 3.76, 26.6, 75, 734, 43 , 16:30:03, 24-Jun-2018
31, 4.51, 26.0, 85, 734, 42 , 16:45:03, 24-Jun-2018

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"Serial no. ", "0115248913"
"Tag Number ", 8
"Start Time ", 09:00:56
"Start Date ", 24-Jun-2018
"Log Period ", 00:15:00
"Number   ", 22
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"Unit   ", 0
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"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 70.161591
"Max Disp @ ", 13:14:49 24-Jun-2018
"Max STEL   ", 29.721554
"Max STEL @ ", 12:52:26 24-Jun-2018
"Avg point ", 10.836201
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 9.04, 20.3, 78, 734, 07 , 09:15:56, 24-Jun-2018
2, 8.11, 21.6, 76, 734, 00 , 09:30:56, 24-Jun-2018
3, 8.26, 22.3, 73, 734, 00 , 09:45:56, 24-Jun-2018
4, 8.23, 22.6, 71, 734, 00 , 10:00:56, 24-Jun-2018
5, 8.39, 23.0, 68, 734, 00 , 10:15:56, 24-Jun-2018
6, 8.44, 23.1, 67, 734, 00 , 10:30:56, 24-Jun-2018
7, 8.03, 23.5, 66, 734, 00 , 10:45:56, 24-Jun-2018
8, 8.68, 24.8, 64, 734, 00 , 11:00:56, 24-Jun-2018
9, 9.80, 26.6, 58, 734, 00 , 11:15:56, 24-Jun-2018
10, 10.39, 27.1, 55, 734, 00 , 11:30:56, 24-Jun-2018
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DAILY OBSERVATION REPORT

Report No.:	19	Project File:	MN0832D	Date:	6/25/2018

Geosyntec consultants

engineers | scientists | innovators

Beech and Bonaparte engineering p.c.

an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: James Burnett

Site Representative: Ashwin Ranna, Matt Schallinger

Contractor: Recon

Arrive at Site: 0600hrs. Leave Site: 1845 hrs.

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Overcast	am	Clear and Sunny	pm
Temperature:	57° F	am	73° F	pm
Wind Direction:	4.6 NW	am	12.7 NW	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☐	N/A ☒
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☐	N/A ☒

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 19 Project File: MN0832D Date: 6/25/2018

Materials Imported and Removed from Work Areas

Soil Removal:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Imported #2 Run of Crusher:

Total Loads today: 3 Total Loads to date:3

Weight: 42 Tons Total Weight to date: 42 Tons

Imported #3 Run of Crusher:

Total Loads today: 5 Total Loads to date:5

Weight: 132 Tons Total Weight to date: 132 Tons

Imported Common Fill:

Total Loads today: 11 Total Loads to date: 66

Weight: 234.78 Tons Total Weight to date: 1397 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0600. Attended Recon safety meeting. Matthew Schallinger and Jim Burnett from Geosyntec on site.
- Recon prepared to load out TSCA material from site. TSCA material was collected at the accumulation point and excavator was kept on top of the TSCA pile to load out trucks. Heavy rain had occurred overnight, and sump water was full. Sump pump was not operational.
- Recon requested that they bring in additional stone to line the TSCA loading pad. They required stone as material was rutting under weight of trucks. Recon agreed to expedite providing the aggregate sieve analysis ASAP.
- Three trucks had oversized trailers and could not turn into the truck wash without exiting the TSCA pad. Recon requested permission to Decon on top of the TSCA pad and after discussing with AK water truck was used to Decon the trucks prior to leaving the site. Recon is currently planning to reinstall the truck wash a little further to the NE of its current location to resolve the. They mentioned that they will cancel loading trucks for a day while the truck wash is being shifted.

Report No.:	19	Project File:	MN0832D	Date:	6/25/2018

- A total of 14 trucks were loaded on site between 0745 and 1245. Manifests were signed by Geosyntec.
- Mike Dunn and Dominic Insogna called to review K wing roof. He indicated that the intake air handling units number 7 8 and 9 the Uni vacs for K wing and the cafeteria were turned off for the summer to reduce chances of dust entering the AC system. He reviewed the idea of closing off the roof drains and Jason Plumley subsequently came to site and advised Recon that it would be prudent to run the sump pumps handling stormwater accumulation on the roof to drain into the storm sewer at the back of the K wing.
- AR and MS calibrated the dust monitors and set up both the MSA and RPL monitors. 3 units were damaged in the rain during yesterdays showers. Spare units were used in place of these units. Some units were troubleshot during the day and added to the respective locations to maintain continuity.
- MS continued working on confirmatory samples while AR set up and calibrated TISCH samplers. JB was manifesting the trucks and inspecting them prior to leaving site.
- DEC arrived on site at 1130.TS observed the last truck being loaded and noticed that the excavator was swinging over the Silt fence and was dropping material over the fence onto STCC property (outside the bounds of the TSCA pad. Recon was advised to stop swinging the bucket in that direction and not overfill the bucket to ensure that material did not spill over. TS recommended that the material on the far side of the fence be treated as TSCA and be scraped up along with the TSCA loading pad to at least a depth of 6" at the time of removal of the TSCA pad. TS said that he was expecting that the sheet pile would be spread further along the EHS STCC property to provide a proper barricade to the accumulated TSCA material from entering the pond. Recon assured him that the material delivery of sheet piles was the cause of not completing the EHS/STCC fence and that that was the first ting they would complete with the sheet pile scheduled to arrive today. Sheet pile was currently not delivered at end of day and is now expected sometime tomorrow (6/26/2018). TS was also concerned about exclusion zones within the rear parking lot and recommended installing physical barriers as well as boot washes along the perimeter of all excavation areas. Recon has started marking out the required zones and will be providing pin flags and boot washes to ensure that TSCA and non TSCA areas are kept separate. He further recommended that a steel fence be placed down to the North around the around the TSCA accumulation area to provide a separation between the TSCA material and the rest of the site until the sheet pile in that section was installed. Recon completed installation of that fence material at the end of the day. He also observed some material fallen on the ground and over the sump of the TSCA loading pad. He recommended that any material visible be scraped up and added to the TSCA pile. He also recommended that Dust monitors and 1 sampler be placed downwind of the TSCA loading area, especially if the wind was blowing north to south across the loading area. TS inquired about the NS extent of the sheet pile and wanted to know the demarcation layer being put at the 2' excavation between the school and the sheet pile.

PM

- Recon broke for lunch between 1200 and 1230
- Geosyntec completed calibration and set up PUF samplers at 3 locations. (upwind /Downwind and at air intake)
- Recon continued to excavate Non haz material and ship it to the MSA. SW arrived on site at 1445. He talked to Bill A about Tim's observations in the morning and reviewed the site progress and sampling. He reiterated that the TSCA material should be cleaned up asap. He said he would be back on site in the morning and would be visiting the site regularly going forward. AR confirmed to SW that the backfill for the area next to the school wall up till the sheet pile would be separated by geotextile followed by demarcation layer of orange fabric.
- Recon had reached a useful stopping point and sent most of the crew off at 1500. A skeleton crew remained behind to place stone on top of the road (on top of geotextile liner), compact the MSA and unload some trucks that had arrived on site an excavator and additional blocks were brought to site. Recon closed site and left at 1730.
- JB was feeling sick and left site at 1600. Recon surveyed out the locations for the 2-4 excavations on site.
- AR and MS remained on site collect dust monitoring data, TISCH samples and pack and ship Delineation samples collected. MS left site at 1745 to drop off samples. AR completed site shut down and dust monitors downloads and left site at 1845. Samples were shipped at 1845.No dust monitoring exceedances were observed.

Report No.: 19 Project File: MN0832D Date: 6/25/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Rich Tonnucour
- (Recon labor) X17
- Seth (Hunt Survey for Recon)

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- 8x40 Office Trailer
- Portable Toilets
- Hand Wash Stations
- ST-197 Dodge Ram Work Truck
- 8x20 Storage Box
- Trimble GPS System (Base, Rover, Data Collector)
- 8x20 Office Trailer
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 Containments
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Vibratory Hammer
- Roller
- Site F250

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Mike Dunn	EHS	No
Dom Insogna	EHS	No
Tim Schneider	DEC	Yes
Scott Williams	DEC	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Substantial Completion Date: NA
Completion Date: NA

ITEMS OF CONCERN:

Site Representative: Ashwin Ranna Date: 6/25/2018

Report No.: 19 Project File: MN0832D Date: 6/25/2018

Name: (*signature*)



:

Report No.: 19 Project File: MN0832D Date: 6/25/2018

Photo Log

Date : 6/25/2018



Excavating non Haz material to reveal TSCA material below



Loading of TSCa trucks



Site survey to lay out 2-4 layer



Stone material brought to stabilzie TSCA pad

Report No.: 19 Project File: MN0832D Date: 6/25/2018

Photo Log

Date : 6/25/2018



TISCH sampler at downwind location



Barricade placed around excavated sampling pit



Sump dewatered at end of day



Stone placed out around muddy corner of road.

Report No.:	19	Project File:	MN0832D	Date:	6/25/2018

Photo Log

Date : 6/25/2018

	
TSCA pile covered and steel barricade installed	MSA non haz material covered

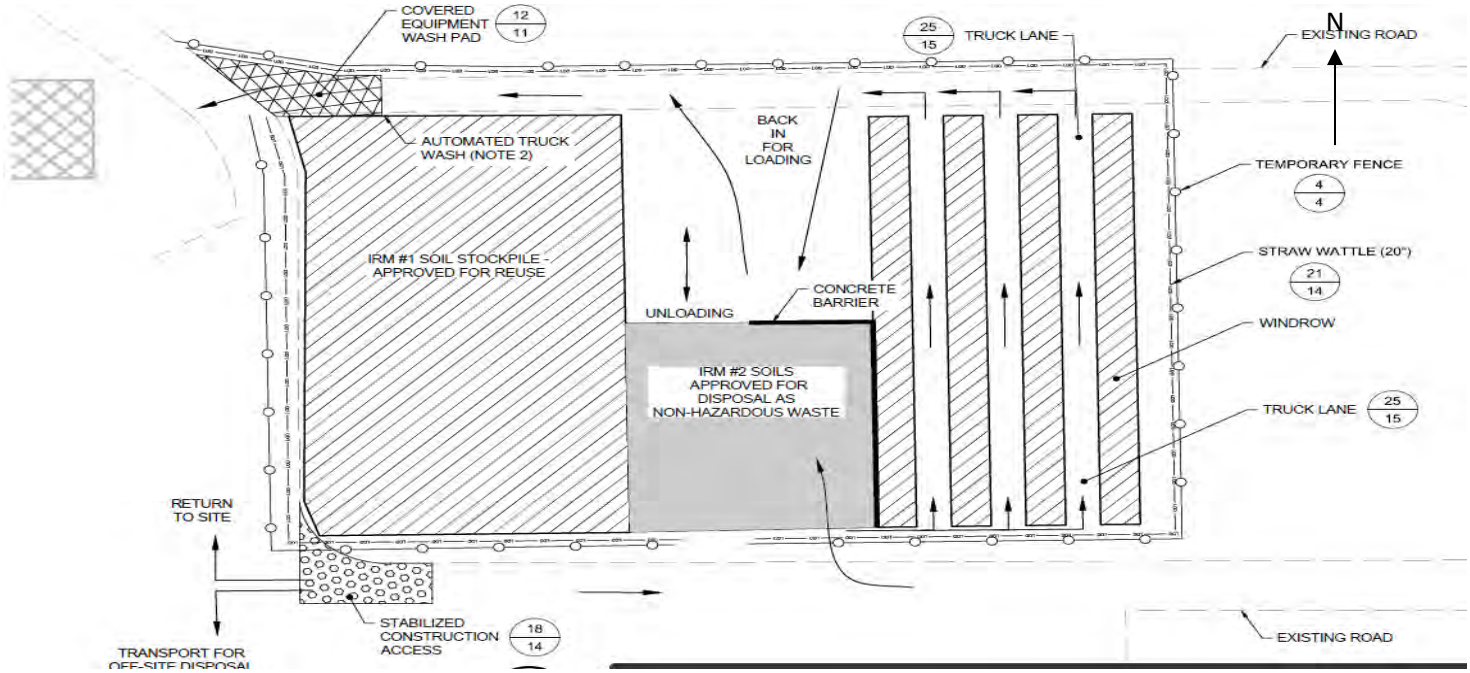
Report No.:	19	Project File:	MN0832D	Date:	6/25/2018

Site Map

Rear Parking Lot



MSA



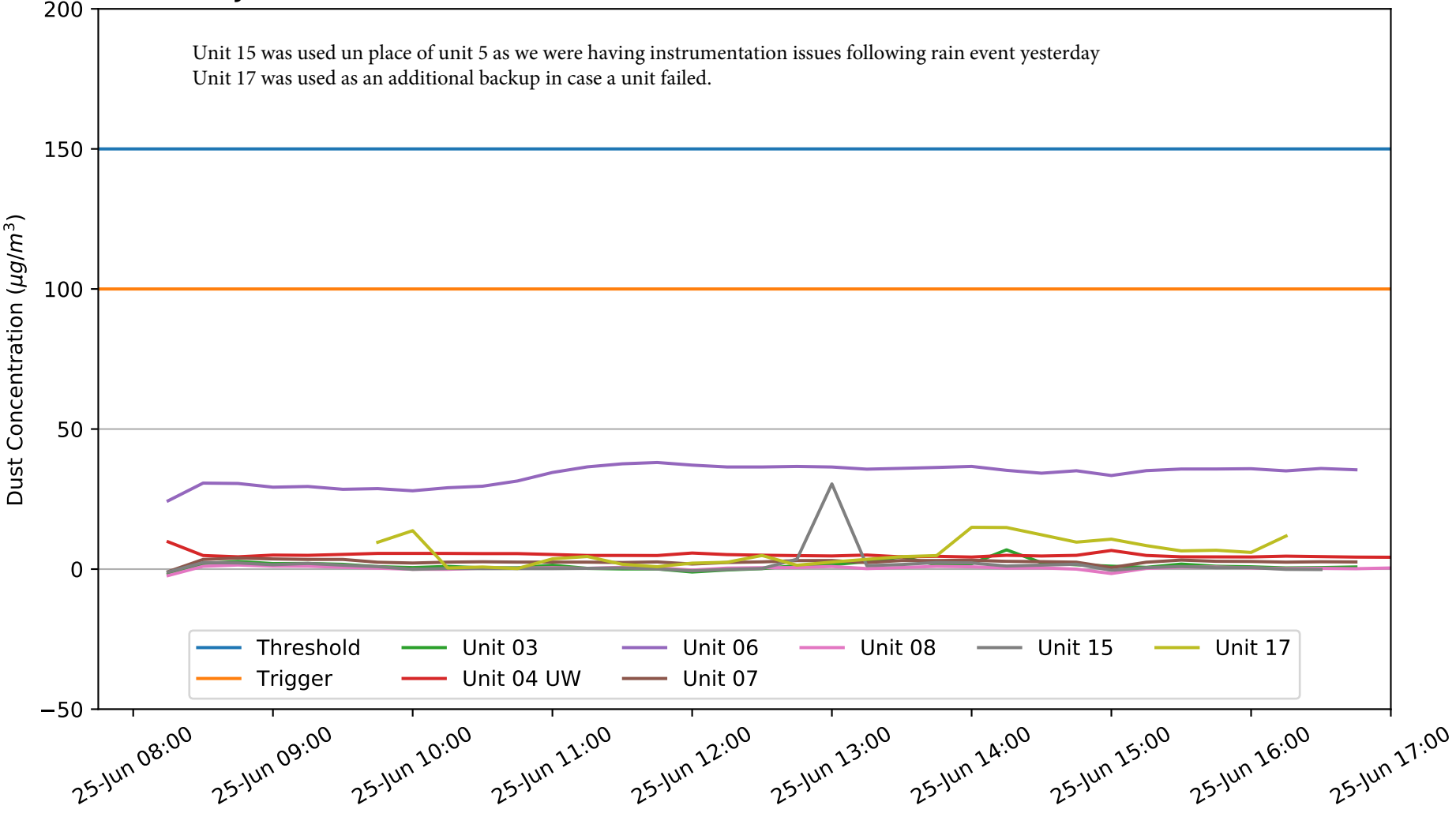
Dust Monitoring Data
RPL 25-Jun-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 07	Unit 15	Unit 06	Unit 03	Unit 04 UW	Unit 17	Unit 08	Threshold	Trigger
2018-06-25 07:45:00								150	100
2018-06-25 08:00:00								150	100
2018-06-25 08:15:00	-0.91	-1.02	24.39	-1.72	9.74		-2.3	150	100
2018-06-25 08:30:00	3.44	2.32	30.7	1.98	4.86		1	150	100
2018-06-25 08:45:00	3.94	2.22	30.57	2.73	4.39		1.46	150	100
2018-06-25 09:00:00	3.64	1.57	29.25	1.97	5.01		1.05	150	100
2018-06-25 09:15:00	3.46	2.04	29.5	2.02	4.92		1.04	150	100
2018-06-25 09:30:00	3.46	1.4	28.49	1.71	5.25		0.65	150	100
2018-06-25 09:45:00	2.45	0.88	28.73	0.88	5.61	9.58	0.34	150	100
2018-06-25 10:00:00	2.17	-0.08	27.96	0.54	5.61	13.72	-0.05	150	100
2018-06-25 10:15:00	2.48	0.23	29.05	0.97	5.6	0.41	-0.06	150	100
2018-06-25 10:30:00	2.62	0.19	29.59	0.46	5.54	0.76	0.35	150	100
2018-06-25 10:45:00	2.5	0.2	31.46	0.48	5.54	0.2	0.33	150	100
2018-06-25 11:00:00	2.5	0.19	34.5	1.39	5.22	3.66	0.51	150	100
2018-06-25 11:15:00	2.49	0.28	36.5	0.27	4.88	4.49	0.28	150	100
2018-06-25 11:30:00	2.35	0.41	37.59	0.06	4.88	1.72	0.65	150	100
2018-06-25 11:45:00	2.56	0.07	38.06	0.06	4.85	0.87	0.46	150	100
2018-06-25 12:00:00	1.82	-0.6	37.12	-1.03	5.74	2.13	-0.35	150	100
2018-06-25 12:15:00	2.36	-0.12	36.46	-0.3	5.18	2.45	0.36	150	100
2018-06-25 12:30:00	2.58	0.22	36.46	0.18	4.97	4.86	0.51	150	100
2018-06-25 12:45:00	3.04	3.53	36.65	1.25	4.82	1.39	0.57	150	100
2018-06-25 13:00:00	3.06	30.42	36.45	1.59	4.7	2.52	0.94	150	100
2018-06-25 13:15:00	2.34	1.22	35.68	2.65	5.03	3.5	0.19	150	100
2018-06-25 13:30:00	3.06	1.64	35.97	4.39	4.36	4.45	0.56	150	100
2018-06-25 13:45:00	3.05	2.35	36.29	1.51	4.57	4.83	0.99	150	100
2018-06-25 14:00:00	3.16	2.19	36.66	1.92	4.3	14.92	0.83	150	100
2018-06-25 14:15:00	2.77	1.1	35.26	6.88	4.93	14.85	0.37	150	100
2018-06-25 14:30:00	2.66	1.42	34.24	2.3	4.68	12.25	0.44	150	100
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2018-06-25 16:00:00	2.73	0.55	35.84	0.83	4.33	5.96	0.43	150	100
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2018-06-25 16:30:00	2.62	-0.15	35.93	0.54	4.46		0.27	150	100
2018-06-25 16:45:00	2.55		35.46	0.77	4.29		0.15	150	100
2018-06-25 17:00:00					4.23		0.41	150	100

Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 25-Jun-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



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3, 7.18, 18.7, 66, 742, 00 , 08:44:10, 25-Jun-2018
4, 6.61, 18.4, 67, 742, 00 , 08:59:10, 25-Jun-2018
5, 6.58, 18.4, 67, 742, 00 , 09:14:10, 25-Jun-2018
6, 6.96, 18.4, 67, 742, 00 , 09:29:10, 25-Jun-2018
7, 6.65, 18.6, 67, 742, 00 , 09:44:10, 25-Jun-2018
8, 6.49, 19.1, 66, 742, 00 , 09:59:10, 25-Jun-2018
9, 5.53, 19.5, 64, 742, 00 , 10:14:10, 25-Jun-2018
10, 5.83, 20.0, 64, 742, 00 , 10:29:10, 25-Jun-2018
11, 5.73, 20.5, 61, 742, 00 , 10:44:10, 25-Jun-2018
12, 5.74, 21.0, 57, 742, 00 , 10:59:10, 25-Jun-2018
13, 5.41, 21.5, 49, 742, 00 , 11:14:10, 25-Jun-2018
14, 5.16, 21.9, 46, 742, 00 , 11:29:10, 25-Jun-2018
15, 5.29, 22.2, 44, 742, 00 , 11:44:10, 25-Jun-2018
16, 4.92, 22.4, 43, 742, 00 , 11:59:10, 25-Jun-2018
17, 5.14, 22.5, 43, 742, 00 , 12:14:10, 25-Jun-2018
18, 5.06, 22.7, 43, 742, 00 , 12:29:10, 25-Jun-2018
19, 5.19, 22.7, 44, 742, 00 , 12:44:10, 25-Jun-2018
20, 8.35, 22.8, 43, 742, 00 , 12:59:10, 25-Jun-2018
21, 35.12, 23.0, 42, 742, 00 , 13:14:10, 25-Jun-2018
22, 6.25, 23.1, 40, 742, 00 , 13:29:10, 25-Jun-2018
23, 6.00, 23.2, 41, 742, 00 , 13:44:10, 25-Jun-2018
24, 6.92, 23.3, 40, 742, 00 , 13:59:10, 25-Jun-2018
25, 6.49, 23.4, 39, 742, 00 , 14:14:10, 25-Jun-2018
26, 6.03, 23.3, 39, 742, 00 , 14:29:10, 25-Jun-2018
27, 6.10, 23.4, 39, 742, 00 , 14:44:10, 25-Jun-2018
28, 6.67, 23.7, 39, 742, 00 , 14:59:10, 25-Jun-2018
29, 6.24, 23.9, 37, 742, 00 , 15:14:10, 25-Jun-2018
30, 5.41, 23.9, 36, 742, 00 , 15:29:10, 25-Jun-2018
31, 5.30, 23.8, 36, 742, 00 , 15:44:10, 25-Jun-2018
32, 4.88, 23.7, 35, 742, 00 , 15:59:10, 25-Jun-2018
33, 4.88, 23.7, 35, 742, 00 , 16:14:10, 25-Jun-2018
34, 4.54, 23.8, 34, 742, 00 , 16:29:10, 25-Jun-2018
35, 4.31, 23.8, 33, 742, 00 , 16:44:10, 25-Jun-2018

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"Avg point ", 38.710346
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2, 35.48, 14.0, 71, 744, 00 , 08:10:23, 25-Jun-2018
3, 34.13, 14.3, 71, 744, 00 , 08:25:23, 25-Jun-2018
4, 35.56, 14.3, 68, 744, 00 , 08:40:23, 25-Jun-2018
5, 34.96, 14.2, 69, 744, 00 , 08:55:23, 25-Jun-2018
6, 34.26, 14.1, 69, 744, 00 , 09:10:23, 25-Jun-2018
7, 34.42, 14.1, 69, 744, 00 , 09:25:23, 25-Jun-2018
8, 33.74, 14.1, 69, 744, 02 , 09:40:23, 25-Jun-2018
9, 34.34, 14.4, 68, 744, 00 , 09:55:23, 25-Jun-2018
10, 33.57, 15.0, 68, 744, 00 , 10:10:23, 25-Jun-2018
11, 34.65, 15.6, 66, 744, 00 , 10:25:23, 25-Jun-2018
12, 35.13, 16.8, 66, 744, 00 , 10:40:23, 25-Jun-2018
13, 37.00, 18.0, 63, 744, 00 , 10:55:23, 25-Jun-2018
14, 39.72, 19.4, 56, 744, 02 , 11:10:23, 25-Jun-2018
15, 41.38, 21.1, 51, 744, 00 , 11:25:23, 25-Jun-2018
16, 42.47, 22.6, 44, 744, 00 , 11:40:23, 25-Jun-2018
17, 42.91, 23.8, 40, 746, 00 , 11:55:23, 25-Jun-2018
18, 42.86, 24.9, 37, 744, 00 , 12:10:23, 25-Jun-2018
19, 41.64, 25.8, 36, 746, 02 , 12:25:23, 25-Jun-2018
20, 41.43, 26.4, 35, 744, 00 , 12:40:23, 25-Jun-2018
21, 41.47, 27.0, 33, 746, 02 , 12:55:23, 25-Jun-2018
22, 41.15, 27.6, 31, 746, 02 , 13:10:23, 25-Jun-2018
23, 40.71, 28.1, 30, 746, 02 , 13:25:23, 25-Jun-2018
24, 40.33, 28.8, 29, 746, 02 , 13:40:23, 25-Jun-2018
25, 40.86, 29.4, 28, 746, 02 , 13:55:23, 25-Jun-2018
26, 40.96, 30.2, 26, 746, 02 , 14:10:23, 25-Jun-2018
27, 40.19, 30.9, 22, 746, 02 , 14:25:23, 25-Jun-2018
28, 38.92, 31.6, 22, 746, 02 , 14:40:23, 25-Jun-2018
29, 40.03, 32.3, 22, 746, 02 , 14:55:23, 25-Jun-2018
30, 40.07, 33.0, 22, 746, 02 , 15:10:23, 25-Jun-2018
31, 40.03, 33.8, 20, 746, 02 , 15:25:23, 25-Jun-2018
32, 40.11, 34.6, 18, 746, 02 , 15:40:23, 25-Jun-2018
33, 40.10, 34.9, 18, 746, 02 , 15:55:23, 25-Jun-2018
34, 40.17, 35.3, 17, 746, 02 , 16:10:23, 25-Jun-2018
35, 39.70, 35.9, 16, 746, 02 , 16:25:23, 25-Jun-2018
36, 40.39, 36.5, 15, 746, 02 , 16:40:23, 25-Jun-2018
37, 39.75, 36.8, 15, 746, 02 , 16:55:23, 25-Jun-2018

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2, 8.43, 19.2, 67, 742, 00 , 08:05:03, 25-Jun-2018
3, 8.02, 20.8, 61, 742, 00 , 08:20:03, 25-Jun-2018
4, 6.84, 22.3, 56, 742, 00 , 08:35:03, 25-Jun-2018
5, 7.12, 22.9, 53, 742, 00 , 08:50:03, 25-Jun-2018
6, 6.98, 23.2, 52, 742, 00 , 09:05:03, 25-Jun-2018
7, 6.94, 23.6, 51, 744, 00 , 09:20:03, 25-Jun-2018
8, 6.96, 24.2, 50, 744, 00 , 09:35:03, 25-Jun-2018
9, 6.49, 24.8, 48, 744, 00 , 09:50:03, 25-Jun-2018
10, 6.15, 25.3, 47, 744, 00 , 10:05:03, 25-Jun-2018
11, 6.57, 25.7, 46, 744, 00 , 10:20:03, 25-Jun-2018
12, 6.00, 26.4, 45, 744, 00 , 10:35:03, 25-Jun-2018
13, 6.02, 27.3, 42, 744, 00 , 10:50:03, 25-Jun-2018
14, 6.61, 28.1, 38, 744, 00 , 11:05:03, 25-Jun-2018
15, 5.15, 28.6, 34, 744, 00 , 11:20:03, 25-Jun-2018
16, 4.94, 28.9, 32, 744, 00 , 11:35:03, 25-Jun-2018
17, 4.91, 29.0, 32, 744, 00 , 11:50:03, 25-Jun-2018
18, 4.71, 29.1, 30, 744, 00 , 12:05:03, 25-Jun-2018
19, 4.88, 29.1, 30, 744, 00 , 12:20:03, 25-Jun-2018
20, 5.15, 29.2, 31, 744, 00 , 12:35:03, 25-Jun-2018
21, 6.07, 29.5, 30, 744, 00 , 12:50:03, 25-Jun-2018
22, 6.29, 30.1, 29, 744, 00 , 13:05:03, 25-Jun-2018
23, 7.68, 30.8, 27, 744, 00 , 13:20:03, 25-Jun-2018
24, 8.75, 31.5, 26, 744, 00 , 13:35:03, 25-Jun-2018
25, 6.08, 32.4, 25, 744, 00 , 13:50:03, 25-Jun-2018
26, 6.22, 32.9, 24, 744, 00 , 14:05:03, 25-Jun-2018
27, 11.81, 33.5, 22, 744, 00 , 14:20:03, 25-Jun-2018
28, 6.98, 34.2, 21, 744, 00 , 14:35:03, 25-Jun-2018
29, 6.47, 34.9, 21, 744, 00 , 14:50:03, 25-Jun-2018
30, 7.71, 35.1, 20, 744, 00 , 15:05:03, 25-Jun-2018
31, 5.51, 33.5, 21, 744, 00 , 15:20:03, 25-Jun-2018
32, 6.17, 32.5, 22, 744, 00 , 15:35:03, 25-Jun-2018
33, 5.38, 32.0, 22, 744, 00 , 15:50:03, 25-Jun-2018
34, 5.16, 31.8, 22, 744, 00 , 16:05:03, 25-Jun-2018
35, 5.06, 31.9, 21, 744, 00 , 16:20:03, 25-Jun-2018
36, 5.00, 32.3, 21, 744, 00 , 16:35:03, 25-Jun-2018
37, 5.06, 32.4, 20, 744, 00 , 16:50:03, 25-Jun-2018

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"Max STEL @ ", 08:15:03 25-Jun-2018
"Avg point ", 5.065248
"ALARM   ", "INSTANT "
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1, 9.74, 21.0, 64, 744, 03 , 08:15:03, 25-Jun-2018
2, 4.86, 21.0, 59, 744, 01 , 08:30:03, 25-Jun-2018
3, 4.39, 19.9, 62, 744, 01 , 08:45:03, 25-Jun-2018
4, 5.01, 21.4, 59, 744, 01 , 09:00:03, 25-Jun-2018
5, 4.92, 24.4, 51, 744, 01 , 09:15:03, 25-Jun-2018
6, 5.25, 26.0, 46, 744, 01 , 09:30:03, 25-Jun-2018
7, 5.61, 27.8, 42, 744, 01 , 09:45:03, 25-Jun-2018
8, 5.61, 29.6, 38, 744, 01 , 10:00:03, 25-Jun-2018
9, 5.60, 30.8, 35, 744, 01 , 10:15:03, 25-Jun-2018
10, 5.54, 31.4, 34, 744, 01 , 10:30:03, 25-Jun-2018
11, 5.54, 31.1, 35, 744, 01 , 10:45:03, 25-Jun-2018
12, 5.22, 31.2, 34, 744, 01 , 11:00:03, 25-Jun-2018
13, 4.88, 31.3, 31, 744, 01 , 11:15:03, 25-Jun-2018
14, 4.88, 31.8, 29, 744, 01 , 11:30:03, 25-Jun-2018
15, 4.85, 31.5, 29, 744, 01 , 11:45:03, 25-Jun-2018
16, 5.74, 31.9, 28, 744, 01 , 12:00:03, 25-Jun-2018
17, 5.18, 32.2, 27, 744, 01 , 12:15:03, 25-Jun-2018
18, 4.97, 31.5, 28, 744, 01 , 12:30:03, 25-Jun-2018
19, 4.82, 30.9, 29, 744, 01 , 12:45:03, 25-Jun-2018
20, 4.70, 30.9, 30, 744, 01 , 13:00:03, 25-Jun-2018
21, 5.03, 31.2, 29, 744, 01 , 13:15:03, 25-Jun-2018
22, 4.36, 31.2, 28, 744, 01 , 13:30:03, 25-Jun-2018
23, 4.57, 30.8, 29, 744, 01 , 13:45:03, 25-Jun-2018
24, 4.30, 30.9, 29, 744, 01 , 14:00:03, 25-Jun-2018
25, 4.93, 31.8, 28, 744, 01 , 14:15:03, 25-Jun-2018
26, 4.68, 32.2, 27, 744, 01 , 14:30:03, 25-Jun-2018
27, 4.92, 32.1, 26, 744, 01 , 14:45:03, 25-Jun-2018
28, 6.66, 32.0, 26, 744, 01 , 15:00:03, 25-Jun-2018
29, 4.88, 31.7, 26, 744, 01 , 15:15:03, 25-Jun-2018
30, 4.38, 31.5, 26, 744, 01 , 15:30:03, 25-Jun-2018
31, 4.36, 30.9, 26, 744, 01 , 15:45:03, 25-Jun-2018
32, 4.33, 30.3, 27, 744, 01 , 16:00:03, 25-Jun-2018
33, 4.63, 30.3, 26, 744, 01 , 16:15:03, 25-Jun-2018
34, 4.46, 30.8, 25, 744, 01 , 16:30:03, 25-Jun-2018
35, 4.29, 31.3, 23, 744, 01 , 16:45:03, 25-Jun-2018
36, 4.23, 30.7, 24, 744, 01 , 17:00:03, 25-Jun-2018

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3, 6.01, 24.9, 35, 742, 00 , 10:18:54, 25-Jun-2018
4, 6.30, 26.4, 33, 742, 00 , 10:33:54, 25-Jun-2018
5, 5.74, 27.7, 29, 742, 00 , 10:48:54, 25-Jun-2018
6, 8.88, 28.3, 25, 742, 00 , 11:03:54, 25-Jun-2018
7, 9.37, 27.8, 23, 742, 00 , 11:18:54, 25-Jun-2018
8, 6.60, 27.0, 23, 742, 00 , 11:33:54, 25-Jun-2018
9, 5.72, 26.4, 23, 742, 00 , 11:48:54, 25-Jun-2018
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12, 9.83, 24.8, 26, 742, 00 , 12:33:54, 25-Jun-2018
13, 6.21, 24.5, 27, 742, 00 , 12:48:54, 25-Jun-2018
14, 7.22, 24.1, 27, 742, 00 , 13:03:54, 25-Jun-2018
15, 8.53, 23.9, 26, 742, 00 , 13:18:54, 25-Jun-2018
16, 8.81, 24.0, 26, 742, 00 , 13:33:54, 25-Jun-2018
17, 9.40, 24.0, 26, 742, 00 , 13:48:54, 25-Jun-2018
18, 19.22, 24.0, 26, 742, 00 , 14:03:54, 25-Jun-2018
19, 19.78, 24.3, 25, 742, 00 , 14:18:54, 25-Jun-2018
20, 16.93, 24.1, 25, 742, 00 , 14:33:54, 25-Jun-2018
21, 14.55, 24.2, 25, 742, 00 , 14:48:54, 25-Jun-2018
22, 17.35, 24.4, 24, 742, 00 , 15:03:54, 25-Jun-2018
23, 13.27, 24.2, 23, 742, 00 , 15:18:54, 25-Jun-2018
24, 10.89, 23.9, 23, 742, 00 , 15:33:54, 25-Jun-2018
25, 11.09, 24.3, 22, 742, 00 , 15:48:54, 25-Jun-2018
26, 10.29, 24.2, 22, 742, 00 , 16:03:54, 25-Jun-2018
27, 16.45, 24.0, 21, 742, 00 , 16:18:54, 25-Jun-2018

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3, 7.44, 17.6, 64, 742, 03 , 08:20:03, 25-Jun-2018
4, 5.86, 21.2, 54, 742, 00 , 08:35:03, 25-Jun-2018
5, 5.85, 27.1, 39, 742, 00 , 08:50:03, 25-Jun-2018
6, 6.06, 30.9, 30, 742, 00 , 09:05:03, 25-Jun-2018
7, 5.96, 33.3, 26, 742, 00 , 09:20:03, 25-Jun-2018
8, 5.90, 34.9, 24, 742, 00 , 09:35:03, 25-Jun-2018
9, 5.95, 36.0, 23, 742, 00 , 09:50:03, 25-Jun-2018
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13, 5.87, 38.9, 20, 742, 00 , 10:50:03, 25-Jun-2018
14, 5.73, 39.5, 17, 742, 00 , 11:05:03, 25-Jun-2018
15, 5.16, 39.2, 17, 742, 00 , 11:20:03, 25-Jun-2018
16, 5.53, 38.6, 16, 742, 00 , 11:35:03, 25-Jun-2018
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18, 5.39, 37.3, 15, 742, 00 , 12:05:03, 25-Jun-2018
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21, 5.39, 34.0, 19, 742, 00 , 12:50:03, 25-Jun-2018
22, 5.64, 33.2, 20, 742, 00 , 13:05:03, 25-Jun-2018
23, 5.22, 32.2, 19, 742, 00 , 13:20:03, 25-Jun-2018
24, 4.92, 31.3, 19, 742, 00 , 13:35:03, 25-Jun-2018
25, 5.56, 30.9, 21, 742, 00 , 13:50:03, 25-Jun-2018
26, 5.13, 30.4, 22, 742, 00 , 14:05:03, 25-Jun-2018
27, 5.30, 29.8, 22, 742, 00 , 14:20:03, 25-Jun-2018
28, 5.12, 29.1, 24, 742, 00 , 14:35:03, 25-Jun-2018
29, 4.92, 28.7, 24, 742, 00 , 14:50:03, 25-Jun-2018
30, 5.08, 28.2, 24, 742, 00 , 15:05:03, 25-Jun-2018
31, 5.13, 27.8, 24, 742, 00 , 15:20:03, 25-Jun-2018
32, 5.09, 27.6, 24, 742, 00 , 15:35:03, 25-Jun-2018
33, 5.11, 27.4, 24, 742, 00 , 15:50:03, 25-Jun-2018
34, 4.76, 27.0, 24, 742, 00 , 16:05:03, 25-Jun-2018
35, 4.80, 26.6, 24, 742, 00 , 16:20:03, 25-Jun-2018
36, 4.73, 26.5, 24, 742, 00 , 16:35:03, 25-Jun-2018
37, 4.44, 26.7, 23, 742, 00 , 16:50:03, 25-Jun-2018
38, 4.64, 26.9, 23, 742, 00 , 17:05:03, 25-Jun-2018

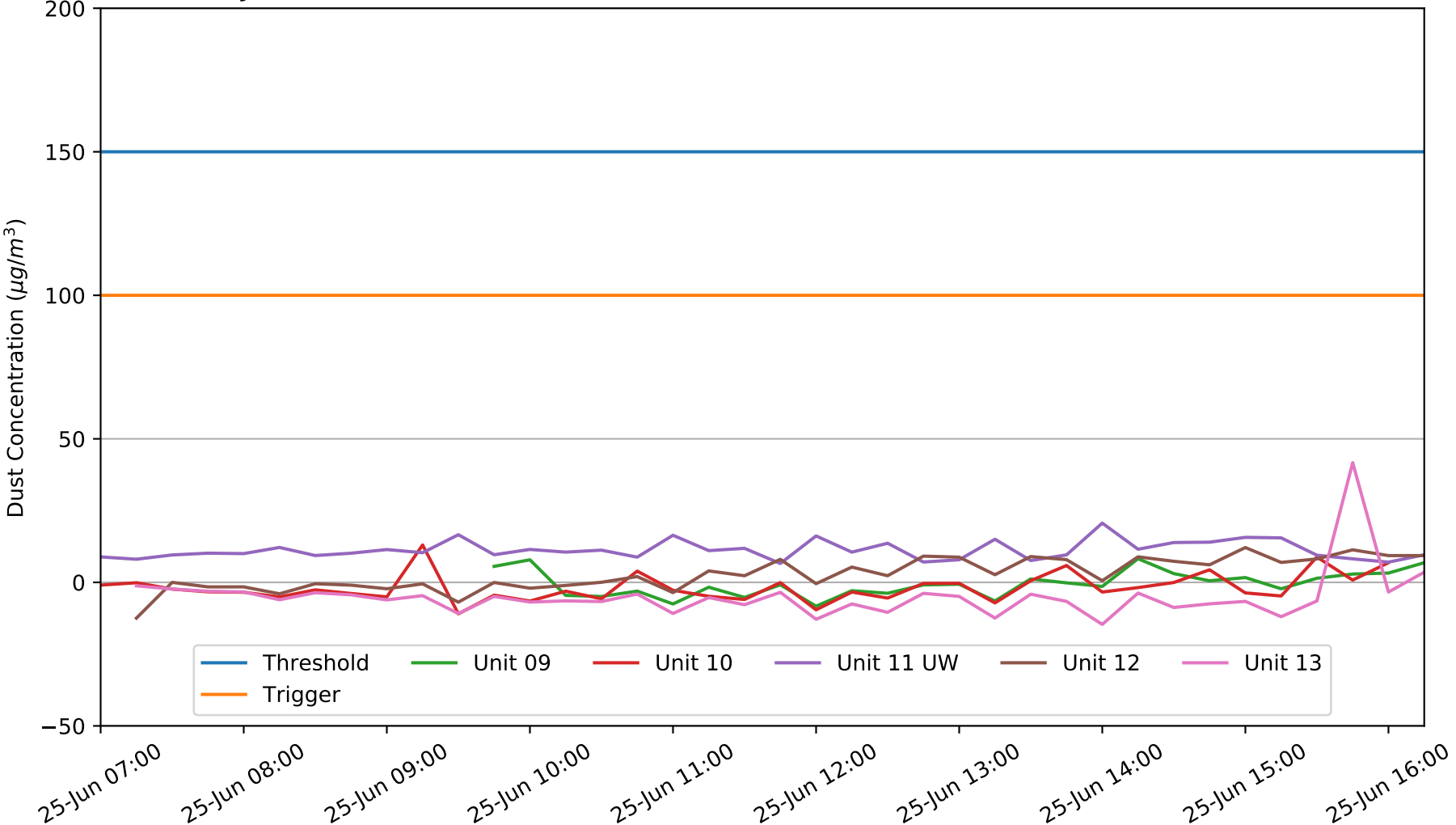
Dust Monitoring Data
MSA 25-Jun-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 12	Unit 10	Unit 09	Unit 11 UW	Unit 13	Threshold	Trigger
2018-06-25 07:00:00		-0.95		8.87		150	100
2018-06-25 07:15:00	-12.47	-0.13		8.06	-1.19	150	100
2018-06-25 07:30:00	0	-2.35		9.55	-2.32	150	100
2018-06-25 07:45:00	-1.58	-3.29		10.17	-3.1	150	100
2018-06-25 08:00:00	-1.57	-3.44		10.02	-3.32	150	100
2018-06-25 08:15:00	-3.98	-5.07		12.16	-6.06	150	100
2018-06-25 08:30:00	-0.48	-2.61		9.35	-3.61	150	100
2018-06-25 08:45:00	-0.97	-3.87		10.15	-4.34	150	100
2018-06-25 09:00:00	-2.23	-5.06		11.43	-6.11	150	100
2018-06-25 09:15:00	-0.52	13.03		10.33	-4.63	150	100
2018-06-25 09:30:00	-6.9	-10.96		16.6	-10.86	150	100
2018-06-25 09:45:00	-0.04	-4.46	5.57	9.62	-4.9	150	100
2018-06-25 10:00:00	-2.03	-6.51	7.86	11.47	-6.85	150	100
2018-06-25 10:15:00	-1.07	-3.07	-4.53	10.54	-6.46	150	100
2018-06-25 10:30:00	0.03	-5.73	-4.92	11.22	-6.68	150	100
2018-06-25 10:45:00	2.01	3.92	-3.04	8.78	-4.07	150	100
2018-06-25 11:00:00	-3.58	-2.75	-7.53	16.41	-10.84	150	100
2018-06-25 11:15:00	3.99	-4.85	-1.69	11.06	-5.3	150	100
2018-06-25 11:30:00	2.31	-5.97	-5.25	11.85	-7.78	150	100
2018-06-25 11:45:00	8.02	-0.07	-0.85	6.57	-3.46	150	100
2018-06-25 12:00:00	-0.46	-9.56	-8.31	16.18	-12.86	150	100
2018-06-25 12:15:00	5.32	-3.37	-2.9	10.53	-7.51	150	100
2018-06-25 12:30:00	2.31	-5.47	-3.8	13.63	-10.43	150	100
2018-06-25 12:45:00	9.14	-0.37	-0.88	7.09	-3.82	150	100
2018-06-25 13:00:00	8.78	-0.32	-0.65	7.87	-4.89	150	100
2018-06-25 13:15:00	2.66	-7.16	-6.49	15.02	-12.44	150	100
2018-06-25 13:30:00	8.99	0.58	1.2	7.61	-4.12	150	100
2018-06-25 13:45:00	7.91	5.88	-0.17	9.57	-6.62	150	100
2018-06-25 14:00:00	0.57	-3.37	-1.42	20.64	-14.65	150	100
2018-06-25 14:15:00	8.9	-1.82	8.24	11.54	-3.72	150	100
2018-06-25 14:30:00	7.34	-0.05	3.05	13.88	-8.75	150	100
2018-06-25 14:45:00	6.12	4.38	0.55	14	-7.48	150	100
2018-06-25 15:00:00	12.14	-3.67	1.67	15.68	-6.63	150	100
2018-06-25 15:15:00	6.95	-4.74	-2.23	15.5	-11.96	150	100
2018-06-25 15:30:00	8.16	8.82	1.43	9.46	-6.49	150	100
2018-06-25 15:45:00	11.33	0.8	2.9	8.19	41.71	150	100
2018-06-25 16:00:00	9.33	6.85	3.24	7.05	-3.36	150	100
2018-06-25 16:15:00	9.33		6.85	9.6	3.54	150	100

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 25-Jun-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



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"RH CORRECT ", "ENABLED "
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"Max STEL   ", 29.552471
"Max STEL @ ", 14:58:43 25-Jun-2018
"Avg point ", 14.111496
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, -4.41, 13.6, 75, 742, 05 , 07:15:03, 25-Jun-2018
2, 9.55, 12.2, 78, 742, 00 , 07:30:03, 25-Jun-2018
3, 8.59, 11.6, 80, 742, 00 , 07:45:03, 25-Jun-2018
4, 8.45, 11.7, 80, 744, 00 , 08:00:03, 25-Jun-2018
5, 8.18, 12.3, 79, 744, 00 , 08:15:03, 25-Jun-2018
6, 8.87, 13.2, 75, 744, 00 , 08:30:03, 25-Jun-2018
7, 9.18, 13.5, 73, 744, 00 , 08:45:03, 25-Jun-2018
8, 9.20, 13.8, 71, 744, 00 , 09:00:03, 25-Jun-2018
9, 9.81, 13.9, 71, 744, 00 , 09:15:03, 25-Jun-2018
10, 9.70, 14.0, 70, 744, 01 , 09:30:03, 25-Jun-2018
11, 9.58, 14.4, 71, 744, 01 , 09:45:03, 25-Jun-2018
12, 9.44, 15.1, 68, 744, 00 , 10:00:03, 25-Jun-2018
13, 9.47, 15.6, 66, 744, 00 , 10:15:03, 25-Jun-2018
14, 11.25, 16.2, 65, 744, 00 , 10:30:03, 25-Jun-2018
15, 10.79, 16.8, 63, 744, 00 , 10:45:03, 25-Jun-2018
16, 12.83, 17.3, 60, 744, 00 , 11:00:03, 25-Jun-2018
17, 15.05, 17.6, 53, 744, 00 , 11:15:03, 25-Jun-2018
18, 14.16, 17.9, 50, 744, 00 , 11:30:03, 25-Jun-2018
19, 14.59, 18.2, 48, 744, 00 , 11:45:03, 25-Jun-2018
20, 15.72, 18.6, 47, 744, 00 , 12:00:03, 25-Jun-2018
21, 15.85, 18.8, 46, 744, 00 , 12:15:03, 25-Jun-2018
22, 15.94, 18.9, 47, 744, 00 , 12:30:03, 25-Jun-2018
23, 16.23, 18.9, 47, 744, 00 , 12:45:03, 25-Jun-2018
24, 16.65, 18.8, 46, 744, 00 , 13:00:03, 25-Jun-2018
25, 17.68, 19.0, 45, 744, 01 , 13:15:03, 25-Jun-2018
26, 16.60, 19.1, 43, 744, 00 , 13:30:03, 25-Jun-2018
27, 17.48, 19.2, 44, 744, 00 , 13:45:03, 25-Jun-2018
28, 21.21, 19.4, 43, 744, 00 , 14:00:03, 25-Jun-2018
29, 20.44, 19.7, 42, 744, 00 , 14:15:03, 25-Jun-2018
30, 21.22, 19.8, 41, 744, 00 , 14:30:03, 25-Jun-2018
31, 20.12, 20.2, 40, 744, 00 , 14:45:03, 25-Jun-2018
32, 27.82, 20.5, 40, 744, 00 , 15:00:03, 25-Jun-2018
33, 22.45, 20.6, 38, 744, 00 , 15:15:03, 25-Jun-2018
34, 17.62, 20.7, 37, 744, 00 , 15:30:03, 25-Jun-2018
35, 19.52, 20.9, 36, 744, 00 , 15:45:03, 25-Jun-2018
36, 16.38, 20.8, 36, 744, 00 , 16:00:03, 25-Jun-2018
37, 18.93, 20.9, 34, 744, 00 , 16:15:03, 25-Jun-2018

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"Unit   ", 0
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"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 263.768196
"Max Disp @ ", 09:27:03 25-Jun-2018
"Max STEL   ", 23.587661
"Max STEL @ ", 09:27:31 25-Jun-2018
"Avg point ", 9.483541
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 7.92, 16.2, 72, 742, 01 , 07:14:41, 25-Jun-2018
2, 7.93, 15.6, 74, 742, 00 , 07:29:41, 25-Jun-2018
3, 7.20, 15.1, 76, 742, 00 , 07:44:41, 25-Jun-2018
4, 6.88, 15.1, 76, 742, 00 , 07:59:41, 25-Jun-2018
5, 6.58, 15.7, 75, 742, 00 , 08:14:41, 25-Jun-2018
6, 7.09, 16.3, 66, 744, 00 , 08:29:41, 25-Jun-2018
7, 6.74, 16.5, 66, 744, 00 , 08:44:41, 25-Jun-2018
8, 6.28, 16.9, 65, 744, 00 , 08:59:41, 25-Jun-2018
9, 6.37, 16.9, 67, 744, 00 , 09:14:41, 25-Jun-2018
10, 23.36, 16.7, 65, 744, 00 , 09:29:41, 25-Jun-2018
11, 5.64, 16.8, 69, 744, 00 , 09:44:41, 25-Jun-2018
12, 5.16, 17.0, 65, 744, 00 , 09:59:41, 25-Jun-2018
13, 4.96, 17.4, 63, 744, 00 , 10:14:41, 25-Jun-2018
14, 7.47, 17.8, 62, 744, 00 , 10:29:41, 25-Jun-2018
15, 5.49, 18.3, 58, 744, 00 , 10:44:41, 25-Jun-2018
16, 12.70, 18.8, 57, 744, 00 , 10:59:41, 25-Jun-2018
17, 13.66, 19.3, 47, 744, 00 , 11:14:41, 25-Jun-2018
18, 6.21, 19.8, 47, 744, 00 , 11:29:41, 25-Jun-2018
19, 5.88, 20.2, 45, 744, 00 , 11:44:41, 25-Jun-2018
20, 6.50, 20.7, 44, 744, 00 , 11:59:41, 25-Jun-2018
21, 6.62, 21.1, 43, 744, 00 , 12:14:41, 25-Jun-2018
22, 7.16, 21.5, 43, 744, 00 , 12:29:41, 25-Jun-2018
23, 8.16, 21.8, 42, 744, 00 , 12:44:41, 25-Jun-2018
24, 6.72, 22.2, 41, 744, 00 , 12:59:41, 25-Jun-2018
25, 7.55, 23.0, 38, 744, 00 , 13:14:41, 25-Jun-2018
26, 7.86, 23.5, 36, 744, 00 , 13:29:41, 25-Jun-2018
27, 8.19, 23.7, 36, 744, 00 , 13:44:41, 25-Jun-2018
28, 15.45, 23.9, 36, 744, 00 , 13:59:41, 25-Jun-2018
29, 17.27, 24.5, 35, 744, 00 , 14:14:41, 25-Jun-2018
30, 9.72, 25.0, 33, 744, 00 , 14:29:41, 25-Jun-2018
31, 13.83, 25.7, 32, 744, 00 , 14:44:41, 25-Jun-2018
32, 18.38, 26.8, 31, 744, 00 , 14:59:41, 25-Jun-2018
33, 12.01, 27.7, 29, 744, 00 , 15:14:41, 25-Jun-2018
34, 10.76, 28.3, 27, 744, 00 , 15:29:41, 25-Jun-2018
35, 18.28, 28.5, 26, 744, 00 , 15:44:41, 25-Jun-2018
36, 8.99, 28.5, 26, 744, 00 , 15:59:41, 25-Jun-2018
37, 13.90, 29.5, 24, 744, 00 , 16:14:41, 25-Jun-2018

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"RH CORRECT ", "ENABLED "
"Max Disp   ", 87.008667
"Max Disp @ ", 09:34:00 25-Jun-2018
"Max STEL   ", 22.917073
"Max STEL @ ", 14:57:44 25-Jun-2018
"Avg point ", 11.053925
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 15.19, 21.4, 45, 742, 03 , 09:48:54, 25-Jun-2018
2, 19.33, 23.8, 38, 742, 03 , 10:03:54, 25-Jun-2018
3, 6.01, 24.9, 35, 742, 00 , 10:18:54, 25-Jun-2018
4, 6.30, 26.4, 33, 742, 00 , 10:33:54, 25-Jun-2018
5, 5.74, 27.7, 29, 742, 00 , 10:48:54, 25-Jun-2018
6, 8.88, 28.3, 25, 742, 00 , 11:03:54, 25-Jun-2018
7, 9.37, 27.8, 23, 742, 00 , 11:18:54, 25-Jun-2018
8, 6.60, 27.0, 23, 742, 00 , 11:33:54, 25-Jun-2018
9, 5.72, 26.4, 23, 742, 00 , 11:48:54, 25-Jun-2018
10, 7.87, 26.0, 23, 742, 00 , 12:03:54, 25-Jun-2018
11, 7.63, 25.2, 25, 742, 00 , 12:18:54, 25-Jun-2018
12, 9.83, 24.8, 26, 742, 00 , 12:33:54, 25-Jun-2018
13, 6.21, 24.5, 27, 742, 00 , 12:48:54, 25-Jun-2018
14, 7.22, 24.1, 27, 742, 00 , 13:03:54, 25-Jun-2018
15, 8.53, 23.9, 26, 742, 00 , 13:18:54, 25-Jun-2018
16, 8.81, 24.0, 26, 742, 00 , 13:33:54, 25-Jun-2018
17, 9.40, 24.0, 26, 742, 00 , 13:48:54, 25-Jun-2018
18, 19.22, 24.0, 26, 742, 00 , 14:03:54, 25-Jun-2018
19, 19.78, 24.3, 25, 742, 00 , 14:18:54, 25-Jun-2018
20, 16.93, 24.1, 25, 742, 00 , 14:33:54, 25-Jun-2018
21, 14.55, 24.2, 25, 742, 00 , 14:48:54, 25-Jun-2018
22, 17.35, 24.4, 24, 742, 00 , 15:03:54, 25-Jun-2018
23, 13.27, 24.2, 23, 742, 00 , 15:18:54, 25-Jun-2018
24, 10.89, 23.9, 23, 742, 00 , 15:33:54, 25-Jun-2018
25, 11.09, 24.3, 22, 742, 00 , 15:48:54, 25-Jun-2018
26, 10.29, 24.2, 22, 742, 00 , 16:03:54, 25-Jun-2018
27, 16.45, 24.0, 21, 742, 00 , 16:18:54, 25-Jun-2018

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 11:55:36 25-Jun-2018
"Max STEL   ", 21.301255
"Max STEL @ ", 14:06:35 25-Jun-2018
"Avg point ", 11.242803
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 8.87, 18.7, 68, 742, 07 , 07:03:55, 25-Jun-2018
2, 8.06, 19.0, 66, 742, 00 , 07:18:55, 25-Jun-2018
3, 9.55, 18.9, 65, 742, 00 , 07:33:55, 25-Jun-2018
4, 10.17, 21.1, 58, 742, 00 , 07:48:55, 25-Jun-2018
5, 10.02, 23.2, 52, 742, 00 , 08:03:55, 25-Jun-2018
6, 12.16, 24.9, 48, 742, 00 , 08:18:55, 25-Jun-2018
7, 9.35, 27.2, 41, 742, 00 , 08:33:55, 25-Jun-2018
8, 10.15, 28.6, 37, 742, 00 , 08:48:55, 25-Jun-2018
9, 11.43, 29.3, 36, 742, 00 , 09:03:55, 25-Jun-2018
10, 10.33, 29.4, 35, 742, 00 , 09:18:55, 25-Jun-2018
11, 16.60, 30.0, 34, 742, 00 , 09:33:55, 25-Jun-2018
12, 9.62, 30.0, 34, 742, 00 , 09:48:55, 25-Jun-2018
13, 11.47, 29.1, 36, 742, 00 , 10:03:55, 25-Jun-2018
14, 10.54, 28.1, 38, 742, 00 , 10:18:55, 25-Jun-2018
15, 11.22, 28.3, 38, 742, 00 , 10:33:55, 25-Jun-2018
16, 8.78, 29.4, 36, 742, 00 , 10:48:55, 25-Jun-2018
17, 16.41, 30.0, 31, 742, 00 , 11:03:55, 25-Jun-2018
18, 11.06, 29.8, 29, 742, 00 , 11:18:55, 25-Jun-2018
19, 11.85, 29.3, 29, 742, 00 , 11:33:55, 25-Jun-2018
20, 6.57, 28.8, 29, 742, 00 , 11:48:55, 25-Jun-2018
21, 16.18, 28.2, 29, 742, 00 , 12:03:55, 25-Jun-2018
22, 10.53, 27.2, 31, 742, 00 , 12:18:55, 25-Jun-2018
23, 13.63, 26.8, 32, 742, 00 , 12:33:55, 25-Jun-2018
24, 7.09, 26.4, 33, 742, 00 , 12:48:55, 25-Jun-2018
25, 7.87, 25.9, 33, 742, 00 , 13:03:55, 25-Jun-2018
26, 15.02, 25.6, 33, 742, 00 , 13:18:55, 25-Jun-2018
27, 7.61, 25.5, 33, 742, 00 , 13:33:55, 25-Jun-2018
28, 9.57, 25.4, 34, 742, 00 , 13:48:55, 25-Jun-2018
29, 20.64, 25.4, 34, 742, 00 , 14:03:55, 25-Jun-2018
30, 11.54, 25.5, 33, 742, 00 , 14:18:55, 25-Jun-2018
31, 13.88, 25.2, 34, 742, 00 , 14:33:55, 25-Jun-2018
32, 14.00, 25.2, 33, 742, 00 , 14:48:55, 25-Jun-2018
33, 15.68, 25.1, 34, 742, 00 , 15:03:55, 25-Jun-2018
34, 15.50, 24.9, 33, 742, 00 , 15:18:55, 25-Jun-2018
35, 9.46, 24.6, 35, 742, 00 , 15:33:55, 25-Jun-2018
36, 8.19, 24.5, 34, 742, 00 , 15:48:55, 25-Jun-2018
37, 7.05, 24.3, 33, 742, 00 , 16:03:55, 25-Jun-2018
38, 9.60, 24.2, 31, 742, 00 , 16:18:55, 25-Jun-2018

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 15:38:07 25-Jun-2018
"Max STEL   ", 51.038561
"Max STEL @ ", 15:48:23 25-Jun-2018
"Avg point ", 6.378875
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
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1, 6.87, 18.5, 75, 742, 01 , 07:15:03, 25-Jun-2018
2, 7.23, 17.9, 75, 742, 00 , 07:30:03, 25-Jun-2018
3, 7.07, 17.3, 77, 742, 00 , 07:45:03, 25-Jun-2018
4, 6.70, 17.1, 78, 742, 00 , 08:00:03, 25-Jun-2018
5, 6.10, 17.3, 78, 742, 00 , 08:15:03, 25-Jun-2018
6, 5.74, 17.8, 75, 742, 00 , 08:30:03, 25-Jun-2018
7, 5.81, 18.1, 73, 742, 00 , 08:45:03, 25-Jun-2018
8, 5.32, 18.1, 72, 742, 00 , 09:00:03, 25-Jun-2018
9, 5.70, 18.1, 72, 742, 00 , 09:15:03, 25-Jun-2018
10, 5.74, 18.1, 72, 742, 00 , 09:30:03, 25-Jun-2018
11, 4.72, 18.5, 72, 742, 00 , 09:45:03, 25-Jun-2018
12, 4.62, 19.1, 69, 742, 00 , 10:00:03, 25-Jun-2018
13, 4.08, 20.0, 65, 742, 00 , 10:15:03, 25-Jun-2018
14, 4.54, 21.1, 62, 742, 00 , 10:30:03, 25-Jun-2018
15, 4.71, 22.3, 59, 742, 00 , 10:45:03, 25-Jun-2018
16, 5.57, 23.6, 54, 742, 00 , 11:00:03, 25-Jun-2018
17, 5.76, 24.5, 46, 742, 00 , 11:15:03, 25-Jun-2018
18, 4.07, 25.6, 43, 742, 00 , 11:30:03, 25-Jun-2018
19, 3.11, 26.2, 39, 742, 00 , 11:45:03, 25-Jun-2018
20, 3.32, 27.4, 38, 742, 00 , 12:00:03, 25-Jun-2018
21, 3.02, 28.4, 35, 742, 00 , 12:15:03, 25-Jun-2018
22, 3.20, 29.1, 36, 742, 00 , 12:30:03, 25-Jun-2018
23, 3.27, 29.6, 35, 742, 00 , 12:45:03, 25-Jun-2018
24, 2.98, 30.3, 33, 744, 00 , 13:00:03, 25-Jun-2018
25, 2.58, 31.1, 30, 744, 00 , 13:15:03, 25-Jun-2018
26, 3.49, 31.6, 29, 744, 00 , 13:30:03, 25-Jun-2018
27, 2.95, 32.0, 29, 744, 00 , 13:45:03, 25-Jun-2018
28, 5.99, 32.6, 28, 744, 00 , 14:00:03, 25-Jun-2018
29, 7.82, 33.5, 27, 744, 00 , 14:15:03, 25-Jun-2018
30, 5.13, 34.1, 26, 744, 00 , 14:30:03, 25-Jun-2018
31, 6.52, 35.0, 24, 744, 00 , 14:45:03, 25-Jun-2018
32, 9.05, 36.1, 23, 744, 00 , 15:00:03, 25-Jun-2018
33, 3.54, 36.9, 21, 744, 00 , 15:15:03, 25-Jun-2018
34, 2.97, 37.5, 20, 744, 00 , 15:30:03, 25-Jun-2018
35, 49.90, 37.7, 20, 744, 00 , 15:45:03, 25-Jun-2018
36, 3.69, 37.7, 20, 744, 00 , 16:00:03, 25-Jun-2018
37, 13.14, 38.9, 18, 744, 00 , 16:15:03, 25-Jun-2018

DAILY OBSERVATION REPORT

Report No.:	20	Project File:	MN0832D	Date:	6/26/2018

Geosyntec consultants

engineers | scientists | innovators

Beech and Bonaparte engineering p.c.

an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: James Burnett

Site Representative: Ashwin Ranna, Matt Schallinger

Contractor: Recon

Arrive at Site: 0600hrs. Leave Site: 1900 hrs.

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Sunny	am	Clear and Sunny	pm
Temperature:	39° F	am	81° F	pm
Wind Direction:	Calm	am	6.9 South	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☒	No ☐	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☐	N/A ☒
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☐	N/A ☒
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☐	N/A ☒

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 20 Project File: MN0832D Date: 6/26/2018

Materials Imported and Removed from Work Areas

Soil Removal:

Total Loads today: 10 Total Loads to date: 24

Weight: 220 Tons Total Weight to date: ~552 Tons

Imported #2 Run of Crusher:

Total Loads today: 2 Total Loads to date:5

Weight: 41 Tons Total Weight to date: 83 Tons

Imported #3 Run of Crusher:

Total Loads today: 0 Total Loads to date:5

Weight: 0Tons Total Weight to date: 132 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: 66

Weight: 0 Tons Total Weight to date: 1397Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0600. Attended Recon safety meeting. Matthew Schallinger and Jay Thompson on site from Geosyntec on site. Jim Burnett was not feeling well and said he would be arriving at site at 0700.
- Recon prepared to load out TSCA material from site. TSCA material was collected at the accumulation point and excavator was kept on top of the TSCA pile to load out trucks. Sheet pile material was expected to be delivered to site at 1300. A crane to install the sheet piling was brought to site. Recon completed cleanout of the material spilled around the sump and shifted the material into the TSCA pile. Geosyntec set up the TISCH samplers and calibrated and set up Dust monitors at the MSA and RPL.
- Recon began loading trucks with TSCA material at 0800. Between 0800 and 1300 a total of 8 TSCA trucks were loaded. An additional 2 trucks arrived in the second half of the Day and a total of 10 trucks of material was sent offsite.

Report No.: 20 Project File: MN0832D Date: 6/26/2018

- Two trucks had oversized trailers and could not enter the truck wash. Recon requested permission to Decon on top of the TSCA pad and after discussing with AK water truck was used to Decon the trucks prior to leaving the site. Recon is currently planning to widen the truck wash a little further to the NE of its current location to resolve this issue. No trucks are going to be loaded tomorrow while these modifications to the truck wash are being carried out.
- Manifests were signed by Geosyntec. Recon and Geosyntec attended a site team meeting at 0930. Recon reiterated that they will be driving sheet pile along the perimeter between STCC and EHS on a high priority. They plan to drive the sheet pile to complete the TSCA containment area after that and requested that the sheet pile be shortened along the NW extent to around 40' as there was no need for additional storage of material.
- Recon reviewed the roof drain closeout and sump installation plan with Geosyntec. Bladders would be installed in the roof drains to seal off the drains and self-starting sump pumps were to be installed on the roof of the K wing and water would be emptied into the storm drain to the north of the K wing. Recon also requested permission to stage the TSCA overlay material from near the school building on Geofabric on top of the asphalt over the TSCA overlay material in the south part of the RPL as there was insufficient space to store all the excavated material.
- SW from DEC was on site at 1130. He observed the loading of the TSCA trucks. He inspected the sump area and identified some locations where regrading was required as water was ponding on the TSCA pad. He also reviewed the excavation limits and observed the movement of material within the RPL. He inspected the MSA and recommended that efforts be made to contain sprays of water from leaving the truck wash area. SW left site at 1315. Karl Wuolo-Journey from Geosyntec arrived on site at 1200. Recon cut and began to remove the concrete around the school ramp. Removed material was staged in the MSA.
- JB was feeling very unwell and left site at 1300 following manifesting the first 8 trucks. JT and KWJ began confirmation sampling after completing a site orientation

PM

- Recon broke for lunch between 1200 and 1230
- Recon continued to move non Haz material to the MSA. Material was stored under poly. Recon also began to remove the 0-2 material in the south western corner of the excavation area to access the non Haz material below that layer. Material removed was moved to the MSA to tested for reuse. Recon installed additional concrete blocks to create a separation barrier around the non Haz stockpile. Geosyntec attempted to troubleshoot 2 of the dust monitors with the rental agency however problems could not be resolved. Replacement monitors are being shipped out and will be expected on site shortly. AR with AH completed a SWPPP inspection on site.
- Recon attempted to locate the storm water drain to the west of the TSCA accumulation area prior to driving sheet pile. Material generated was added to the TSCA pile. JT and KWY continued collecting delineation samples through the end of the day. Samples were also collected from the TSCA overlay material piles and shipped. Crane assembly began, and sheet piles were brought to site and unloaded in the second half of the day. Sheet piling is expected to be carried out all of tomorrow with a priority on completing the sheet pile along the EHS /STCC property followed by the Sheet pile around the accumulation area.
- Recon began to shut down site and cover piles at 1445. Labor left site by 1730 after the last TSCA truck left site.
- Geosyntec collected PUF samples and Dust monitors at 1730. Data was downloaded, and samples were packed and prepared to be shipped. No dust monitor threshold exceedances were observed. MS left site to ship samples at 1830. AR, JT and KWJ completed site shutdown and left site at 1900. Samples were sent via FedEx at 1900;

Report No.: 20 Project File: MN0832D Date: 6/26/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Phil
- Rich Tonnucour
- (Recon labor) X17
- Crane assembly (Recon subcontractors)

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- 8x40 Office Trailer
- Portable Toilets
- Hand Wash Stations
- ST-197 Dodge Ram Work Truck
- 8x20 Storage Box
- Trimble GPS System (Base, Rover, Data Collector)
- 8x20 Office Trailer
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 Containments
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Vibratory Hammer
- Roller
- Site F250
- Sheet piling crane.

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	DEC	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Substantial Completion Date: NA
Completion Date: NA

ITEMS OF CONCERN:

Monitor number 09 had a trigger level alert at 1500. Water was sprayed down around the MSA using the water truck and work at the MSA was shut down at 1530.

Report No.:	20	Project File:	MN0832D	Date:	6/26/2018

Site Representative: Ashwin Ranna Date: 6/26/2018

Name: (*signature*)



Report No.:	20	Project File:	MN0832D	Date:	6/26/2018

Photo Log

Date : 6/26/2018



Reviewing roof drain seals



Loading of TSCA trucks



Removed concrete ramp



Covered material at the end of day

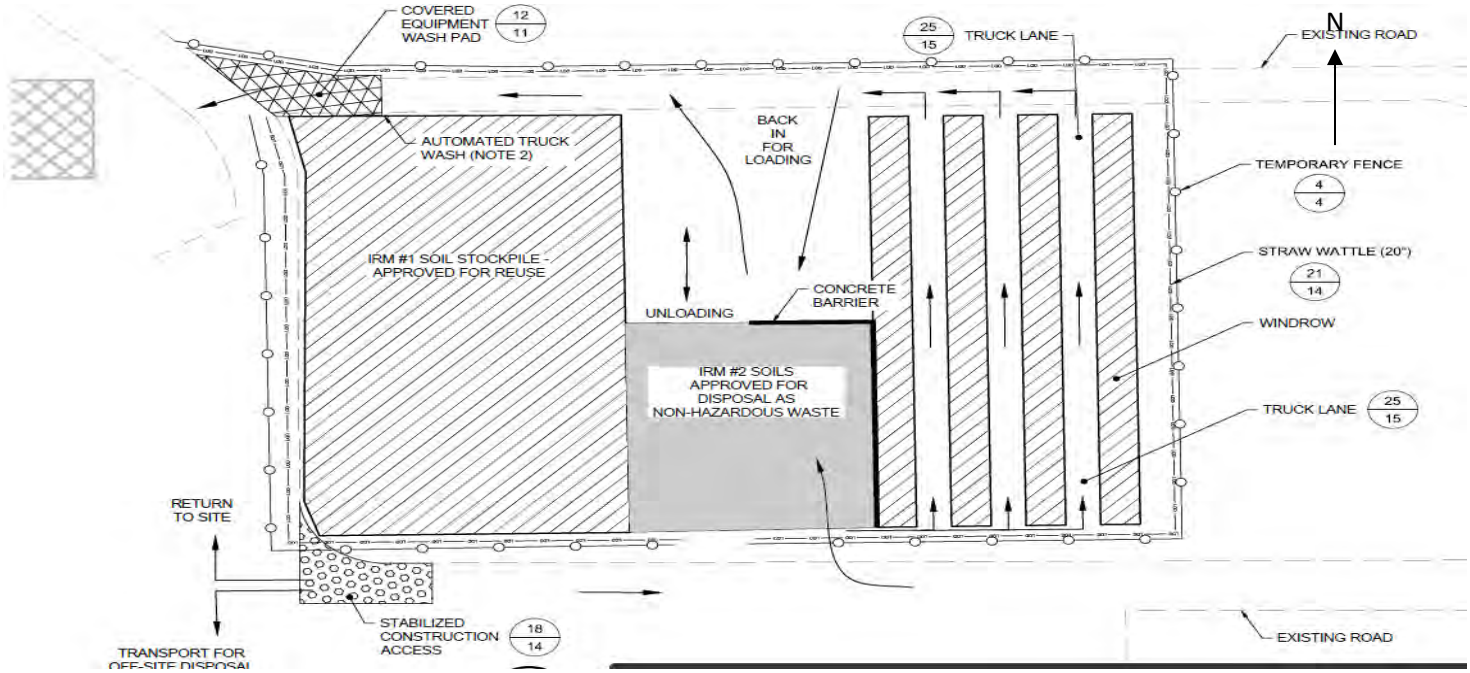
Report No.:	20	Project File:	MN0832D	Date:	6/26/2018

Site Map

Rear Parking Lot



MSA



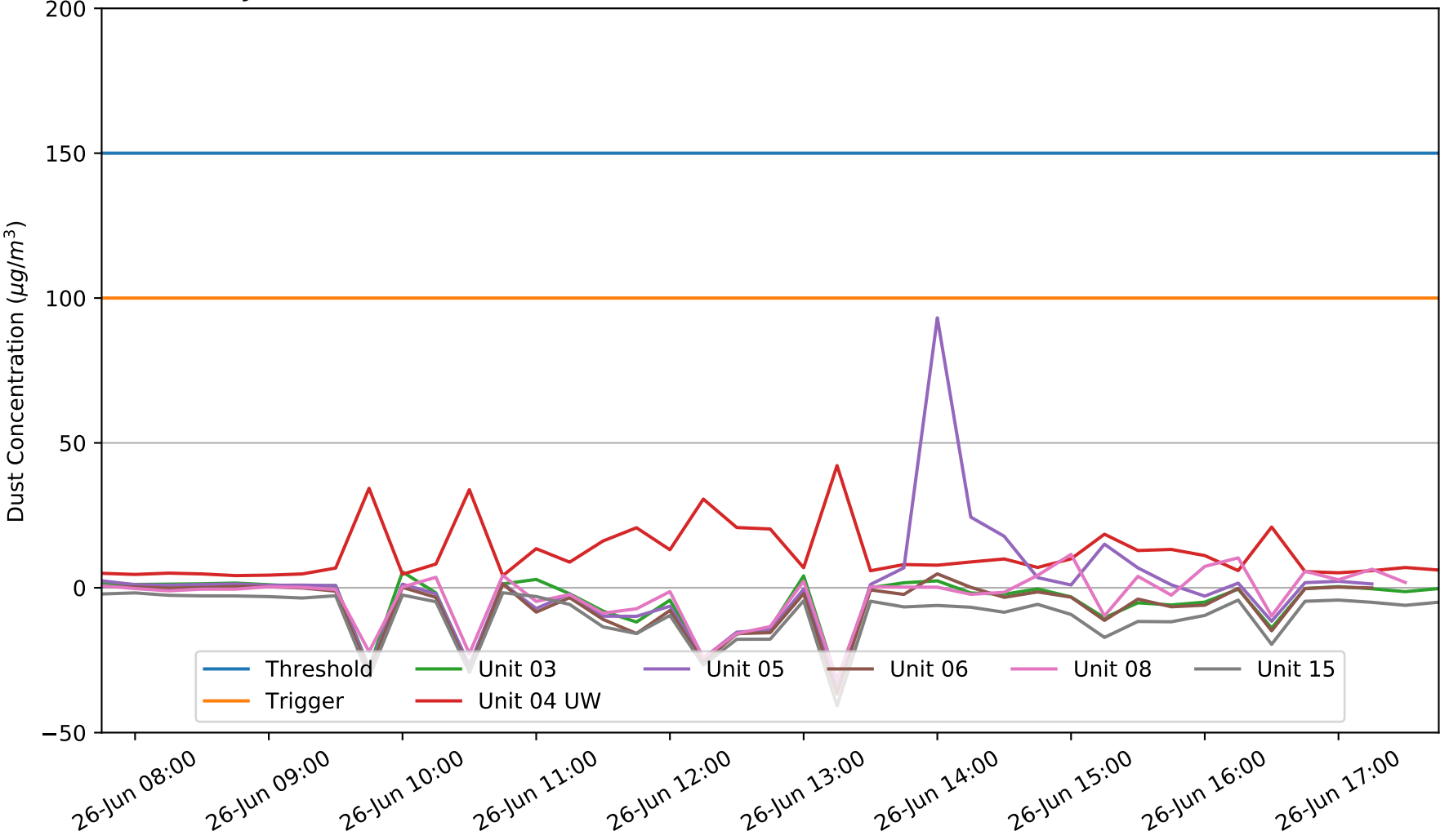
Dust Monitoring Data
RPL 26-Jun-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 04 UW	Unit 15	Unit 03	Unit 06	Unit 05	Unit 08	Threshold	Trigger
2018-06-26 07:45:00	4.99	-2.14	1.39	0.54	2.4	0.71	150	100
2018-06-26 08:00:00	4.6	-1.77	1.15	0.23	1.07	-0.28	150	100
2018-06-26 08:15:00	5.05	-2.6	1.24	-0.09	0.88	-1.05	150	100
2018-06-26 08:30:00	4.78	-2.8	1.37	0.08	1.13	-0.49	150	100
2018-06-26 08:45:00	4.2	-2.82	1.61	0.43	1.29	-0.49	150	100
2018-06-26 09:00:00	4.36	-3.06	1.05	0.34	0.84	0.35	150	100
2018-06-26 09:15:00	4.77	-3.54	0.5	-0.08	0.91	0.12	150	100
2018-06-26 09:30:00	6.8	-2.75	0.77	-1.15	0.75	-0.6	150	100
2018-06-26 09:45:00	34.33	-30.89	-27.54	-29.39	-28.15	-22.06	150	100
2018-06-26 10:00:00	4.66	-2.51	5.48	0.13	1.24	0.28	150	100
2018-06-26 10:15:00	8.19	-4.82	-1.79	-3.31	-2.07	3.62	150	100
2018-06-26 10:30:00	33.86	-29.2	-27.05	-28.52	-26.72	-22.75	150	100
2018-06-26 10:45:00	4.17	-1.72	1.33	1.36	1.48	4.25	150	100
2018-06-26 11:00:00	13.5	-3.03	2.88	-8.41	-7.15	-4.72	150	100
2018-06-26 11:15:00	8.84	-5.74	-2.07	-3.41	-2.14	-2.37	150	100
2018-06-26 11:30:00	16.15	-13.5	-8.05	-10.92	-9.81	-8.76	150	100
2018-06-26 11:45:00	20.72	-15.8	-11.82	-15.79	-9.86	-7.25	150	100
2018-06-26 12:00:00	13.12	-9.55	-4.27	-7.83	-6.37	-1.32	150	100
2018-06-26 12:15:00	30.61	-26.71	-24.31	-25.69	-24.33	-24.16	150	100
2018-06-26 12:30:00	20.79	-17.78	-15.99	-15.84	-15.32	-15.82	150	100
2018-06-26 12:45:00	20.29	-17.75	-13.93	-15.49	-14.6	-13.4	150	100
2018-06-26 13:00:00	6.93	-4.47	4.1	-2.05	-0.47	2.28	150	100
2018-06-26 13:15:00	42.18	-40.74	-32.04	-36.69	-34.72	-31.7	150	100
2018-06-26 13:30:00	5.87	-4.64	0.01	-0.74	1.14	0.32	150	100
2018-06-26 13:45:00	8.02	-6.61	1.72	-2.3	6.87	0.23	150	100
2018-06-26 14:00:00	7.79	-6.11	2.39	4.8	93.17	0.2	150	100
2018-06-26 14:15:00	8.91	-6.72	-1.8	0.16	24.39	-2.27	150	100
2018-06-26 14:30:00	9.94	-8.45	-2.24	-3.31	17.78	-1.57	150	100
2018-06-26 14:45:00	7.01	-5.72	-0.39	-1.43	3.5	4.27	150	100
2018-06-26 15:00:00	9.98	-9.21	-3.17	-3.24	0.96	11.53	150	100
2018-06-26 15:15:00	18.49	-17.14	-10.37	-11.27	15.06	-9.72	150	100
2018-06-26 15:30:00	12.86	-11.63	-5.19	-3.9	6.87	3.94	150	100
2018-06-26 15:45:00	13.23	-11.74	-5.94	-6.56	1.01	-2.56	150	100
2018-06-26 16:00:00	11.12	-9.55	-4.96	-6.01	-2.88	7.37	150	100
2018-06-26 16:15:00	5.92	-4.25	-0.47	-0.21	1.6	10.32	150	100
2018-06-26 16:30:00	20.96	-19.53	-13.92	-14.87	-11.54	-9.7	150	100
2018-06-26 16:45:00	5.59	-4.66	-0.27	-0.27	1.77	5.7	150	100
2018-06-26 17:00:00	5.17	-4.25	0.39	0.23	2.24	2.75	150	100
2018-06-26 17:15:00	5.9	-5.02	-0.35	-0.06	1.31	6.41	150	100
2018-06-26 17:30:00	6.99	-6.06	-1.34			1.84	150	100
2018-06-26 17:45:00	6.12	-4.99	-0.28				150	100

Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 26-Jun-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



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12, 6.81, 26.5, 36, 746, 00 , 10:30:03, 26-Jun-2018
13, 5.50, 27.9, 33, 746, 00 , 10:45:03, 26-Jun-2018
14, 16.38, 29.3, 30, 746, 00 , 11:00:03, 26-Jun-2018
15, 6.77, 29.7, 29, 746, 00 , 11:15:03, 26-Jun-2018
16, 8.10, 29.5, 29, 746, 00 , 11:30:03, 26-Jun-2018
17, 8.90, 29.2, 30, 746, 00 , 11:45:03, 26-Jun-2018
18, 8.85, 29.3, 30, 744, 00 , 12:00:03, 26-Jun-2018
19, 6.30, 29.5, 29, 744, 00 , 12:15:03, 26-Jun-2018
20, 4.80, 30.0, 28, 744, 00 , 12:30:03, 26-Jun-2018
21, 6.36, 30.7, 26, 744, 00 , 12:45:03, 26-Jun-2018
22, 11.03, 31.1, 26, 744, 00 , 13:00:03, 26-Jun-2018
23, 10.14, 31.4, 24, 744, 00 , 13:15:03, 26-Jun-2018
24, 5.88, 31.5, 24, 744, 00 , 13:30:03, 26-Jun-2018
25, 9.74, 31.9, 24, 744, 00 , 13:45:03, 26-Jun-2018
26, 10.18, 32.0, 24, 744, 00 , 14:00:03, 26-Jun-2018
27, 7.11, 32.4, 22, 744, 00 , 14:15:03, 26-Jun-2018
28, 7.70, 33.1, 22, 744, 00 , 14:30:03, 26-Jun-2018
29, 6.62, 33.6, 22, 744, 00 , 14:45:03, 26-Jun-2018
30, 6.81, 34.1, 22, 742, 00 , 15:00:03, 26-Jun-2018
31, 8.12, 34.0, 21, 742, 00 , 15:15:03, 26-Jun-2018
32, 7.67, 34.0, 21, 742, 00 , 15:30:03, 26-Jun-2018
33, 7.29, 34.1, 21, 742, 00 , 15:45:03, 26-Jun-2018
34, 6.16, 34.0, 21, 742, 00 , 16:00:03, 26-Jun-2018
35, 5.45, 34.1, 21, 742, 00 , 16:15:03, 26-Jun-2018
36, 7.04, 33.7, 22, 742, 00 , 16:30:03, 26-Jun-2018
37, 5.32, 33.3, 22, 742, 00 , 16:45:03, 26-Jun-2018
38, 5.56, 33.1, 23, 742, 00 , 17:00:03, 26-Jun-2018
39, 5.55, 32.8, 24, 742, 00 , 17:15:03, 26-Jun-2018
40, 5.65, 32.5, 24, 742, 00 , 17:30:03, 26-Jun-2018
41, 5.84, 32.4, 24, 742, 00 , 17:45:03, 26-Jun-2018

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"RH CORRECT ", "ENABLED "
"Max Disp ", 32.915497
"Max Disp @ ", 13:46:20 26-Jun-2018
"Max STEL ", 13.140215
"Max STEL @ ", 13:53:53 26-Jun-2018
"Avg point ", 5.747091
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags

1,	5.53,	13.6,	59,	746, 01 ,	07:45:03,	26-Jun-2018
2,	4.83,	14.0,	61,	746, 01 ,	08:00:03,	26-Jun-2018
3,	4.96,	15.0,	60,	746, 01 ,	08:15:03,	26-Jun-2018
4,	4.86,	17.1,	55,	746, 01 ,	08:30:03,	26-Jun-2018
5,	4.63,	20.2,	48,	746, 01 ,	08:45:03,	26-Jun-2018
6,	4.70,	22.6,	41,	746, 01 ,	09:00:03,	26-Jun-2018
7,	4.69,	24.2,	37,	746, 01 ,	09:15:03,	26-Jun-2018
8,	5.65,	24.2,	37,	746, 01 ,	09:30:03,	26-Jun-2018
9,	4.94,	24.5,	38,	746, 01 ,	09:45:03,	26-Jun-2018
10,	4.79,	25.4,	37,	746, 01 ,	10:00:03,	26-Jun-2018
11,	4.88,	26.7,	34,	746, 01 ,	10:15:03,	26-Jun-2018
12,	5.34,	28.4,	31,	746, 01 ,	10:30:03,	26-Jun-2018
13,	5.53,	30.0,	29,	746, 01 ,	10:45:03,	26-Jun-2018
14,	5.09,	31.2,	26,	746, 01 ,	11:00:03,	26-Jun-2018
15,	5.43,	31.5,	26,	746, 01 ,	11:15:03,	26-Jun-2018
16,	5.23,	31.1,	26,	746, 01 ,	11:30:03,	26-Jun-2018
17,	4.93,	31.1,	27,	746, 01 ,	11:45:03,	26-Jun-2018
18,	5.29,	31.4,	26,	746, 01 ,	12:00:03,	26-Jun-2018
19,	4.92,	31.7,	25,	746, 01 ,	12:15:03,	26-Jun-2018
20,	4.95,	32.1,	24,	746, 01 ,	12:30:03,	26-Jun-2018
21,	4.80,	32.4,	23,	746, 01 ,	12:45:03,	26-Jun-2018
22,	4.88,	32.9,	23,	746, 01 ,	13:00:03,	26-Jun-2018
23,	5.49,	33.4,	21,	746, 01 ,	13:15:03,	26-Jun-2018
24,	5.13,	33.3,	21,	746, 01 ,	13:30:03,	26-Jun-2018
25,	5.72,	33.7,	21,	744, 01 ,	13:45:03,	26-Jun-2018
26,	12.59,	33.6,	20,	744, 01 ,	14:00:03,	26-Jun-2018
27,	9.07,	33.3,	20,	744, 01 ,	14:15:03,	26-Jun-2018
28,	6.63,	33.1,	21,	744, 01 ,	14:30:03,	26-Jun-2018
29,	5.58,	33.4,	22,	744, 01 ,	14:45:03,	26-Jun-2018
30,	6.74,	33.6,	22,	744, 01 ,	15:00:03,	26-Jun-2018
31,	7.22,	33.4,	21,	744, 01 ,	15:15:03,	26-Jun-2018
32,	8.96,	33.2,	21,	744, 01 ,	15:30:03,	26-Jun-2018
33,	6.67,	32.9,	21,	744, 01 ,	15:45:03,	26-Jun-2018
34,	5.11,	32.5,	22,	744, 01 ,	16:00:03,	26-Jun-2018
35,	5.71,	33.2,	22,	744, 01 ,	16:15:03,	26-Jun-2018
36,	6.09,	33.0,	21,	744, 01 ,	16:30:03,	26-Jun-2018
37,	5.32,	32.4,	22,	744, 01 ,	16:45:03,	26-Jun-2018
38,	5.40,	31.9,	23,	744, 01 ,	17:00:03,	26-Jun-2018
39,	5.84,	31.5,	24,	744, 01 ,	17:15:03,	26-Jun-2018

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 13:49:17 26-Jun-2018
"Max STEL ", 105.943894
"Max STEL @ ", 13:59:03 26-Jun-2018
"Avg point ", 12.004143
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 7.39, 14.7, 48, 744, 01 , 07:45:03, 26-Jun-2018
2, 5.67, 20.1, 37, 744, 00 , 08:00:03, 26-Jun-2018
3, 5.93, 24.7, 26, 744, 00 , 08:15:03, 26-Jun-2018
4, 5.91, 28.3, 19, 744, 00 , 08:30:03, 26-Jun-2018
5, 5.49, 31.6, 15, 744, 00 , 08:45:03, 26-Jun-2018
6, 5.20, 34.2, 13, 744, 00 , 09:00:03, 26-Jun-2018
7, 5.68, 35.9, 10, 744, 00 , 09:15:03, 26-Jun-2018
8, 7.55, 34.9, 11, 744, 00 , 09:30:03, 26-Jun-2018
9, 6.18, 32.9, 14, 744, 00 , 09:45:03, 26-Jun-2018
10, 5.90, 31.7, 16, 744, 00 , 10:00:03, 26-Jun-2018
11, 6.12, 30.9, 17, 744, 00 , 10:15:03, 26-Jun-2018
12, 7.14, 30.7, 17, 744, 00 , 10:30:03, 26-Jun-2018
13, 5.65, 30.9, 17, 744, 00 , 10:45:03, 26-Jun-2018
14, 6.35, 31.7, 16, 744, 00 , 11:00:03, 26-Jun-2018
15, 6.70, 32.1, 16, 744, 00 , 11:15:03, 26-Jun-2018
16, 6.34, 31.9, 15, 744, 00 , 11:30:03, 26-Jun-2018
17, 10.86, 31.3, 16, 744, 00 , 11:45:03, 26-Jun-2018
18, 6.75, 31.3, 16, 742, 00 , 12:00:03, 26-Jun-2018
19, 6.28, 31.6, 15, 742, 00 , 12:15:03, 26-Jun-2018
20, 5.47, 31.8, 15, 742, 00 , 12:30:03, 26-Jun-2018
21, 5.69, 31.7, 14, 742, 00 , 12:45:03, 26-Jun-2018
22, 6.46, 31.6, 15, 742, 00 , 13:00:03, 26-Jun-2018
23, 7.46, 31.7, 13, 742, 00 , 13:15:03, 26-Jun-2018
24, 7.01, 31.6, 14, 742, 00 , 13:30:03, 26-Jun-2018
25, 14.89, 31.8, 14, 742, 00 , 13:45:03, 26-Jun-2018
26, 100.96, 32.1, 13, 742, 00 , 14:00:03, 26-Jun-2018
27, 33.30, 32.0, 13, 742, 00 , 14:15:03, 26-Jun-2018
28, 27.72, 31.9, 13, 742, 00 , 14:30:03, 26-Jun-2018
29, 10.51, 32.2, 14, 742, 00 , 14:45:03, 26-Jun-2018
30, 10.94, 32.3, 14, 742, 00 , 15:00:03, 26-Jun-2018
31, 33.55, 32.3, 13, 740, 00 , 15:15:03, 26-Jun-2018
32, 19.73, 32.2, 13, 740, 00 , 15:30:03, 26-Jun-2018
33, 14.24, 32.0, 13, 740, 00 , 15:45:03, 26-Jun-2018
34, 8.24, 31.8, 13, 740, 00 , 16:00:03, 26-Jun-2018
35, 7.52, 31.6, 14, 740, 00 , 16:15:03, 26-Jun-2018
36, 9.42, 31.8, 14, 740, 00 , 16:30:03, 26-Jun-2018
37, 7.36, 32.0, 13, 740, 00 , 16:45:03, 26-Jun-2018
38, 7.41, 32.2, 14, 740, 00 , 17:00:03, 26-Jun-2018
39, 7.21, 32.9, 14, 740, 00 , 17:15:03, 26-Jun-2018

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 14:53:37 26-Jun-2018
"Max STEL ", 24.523740
"Max STEL @ ", 16:02:03 26-Jun-2018
"Avg point ", 9.127652
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 5.70, 8.9, 70, 746, 01 , 07:45:03, 26-Jun-2018
2, 4.32, 8.3, 77, 746, 00 , 08:00:03, 26-Jun-2018
3, 4.00, 8.7, 78, 746, 00 , 08:15:03, 26-Jun-2018
4, 4.29, 9.6, 75, 746, 00 , 08:30:03, 26-Jun-2018
5, 3.71, 10.5, 73, 746, 00 , 08:45:03, 26-Jun-2018
6, 4.71, 12.0, 70, 746, 00 , 09:00:03, 26-Jun-2018
7, 4.89, 13.8, 62, 746, 00 , 09:15:03, 26-Jun-2018
8, 6.20, 16.0, 58, 746, 00 , 09:30:03, 26-Jun-2018
9, 12.27, 17.9, 50, 746, 00 , 09:45:03, 26-Jun-2018
10, 4.94, 19.5, 47, 746, 00 , 10:00:03, 26-Jun-2018
11, 11.81, 21.0, 44, 746, 00 , 10:15:03, 26-Jun-2018
12, 11.11, 22.2, 42, 744, 00 , 10:30:03, 26-Jun-2018
13, 8.42, 23.6, 39, 744, 00 , 10:45:03, 26-Jun-2018
14, 8.78, 25.2, 36, 744, 00 , 11:00:03, 26-Jun-2018
15, 6.47, 26.5, 33, 744, 00 , 11:15:03, 26-Jun-2018
16, 7.39, 27.3, 31, 744, 00 , 11:30:03, 26-Jun-2018
17, 13.47, 27.5, 31, 744, 00 , 11:45:03, 26-Jun-2018
18, 11.80, 27.9, 31, 744, 00 , 12:00:03, 26-Jun-2018
19, 6.45, 28.2, 29, 744, 00 , 12:15:03, 26-Jun-2018
20, 4.97, 28.7, 29, 744, 00 , 12:30:03, 26-Jun-2018
21, 6.89, 29.2, 27, 744, 00 , 12:45:03, 26-Jun-2018
22, 9.21, 29.9, 27, 744, 00 , 13:00:03, 26-Jun-2018
23, 10.48, 30.6, 24, 744, 00 , 13:15:03, 26-Jun-2018
24, 6.19, 31.4, 23, 744, 00 , 13:30:03, 26-Jun-2018
25, 8.25, 32.5, 21, 742, 00 , 13:45:03, 26-Jun-2018
26, 7.99, 32.7, 20, 742, 00 , 14:00:03, 26-Jun-2018
27, 6.64, 32.9, 19, 742, 00 , 14:15:03, 26-Jun-2018
28, 8.37, 33.0, 19, 742, 00 , 14:30:03, 26-Jun-2018
29, 11.28, 33.7, 20, 742, 00 , 14:45:03, 26-Jun-2018
30, 21.51, 34.1, 20, 742, 00 , 15:00:03, 26-Jun-2018
31, 8.77, 34.3, 19, 742, 00 , 15:15:03, 26-Jun-2018
32, 16.80, 34.4, 19, 742, 00 , 15:30:03, 26-Jun-2018
33, 10.67, 34.2, 18, 742, 00 , 15:45:03, 26-Jun-2018
34, 18.49, 33.7, 19, 742, 00 , 16:00:03, 26-Jun-2018
35, 16.24, 34.6, 19, 742, 00 , 16:15:03, 26-Jun-2018
36, 11.26, 34.7, 19, 742, 00 , 16:30:03, 26-Jun-2018
37, 11.29, 34.7, 19, 742, 00 , 16:45:03, 26-Jun-2018
38, 7.92, 35.1, 19, 742, 00 , 17:00:03, 26-Jun-2018
39, 12.31, 35.2, 19, 742, 00 , 17:15:03, 26-Jun-2018
40, 8.83, 35.0, 19, 742, 00 , 17:30:03, 26-Jun-2018

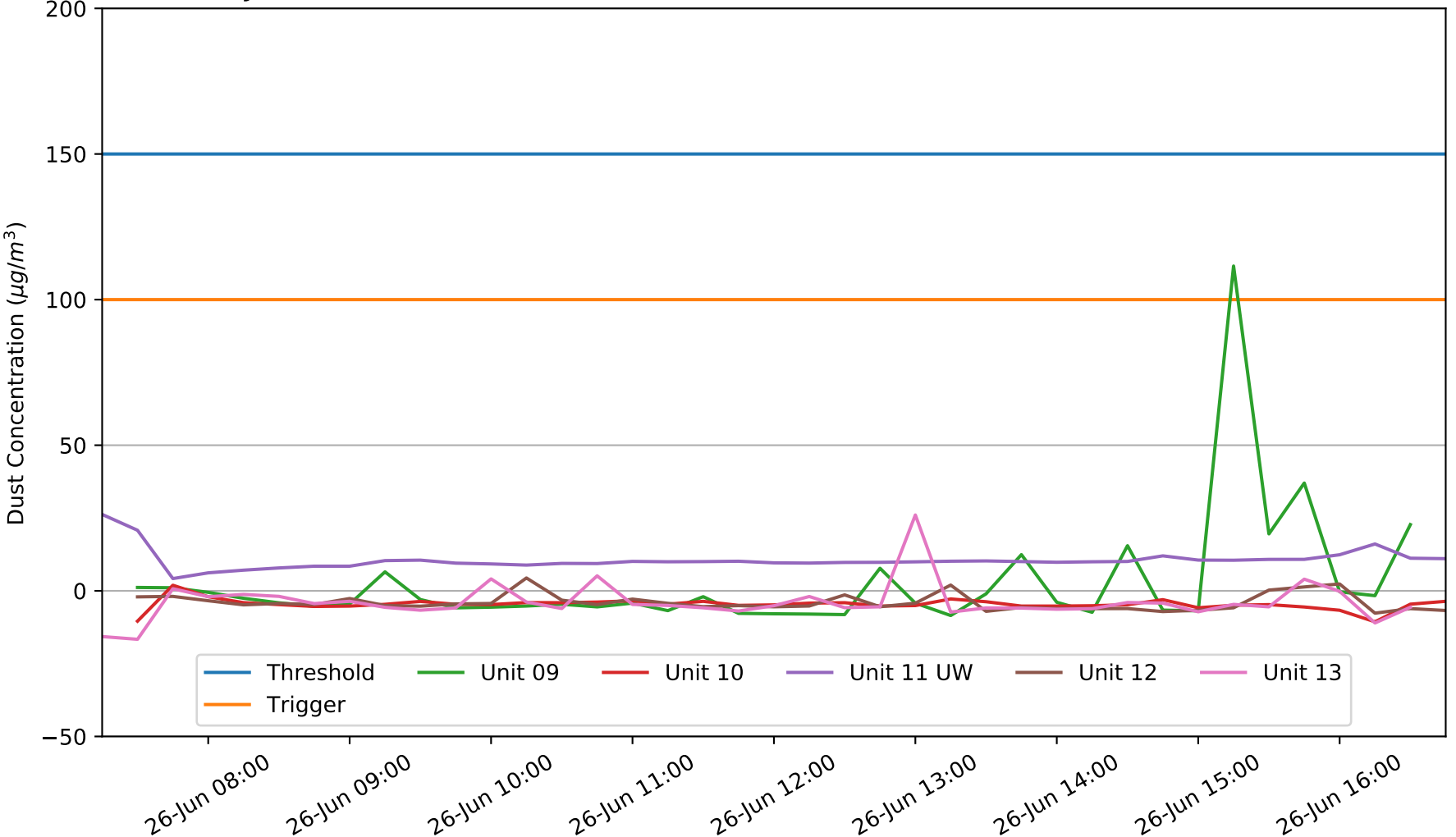
Dust Monitoring Data
MSA 26-Jun-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 12	Unit 13	Unit 11 UW	Unit 09	Unit 10	Threshold	Trigger
2018-06-26 07:15:00		-15.7	26.24			150	100
2018-06-26 07:30:00	-2.07	-16.64	20.8	1.16	-10.41	150	100
2018-06-26 07:45:00	-1.91	0.73	4.21	1.06	1.92	150	100
2018-06-26 08:00:00	-3.4	-2.01	6.18	-0.52	-2.02	150	100
2018-06-26 08:15:00	-4.81	-1.23	7.1	-2.56	-4.05	150	100
2018-06-26 08:30:00	-4.34	-1.9	7.86	-4.11	-4.73	150	100
2018-06-26 08:45:00	-4.7	-4.38	8.46	-5.31	-5.36	150	100
2018-06-26 09:00:00	-2.64	-3.59	8.46	-4.54	-5.24	150	100
2018-06-26 09:15:00	-5.05	-5.66	10.38	6.52	-4.63	150	100
2018-06-26 09:30:00	-5.27	-6.65	10.54	-2.99	-3.63	150	100
2018-06-26 09:45:00	-4.49	-5.87	9.51	-5.84	-4.62	150	100
2018-06-26 10:00:00	-4.34	4.1	9.24	-5.61	-4.72	150	100
2018-06-26 10:15:00	4.42	-3.84	8.84	-5.22	-4.03	150	100
2018-06-26 10:30:00	-3.2	-6.07	9.42	-4.61	-4.07	150	100
2018-06-26 10:45:00	-4.72	5.16	9.37	-5.51	-3.85	150	100
2018-06-26 11:00:00	-2.84	-4.66	10.11	-4.21	-3.41	150	100
2018-06-26 11:15:00	-4.29	-5.02	9.98	-6.8	-4.57	150	100
2018-06-26 11:30:00	-5.43	-5.82	10.04	-2	-3.61	150	100
2018-06-26 11:45:00	-5.08	-6.93	10.16	-7.73	-4.99	150	100
2018-06-26 12:00:00	-5.48	-5.11	9.61	-7.88	-4.82	150	100
2018-06-26 12:15:00	-5.21	-1.95	9.53	-7.98	-4.22	150	100
2018-06-26 12:30:00	-1.39	-5.77	9.76	-8.16	-4.07	150	100
2018-06-26 12:45:00	-5.46	-5.49	9.79	7.75	-5.23	150	100
2018-06-26 13:00:00	-4.24	26.05	9.96	-4.23	-5.06	150	100
2018-06-26 13:15:00	1.98	-7.29	10.17	-8.48	-2.79	150	100
2018-06-26 13:30:00	-7.04	-5.87	10.27	-1.03	-3.74	150	100
2018-06-26 13:45:00	-5.7	-5.92	10.05	12.43	-5.23	150	100
2018-06-26 14:00:00	-6.1	-6.31	9.81	-3.93	-5.23	150	100
2018-06-26 14:15:00	-6.11	-6.13	9.98	-7.36	-5.12	150	100
2018-06-26 14:30:00	-6.09	-4.01	10.09	15.5	-4.78	150	100
2018-06-26 14:45:00	-7.12	-4.21	12.01	-6.62	-3.03	150	100
2018-06-26 15:00:00	-6.67	-7.19	10.56	-6.87	-5.81	150	100
2018-06-26 15:15:00	-5.82	-4.65	10.51	111.54	-4.95	150	100
2018-06-26 15:30:00	0.25	-5.5	10.8	19.55	-4.73	150	100
2018-06-26 15:45:00	1.34	4.01	10.81	37.02	-5.55	150	100
2018-06-26 16:00:00	2.36	-0.17	12.39	-0.34	-6.67	150	100
2018-06-26 16:15:00	-7.67	-11.03	16.09	-1.66	-10.63	150	100
2018-06-26 16:30:00	-6.1	-5.64	11.2	22.74	-4.58	150	100
2018-06-26 16:45:00	-6.75		11.05		-3.6	150	100

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 26-Jun-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



>"Model Number", "PDR-1500", 01.34
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"Tag Number ", 11
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"Start Date ", 26-Jun-2018
"Log Period ", 00:15:00
"Number ", 38
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 131.283665
"Max Disp @ ", 10:03:04 26-Jun-2018
"Max STEL ", 20.303798
"Max STEL @ ", 15:56:13 26-Jun-2018
"Avg point ", 6.156169
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
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2, 2.30, 7.0, 75, 746, 00 , 07:45:03, 26-Jun-2018
3, 2.78, 8.0, 72, 746, 00 , 08:00:03, 26-Jun-2018
4, 2.29, 9.3, 70, 746, 00 , 08:15:03, 26-Jun-2018
5, 3.52, 12.1, 62, 746, 00 , 08:30:03, 26-Jun-2018
6, 3.76, 14.9, 55, 746, 00 , 08:45:03, 26-Jun-2018
7, 5.82, 16.4, 50, 746, 00 , 09:00:03, 26-Jun-2018
8, 5.33, 17.3, 48, 746, 00 , 09:15:03, 26-Jun-2018
9, 5.27, 17.7, 47, 746, 00 , 09:30:03, 26-Jun-2018
10, 5.02, 17.7, 48, 746, 00 , 09:45:03, 26-Jun-2018
11, 4.90, 18.4, 47, 746, 00 , 10:00:03, 26-Jun-2018
12, 13.26, 19.0, 47, 746, 00 , 10:15:03, 26-Jun-2018
13, 6.22, 19.6, 46, 746, 00 , 10:30:03, 26-Jun-2018
14, 4.65, 21.2, 43, 746, 00 , 10:45:03, 26-Jun-2018
15, 7.27, 22.2, 39, 746, 00 , 11:00:03, 26-Jun-2018
16, 5.69, 22.6, 38, 746, 00 , 11:15:03, 26-Jun-2018
17, 4.61, 23.4, 38, 746, 00 , 11:30:03, 26-Jun-2018
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26, 4.35, 28.1, 27, 744, 00 , 13:45:03, 26-Jun-2018
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36, 8.42, 26.9, 30, 744, 00 , 16:15:03, 26-Jun-2018
37, 5.10, 26.8, 30, 744, 00 , 16:30:03, 26-Jun-2018
38, 4.30, 26.4, 30, 744, 00 , 16:45:03, 26-Jun-2018

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36, 12.22, 34.5, 23, 742, 00 , 16:14:03, 26-Jun-2018
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6, 7.86, 23.3, 39, 746, 00 , 08:30:03, 26-Jun-2018
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14, 9.42, 30.7, 28, 746, 00 , 10:30:03, 26-Jun-2018
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35, 10.81, 32.4, 22, 742, 00 , 15:45:03, 26-Jun-2018
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DAILY OBSERVATION REPORT

Report No.:	21	Project File:	MN0832D	Date:	6/27/2018

Geosyntec consultants

engineers | scientists | innovators

Beech and Bonaparte engineering p.c.

an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: James Burnett

Site Representative: Ashwin Ranna, Matt Schallinger

Contractor: Recon

Arrive at Site: 0600hrs. Leave Site: 1830 hrs.

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Rain	am	Intermittent showers	pm
Temperature:	57° F	am	70° F	pm
Wind Direction:	6 S	am	6 S	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☐	N/A ☒
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☒	No ☐	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☐	N/A ☒
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☐	N/A ☒

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 21 Project File: MN0832D Date: 6/27/2018

Materials Imported and Removed from Work Areas

Soil Removal:

Total Loads today: 0 Total Loads to date: 24

Weight: 0 Tons Total Weight to date: ~552 Tons

Imported #2 (2-3+2)Run of Crusher:

Total Loads today: 6 Total Loads to date:11

Weight: 130.69 Tons Total Weight to date: 213 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date:5

Weight: 0Tons Total Weight to date: 132 Tons

Imported Common Fill:

Total Loads today: 1 Total Loads to date: 66

Weight: 21.42 Tons Total Weight to date: 1418 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0600. Attended Recon safety meeting. Matthew Schallinger Jay Thompson, and Karl Wuolo-Journey on site from Geosyntec on site. Jim Burnett was not feeling well and was not onsite. Tailgate safety meeting on Driving Safety was held.
- Recon began preparation to shift the automatic truck wash at the TSCA loading area. A temporary truck wash was constructed at the TSCA loading area.
- Sheet piling truck was unloaded on site by crane and machine was moved to begin sheet piling.
- Rain was occurring in the morning and showers were predicted throughout the day, so dust monitors were not deployed. PUF samplers were set up.
- Recon began unloading sheet piling and setting up to drive sheet pile. Sheets supplied were cut to place blanks around storm drain near EHS STCC fence.

Report No.:	21	Project File:	MN0832D	Date:	6/27/2018

- Recon dismantled the Truck wash and excavated the sump at the new location. Material generated was placed on top of poly and covered with poly in the MSA.
- Geosyntec continued to collect delineation samples through the rear parking lot, focusing on 0-2 samples. Attempts were made to collect exposed 2-4 samples in the bottom of the excavated areas but were aborted after multiple refusals. DPT rig is expected to be on site tomorrow.
- Recon conveyed the need to include waste characterization samples ids associated with the waste on the hazardous waste manifests. Geosyntec reviewed and provided a list of the characterization samples associated with the material sent out to date.
- Sheet piling and moving of TSCA overlay material continued throughout the day. Concrete sidewalks were broken up and will be moved to the MSA

PM

- Recon broke for lunch between 1200 and 1230
- SW of DEC was on site at 1245. He reviewed the shifted truck wash and observed the TSCA loading area as well as the sheet piling effort. He took note of the Sheet pile layout lines marked on the ground and inspected the sheet pile driving equipment. He observed the PUF samplers on site. He asked about the progress of excavation in the area adjacent to the school and plans for next day's workplan. He noted down the concrete blocks exposed in the 0-2'excavation and requested for review a copy of the historical buildings overlaid onto the current site map. SW left site at 1400.
- Amanda Castignetti from Sterling Environmental arrived on site to inspect the excavation work progress at 1500. She reviewed the site work progress and had queries about the nature and extent of excavation and material handling plans. She said she would be visiting site weekly and reviewing work progress in order to monitor soil management practices on site on behalf of the school district for the EMP and to coordinate the Capital improvements in the parking lot area with IRM #2 activities. She said she would be back tomorrow in the morning to review the dust monitoring sampling at the intakes.
- Recon provided a mini excavator to collect the deeper samples in phase 1. After the truck wash was moved all crew members not associated with the sheet piling left site. Sheet piling continued till 1700. Recon left site at 1730.
- Geosyntec completed sampling and collected PUF samples. Samples were packed and shipped by FedEx at 1845. Geosyntec shut down site and left at 1830.

Report No.: 21 Project File: MN0832D Date: 6/27/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Tom Tanner
- Bill Abraczisnkas
- Brad
- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Phil
- Rich Tonnucour
- (Recon labor) X17
- Crane operators (Recon subcontractors)
- Rain for rent X 3(Recon subcontractors)

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- 8x40 Office Trailer
- Portable Toilets
- Hand Wash Stations
- ST-197 Dodge Ram Work Truck
- 8x20 Storage Box
- Trimble GPS System (Base, Rover, Data Collector)
- 8x20 Office Trailer
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 Containments
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Vibratory Hammer
- Roller
- Site F250
- Sheet piling crane.

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	DEC	Yes
Amanda Castagnetti	Sterling Environmental	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Substantial Completion Date: NA
Completion Date: NA

ITEMS OF CONCERN:

Vibration monitors are set up against the school building and alerts issued occurred during excavation with mini excavator around the base of the monitors. Sheet piling is still being driven at the perimeter of the EHS and STCC and no alerts occurred during driving the sheet piles.

DAILY OBSERVATION REPORT

Report No.:	21	Project File:	MN0832D	Date:	6/27/2018

Site Representative: Ashwin Ranna

Date: 6/27/2018

Name: (*signature*)



:

Report No.: 21 Project File: MN0832D Date: 6/27/2018

Photo Log
Date : 6/27/2018

	
Sheet piling along EHS STCC perimeter	Broken up concrete paving
	
Liner for truck wash	Completed temporary truck wash

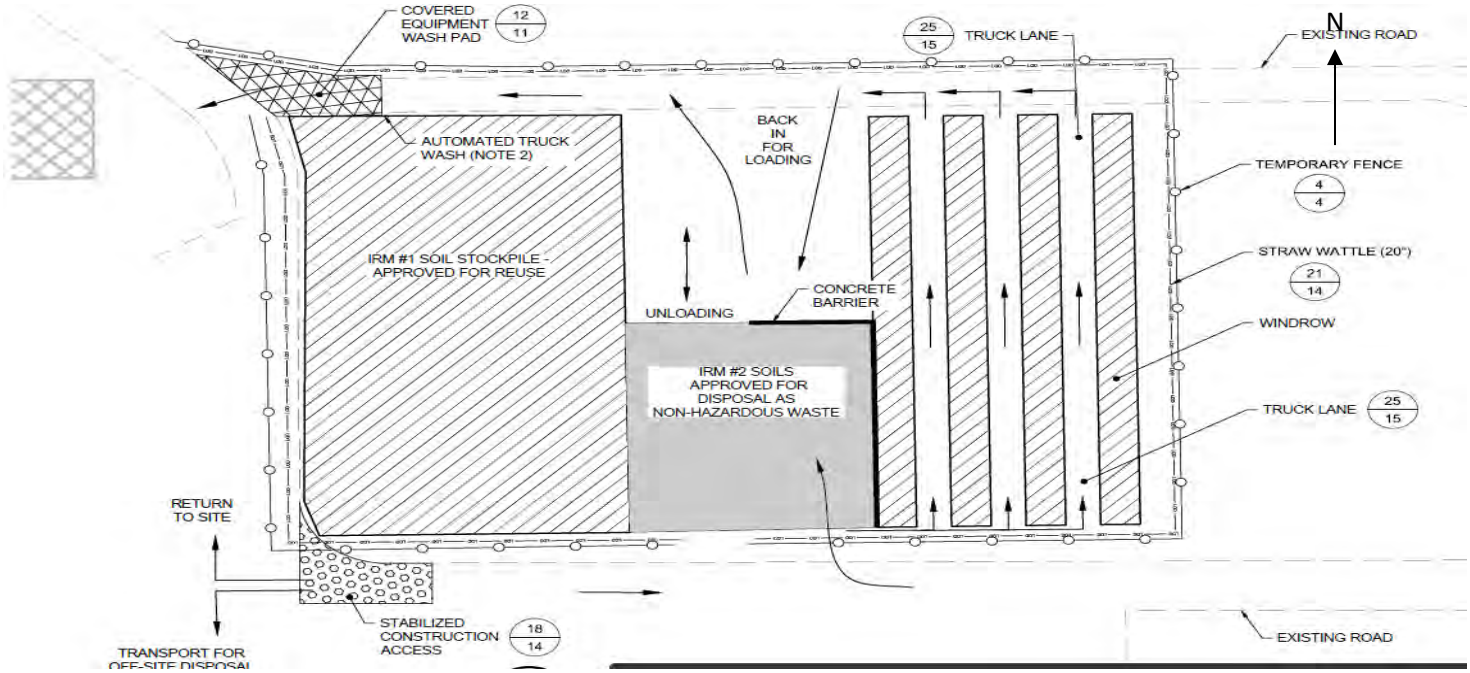
Report No.:	21	Project File:	MN0832D	Date:	6/27/2018

Site Map

Rear Parking Lot



MSA



DAILY OBSERVATION REPORT

Report No.:	22	Project File:	MN0832D	Date:	6/28/2018

Geosyntec consultants

engineers | scientists | innovators

Beech and Bonaparte engineering p.c.

an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: James Burnett

Site Representative: Ashwin Ranna, Matt Schallinger

Contractor: Recon

Arrive at Site: 0600hrs. Leave Site: 1900 hrs.

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Cloudy	am	Partly Cloudy	pm
Temperature:	63° F	am	76° F	pm
Wind Direction:	0 N	am	10 N	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☒	No ☐	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 22 Project File: MN0832D Date: 6/28/2018

Materials Imported and Removed from Work Areas

Soil Removal:

Total Loads today: 13 Total Loads to date: 37

Weight: 286 Tons Total Weight to date: ~832 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date:11

Weight: 0 Tons Total Weight to date: 213 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date:5

Weight: 0Tons Total Weight to date: 132 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: 66

Weight: 0 Tons Total Weight to date: 1418 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0600. Attended Recon safety meeting. Matthew Schallinger, Jay Thompson, Karl Wuolo Younger and Jim Burnett were on site. Held safety tailgate meeting for Geosyntec.
- Recon unloaded the sheet pile in the MSA and began sheet piling. TSCA trucks started arriving from 0700 and were loaded Jim Burnett observed loading of trucks and manifested. Dust monitors were calibrated and deployed. Tisch samplers were deployed across the site. Sheet piling continued on site while trucks were being loaded. Sheet pile was driven along the STCC/EHS perimeter line.
- Amanda Castignetti arrived on site and inspected the roof dust monitors and dust monitors across site. She indicated that she would be observing excavation from time to time. She mentioned that she performed a school inspection and had closed some windows that were left ajar facing onto the RPL. She also conveyed that Dom Insogna had placed caution tape across the doors opening out into the RPL from the inside of the school.

Report No.:	22	Project File:	MN0832D	Date:	6/28/2018

- JT and KWJ organized and started collecting samples with the drill rig after it arrived on site at 0900. Samples were collected throughout the day with higher priority placed on collecting Phase 1 samples. Collected samples were placed on ice.
- Recon started receiving item 4 material at the STCC. Material was stored at the south end of STCC on top of geotextile.
- Recon continued loading trucks till 1200. 13 TSCA trucks were loaded today. Two trucks had issues getting off the loading pad and one truck caught a wheel on the edge of the truck wash.

PM

- Recon broke for lunch between 1200 and 1230
- Recon began excavating 2-4 TSCA material in phase 3 area (south) to collect material for loadout tomorrow. Material excavated was stored behind sheet piles. Non Haz material excavation in the 0-2 feet depth in phase 1 was also excavated and sent to the MSA. TSCA overlay material was collected on plastic in the RPL.
- Dom Insogna dropped by the site around 1230. He was checking in on work progress and let me know that he would send a copy of the updated EHS work schedule to us so that we could coordinate work going forward. Rain occurred on site during the afternoon. Dust monitors were collected and carried indoors while still running. Amanda Castignetti returned to site in the afternoon to document the excavation and loadout of materials. She had additional queries about the Tisch samplers and the analytes being tested by the samplers
- Drill rig left site at1600. Overlay piles were sampled and samples were packed and prepared to be shipped.
- Sheet piling continued till 1700. Recon left site at 1730. Piles were covered at end of day. Dust monitors were collected, and data downloaded. Geosyntec completed sampling and collected PUF samples. Samples were packed and shipped by FedEx at 1900. Geosyntec shut down site and left at 1830.

Report No.:	22	Project File:	MN0832D	Date:	6/28/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Brad
- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Phil
- Rich Tonnucour
- (Recon labor) X17
- Crane operator (Recon subcontractors)

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- 8x40 Office Trailer
- Portable Toilets
- Hand Wash Stations
- ST-197 Dodge Ram Work Truck
- 8x20 Storage Box
- Trimble GPS System (Base, Rover, Data Collector)
- 8x20 Office Trailer
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 Containments
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Vibratory Hammer
- Roller
- Site F250
- Sheet piling crane.

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Amanda Castignetti	Sterling Environmental	Yes
Dom Insogna	EHS	No

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Substantial Completion Date: NA
Completion Date: NA

ITEMS OF CONCERN:

Dust monitors 13 and 12 record an exceedance at the time they were taken in from the rain. This was likely caused during collection and redeployment. Going forward if monitors must be pulled due to weather events the monitors will be paused during collection.

DAILY OBSERVATION REPORT

Report No.:	22	Project File:	MN0832D	Date:	6/28/2018

Site Representative: Ashwin Ranna

Date: 6/28/2018

Name: (*signature*)



:

Report No.: 22 Project File: MN0832D Date: 6/28/2018

Photo Log
Date : 6/28/2018

	
Sheet pile unloading	Loading of TSCA trucks
	
MSA NON Haz stockpile	Unloading Item 4 on geotextile in STCC

Report No.: 22 Project File: MN0832D Date: 6/28/2018

	
Sheet piling progress along perimeter	Excavation 2-4 foot within TSCA delineation

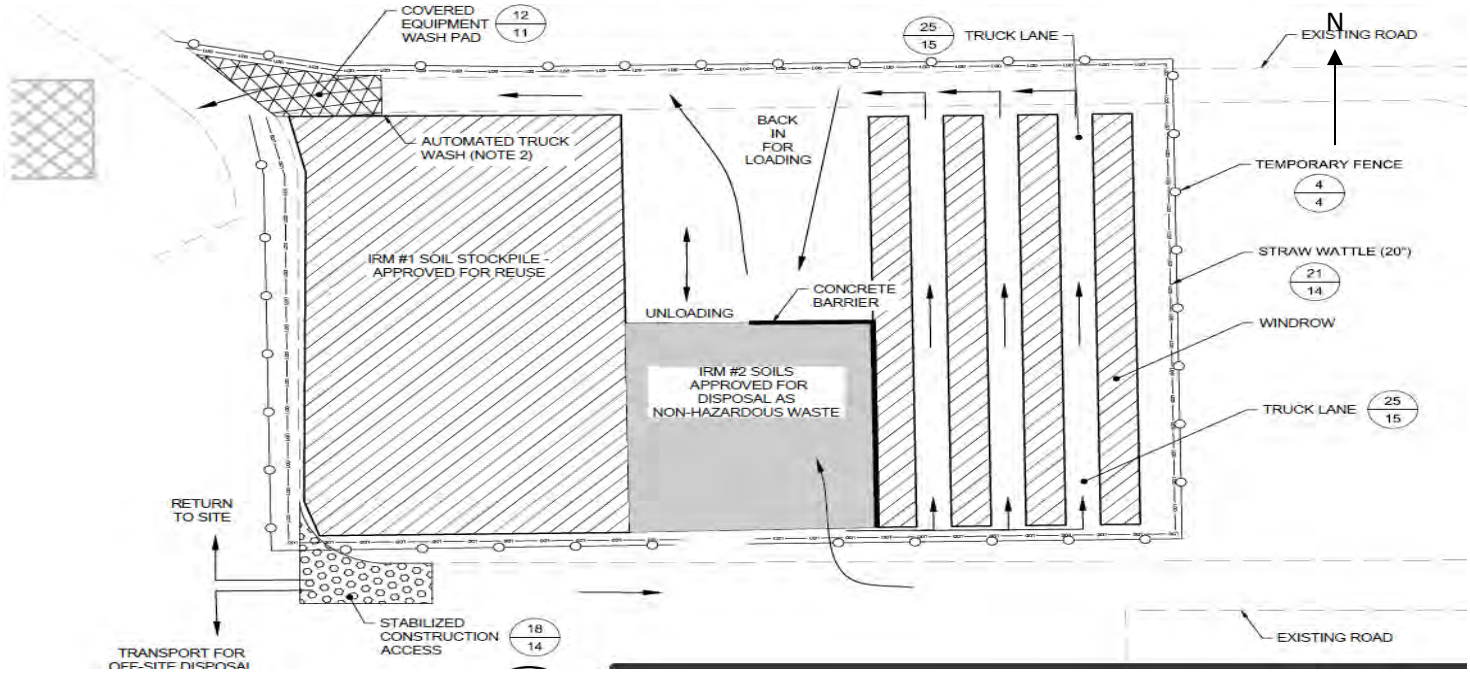
Report No.:	22	Project File:	MN0832D	Date:	6/28/2018

Site Map

Rear Parking Lot



MSA



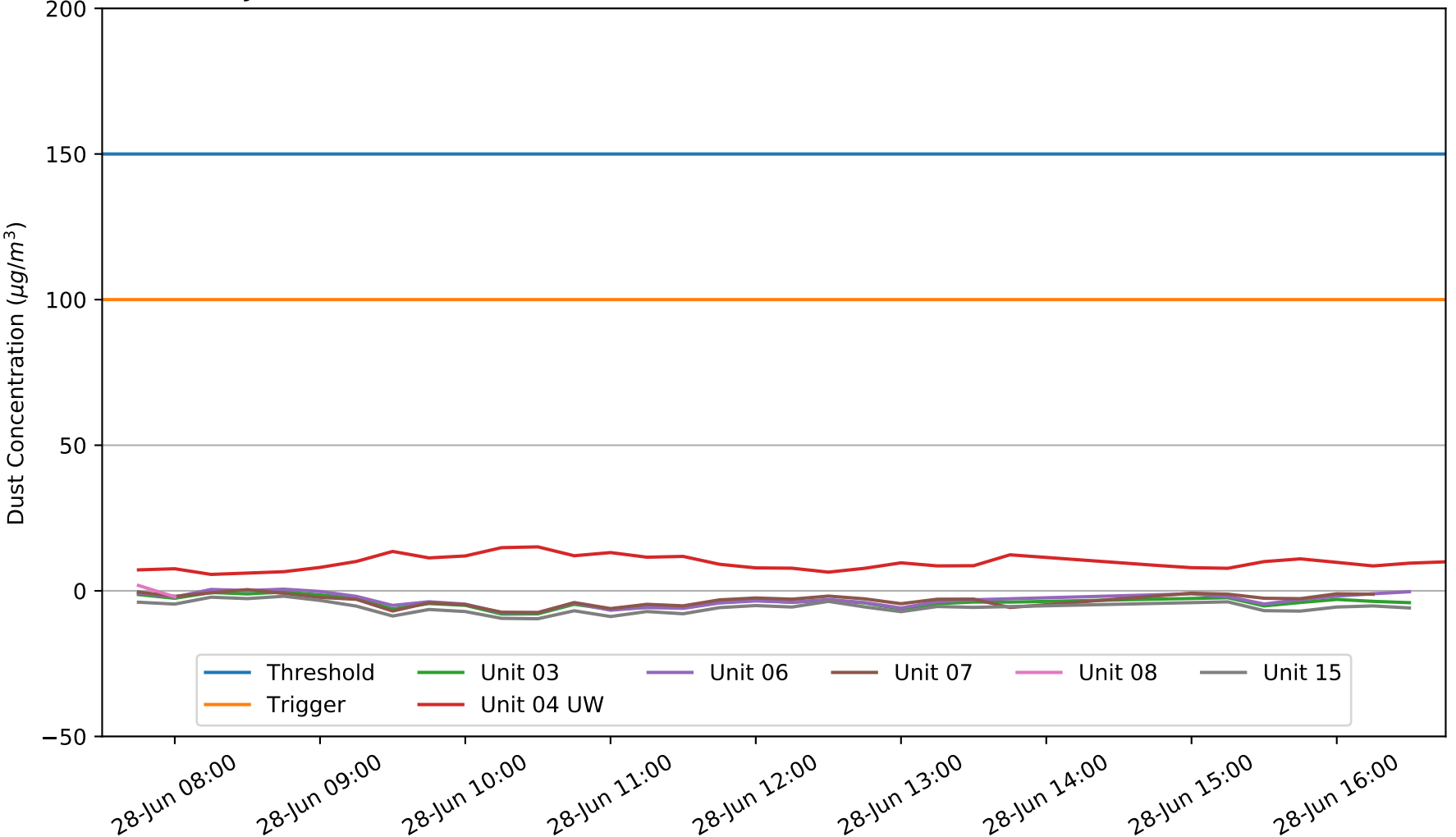
Dust Monitoring Data
RPL 28-Jun-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 08	Unit 04 UW	Unit 06	Unit 07	Unit 15	Unit 03	Threshold	Trigger
2018-06-28 07:30:00							150	100
2018-06-28 07:45:00	1.85	7.2	-0.77	-0.41	-3.91	-1.28	150	100
2018-06-28 08:00:00	-2.05	7.58	-2.14	-1.89	-4.55	-2.55	150	100
2018-06-28 08:15:00		5.64	0.48	-0.68	-2.18	-0.57	150	100
2018-06-28 08:30:00		6.1	0.08	0.42	-2.67	-1.06	150	100
2018-06-28 08:45:00		6.57	0.58	-0.87	-1.85	-0.41	150	100
2018-06-28 09:00:00		8.04	-0.22	-2.25	-3.29	-1.39	150	100
2018-06-28 09:15:00		10.09	-1.9	-2.92	-5.24	-2.55	150	100
2018-06-28 09:30:00		13.53	-5.01	-6.94	-8.65	-6.23	150	100
2018-06-28 09:45:00		11.31	-3.75	-4.09	-6.4	-4.36	150	100
2018-06-28 10:00:00		11.98	-4.56	-4.76	-7.11	-4.97	150	100
2018-06-28 10:15:00		14.83	-7.54	-7.33	-9.45	-7.98	150	100
2018-06-28 10:30:00		15.1	-7.46	-7.47	-9.58	-7.9	150	100
2018-06-28 10:45:00		12.05	-4.19	-4.02	-6.84	-4.62	150	100
2018-06-28 11:00:00		13.14	-6.66	-6.09	-8.82	-6.37	150	100
2018-06-28 11:15:00		11.55	-5.65	-4.63	-7.11	-5.73	150	100
2018-06-28 11:30:00		11.82	-6.02	-5.15	-7.87	-5.81	150	100
2018-06-28 11:45:00		9.12	-4.17	-3.1	-5.77	-4.01	150	100
2018-06-28 12:00:00		7.88	-3.47	-2.45	-5.06	-3.25	150	100
2018-06-28 12:15:00		7.77	-3.9	-2.86	-5.56	-3.96	150	100
2018-06-28 12:30:00		6.42	-2.99	-1.8	-3.62	-3.18	150	100
2018-06-28 12:45:00		7.74	-4.03	-2.75	-5.53	-4.18	150	100
2018-06-28 13:00:00		9.62	-5.89	-4.42	-7.15	-6.22	150	100
2018-06-28 13:15:00		8.56	-3.72	-2.87	-5.38	-4.4	150	100
2018-06-28 13:30:00		8.63	-3.06	-2.84	-5.68	-3.84	150	100
2018-06-28 13:45:00		12.37		-5.73		-3.87	150	100
2018-06-28 14:00:00							150	100
2018-06-28 14:15:00							150	100
2018-06-28 14:30:00							150	100
2018-06-28 14:45:00		8.77					150	100
2018-06-28 15:00:00		7.95	-1.03	-0.81			150	100
2018-06-28 15:15:00		7.74	-1.98	-1.14	-3.78	-2.37	150	100
2018-06-28 15:30:00		10.04	-4.52	-2.55	-6.81	-5.18	150	100
2018-06-28 15:45:00		10.98	-3.01	-2.68	-6.96	-4	150	100
2018-06-28 16:00:00		9.78	-1.82	-1.02	-5.56	-2.95	150	100
2018-06-28 16:15:00		8.55	-1	-1.17	-5.18	-3.61	150	100
2018-06-28 16:30:00		9.5	-0.31		-5.88	-4.06	150	100
2018-06-28 16:45:00		9.96					150	100

Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 28-Jun-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



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22, 9.62, 30.4, 51, 736, 01 , 13:00:03, 28-Jun-2018
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31, 9.78, 31.6, 49, 736, 01 , 16:14:18, 28-Jun-2018
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16, 6.92, 25.9, 65, 734, 00 , 11:16:44, 28-Jun-2018
17, 6.67, 26.0, 64, 734, 00 , 11:31:44, 28-Jun-2018
18, 6.02, 26.2, 64, 734, 00 , 11:46:44, 28-Jun-2018
19, 5.43, 26.3, 65, 734, 00 , 12:01:44, 28-Jun-2018
20, 4.91, 26.7, 63, 734, 00 , 12:16:44, 28-Jun-2018
21, 4.62, 26.8, 63, 734, 00 , 12:31:44, 28-Jun-2018
22, 4.99, 27.2, 61, 734, 00 , 12:46:44, 28-Jun-2018
23, 5.20, 27.6, 59, 734, 00 , 13:01:44, 28-Jun-2018
24, 5.69, 27.8, 59, 734, 00 , 13:16:44, 28-Jun-2018
25, 5.79, 28.0, 60, 736, 00 , 13:31:44, 28-Jun-2018
26, 6.64, 27.9, 60, 734, 00 , 13:46:44, 28-Jun-2018
27, 7.14, 27.4, 68, 736, 00 , 15:03:31, 28-Jun-2018
28, 6.60, 30.4, 56, 736, 00 , 15:18:31, 28-Jun-2018
29, 7.49, 33.0, 46, 736, 00 , 15:33:31, 28-Jun-2018
30, 8.30, 32.8, 45, 736, 00 , 15:48:31, 28-Jun-2018
31, 8.76, 32.1, 46, 736, 00 , 16:03:31, 28-Jun-2018
32, 7.38, 33.4, 42, 736, 00 , 16:18:31, 28-Jun-2018

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"Serial no. ", "0115250029"
"Tag Number ", 2
"Start Time ", 07:24:08
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"Log Period ", 00:15:00
"Number ", 25
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 10.785170
"Max Disp @ ", 08:49:44 28-Jun-2018
"Max STEL ", 5.685583
"Max STEL @ ", 07:39:08 28-Jun-2018
"Avg point ", 3.946895
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 5.69, 21.2, 83, 732, 01 , 07:39:08, 28-Jun-2018
2, 3.29, 21.6, 87, 732, 00 , 07:54:08, 28-Jun-2018
3, 3.03, 22.2, 87, 732, 00 , 08:09:08, 28-Jun-2018
4, 3.46, 22.5, 85, 732, 00 , 08:24:08, 28-Jun-2018
5, 3.43, 22.7, 85, 732, 00 , 08:39:08, 28-Jun-2018
6, 4.72, 24.0, 82, 732, 00 , 08:54:08, 28-Jun-2018
7, 4.75, 25.4, 76, 732, 00 , 09:09:08, 28-Jun-2018
8, 4.85, 25.7, 75, 732, 00 , 09:24:08, 28-Jun-2018
9, 4.88, 26.1, 73, 732, 00 , 09:39:08, 28-Jun-2018
10, 4.91, 27.1, 69, 734, 00 , 09:54:08, 28-Jun-2018
11, 4.87, 28.2, 66, 734, 00 , 10:09:08, 28-Jun-2018
12, 5.38, 29.2, 58, 734, 00 , 10:24:08, 28-Jun-2018
13, 5.52, 28.6, 61, 734, 00 , 10:39:08, 28-Jun-2018
14, 5.21, 28.8, 62, 734, 00 , 10:54:08, 28-Jun-2018
15, 4.32, 29.3, 60, 734, 00 , 11:09:08, 28-Jun-2018
16, 4.44, 30.1, 56, 734, 00 , 11:24:08, 28-Jun-2018
17, 3.95, 30.0, 56, 734, 00 , 11:39:08, 28-Jun-2018
18, 3.35, 29.6, 58, 734, 00 , 11:54:08, 28-Jun-2018
19, 2.82, 30.6, 56, 734, 00 , 12:09:08, 28-Jun-2018
20, 2.21, 30.7, 54, 734, 00 , 12:24:08, 28-Jun-2018
21, 2.80, 30.4, 55, 734, 00 , 12:39:08, 28-Jun-2018
22, 2.21, 31.1, 52, 734, 00 , 12:54:08, 28-Jun-2018
23, 2.47, 30.8, 54, 734, 00 , 13:09:08, 28-Jun-2018
24, 3.18, 31.1, 53, 734, 00 , 13:24:08, 28-Jun-2018
25, 2.95, 30.9, 53, 734, 00 , 13:39:08, 28-Jun-2018
26, 3.96, 29.0, 63, 734, 01 , 15:16:33, 28-Jun-2018
27, 3.23, 31.3, 56, 734, 00 , 15:31:33, 28-Jun-2018
28, 4.02, 31.4, 57, 734, 00 , 15:46:33, 28-Jun-2018
29, 4.22, 30.9, 58, 734, 00 , 16:01:33, 28-Jun-2018
30, 3.37, 33.2, 49, 734, 00 , 16:16:33, 28-Jun-2018
31, 3.62, 35.5, 44, 734, 00 , 16:31:33, 28-Jun-2018

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"Serial no. ", "0115250140"
"Tag Number ", 9
"Start Time ", 07:15:03
"Start Date ", 28-Jun-2018
"Log Period ", 00:15:00
"Number ", 26
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 25.864704
"Max Disp @ ", 07:15:13 28-Jun-2018
"Max STEL ", 8.498862
"Max STEL @ ", 13:45:03 28-Jun-2018
"Avg point ", 5.815700
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 7.25, 21.0, 81, 734, 03 , 07:30:03, 28-Jun-2018
2, 5.92, 21.0, 85, 734, 00 , 07:45:03, 28-Jun-2018
3, 5.03, 21.6, 86, 734, 00 , 08:00:03, 28-Jun-2018
4, 5.07, 22.4, 83, 734, 00 , 08:15:03, 28-Jun-2018
5, 5.04, 22.8, 82, 734, 00 , 08:30:03, 28-Jun-2018
6, 6.16, 24.1, 78, 734, 00 , 08:45:03, 28-Jun-2018
7, 6.65, 25.8, 73, 734, 00 , 09:00:03, 28-Jun-2018
8, 7.54, 26.5, 70, 734, 00 , 09:15:03, 28-Jun-2018
9, 7.30, 26.2, 72, 734, 00 , 09:30:03, 28-Jun-2018
10, 6.95, 26.8, 69, 734, 00 , 09:45:03, 28-Jun-2018
11, 7.01, 27.4, 66, 734, 00 , 10:00:03, 28-Jun-2018
12, 6.85, 29.1, 61, 734, 00 , 10:15:03, 28-Jun-2018
13, 7.20, 29.4, 57, 734, 00 , 10:30:03, 28-Jun-2018
14, 7.43, 29.2, 59, 734, 00 , 10:45:03, 28-Jun-2018
15, 6.77, 29.6, 58, 734, 00 , 11:00:03, 28-Jun-2018
16, 5.82, 30.1, 55, 734, 00 , 11:15:03, 28-Jun-2018
17, 6.01, 30.3, 54, 734, 00 , 11:30:03, 28-Jun-2018
18, 5.11, 30.5, 54, 734, 00 , 11:45:03, 28-Jun-2018
19, 4.63, 30.7, 54, 734, 00 , 12:00:03, 28-Jun-2018
20, 3.81, 31.6, 51, 734, 00 , 12:15:03, 28-Jun-2018
21, 3.24, 31.4, 51, 736, 00 , 12:30:03, 28-Jun-2018
22, 3.56, 32.1, 49, 734, 00 , 12:45:03, 28-Jun-2018
23, 3.40, 32.5, 47, 736, 00 , 13:00:03, 28-Jun-2018
24, 4.16, 32.5, 48, 734, 00 , 13:15:03, 28-Jun-2018
25, 4.79, 32.5, 48, 736, 00 , 13:30:03, 28-Jun-2018
26, 8.50, 31.8, 52, 736, 00 , 13:45:03, 28-Jun-2018
27, 5.37, 28.1, 66, 736, 01 , 15:17:02, 28-Jun-2018
28, 4.86, 30.9, 55, 736, 00 , 15:32:02, 28-Jun-2018
29, 6.98, 31.5, 53, 736, 00 , 15:47:02, 28-Jun-2018
30, 6.83, 31.4, 53, 736, 00 , 16:02:02, 28-Jun-2018
31, 4.94, 32.3, 48, 736, 00 , 16:17:02, 28-Jun-2018
32, 5.44, 32.9, 47, 736, 00 , 16:32:02, 28-Jun-2018

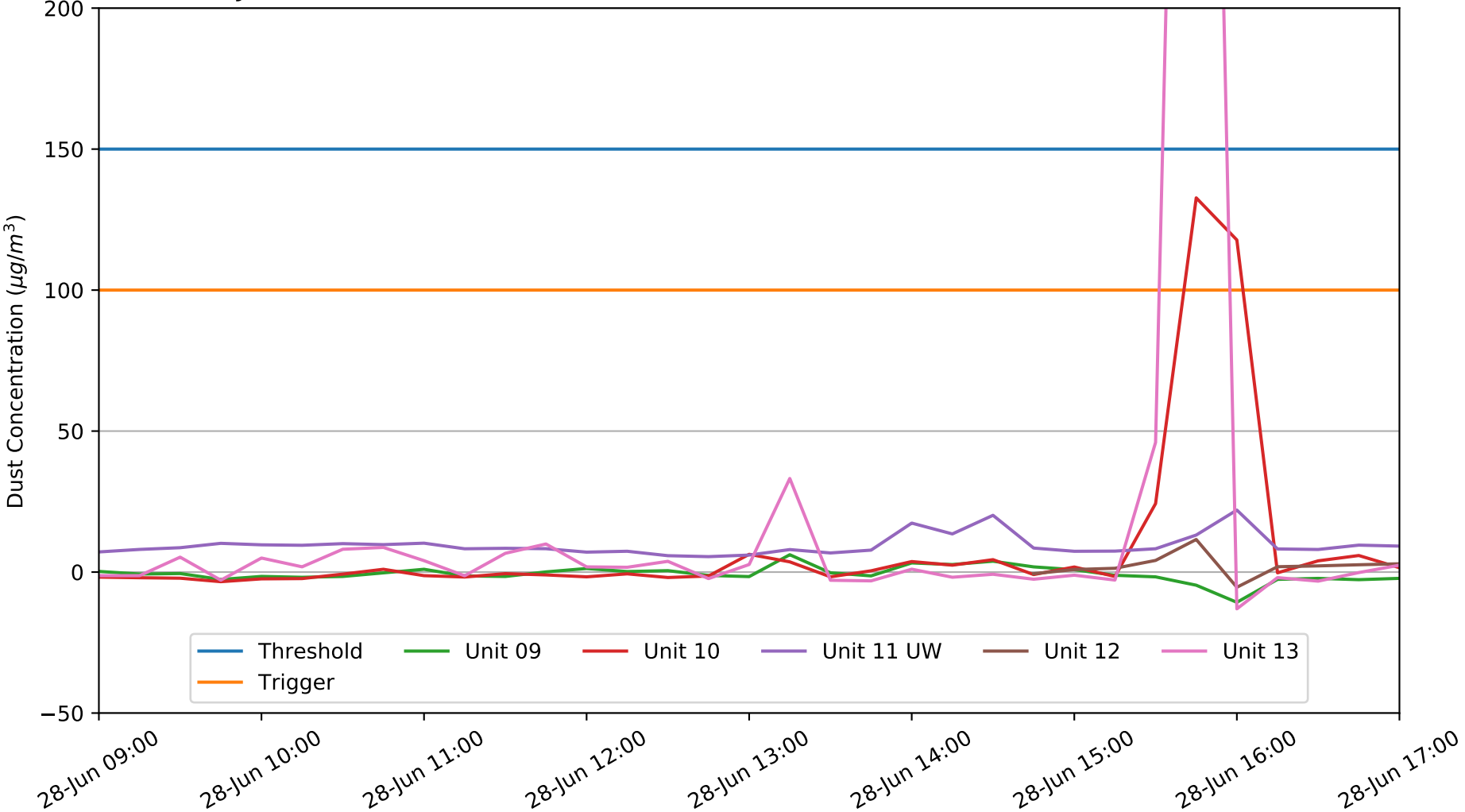
Dust Monitoring Data
MSA 28-Jun-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 10	Unit 11 UW	Unit 12	Unit 09	Unit 13	Threshold	Trigger
2018-06-28 09:00:00	-1.79	7.14		0.23	-1.27	150	100
2018-06-28 09:15:00	-2.01	8.03		-0.7	-1.27	150	100
2018-06-28 09:30:00	-2.17	8.64		-0.52	5.29	150	100
2018-06-28 09:45:00	-3.41	10.19		-2.62	-2.87	150	100
2018-06-28 10:00:00	-2.41	9.66		-1.54	4.98	150	100
2018-06-28 10:15:00	-2.31	9.5		-1.85	1.86	150	100
2018-06-28 10:30:00	-0.73	10.08		-1.56	8.09	150	100
2018-06-28 10:45:00	0.99	9.73		-0.28	8.74	150	100
2018-06-28 11:00:00	-1.27	10.25		0.99	4.05	150	100
2018-06-28 11:15:00	-1.76	8.26		-1.37	-1.32	150	100
2018-06-28 11:30:00	-0.56	8.43		-1.56	6.65	150	100
2018-06-28 11:45:00	-1.01	8.29		0.06	9.96	150	100
2018-06-28 12:00:00	-1.69	7.07		1.26	1.84	150	100
2018-06-28 12:15:00	-0.63	7.38		0.19	1.7	150	100
2018-06-28 12:30:00	-1.93	5.81		0.5	3.81	150	100
2018-06-28 12:45:00	-1.4	5.47		-1.19	-2.32	150	100
2018-06-28 13:00:00	6.3	6.03		-1.61	2.68	150	100
2018-06-28 13:15:00	3.62	7.98		6.15	33.19	150	100
2018-06-28 13:30:00	-1.69	6.78		-0.25	-2.91	150	100
2018-06-28 13:45:00	0.45	7.78		-1.35	-3.12	150	100
2018-06-28 14:00:00	3.73	17.37		3.24	1.02	150	100
2018-06-28 14:15:00	2.45	13.53		2.67	-1.83	150	100
2018-06-28 14:30:00	4.4	20.13		3.85	-0.78	150	100
2018-06-28 14:45:00	-0.89	8.51	-0.58	1.84	-2.54	150	100
2018-06-28 15:00:00	1.8	7.37	0.9	0.85	-1.11	150	100
2018-06-28 15:15:00	-1.57	7.43	1.34	-1.14	-2.83	150	100
2018-06-28 15:30:00	24.28	8.27	4.13	-1.7	45.99	150	100
2018-06-28 15:45:00	132.71	13.13	11.56	-4.66	648.31	150	100
2018-06-28 16:00:00	117.78	21.99	-5.39	-10.73	-13.05	150	100
2018-06-28 16:15:00	-0.27	8.2	1.89	-2.59	-1.97	150	100
2018-06-28 16:30:00	3.98	8.01	2.19	-2.24	-3.22	150	100
2018-06-28 16:45:00	5.87	9.55	2.59	-2.7	-0.18	150	100
2018-06-28 17:00:00	1.55	9.21	2.94	-2.23	2.43	150	100

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 28-Jun-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



>"Model Number", "PDR-1500", 01.34
"Serial no. ", "0115248913"
"Tag Number ", 12
"Start Time ", 08:45:03
"Start Date ", 28-Jun-2018
"Log Period ", 00:15:00
"Number   ", 33
"CalFactor   ", 1.000000
"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 1097.543831
"Max Disp @ ", 15:46:23 28-Jun-2018
"Max STEL   ", 275.786805
"Max STEL @ ", 15:48:03 28-Jun-2018
"Avg point ", 18.048199
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 5.35, 22.4, 74, 734, 00 , 09:00:03, 28-Jun-2018
2, 6.02, 23.1, 74, 734, 00 , 09:15:03, 28-Jun-2018
3, 6.47, 23.1, 75, 734, 00 , 09:30:03, 28-Jun-2018
4, 6.78, 23.5, 73, 734, 00 , 09:45:03, 28-Jun-2018
5, 7.25, 23.9, 72, 734, 00 , 10:00:03, 28-Jun-2018
6, 7.19, 24.6, 69, 734, 00 , 10:15:03, 28-Jun-2018
7, 9.35, 24.7, 67, 734, 00 , 10:30:03, 28-Jun-2018
8, 10.72, 25.1, 67, 734, 00 , 10:45:03, 28-Jun-2018
9, 8.98, 25.5, 66, 734, 00 , 11:00:03, 28-Jun-2018
10, 6.50, 25.1, 66, 734, 00 , 11:15:03, 28-Jun-2018
11, 7.87, 25.2, 66, 734, 00 , 11:30:03, 28-Jun-2018
12, 7.28, 25.5, 65, 734, 00 , 11:45:03, 28-Jun-2018
13, 5.38, 25.5, 65, 734, 00 , 12:00:03, 28-Jun-2018
14, 6.75, 25.9, 64, 734, 00 , 12:15:03, 28-Jun-2018
15, 3.88, 26.5, 62, 734, 00 , 12:30:03, 28-Jun-2018
16, 4.07, 26.9, 61, 734, 00 , 12:45:03, 28-Jun-2018
17, 12.33, 27.5, 56, 734, 00 , 13:00:03, 28-Jun-2018
18, 11.60, 28.2, 56, 734, 00 , 13:15:03, 28-Jun-2018
19, 5.09, 28.9, 54, 734, 00 , 13:30:03, 28-Jun-2018
20, 8.23, 28.9, 54, 734, 00 , 13:45:03, 28-Jun-2018
21, 21.10, 27.3, 47, 734, 00 , 14:00:03, 28-Jun-2018
22, 15.98, 25.5, 32, 734, 00 , 14:15:03, 28-Jun-2018
23, 24.53, 24.4, 34, 734, 00 , 14:30:03, 28-Jun-2018
24, 7.62, 24.7, 68, 734, 00 , 14:45:03, 28-Jun-2018
25, 9.17, 26.1, 66, 734, 00 , 15:00:03, 28-Jun-2018
26, 5.86, 28.1, 59, 734, 00 , 15:15:03, 28-Jun-2018
27, 32.55, 30.2, 52, 734, 00 , 15:30:03, 28-Jun-2018
28, 145.84, 30.8, 48, 734, 00 , 15:45:03, 28-Jun-2018
29, 139.77, 30.5, 48, 734, 00 , 16:00:03, 28-Jun-2018
30, 7.93, 31.0, 44, 734, 00 , 16:15:03, 28-Jun-2018
31, 11.99, 31.4, 43, 734, 00 , 16:30:03, 28-Jun-2018
32, 15.42, 31.4, 45, 734, 00 , 16:45:03, 28-Jun-2018
33, 10.76, 30.3, 47, 734, 00 , 17:00:03, 28-Jun-2018

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"Serial no. ", "0115249188"
"Tag Number ", 4
"Start Time ", 08:45:03
"Start Date ", 28-Jun-2018
"Log Period ", 00:15:00
"Number   ", 33
"CalFactor   ", 1.000000
"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 113.391244
"Max Disp @ ", 15:47:03 28-Jun-2018
"Max STEL   ", 27.103674
"Max STEL @ ", 15:53:13 28-Jun-2018
"Avg point ", 9.551402
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
    1,   7.14, 25.0,   69,   734, 01 , 09:00:03, 28-Jun-2018
    2,   8.03, 26.1,   68,   734, 00 , 09:15:03, 28-Jun-2018
    3,   8.64, 26.1,   68,   734, 00 , 09:30:03, 28-Jun-2018
    4,   10.19, 26.4,   66,   734, 00 , 09:45:03, 28-Jun-2018
    5,   9.66, 26.5,   66,   734, 00 , 10:00:03, 28-Jun-2018
    6,   9.50, 27.6,   62,   734, 00 , 10:15:03, 28-Jun-2018
    7,   10.08, 27.8,   60,   734, 00 , 10:30:03, 28-Jun-2018
    8,   9.73, 27.3,   62,   734, 00 , 10:45:03, 28-Jun-2018
    9,   10.25, 27.2,   63,   734, 00 , 11:00:03, 28-Jun-2018
   10,   8.26, 27.4,   62,   734, 00 , 11:15:03, 28-Jun-2018
   11,   8.43, 27.6,   61,   734, 00 , 11:30:03, 28-Jun-2018
   12,   8.29, 27.7,   61,   734, 00 , 11:45:03, 28-Jun-2018
   13,   7.07, 27.9,   61,   734, 00 , 12:00:03, 28-Jun-2018
   14,   7.38, 28.4,   58,   734, 00 , 12:15:03, 28-Jun-2018
   15,   5.81, 27.7,   60,   734, 00 , 12:30:03, 28-Jun-2018
   16,   5.47, 27.1,   61,   734, 00 , 12:45:03, 28-Jun-2018
   17,   6.03, 27.3,   60,   734, 00 , 13:00:03, 28-Jun-2018
   18,   7.98, 27.8,   60,   734, 00 , 13:15:03, 28-Jun-2018
   19,   6.78, 28.3,   58,   734, 00 , 13:30:03, 28-Jun-2018
   20,   7.78, 28.1,   59,   734, 00 , 13:45:03, 28-Jun-2018
   21,   17.37, 26.0,   56,   736, 00 , 14:00:03, 28-Jun-2018
   22,   13.53, 24.4,   40,   736, 00 , 14:15:03, 28-Jun-2018
   23,   20.13, 23.5,   41,   736, 00 , 14:30:03, 28-Jun-2018
   24,   8.51, 24.2,   75,   736, 00 , 14:45:03, 28-Jun-2018
   25,   7.37, 25.8,   73,   736, 00 , 15:00:03, 28-Jun-2018
   26,   7.43, 27.6,   65,   736, 00 , 15:15:03, 28-Jun-2018
   27,   8.27, 29.1,   59,   736, 00 , 15:30:03, 28-Jun-2018
   28,   13.13, 29.9,   56,   736, 00 , 15:45:03, 28-Jun-2018
   29,   21.99, 30.1,   55,   734, 00 , 16:00:03, 28-Jun-2018
   30,   8.20, 32.1,   47,   734, 00 , 16:15:03, 28-Jun-2018
   31,   8.01, 33.2,   43,   734, 00 , 16:30:03, 28-Jun-2018
   32,   9.55, 33.6,   44,   734, 00 , 16:45:03, 28-Jun-2018
   33,   9.21, 32.5,   45,   734, 00 , 17:00:03, 28-Jun-2018

>"Model Number", "PDR-1500", 01.34
"Serial no. ", "CM15111014"
"Tag Number ", 12
"Start Time ", 14:30:48
"Start Date ", 28-Jun-2018
"Log Period ", 00:15:00
"Number ", 10
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 68.888750
"Max Disp @ ", 15:39:07 28-Jun-2018
"Max STEL ", 28.638594
"Max STEL @ ", 15:50:08 28-Jun-2018
"Avg point ", 12.324576
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 7.93, 22.2, 73, 736, 01 , 14:45:48, 28-Jun-2018
2, 8.27, 24.3, 69, 736, 00 , 15:00:48, 28-Jun-2018
3, 8.77, 26.8, 61, 736, 00 , 15:15:48, 28-Jun-2018
4, 12.40, 29.6, 52, 736, 00 , 15:30:48, 28-Jun-2018
5, 24.69, 29.8, 48, 736, 00 , 15:45:48, 28-Jun-2018
6, 16.60, 28.2, 52, 736, 00 , 16:00:48, 28-Jun-2018
7, 10.09, 28.0, 51, 736, 00 , 16:15:48, 28-Jun-2018
8, 10.20, 29.3, 49, 736, 00 , 16:30:48, 28-Jun-2018
9, 12.14, 29.2, 48, 736, 00 , 16:45:48, 28-Jun-2018
10, 12.15, 26.7, 53, 736, 00 , 17:00:48, 28-Jun-2018

>"Model Number", "PDR-1500", 01.34
"Serial no. ", "0115248912"
"Tag Number ", 14
"Start Time ", 08:45:03
"Start Date ", 28-Jun-2018
"Log Period ", 00:15:00
"Number ", 33
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 53.419843
"Max Disp @ ", 13:10:21 28-Jun-2018
"Max STEL ", 24.629257
"Max STEL @ ", 14:29:23 28-Jun-2018
"Avg point ", 8.868137
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 7.37, 25.9, 64, 732, 01 , 09:00:03, 28-Jun-2018
2, 7.33, 27.4, 64, 732, 00 , 09:15:03, 28-Jun-2018
3, 8.12, 27.2, 63, 732, 00 , 09:30:03, 28-Jun-2018
4, 7.57, 27.8, 63, 732, 00 , 09:45:03, 28-Jun-2018
5, 8.12, 28.6, 62, 732, 00 , 10:00:03, 28-Jun-2018
6, 7.65, 30.5, 56, 732, 00 , 10:15:03, 28-Jun-2018
7, 8.52, 31.1, 52, 732, 00 , 10:30:03, 28-Jun-2018
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DAILY OBSERVATION REPORT

Report No.:	23	Project File:	MN0832D	Date:	6/29/2018

Geosyntec consultants

engineers | scientists | innovators

Beech and Bonaparte engineering p.c.

an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: James Burnett

Site Representative: Ashwin Ranna, Matt Schallinger

Contractor: Recon

Arrive at Site: 0700hrs. Leave Site: 1830 hrs.

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Cloudy	am	Partly Cloudy	pm
Temperature:	64° F	am	87° F	pm
Wind Direction:	6 NW	am	13 N	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 23 Project File: MN0832D Date: 6/29/2018

Materials Imported and Removed from Work Areas

Soil Removal:

Total Loads today: 5 Total Loads to date: 42

Weight: 110 tons Total Weight to date: ~942 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date:11

Weight: 0 Tons Total Weight to date: 213 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date:5

Weight: 0Tons Total Weight to date: 132 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: 66

Weight: 0 Tons Total Weight to date: 1418 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0700. Attended Recon safety meeting. Matthew Schallinger, Jay Thompson, Karl Wuolo Younger and Jim Burnett were on site. Held safety tailgate meeting for Geosyntec. Reviewed Heat stress
- Recon continued sheet piling along the perimeter between EHS and STCC. TSCA trucks started arriving from 0750 and were loaded. Jim Burnett observed loading of trucks and signed manifests. Dust monitors were calibrated and deployed. Tisch samplers were deployed across the site. Sheet piling continued site while trucks were being loaded. Sheet pile was driven along the STCC/EHS perimeter line. Non Haz material behind the sheet pile line adjacent to the school building began being excavated and moved into the MSA. Recon was advised not to excavate TSCA material in the area around B 888 as material needed to be stabilized prior to excavation.
- JT and KWJ organized and started collecting samples with the drill rig. Samples were collected throughout the day with higher priority placed on collecting Phase 1 samples. Collected samples were placed on ice.

Report No.:	23	Project File:	MN0832D	Date:	6/29/2018

- Recon started receiving item 4 material at the STCC. Material was stored at the south end of STCC on top of geotextile.
- Recon continued loading trucks till 12 o Clock. 5 TSCA trucks were loaded through the day. 1 truck was too wide to go through the truck wash and had to be deconned on the truck wash pad.
- A helicopter flew around on site several times. The markings could not be made out but it appeared to be a media helicopter.
- Scott Williams arrived on site at 1130. He inspected the TSCA truck loading, the sheet piles being driven and reviewed the excavation process. Scott asked questions about the sheet piles and took photos of the vibration monitors. He asked Recon questions about why the freeboard for the sheet pile was different along the EHS/STCC perimeter and requested that all of them be evened out. Recon replied that some of the sheet piles had been cut to accommodate for utilities and that raising those might cause structural issues. SW left for lunch around 1230

PM

- Recon broke for lunch between 1200 and 1230
- Recon sprayed water along the haul road and the MSA several times during the day. Recon placed about 80’ of sheet piling along the EHS STCC fence line and then shifted to driving Sheet pile perpendicular to the fence line. One unknown subsurface structure was found during sheet piling approximately 60’ west along the fence line.
- Additional 20” straw wattle was brought to site and delivered at the MSA.
- SW returned to site around 1330. He observed some water leaving the truck wash into the MSA and requested that the containment berms be improved to direct water into the sump. Recon regraded the area around the truck wash for the MSA. SW stayed on site till 1630 and observed the sheet piling and excavation.
- Recon began excavating 0-2 and 2-4 TSCA material in phase 1 area (south of the sheet pile line to collect material for loadout. The crane and loading truck was tracked over geotextile across the milled asphalt over the 0-2 TSCA and plastic was laid down along the swing radius. Material excavated was stored behind sheet piles in the TSCA excavation. Non Haz material excavation in the 0-2 and 2-4 feet depth in phase 1 was also excavated and sent to the MSA.
- Drill rig left site at1600. Delineation samples were packed and prepared to be shipped.
- Sheet piling continued till 1700. Recon left site at 1730. Piles were covered at end of day. Dust monitors were collected, and data downloaded. Geosyntec completed sampling and collected PUF samples. Samples were packed and shipped by FedEx at 1900. Geosyntec shut down site and left at 1830. AR shipped samples at 1900.

Report No.: 23 Project File: MN0832D Date: 6/29/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Brian Kilkenny
- Addison Hofferth
- Phil
- Seth Lovell
- Rich Tonnucour
- (Recon labor) X17
- Crane operator (Recon subcontractors)

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- 8x40 Office Trailer
- Portable Toilets
- Hand Wash Stations
- ST-197 Dodge Ram Work Truck
- 8x20 Storage Box
- Trimble GPS System (Base, Rover, Data Collector)
- 8x20 Office Trailer
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 Containments
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Vibratory Hammer
- Roller
- Site F250
- Sheet piling crane.

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	DEC	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Substantial Completion Date: NA
Completion Date: NA

ITEMS OF CONCERN:

DAILY OBSERVATION REPORT

Report No.:	23	Project File:	MN0832D	Date:	6/29/2018

Site Representative: Ashwin Ranna

Date: 6/29/2018

Name: (*signature*)



:

Report No.: 23 Project File: MN0832D Date: 6/29/2018

Photo Log
Date : 6/29/2018

	
Sheet piling with crane	TSCA truck going through truck wash
	
Loading Non Haz material in phase 1	Non Haz stockpiles covered at end of day

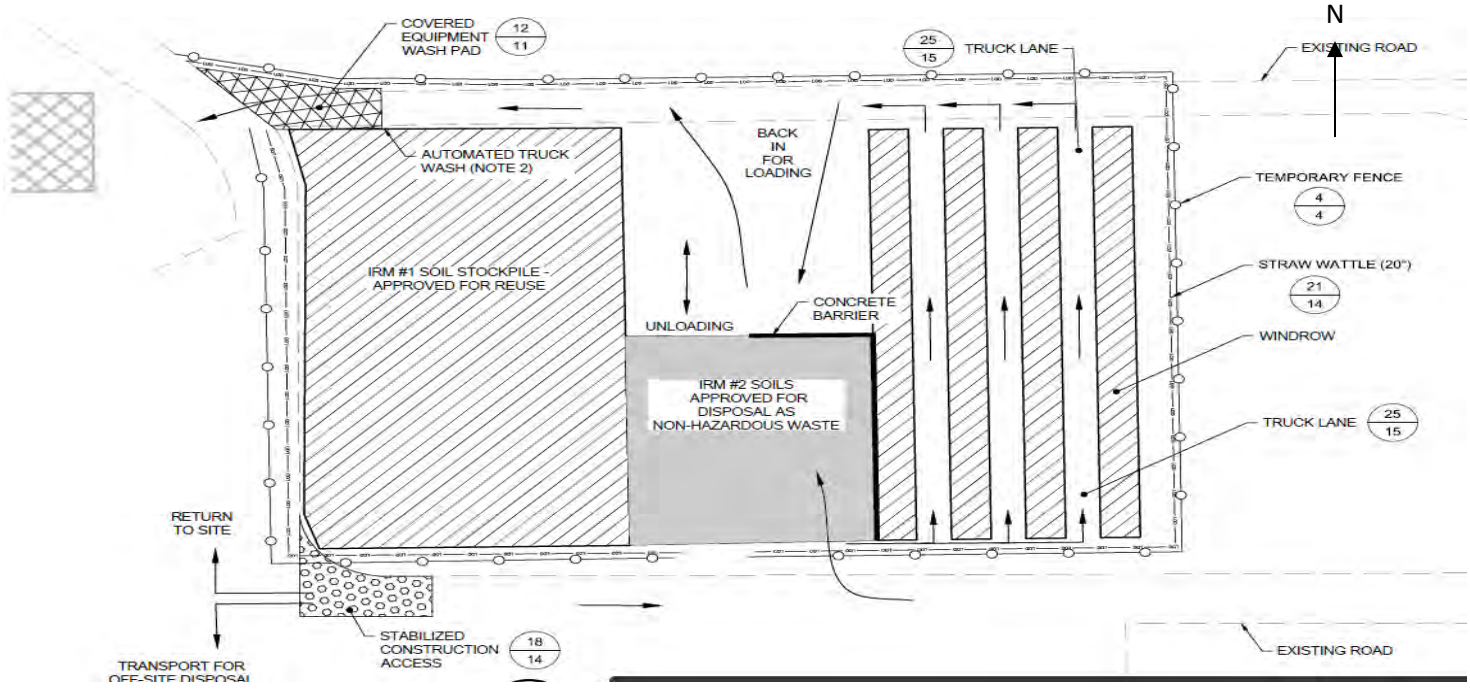
Report No.:	23	Project File:	MN0832D	Date:	6/29/2018

Site Map

Rear Parking Lot



MSA



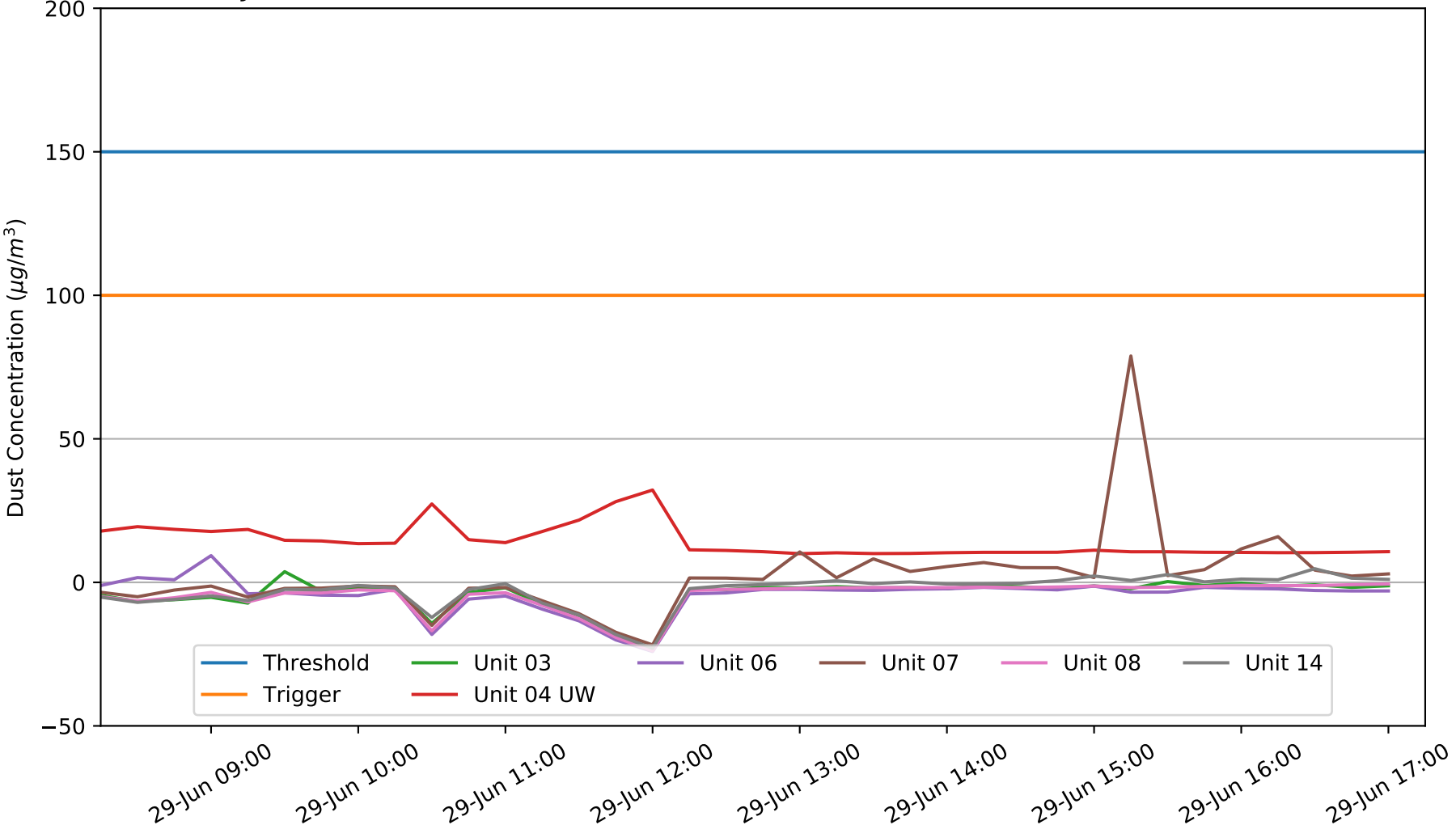
Dust Monitoring Data
RPL 29-Jun-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 06	Unit 03	Unit 08	Unit 04 UW	Unit 14	Unit 07	Threshold	Trigger
2018-06-29 08:15:00	-1.1	-4.52	-4.97	17.85	-5.15	-3.45	150	100
2018-06-29 08:30:00	1.66	-6.67	-6.53	19.4	-6.96	-5.02	150	100
2018-06-29 08:45:00	0.9	-6.04	-5.36	18.47	-5.95	-2.68	150	100
2018-06-29 09:00:00	9.32	-5.21	-3.48	17.73	-4.7	-1.29	150	100
2018-06-29 09:15:00	-3.96	-7.24	-6.8	18.44	-6.34	-5.11	150	100
2018-06-29 09:30:00	-3.68	3.73	-3.7	14.66	-2.45	-2.1	150	100
2018-06-29 09:45:00	-4.46	-3.06	-3.66	14.42	-2.61	-2	150	100
2018-06-29 10:00:00	-4.59	-2.15	-2.63	13.49	-1.08	-1.24	150	100
2018-06-29 10:15:00	-2.44	-1.74	-2.92	13.64	-1.96	-1.52	150	100
2018-06-29 10:30:00	-18.15	-14.28	-16.87	27.33	-12.23	-15.01	150	100
2018-06-29 10:45:00	-5.83	-3.53	-4.14	14.87	-2.52	-2.04	150	100
2018-06-29 11:00:00	-4.75	-1.9	-3.61	13.84	-0.45	-1.78	150	100
2018-06-29 11:15:00	-9.32	-7.64	-7.99	17.72	-7.21	-6.4	150	100
2018-06-29 11:30:00	-13.41	-12.41	-12.61	21.7	-11.33	-10.9	150	100
2018-06-29 11:45:00	-20.04	-18.81	-19.16	28.12	-18.17	-17.39	150	100
2018-06-29 12:00:00	-24.08	-23.57	-23.88	32.17	-22.98	-21.78	150	100
2018-06-29 12:15:00	-4	-2.43	-2.84	11.34	-2.17	1.53	150	100
2018-06-29 12:30:00	-3.67	-2.51	-2.45	11.12	-1.16	1.48	150	100
2018-06-29 12:45:00	-2.47	-1.76	-2.27	10.69	-0.79	1.03	150	100
2018-06-29 13:00:00	-2.44	-1.96	-2.07	10	-0.21	10.61	150	100
2018-06-29 13:15:00	-2.68	-1.48	-1.89	10.3	0.55	1.61	150	100
2018-06-29 13:30:00	-2.8	-1.91	-1.79	10.03	-0.41	8.18	150	100
2018-06-29 13:45:00	-2.42	-1.83	-1.79	10.08	0.17	3.8	150	100
2018-06-29 14:00:00	-2.23	-2.24	-1.82	10.32	-0.59	5.51	150	100
2018-06-29 14:15:00	-1.74	-1	-1.65	10.46	-0.53	6.9	150	100
2018-06-29 14:30:00	-2.16	-1.53	-1.79	10.46	-0.3	5.13	150	100
2018-06-29 14:45:00	-2.61	-2.18	-1.61	10.49	0.59	5.1	150	100
2018-06-29 15:00:00	-1.3	-1.24	-1.27	11.21	2.22	1.67	150	100
2018-06-29 15:15:00	-3.42	-2.2	-1.81	10.66	0.66	78.87	150	100
2018-06-29 15:30:00	-3.39	0.28	-1.66	10.66	2.72	2.36	150	100
2018-06-29 15:45:00	-1.74	-1.08	-1.41	10.48	0.17	4.44	150	100
2018-06-29 16:00:00	-2.08	-0.25	-1.01	10.44	1.15	11.66	150	100
2018-06-29 16:15:00	-2.28	-1.39	-1.15	10.34	0.91	15.93	150	100
2018-06-29 16:30:00	-2.83	-0.83	-1.12	10.36	4.76	4.27	150	100
2018-06-29 16:45:00	-3	-1.75	-0.81	10.49	1.45	2.2	150	100
2018-06-29 17:00:00	-2.99	-1.19	-0.57	10.7	1.05	2.95	150	100
2018-06-29 17:15:00							150	100

Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 29-Jun-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



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3, 12.43, 21.4, 81, 740, 00 , 08:55:03, 29-Jun-2018
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5, 11.20, 22.3, 72, 740, 00 , 09:25:03, 29-Jun-2018
6, 18.39, 22.9, 68, 740, 00 , 09:40:03, 29-Jun-2018
7, 11.36, 23.6, 64, 740, 00 , 09:55:03, 29-Jun-2018
8, 11.34, 24.4, 60, 740, 00 , 10:10:03, 29-Jun-2018
9, 11.90, 25.3, 59, 740, 00 , 10:25:03, 29-Jun-2018
10, 13.05, 26.4, 55, 740, 00 , 10:40:03, 29-Jun-2018
11, 11.34, 27.9, 54, 740, 00 , 10:55:03, 29-Jun-2018
12, 11.94, 29.1, 49, 740, 00 , 11:10:03, 29-Jun-2018
13, 10.08, 30.3, 46, 740, 00 , 11:25:03, 29-Jun-2018
14, 9.29, 31.7, 43, 740, 00 , 11:40:03, 29-Jun-2018
15, 9.31, 32.9, 39, 740, 00 , 11:55:03, 29-Jun-2018
16, 8.60, 33.8, 37, 740, 00 , 12:10:03, 29-Jun-2018
17, 8.91, 34.6, 35, 740, 00 , 12:25:03, 29-Jun-2018
18, 8.61, 35.6, 35, 740, 00 , 12:40:03, 29-Jun-2018
19, 8.93, 36.5, 31, 740, 00 , 12:55:03, 29-Jun-2018
20, 8.04, 37.0, 31, 740, 00 , 13:10:03, 29-Jun-2018
21, 8.82, 37.4, 29, 740, 00 , 13:25:03, 29-Jun-2018
22, 8.12, 37.5, 29, 740, 00 , 13:40:03, 29-Jun-2018
23, 8.25, 37.8, 28, 740, 00 , 13:55:03, 29-Jun-2018
24, 8.08, 38.6, 28, 740, 00 , 14:10:03, 29-Jun-2018
25, 9.46, 39.5, 27, 740, 00 , 14:25:03, 29-Jun-2018
26, 8.93, 40.4, 25, 740, 00 , 14:40:03, 29-Jun-2018
27, 8.31, 41.0, 26, 740, 00 , 14:55:03, 29-Jun-2018
28, 9.97, 41.3, 25, 740, 00 , 15:10:03, 29-Jun-2018
29, 8.46, 41.7, 23, 740, 00 , 15:25:03, 29-Jun-2018
30, 10.94, 42.2, 23, 740, 00 , 15:40:03, 29-Jun-2018
31, 9.40, 42.7, 22, 740, 00 , 15:55:03, 29-Jun-2018
32, 10.19, 43.4, 23, 740, 00 , 16:10:03, 29-Jun-2018
33, 8.95, 44.1, 21, 740, 00 , 16:25:03, 29-Jun-2018
34, 9.53, 44.4, 21, 740, 00 , 16:40:03, 29-Jun-2018
35, 8.74, 44.7, 19, 740, 00 , 16:55:03, 29-Jun-2018
36, 9.51, 44.7, 19, 740, 00 , 17:10:03, 29-Jun-2018
37, 9.77, 44.4, 19, 740, 00 , 17:25:03, 29-Jun-2018

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"Avg point ", 9.817006
"ALARM   ", "INSTANT "
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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 12.88, 20.5, 77, 738, 03 , 08:25:03, 29-Jun-2018
2, 12.87, 22.1, 71, 738, 00 , 08:40:03, 29-Jun-2018
3, 13.11, 22.7, 70, 738, 00 , 08:55:03, 29-Jun-2018
4, 14.25, 23.2, 66, 738, 00 , 09:10:03, 29-Jun-2018
5, 11.64, 23.9, 58, 738, 00 , 09:25:03, 29-Jun-2018
6, 10.96, 24.7, 54, 738, 00 , 09:40:03, 29-Jun-2018
7, 10.76, 25.4, 51, 738, 00 , 09:55:03, 29-Jun-2018
8, 10.86, 26.1, 49, 738, 00 , 10:10:03, 29-Jun-2018
9, 10.72, 26.8, 47, 738, 00 , 10:25:03, 29-Jun-2018
10, 10.46, 27.5, 45, 738, 00 , 10:40:03, 29-Jun-2018
11, 10.73, 28.1, 45, 738, 00 , 10:55:03, 29-Jun-2018
12, 10.23, 28.8, 42, 738, 00 , 11:10:03, 29-Jun-2018
13, 9.73, 29.3, 40, 738, 00 , 11:25:03, 29-Jun-2018
14, 9.09, 29.9, 37, 738, 00 , 11:40:03, 29-Jun-2018
15, 8.96, 30.5, 35, 738, 00 , 11:55:03, 29-Jun-2018
16, 8.29, 31.0, 33, 738, 00 , 12:10:03, 29-Jun-2018
17, 8.50, 31.3, 32, 738, 00 , 12:25:03, 29-Jun-2018
18, 8.67, 32.0, 30, 738, 00 , 12:40:03, 29-Jun-2018
19, 8.42, 32.7, 29, 738, 00 , 12:55:03, 29-Jun-2018
20, 7.93, 33.4, 28, 738, 00 , 13:10:03, 29-Jun-2018
21, 8.41, 34.1, 27, 738, 00 , 13:25:03, 29-Jun-2018
22, 8.24, 34.6, 26, 738, 00 , 13:40:03, 29-Jun-2018
23, 8.29, 35.6, 24, 738, 00 , 13:55:03, 29-Jun-2018
24, 8.50, 37.7, 22, 738, 00 , 14:10:03, 29-Jun-2018
25, 8.81, 39.9, 21, 738, 00 , 14:25:03, 29-Jun-2018
26, 8.67, 41.7, 19, 738, 00 , 14:40:03, 29-Jun-2018
27, 8.88, 43.2, 16, 738, 00 , 14:55:03, 29-Jun-2018
28, 9.94, 43.7, 16, 738, 00 , 15:10:03, 29-Jun-2018
29, 8.85, 45.1, 15, 738, 00 , 15:25:03, 29-Jun-2018
30, 9.00, 46.1, 14, 738, 00 , 15:40:03, 29-Jun-2018
31, 9.07, 46.9, 13, 738, 00 , 15:55:03, 29-Jun-2018
32, 9.43, 47.8, 12, 738, 00 , 16:10:03, 29-Jun-2018
33, 9.19, 48.7, 12, 738, 00 , 16:25:03, 29-Jun-2018
34, 9.24, 49.1, 11, 738, 00 , 16:40:03, 29-Jun-2018
35, 9.68, 49.4, 11, 738, 00 , 16:55:03, 29-Jun-2018
36, 10.13, 49.1, 12, 738, 00 , 17:10:03, 29-Jun-2018

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 10:38:20 29-Jun-2018
"Max STEL   ", 35.220017
"Max STEL @ ", 12:04:03 29-Jun-2018
"Avg point ", 14.290860
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
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1, 17.85, 25.1, 63, 740, 01 , 08:25:03, 29-Jun-2018
2, 19.40, 27.6, 56, 740, 01 , 08:40:03, 29-Jun-2018
3, 18.47, 29.5, 51, 742, 01 , 08:55:03, 29-Jun-2018
4, 17.73, 31.0, 45, 742, 01 , 09:10:03, 29-Jun-2018
5, 18.44, 32.4, 39, 742, 01 , 09:25:03, 29-Jun-2018
6, 14.66, 32.6, 37, 742, 01 , 09:40:03, 29-Jun-2018
7, 14.42, 33.1, 35, 742, 01 , 09:55:03, 29-Jun-2018
8, 13.49, 33.4, 35, 742, 01 , 10:10:03, 29-Jun-2018
9, 13.64, 34.0, 34, 742, 01 , 10:25:03, 29-Jun-2018
10, 27.33, 34.0, 33, 742, 01 , 10:40:03, 29-Jun-2018
11, 14.87, 34.4, 34, 742, 01 , 10:55:03, 29-Jun-2018
12, 13.84, 34.6, 33, 742, 01 , 11:10:03, 29-Jun-2018
13, 17.72, 34.7, 32, 742, 01 , 11:25:03, 29-Jun-2018
14, 21.70, 35.0, 31, 742, 01 , 11:40:03, 29-Jun-2018
15, 28.12, 35.4, 30, 742, 01 , 11:55:03, 29-Jun-2018
16, 32.17, 35.3, 27, 742, 01 , 12:10:03, 29-Jun-2018
17, 11.34, 35.4, 28, 742, 01 , 12:25:03, 29-Jun-2018
18, 11.12, 36.2, 28, 742, 01 , 12:40:03, 29-Jun-2018
19, 10.69, 37.2, 25, 742, 01 , 12:55:03, 29-Jun-2018
20, 10.00, 37.8, 24, 742, 01 , 13:10:03, 29-Jun-2018
21, 10.30, 38.4, 23, 742, 01 , 13:25:03, 29-Jun-2018
22, 10.03, 38.9, 22, 742, 01 , 13:40:03, 29-Jun-2018
23, 10.08, 39.2, 22, 742, 01 , 13:55:03, 29-Jun-2018
24, 10.32, 39.6, 21, 742, 01 , 14:10:03, 29-Jun-2018
25, 10.46, 39.9, 22, 742, 01 , 14:25:03, 29-Jun-2018
26, 10.46, 40.5, 22, 742, 01 , 14:40:03, 29-Jun-2018
27, 10.49, 40.6, 21, 742, 01 , 14:55:03, 29-Jun-2018
28, 11.21, 40.2, 22, 742, 01 , 15:10:03, 29-Jun-2018
29, 10.66, 40.2, 22, 742, 01 , 15:25:03, 29-Jun-2018
30, 10.66, 40.0, 22, 742, 01 , 15:40:03, 29-Jun-2018
31, 10.48, 39.7, 22, 742, 01 , 15:55:03, 29-Jun-2018
32, 10.44, 39.3, 22, 742, 01 , 16:10:03, 29-Jun-2018
33, 10.34, 39.1, 23, 742, 01 , 16:25:03, 29-Jun-2018
34, 10.36, 38.5, 23, 742, 01 , 16:40:03, 29-Jun-2018
35, 10.49, 37.9, 24, 742, 01 , 16:55:03, 29-Jun-2018
36, 10.70, 37.4, 25, 742, 01 , 17:10:03, 29-Jun-2018

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 11:03:31 29-Jun-2018
"Max STEL ", 15.570138
"Max STEL @ ", 10:48:13 29-Jun-2018
"Avg point ", 11.474807
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 12.70, 21.3, 74, 740, 01 , 08:25:03, 29-Jun-2018
2, 12.44, 21.8, 75, 740, 00 , 08:40:03, 29-Jun-2018
3, 12.52, 22.2, 75, 740, 00 , 08:55:03, 29-Jun-2018
4, 13.03, 22.8, 73, 740, 00 , 09:10:03, 29-Jun-2018
5, 12.10, 23.3, 64, 740, 00 , 09:25:03, 29-Jun-2018
6, 12.21, 23.8, 59, 740, 00 , 09:40:03, 29-Jun-2018
7, 11.81, 24.3, 57, 740, 00 , 09:55:03, 29-Jun-2018
8, 12.41, 24.7, 55, 740, 00 , 10:10:03, 29-Jun-2018
9, 11.68, 25.2, 54, 740, 00 , 10:25:03, 29-Jun-2018
10, 15.10, 25.7, 52, 740, 00 , 10:40:03, 29-Jun-2018
11, 12.35, 26.2, 52, 740, 00 , 10:55:03, 29-Jun-2018
12, 13.39, 26.7, 50, 740, 00 , 11:10:03, 29-Jun-2018
13, 10.51, 27.1, 48, 740, 00 , 11:25:03, 29-Jun-2018
14, 10.37, 27.4, 45, 740, 00 , 11:40:03, 29-Jun-2018
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16, 9.19, 28.2, 41, 740, 00 , 12:10:03, 29-Jun-2018
17, 9.17, 28.5, 40, 740, 00 , 12:25:03, 29-Jun-2018
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19, 9.90, 29.3, 38, 740, 00 , 12:55:03, 29-Jun-2018
20, 9.79, 29.7, 37, 740, 00 , 13:10:03, 29-Jun-2018
21, 10.85, 30.0, 35, 740, 00 , 13:25:03, 29-Jun-2018
22, 9.62, 30.2, 35, 740, 00 , 13:40:03, 29-Jun-2018
23, 10.25, 30.5, 34, 740, 00 , 13:55:03, 29-Jun-2018
24, 9.73, 30.8, 33, 740, 00 , 14:10:03, 29-Jun-2018
25, 9.93, 31.0, 34, 740, 00 , 14:25:03, 29-Jun-2018
26, 10.16, 31.4, 34, 740, 00 , 14:40:03, 29-Jun-2018
27, 11.08, 31.9, 32, 740, 00 , 14:55:03, 29-Jun-2018
28, 13.43, 32.2, 32, 740, 00 , 15:10:03, 29-Jun-2018
29, 11.32, 32.6, 31, 740, 00 , 15:25:03, 29-Jun-2018
30, 13.38, 33.1, 30, 740, 00 , 15:40:03, 29-Jun-2018
31, 10.65, 33.6, 29, 740, 00 , 15:55:03, 29-Jun-2018
32, 11.59, 34.8, 29, 740, 00 , 16:10:03, 29-Jun-2018
33, 11.25, 35.5, 27, 740, 00 , 16:25:03, 29-Jun-2018
34, 15.12, 36.3, 26, 740, 00 , 16:40:03, 29-Jun-2018
35, 11.94, 37.3, 24, 740, 00 , 16:55:03, 29-Jun-2018
36, 11.75, 37.8, 24, 740, 00 , 17:10:03, 29-Jun-2018
37, 11.96, 38.0, 23, 740, 00 , 17:25:03, 29-Jun-2018

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 15:20:23 29-Jun-2018
"Max STEL ", 90.067959
"Max STEL @ ", 15:28:03 29-Jun-2018
"Avg point ", 16.389554
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
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1, 14.40, 22.5, 70, 740, 00 , 08:25:03, 29-Jun-2018
2, 14.38, 26.2, 60, 740, 00 , 08:40:03, 29-Jun-2018
3, 15.79, 29.2, 51, 740, 00 , 08:55:03, 29-Jun-2018
4, 16.44, 31.8, 43, 740, 00 , 09:10:03, 29-Jun-2018
5, 13.33, 33.9, 36, 740, 00 , 09:25:03, 29-Jun-2018
6, 12.56, 34.8, 34, 740, 00 , 09:40:03, 29-Jun-2018
7, 12.42, 35.3, 31, 740, 00 , 09:55:03, 29-Jun-2018
8, 12.25, 35.4, 31, 740, 00 , 10:10:03, 29-Jun-2018
9, 12.12, 36.0, 31, 740, 00 , 10:25:03, 29-Jun-2018
10, 12.32, 36.6, 30, 740, 00 , 10:40:03, 29-Jun-2018
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12, 12.06, 37.3, 29, 740, 00 , 11:10:03, 29-Jun-2018
13, 11.32, 37.5, 28, 740, 00 , 11:25:03, 29-Jun-2018
14, 10.80, 37.6, 27, 740, 00 , 11:40:03, 29-Jun-2018
15, 10.73, 37.3, 27, 740, 00 , 11:55:03, 29-Jun-2018
16, 10.39, 36.9, 26, 740, 00 , 12:10:03, 29-Jun-2018
17, 12.87, 37.0, 25, 740, 00 , 12:25:03, 29-Jun-2018
18, 12.60, 36.6, 26, 740, 00 , 12:40:03, 29-Jun-2018
19, 11.72, 35.9, 27, 740, 00 , 12:55:03, 29-Jun-2018
20, 20.61, 35.6, 27, 740, 00 , 13:10:03, 29-Jun-2018
21, 11.91, 35.5, 26, 740, 00 , 13:25:03, 29-Jun-2018
22, 18.21, 35.3, 26, 740, 00 , 13:40:03, 29-Jun-2018
23, 13.88, 35.1, 26, 740, 00 , 13:55:03, 29-Jun-2018
24, 15.83, 35.1, 26, 740, 00 , 14:10:03, 29-Jun-2018
25, 17.36, 35.2, 27, 740, 00 , 14:25:03, 29-Jun-2018
26, 15.59, 35.5, 27, 740, 00 , 14:40:03, 29-Jun-2018
27, 15.59, 35.5, 26, 740, 00 , 14:55:03, 29-Jun-2018
28, 12.88, 35.7, 27, 740, 00 , 15:10:03, 29-Jun-2018
29, 89.53, 35.9, 26, 740, 00 , 15:25:03, 29-Jun-2018
30, 13.02, 36.3, 26, 740, 00 , 15:40:03, 29-Jun-2018
31, 14.92, 36.5, 25, 740, 00 , 15:55:03, 29-Jun-2018
32, 22.10, 36.6, 25, 740, 00 , 16:10:03, 29-Jun-2018
33, 26.27, 37.0, 25, 740, 00 , 16:25:03, 29-Jun-2018
34, 14.63, 36.9, 25, 740, 00 , 16:40:03, 29-Jun-2018
35, 12.69, 36.7, 25, 740, 00 , 16:55:03, 29-Jun-2018
36, 13.65, 37.0, 25, 740, 00 , 17:10:03, 29-Jun-2018

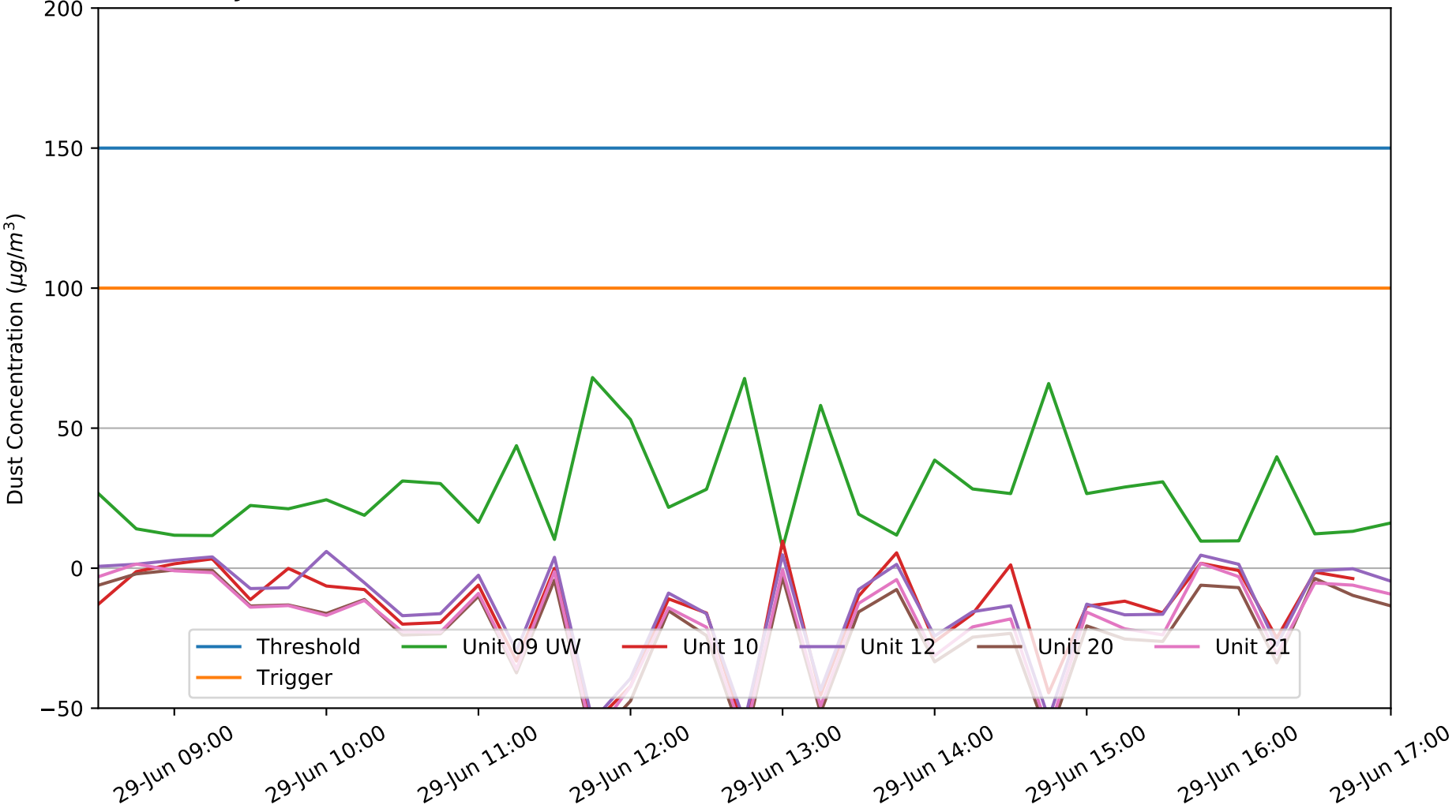
Dust Monitoring Data
MSA 29-Jun-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 09 UW	Unit 20	Unit 12	Unit 21	Unit 10	Threshold	Trigger
2018-06-29 08:30:00	26.68	-6.1	0.66	-3.06	-12.89	150	100
2018-06-29 08:45:00	14.05	-2.03	1.4	1.49	-1.23	150	100
2018-06-29 09:00:00	11.76	-0.65	2.85	-0.93	1.56	150	100
2018-06-29 09:15:00	11.64	-0.78	4.03	-1.59	3.32	150	100
2018-06-29 09:30:00	22.39	-13.5	-7.28	-13.93	-11.24	150	100
2018-06-29 09:45:00	21.2	-13.14	-6.98	-13.36	-0.08	150	100
2018-06-29 10:00:00	24.44	-16.17	5.98	-16.88	-6.37	150	100
2018-06-29 10:15:00	18.88	-11.2	-5.2	-11.53	-7.65	150	100
2018-06-29 10:30:00	31.14	-23.86	-16.97	-22.69	-19.99	150	100
2018-06-29 10:45:00	30.21	-23.44	-16.25	-22.84	-19.41	150	100
2018-06-29 11:00:00	16.35	-10.01	-2.52	-9	-6.04	150	100
2018-06-29 11:15:00	43.75	-37.38	-29.59	-36.11	-33.18	150	100
2018-06-29 11:30:00	10.26	-4.25	3.89	-1.23	-0.07	150	100
2018-06-29 11:45:00	68.08	-62.17	-54.59	-60.7	-55.81	150	100
2018-06-29 12:00:00	53.07	-47.41	-39.36	-42.25	-42.16	150	100
2018-06-29 12:15:00	21.71	-15.19	-8.89	-14.12	-10.95	150	100
2018-06-29 12:30:00	28.17	-24.08	-16.26	-21.08	-16.02	150	100
2018-06-29 12:45:00	67.75	-63.24	-54.71	-60.37	-58.49	150	100
2018-06-29 13:00:00	7.22	-3.26	4.79	-0.51	9.67	150	100
2018-06-29 13:15:00	58.13	-51.62	-43.48	-49.19	-45.3	150	100
2018-06-29 13:30:00	19.28	-15.63	-7.62	-12.58	-9.98	150	100
2018-06-29 13:45:00	11.81	-7.62	1.36	-4.07	5.49	150	100
2018-06-29 14:00:00	38.59	-33.44	-24.23	-31.24	-26.23	150	100
2018-06-29 14:15:00	28.28	-24.64	-15.54	-20.96	-16.29	150	100
2018-06-29 14:30:00	26.63	-23.29	-13.4	-18.12	1.18	150	100
2018-06-29 14:45:00	65.93	-60.56	-53.67	-58.22	-44.51	150	100
2018-06-29 15:00:00	26.62	-20.61	-12.84	-15.68	-13.55	150	100
2018-06-29 15:15:00	28.96	-25.3	-16.65	-21.65	-11.78	150	100
2018-06-29 15:30:00	30.84	-26.17	-16.46	-23.81	-15.92	150	100
2018-06-29 15:45:00	9.66	-6.08	4.65	1.72	1.75	150	100
2018-06-29 16:00:00	9.76	-6.95	1.39	-3.03	-0.85	150	100
2018-06-29 16:15:00	39.78	-33.82	-27.58	-30.84	-24.94	150	100
2018-06-29 16:30:00	12.25	-3.66	-0.98	-5.28	-1.43	150	100
2018-06-29 16:45:00	13.16	-9.72	-0.2	-6.07	-3.72	150	100
2018-06-29 17:00:00	16.14	-13.47	-4.64	-9.26		150	100

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 29-Jun-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



>"Model Number", "PDR-1500", 01.34
"Serial no. ", "0115248912"
"Tag Number ", 15
"Start Time ", 08:15:03
"Start Date ", 29-Jun-2018
"Log Period ", 00:15:00
"Number   ", 35
"CalFactor   ", 1.000000
"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 478.585482
"Max Disp @ ", 12:36:11 29-Jun-2018
"Max STEL   ", 93.385124
"Max STEL @ ", 11:52:33 29-Jun-2018
"Avg point ", 27.559104
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 26.68, 21.4, 62, 738, 01 , 08:30:03, 29-Jun-2018
2, 14.05, 24.1, 65, 738, 00 , 08:45:03, 29-Jun-2018
3, 11.76, 27.6, 60, 738, 00 , 09:00:03, 29-Jun-2018
4, 11.64, 30.6, 49, 738, 00 , 09:15:03, 29-Jun-2018
5, 22.39, 32.9, 40, 740, 00 , 09:30:03, 29-Jun-2018
6, 21.20, 34.9, 35, 740, 00 , 09:45:03, 29-Jun-2018
7, 24.44, 36.0, 33, 740, 00 , 10:00:03, 29-Jun-2018
8, 18.88, 36.7, 32, 740, 00 , 10:15:03, 29-Jun-2018
9, 31.14, 37.3, 31, 740, 00 , 10:30:03, 29-Jun-2018
10, 30.21, 38.0, 31, 740, 00 , 10:45:03, 29-Jun-2018
11, 16.35, 38.7, 30, 740, 00 , 11:00:03, 29-Jun-2018
12, 43.75, 38.9, 30, 740, 00 , 11:15:03, 29-Jun-2018
13, 10.26, 39.0, 29, 740, 00 , 11:30:03, 29-Jun-2018
14, 68.08, 39.2, 29, 740, 00 , 11:45:03, 29-Jun-2018
15, 53.07, 39.6, 27, 740, 00 , 12:00:03, 29-Jun-2018
16, 21.71, 39.4, 26, 740, 00 , 12:15:03, 29-Jun-2018
17, 28.17, 39.6, 26, 740, 02 , 12:30:03, 29-Jun-2018
18, 67.75, 40.2, 26, 740, 00 , 12:45:03, 29-Jun-2018
19, 7.22, 40.3, 27, 740, 00 , 13:00:03, 29-Jun-2018
20, 58.13, 40.1, 26, 740, 00 , 13:15:03, 29-Jun-2018
21, 19.28, 40.0, 24, 740, 00 , 13:30:03, 29-Jun-2018
22, 11.81, 39.1, 25, 740, 00 , 13:45:03, 29-Jun-2018
23, 38.59, 39.2, 25, 740, 00 , 14:00:03, 29-Jun-2018
24, 28.28, 39.0, 25, 740, 00 , 14:15:03, 29-Jun-2018
25, 26.63, 38.9, 26, 740, 00 , 14:30:03, 29-Jun-2018
26, 65.93, 38.7, 26, 740, 00 , 14:45:03, 29-Jun-2018
27, 26.62, 38.1, 26, 740, 00 , 15:00:03, 29-Jun-2018
28, 28.96, 37.6, 27, 740, 03 , 15:15:03, 29-Jun-2018
29, 30.84, 37.5, 28, 740, 01 , 15:30:03, 29-Jun-2018
30, 9.66, 37.5, 29, 740, 00 , 15:45:03, 29-Jun-2018
31, 9.76, 37.6, 28, 740, 00 , 16:00:03, 29-Jun-2018
32, 39.78, 38.1, 27, 738, 00 , 16:15:03, 29-Jun-2018
33, 12.25, 38.4, 28, 740, 00 , 16:30:03, 29-Jun-2018
34, 13.16, 38.4, 27, 740, 00 , 16:45:03, 29-Jun-2018
35, 16.14, 38.2, 27, 740, 00 , 17:00:03, 29-Jun-2018

>"Model Number", "ADR-1500", 01.34
"Serial no. ", "0115249190"
"Tag Number ", 0
"Start Time ", 08:16:50
"Start Date ", 29-Jun-2018
"Log Period ", 00:15:00
"Number   ", 35
"CalFactor   ", 1.000000
"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 105.272508
"Max Disp @ ", 08:23:08 29-Jun-2018
"Max STEL   ", 20.851715
"Max STEL @ ", 08:35:40 29-Jun-2018
"Avg point ", 6.403678
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "site 10"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 20.58, 21.1, 56, 736, 01 , 08:31:50, 29-Jun-2018
2, 12.02, 22.6, 58, 740, 00 , 08:46:50, 29-Jun-2018
3, 11.11, 23.4, 57, 740, 00 , 09:01:50, 29-Jun-2018
4, 10.86, 24.2, 53, 740, 00 , 09:16:50, 29-Jun-2018
5, 8.89, 24.8, 45, 740, 00 , 09:31:50, 29-Jun-2018
6, 8.06, 24.6, 44, 740, 00 , 09:46:50, 29-Jun-2018
7, 8.27, 24.7, 44, 740, 00 , 10:01:50, 29-Jun-2018
8, 7.68, 25.0, 43, 740, 00 , 10:16:50, 29-Jun-2018
9, 7.28, 25.4, 43, 740, 00 , 10:31:50, 29-Jun-2018
10, 6.77, 26.1, 42, 740, 00 , 10:46:50, 29-Jun-2018
11, 6.34, 26.6, 40, 740, 00 , 11:01:50, 29-Jun-2018
12, 6.37, 27.0, 39, 740, 00 , 11:16:50, 29-Jun-2018
13, 6.01, 27.5, 37, 740, 00 , 11:31:50, 29-Jun-2018
14, 5.91, 28.0, 37, 740, 00 , 11:46:50, 29-Jun-2018
15, 5.66, 28.4, 32, 740, 00 , 12:01:50, 29-Jun-2018
16, 6.52, 28.8, 31, 740, 00 , 12:16:50, 29-Jun-2018
17, 4.09, 29.2, 30, 740, 00 , 12:31:50, 29-Jun-2018
18, 4.51, 29.8, 30, 740, 00 , 12:46:50, 29-Jun-2018
19, 3.96, 30.1, 28, 740, 00 , 13:01:50, 29-Jun-2018
20, 6.51, 30.4, 26, 740, 00 , 13:16:50, 29-Jun-2018
21, 3.65, 30.7, 25, 740, 00 , 13:31:50, 29-Jun-2018
22, 4.19, 30.8, 25, 740, 00 , 13:46:50, 29-Jun-2018
23, 5.15, 31.5, 24, 740, 00 , 14:01:50, 29-Jun-2018
24, 3.64, 32.1, 22, 740, 00 , 14:16:50, 29-Jun-2018
25, 3.34, 32.5, 22, 740, 00 , 14:31:50, 29-Jun-2018
26, 5.37, 33.0, 21, 740, 00 , 14:46:50, 29-Jun-2018
27, 6.01, 32.9, 21, 740, 00 , 15:01:50, 29-Jun-2018
28, 3.66, 33.3, 21, 740, 00 , 15:16:50, 29-Jun-2018
29, 4.67, 33.9, 20, 740, 00 , 15:31:50, 29-Jun-2018
30, 3.58, 34.3, 20, 740, 00 , 15:46:50, 29-Jun-2018
31, 2.81, 34.7, 19, 740, 00 , 16:01:50, 29-Jun-2018
32, 5.96, 35.4, 19, 740, 00 , 16:16:50, 29-Jun-2018
33, 8.59, 35.7, 18, 740, 00 , 16:31:50, 29-Jun-2018
34, 3.44, 35.7, 18, 740, 00 , 16:46:50, 29-Jun-2018
35, 2.67, 35.5, 18, 740, 00 , 17:01:50, 29-Jun-2018

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"Serial no. ", "CM15111014"
"Tag Number ", 13
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"Start Date ", 29-Jun-2018
"Log Period ", 00:15:00
"Number   ", 35
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"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 258.156848
"Max Disp @ ", 09:48:55 29-Jun-2018
"Max STEL   ", 30.518820
"Max STEL @ ", 10:00:43 29-Jun-2018
"Avg point ", 14.276433
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 27.34, 18.4, 71, 740, 01 , 08:30:03, 29-Jun-2018
2, 15.45, 20.5, 72, 740, 00 , 08:45:03, 29-Jun-2018
3, 14.61, 22.0, 66, 740, 00 , 09:00:03, 29-Jun-2018
4, 15.67, 23.1, 61, 740, 00 , 09:15:03, 29-Jun-2018
5, 15.11, 23.9, 53, 740, 00 , 09:30:03, 29-Jun-2018
6, 14.22, 23.9, 51, 740, 00 , 09:45:03, 29-Jun-2018
7, 30.42, 24.1, 51, 740, 00 , 10:00:03, 29-Jun-2018
8, 13.68, 24.5, 49, 740, 00 , 10:15:03, 29-Jun-2018
9, 14.17, 24.9, 49, 740, 00 , 10:30:03, 29-Jun-2018
10, 13.96, 25.4, 49, 742, 00 , 10:45:03, 29-Jun-2018
11, 13.83, 26.2, 47, 742, 00 , 11:00:03, 29-Jun-2018
12, 14.16, 26.9, 45, 742, 01 , 11:15:03, 29-Jun-2018
13, 14.15, 27.3, 44, 740, 00 , 11:30:03, 29-Jun-2018
14, 13.49, 27.6, 44, 740, 00 , 11:45:03, 29-Jun-2018
15, 13.71, 28.0, 39, 740, 00 , 12:00:03, 29-Jun-2018
16, 12.82, 27.8, 39, 740, 00 , 12:15:03, 29-Jun-2018
17, 11.91, 28.0, 38, 740, 00 , 12:30:03, 29-Jun-2018
18, 13.04, 28.5, 38, 742, 00 , 12:45:03, 29-Jun-2018
19, 12.01, 28.6, 37, 742, 00 , 13:00:03, 29-Jun-2018
20, 14.65, 28.9, 36, 742, 00 , 13:15:03, 29-Jun-2018
21, 11.66, 28.9, 35, 742, 00 , 13:30:03, 29-Jun-2018
22, 13.17, 28.9, 35, 740, 00 , 13:45:03, 29-Jun-2018
23, 14.36, 29.1, 34, 740, 01 , 14:00:03, 29-Jun-2018
24, 12.74, 29.4, 34, 740, 00 , 14:15:03, 29-Jun-2018
25, 13.23, 29.7, 34, 740, 00 , 14:30:03, 29-Jun-2018
26, 12.26, 30.1, 34, 742, 00 , 14:45:03, 29-Jun-2018
27, 13.78, 30.2, 32, 740, 00 , 15:00:03, 29-Jun-2018
28, 12.31, 30.6, 33, 740, 00 , 15:15:03, 29-Jun-2018
29, 14.38, 31.0, 32, 740, 00 , 15:30:03, 29-Jun-2018
30, 14.31, 31.3, 32, 742, 00 , 15:45:03, 29-Jun-2018
31, 11.15, 32.0, 31, 740, 00 , 16:00:03, 29-Jun-2018
32, 12.20, 32.9, 30, 740, 00 , 16:15:03, 29-Jun-2018
33, 11.27, 33.4, 30, 740, 00 , 16:30:03, 29-Jun-2018
34, 12.96, 33.5, 29, 740, 00 , 16:45:03, 29-Jun-2018
35, 11.50, 33.4, 29, 742, 00 , 17:00:03, 29-Jun-2018

>"Model Number", "PDR-1500", 01.34
"Serial no. ", "0115249059"
"Tag Number ", 2
"Start Time ", 08:15:03
"Start Date ", 29-Jun-2018
"Log Period ", 00:15:00
"Number   ", 35
"CalFactor   ", 1.000000
"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 109.795702
"Max Disp @ ", 08:23:12 29-Jun-2018
"Max STEL   ", 23.822014
"Max STEL @ ", 08:32:03 29-Jun-2018
"Avg point ", 8.732020
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "site 10"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 23.62, 21.7, 57, 740, 01 , 08:30:03, 29-Jun-2018
2, 15.54, 24.2, 56, 740, 00 , 08:45:03, 29-Jun-2018
3, 10.83, 28.8, 42, 740, 00 , 09:00:03, 29-Jun-2018
4, 10.05, 31.9, 34, 740, 00 , 09:15:03, 29-Jun-2018
5, 8.46, 34.4, 26, 740, 00 , 09:30:03, 29-Jun-2018
6, 7.84, 36.7, 22, 740, 00 , 09:45:03, 29-Jun-2018
7, 7.56, 38.1, 20, 740, 00 , 10:00:03, 29-Jun-2018
8, 7.35, 38.7, 19, 740, 00 , 10:15:03, 29-Jun-2018
9, 8.45, 39.2, 19, 740, 00 , 10:30:03, 29-Jun-2018
10, 7.37, 39.4, 19, 740, 00 , 10:45:03, 29-Jun-2018
11, 7.35, 39.6, 18, 740, 00 , 11:00:03, 29-Jun-2018
12, 7.64, 39.3, 18, 740, 00 , 11:15:03, 29-Jun-2018
13, 9.03, 39.0, 19, 740, 00 , 11:30:03, 29-Jun-2018
14, 7.38, 38.5, 19, 740, 00 , 11:45:03, 29-Jun-2018
15, 10.82, 37.9, 19, 740, 00 , 12:00:03, 29-Jun-2018
16, 7.59, 37.0, 19, 740, 00 , 12:15:03, 29-Jun-2018
17, 7.09, 36.4, 20, 740, 00 , 12:30:03, 29-Jun-2018
18, 7.38, 36.0, 21, 740, 00 , 12:45:03, 29-Jun-2018
19, 6.71, 35.6, 21, 740, 00 , 13:00:03, 29-Jun-2018
20, 8.94, 35.2, 21, 740, 00 , 13:15:03, 29-Jun-2018
21, 6.70, 34.7, 20, 740, 00 , 13:30:03, 29-Jun-2018
22, 7.74, 34.4, 21, 740, 00 , 13:45:03, 29-Jun-2018
23, 7.35, 34.4, 21, 740, 00 , 14:00:03, 29-Jun-2018
24, 7.32, 34.5, 21, 740, 00 , 14:15:03, 29-Jun-2018
25, 8.51, 34.9, 21, 740, 00 , 14:30:03, 29-Jun-2018
26, 7.71, 35.4, 21, 740, 00 , 14:45:03, 29-Jun-2018
27, 10.94, 35.1, 20, 740, 00 , 15:00:03, 29-Jun-2018
28, 7.31, 35.1, 21, 740, 00 , 15:15:03, 29-Jun-2018
29, 7.03, 35.5, 20, 740, 00 , 15:30:03, 29-Jun-2018
30, 11.38, 35.8, 20, 740, 00 , 15:45:03, 29-Jun-2018
31, 6.73, 36.2, 19, 740, 00 , 16:00:03, 29-Jun-2018
32, 8.94, 36.8, 19, 740, 00 , 16:15:03, 29-Jun-2018
33, 6.97, 36.9, 19, 740, 00 , 16:30:03, 29-Jun-2018
34, 7.09, 36.6, 19, 740, 00 , 16:45:03, 29-Jun-2018
35, 6.88, 36.2, 19, 740, 00 , 17:00:03, 29-Jun-2018

>"Model Number", "PDR-1500", 01.34
"Serial no. ", "0115248913"
"Tag Number ", 14
"Start Time ", 08:28:13
"Start Date ", 29-Jun-2018
"Log Period ", 00:15:00
"Number   ", 34
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"Unit   ", 0
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"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 145.899558
"Max Disp @ ", 14:42:43 29-Jun-2018
"Max STEL   ", 39.013290
"Max STEL @ ", 14:49:33 29-Jun-2018
"Avg point ", 13.392169
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 13.79, 21.5, 69, 736, 03 , 08:43:13, 29-Jun-2018
2, 12.82, 22.3, 70, 740, 00 , 08:58:13, 29-Jun-2018
3, 13.32, 22.5, 67, 740, 00 , 09:13:13, 29-Jun-2018
4, 14.96, 22.7, 62, 740, 00 , 09:28:13, 29-Jun-2018
5, 11.15, 23.1, 57, 740, 00 , 09:43:13, 29-Jun-2018
6, 21.12, 23.4, 55, 740, 00 , 09:58:13, 29-Jun-2018
7, 18.07, 23.7, 54, 740, 00 , 10:13:13, 29-Jun-2018
8, 11.23, 24.1, 52, 740, 00 , 10:28:13, 29-Jun-2018
9, 11.15, 24.5, 52, 740, 00 , 10:43:13, 29-Jun-2018
10, 10.80, 24.8, 52, 740, 00 , 10:58:13, 29-Jun-2018
11, 10.31, 25.3, 51, 740, 00 , 11:13:13, 29-Jun-2018
12, 10.57, 25.7, 49, 740, 00 , 11:28:13, 29-Jun-2018
13, 10.19, 26.2, 48, 740, 00 , 11:43:13, 29-Jun-2018
14, 12.27, 26.7, 45, 740, 00 , 11:58:13, 29-Jun-2018
15, 10.91, 27.3, 43, 740, 00 , 12:13:13, 29-Jun-2018
16, 10.76, 27.8, 41, 740, 00 , 12:28:13, 29-Jun-2018
17, 12.15, 28.2, 41, 740, 00 , 12:43:13, 29-Jun-2018
18, 9.26, 28.7, 39, 740, 00 , 12:58:13, 29-Jun-2018
19, 16.89, 29.2, 38, 740, 00 , 13:13:13, 29-Jun-2018
20, 12.83, 29.8, 34, 740, 00 , 13:28:13, 29-Jun-2018
21, 9.30, 30.1, 34, 740, 00 , 13:43:13, 29-Jun-2018
22, 17.30, 30.9, 34, 740, 00 , 13:58:13, 29-Jun-2018
23, 12.36, 31.6, 32, 740, 00 , 14:13:13, 29-Jun-2018
24, 11.99, 32.2, 31, 740, 00 , 14:28:13, 29-Jun-2018
25, 27.81, 33.5, 30, 740, 00 , 14:43:13, 29-Jun-2018
26, 21.42, 35.1, 27, 740, 00 , 14:58:13, 29-Jun-2018
27, 13.07, 35.9, 25, 740, 00 , 15:13:13, 29-Jun-2018
28, 17.18, 36.8, 24, 740, 00 , 15:28:13, 29-Jun-2018
29, 14.92, 37.3, 24, 740, 00 , 15:43:13, 29-Jun-2018
30, 11.41, 38.1, 22, 740, 00 , 15:58:13, 29-Jun-2018
31, 8.91, 39.1, 21, 740, 00 , 16:13:13, 29-Jun-2018
32, 14.84, 39.7, 21, 740, 00 , 16:28:13, 29-Jun-2018
33, 10.82, 39.9, 20, 740, 00 , 16:43:13, 29-Jun-2018
34, 9.44, 39.8, 20, 740, 00 , 16:58:13, 29-Jun-2018

DAILY OBSERVATION REPORT

Report No.:	24	Project File:	MN0832D	Date:	6/30/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — *an affiliate of Geosyntec Consultants*

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: James Burnett

Site Representative: Matt Schallinger

Arrive at Site: 0715hrs. Leave Site: 1745 hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Partly Cloudy	am	Partly Cloudy	pm
Temperature:	64° F	am	94° F	pm
Wind Direction:	3 S	am	7 SW	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☒	No ☐	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 24 Project File: MN0832D Date: 6/30/2018

Materials Imported and Removed from Work Areas

Soil Removal:

Total Loads today: 0 Total Loads to date: 42

Weight: 110 tons Total Weight to date: ~942 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date:11

Weight: 0 Tons Total Weight to date: 213 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date:5

Weight: 0Tons Total Weight to date: 132 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: 66

Weight: 0 Tons Total Weight to date: 1418 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0715. Attended Recon safety meeting. Matthew Schallinger, Jay Thompson, Karl Wuolo Younger and Jim Burnett were on site. Held safety tailgate meeting for Geosyntec. Reviewed Heat stress.
- Recon installed secondary silt fence along the east-west EHS and STCC property line. Jim Burnett observed silt fence installation and TSCA truck wash pad construction. Dust monitors were calibrated and deployed. Tisch samplers were deployed across the site.
- TSCA overlay material was uncovered and transported to the MSA throughout the day.
- JT and KWJ organized and started collecting samples with the drill rig. Samples were collected throughout the day with higher priority placed on collecting Phase 1 samples. Collected samples were placed on ice.
- No TSCA trucks were loaded today.
- Crane was mobilized to phase one at K-wing and prepped for sheet piling.

Report No.:	24	Project File:	MN0832D	Date:	6/30/2018

- 20” straw wattle was deployed around the MSA, replacing the 9” straw wattle.
- Materials were procured for installing rain controls on the roof of K-wing.

PM

- Recon broke for lunch between 1200 and 1230
- Recon sprayed water along the haul road and the MSA several times during the day.
- Recon continued to transport overlay material to the MSA.
- Recon completed the truck wash pad.
- Recon brought over concrete blocks to be positioned in an east-west fashion from the northernmost point of the sheet pile wall. The blocks are scheduled to be assembled tomorrow and will be covered with plastic.
- Drillers left site at 1600. Delineation samples were packed and prepared to be shipped.
- Sheet piling along K-wing was unsuccessful. Multiple attempts were made to advance sheet piles along the 25-30’ marked out line parallel to K-wing. Refusals occurred at about 6’ bgs. Recon surmises that the obstruction is some sort of concrete foundational structure. The project team has been notified of the obstruction. The plan for tomorrow is to investigate and further identify the structures limits, depth and overall size.

Report No.: 24 Project File: MN0832D Date: 6/30/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Brian Kilkenny
- Addison Hofferth
- Phil
- Seth Lovell
- Rich Tonnucour
- (Recon labor) X17
- Crane operator (Recon subcontractors)

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- 8x40 Office Trailer
- Portable Toilets
- Hand Wash Stations
- ST-197 Dodge Ram Work Truck
- 8x20 Storage Box
- Trimble GPS System (Base, Rover, Data Collector)
- 8x20 Office Trailer
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 Containments
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Vibratory Hammer
- Roller
- Site F250
- Sheet piling crane.

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
N/A	N/A	N/A

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Substantial Completion Date: NA
Completion Date: NA

ITEMS OF CONCERN:

Sheet piling refusal in phase one along K-wing.
A significant upwind spike in dust concentration occurred around 1200. The elevated concentration was brief and dust control measures were implemented.

DAILY OBSERVATION REPORT

Report No.:	24	Project File:	MN0832D	Date:	6/30/2018

Site Representative: M. Schallinger

Date: 6/30/2018

Name: (*signature*)



:

Report No.: 24 Project File: MN0832D Date: 6/30/2018

Photo Log
Date : 6/30/2018



Installation of secondary silt fencing along STCC property line.



Measuring the liner during construction of the TSCA wash pad.



Installation of 20” wattle in MSA



Preparing to drive sheet pile in Phase one.

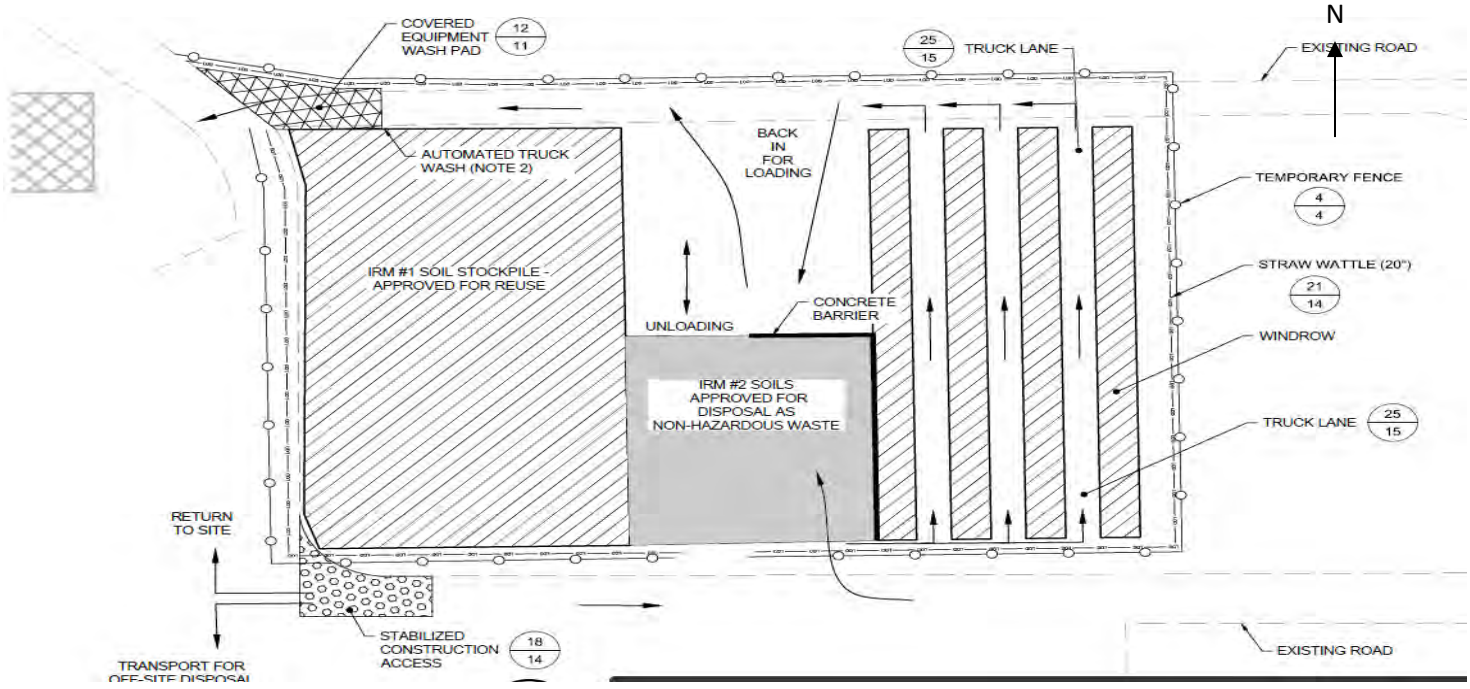
Report No.:	24	Project File:	MN0832D	Date:	6/30/2018

Site Map

Rear Parking Lot

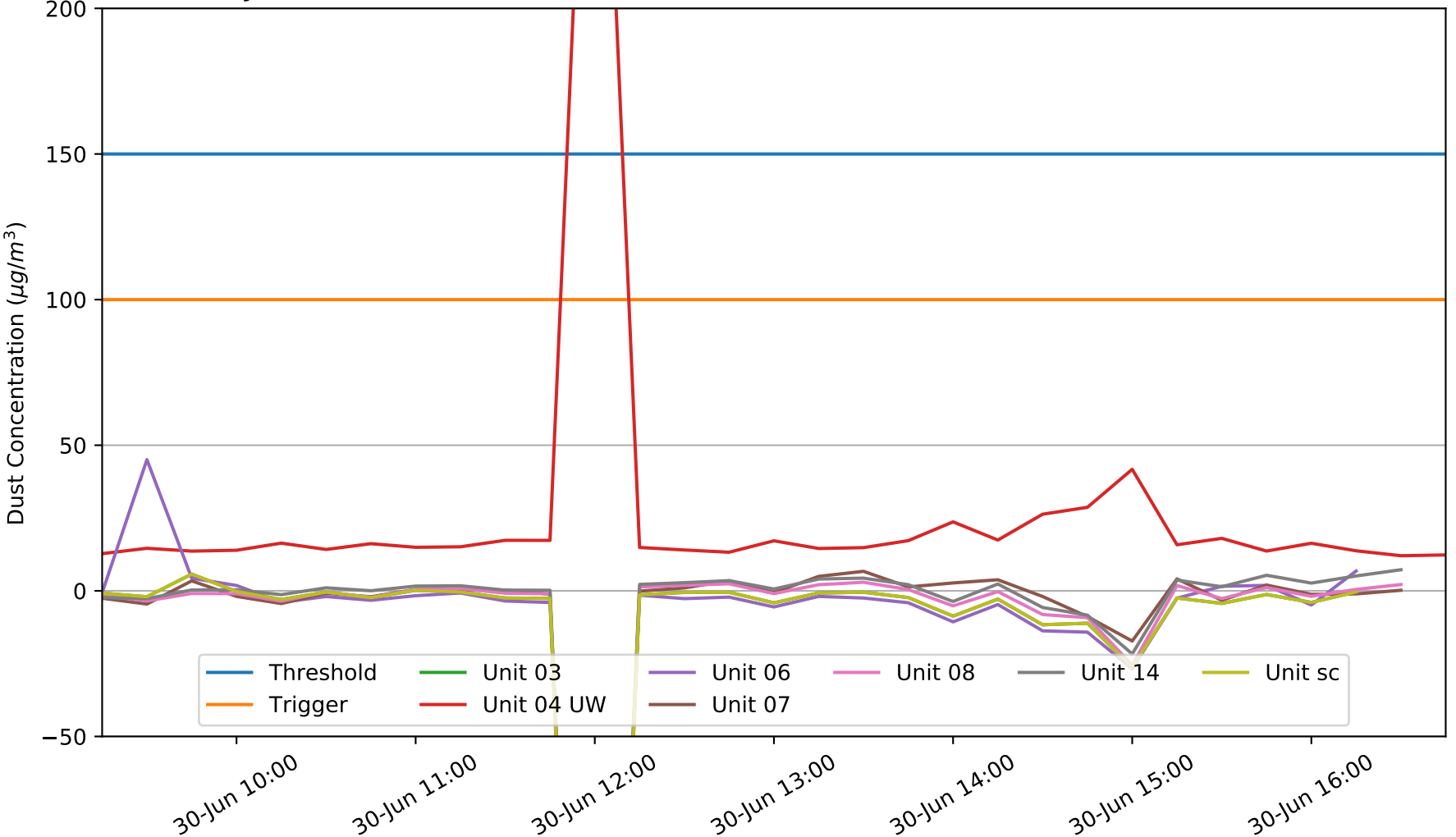


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 30-Jun-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 30-Jun-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 07	Unit 04 UW	Unit sc	Unit 03	Unit 06	Unit 14	Unit 08	Threshold	Trigger
2018-06-30 09:15:00	-2.54	12.77	-0.78	-0.78	-0.67	-2.3	-1.61	150	100
2018-06-30 09:30:00	-4.54	14.61	-2.04	-2.04	45.06	-2.7	-3.46	150	100
2018-06-30 09:45:00	3.42	13.64	5.75	5.75	4.33	0.3	-0.91	150	100
2018-06-30 10:00:00	-1.91	13.93	-0.21	-0.21	1.84	0.34	-0.96	150	100
2018-06-30 10:15:00	-4.37	16.38	-2.97	-2.97	-3.94	-1.31	-3.55	150	100
2018-06-30 10:30:00	-0.82	14.21	-0.43	-0.43	-1.96	1.04	-0.38	150	100
2018-06-30 10:45:00	-2.03	16.19	-2.35	-2.35	-3.24	0.03	-2.25	150	100
2018-06-30 11:00:00	0.46	14.95	0.19	0.19	-1.67	1.63	0.44	150	100
2018-06-30 11:15:00	0.23	15.13	-0.39	-0.39	-0.74	1.74	0.78	150	100
2018-06-30 11:30:00	0.26	17.35	-2.47	-2.47	-3.49	0.25	-0.83	150	100
2018-06-30 11:45:00	-1.15	17.33	-2.61	-2.61	-4	0.2	-1	150	100
2018-06-30 12:00:00	-348.8	368.33	-354.01	-354.01	-355.39	-351.03	-351.06	150	100
2018-06-30 12:15:00	-0.11	14.89	-1.4	-1.4	-1.5	2.2	1.33	150	100
2018-06-30 12:30:00	1.01	14.03	-0.54	-0.54	-2.68	2.81	1.89	150	100
2018-06-30 12:45:00	3.48	13.26	-0.51	-0.51	-2.16	3.5	2.41	150	100
2018-06-30 13:00:00	-0.62	17.18	-4.12	-4.12	-5.53	0.63	-0.95	150	100
2018-06-30 13:15:00	4.97	14.54	-0.74	-0.74	-1.92	4.05	2.11	150	100
2018-06-30 13:30:00	6.7	14.83	-0.48	-0.48	-2.47	4.36	2.95	150	100
2018-06-30 13:45:00	1.34	17.24	-2.31	-2.31	-4.09	2.12	0.44	150	100
2018-06-30 14:00:00	2.71	23.68	-8.68	-8.68	-10.65	-3.65	-5.16	150	100
2018-06-30 14:15:00	3.8	17.44	-2.84	-2.84	-4.7	2.34	-0.27	150	100
2018-06-30 14:30:00	-1.95	26.31	-11.64	-11.64	-13.74	-5.72	-8.14	150	100
2018-06-30 14:45:00	-8.85	28.68	-11.12	-11.12	-14.19	-8.34	-9.21	150	100
2018-06-30 15:00:00	-17.24	41.73	-26.25	-26.25	-26.74	-21.67	-25.5	150	100
2018-06-30 15:15:00	4.1	15.82	-2.45	-2.45	-2.53	3.69	1.82	150	100
2018-06-30 15:30:00	-3.25	18.02	-4.31	-4.31	1.57	1.41	-2.65	150	100
2018-06-30 15:45:00	1.99	13.66	-1.26	-1.26	1.87	5.34	1.12	150	100
2018-06-30 16:00:00	-1.21	16.34	-3.98	-3.98	-4.86	2.66	-1.87	150	100
2018-06-30 16:15:00	-1.05	13.75	-0.38	-0.38	6.81	5.11	0.49	150	100
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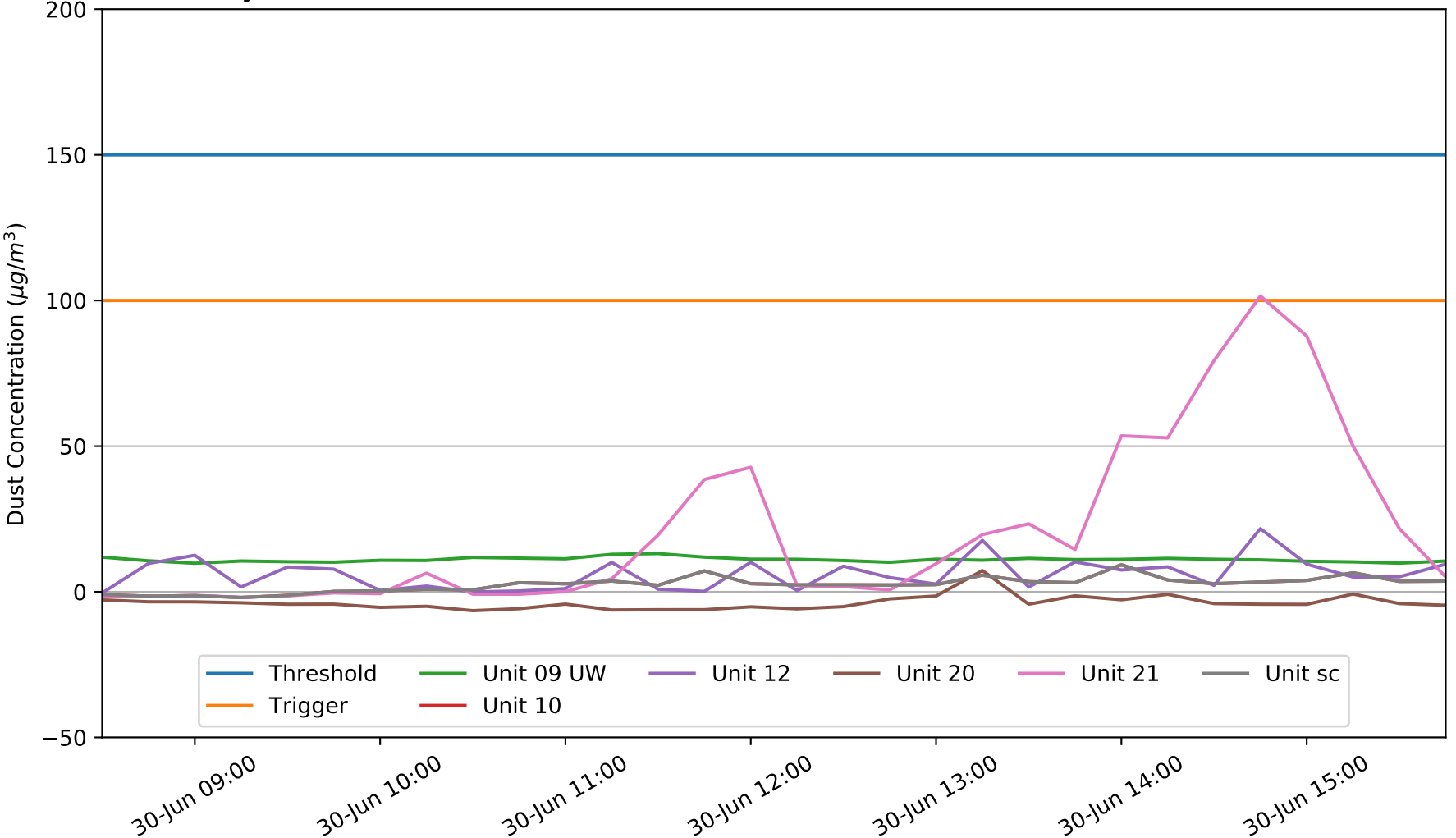
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21, 12.74, 35.1, 31, 742, 02 , 14:15:03, 30-Jun-2018
22, 12.57, 35.5, 29, 742, 02 , 14:30:03, 30-Jun-2018
23, 14.49, 35.8, 27, 742, 02 , 14:45:03, 30-Jun-2018
24, 14.99, 36.3, 26, 742, 02 , 15:00:03, 30-Jun-2018
25, 13.29, 37.1, 24, 742, 02 , 15:15:03, 30-Jun-2018
26, 19.59, 37.7, 23, 742, 02 , 15:30:03, 30-Jun-2018
27, 15.53, 38.1, 22, 742, 02 , 15:45:03, 30-Jun-2018
28, 11.48, 38.4, 22, 742, 02 , 16:00:03, 30-Jun-2018
29, 20.56, 38.5, 21, 742, 02 , 16:15:03, 30-Jun-2018

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"Max STEL @ ", 14:41:31 30-Jun-2018
"Avg point ", 17.485033
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 10.47, 22.7, 67, 736, 03 , 09:16:51, 30-Jun-2018
2, 11.91, 27.0, 57, 740, 00 , 09:31:51, 30-Jun-2018
3, 13.94, 30.1, 48, 740, 00 , 09:46:51, 30-Jun-2018
4, 14.27, 32.7, 42, 740, 00 , 10:01:51, 30-Jun-2018
5, 15.07, 34.6, 38, 740, 00 , 10:16:51, 30-Jun-2018
6, 15.25, 36.5, 36, 740, 00 , 10:31:51, 30-Jun-2018
7, 16.22, 38.3, 32, 740, 00 , 10:46:51, 30-Jun-2018
8, 16.58, 40.7, 29, 740, 00 , 11:01:51, 30-Jun-2018
9, 16.87, 42.3, 27, 740, 00 , 11:16:51, 30-Jun-2018
10, 17.60, 42.5, 25, 740, 00 , 11:31:51, 30-Jun-2018
11, 17.53, 42.1, 25, 740, 00 , 11:46:51, 30-Jun-2018
12, 17.30, 42.1, 25, 740, 00 , 12:01:51, 30-Jun-2018
13, 17.09, 42.5, 24, 740, 00 , 12:16:51, 30-Jun-2018
14, 16.84, 42.1, 24, 740, 00 , 12:31:51, 30-Jun-2018
15, 16.76, 42.4, 24, 740, 00 , 12:46:51, 30-Jun-2018
16, 17.81, 43.1, 23, 740, 00 , 13:01:51, 30-Jun-2018
17, 18.59, 43.3, 24, 740, 00 , 13:16:51, 30-Jun-2018
18, 19.19, 44.1, 24, 740, 00 , 13:31:51, 30-Jun-2018
19, 19.36, 44.8, 23, 740, 00 , 13:46:51, 30-Jun-2018
20, 20.03, 45.3, 22, 740, 00 , 14:01:51, 30-Jun-2018
21, 19.78, 45.7, 22, 740, 00 , 14:16:51, 30-Jun-2018
22, 20.59, 46.0, 21, 740, 00 , 14:31:51, 30-Jun-2018
23, 20.34, 45.5, 21, 740, 00 , 14:46:51, 30-Jun-2018
24, 20.06, 44.7, 21, 740, 00 , 15:01:51, 30-Jun-2018
25, 19.51, 44.5, 20, 740, 00 , 15:16:51, 30-Jun-2018
26, 19.43, 42.3, 22, 740, 00 , 15:31:51, 30-Jun-2018
27, 19.00, 41.6, 23, 740, 00 , 15:46:51, 30-Jun-2018
28, 19.00, 42.3, 22, 740, 00 , 16:01:51, 30-Jun-2018
29, 18.86, 42.4, 22, 740, 00 , 16:16:51, 30-Jun-2018
30, 19.30, 42.2, 23, 740, 00 , 16:31:51, 30-Jun-2018

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 15:04:19 30-Jun-2018
"Max STEL ", 19.991894
"Max STEL @ ", 14:38:43 30-Jun-2018
"Avg point ", 15.548793
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 11.16, 22.7, 66, 740, 01 , 09:15:03, 30-Jun-2018
2, 11.15, 29.9, 46, 738, 00 , 09:30:03, 30-Jun-2018
3, 12.73, 37.1, 31, 738, 00 , 09:45:03, 30-Jun-2018
4, 12.97, 42.7, 24, 738, 00 , 10:00:03, 30-Jun-2018
5, 12.83, 46.5, 19, 738, 00 , 10:15:03, 30-Jun-2018
6, 13.83, 49.5, 16, 738, 00 , 10:30:03, 30-Jun-2018
7, 13.94, 50.5, 15, 738, 00 , 10:45:03, 30-Jun-2018
8, 15.39, 51.7, 15, 738, 00 , 11:00:03, 30-Jun-2018
9, 15.91, 52.7, 14, 738, 00 , 11:15:03, 30-Jun-2018
10, 16.52, 52.5, 13, 738, 00 , 11:30:03, 30-Jun-2018
11, 16.33, 51.3, 13, 738, 00 , 11:45:03, 30-Jun-2018
12, 17.27, 49.5, 15, 738, 00 , 12:00:03, 30-Jun-2018
13, 16.22, 47.3, 17, 738, 00 , 12:15:03, 30-Jun-2018
14, 15.92, 45.3, 19, 738, 00 , 12:30:03, 30-Jun-2018
15, 15.67, 43.7, 20, 738, 00 , 12:45:03, 30-Jun-2018
16, 16.23, 42.4, 22, 738, 00 , 13:00:03, 30-Jun-2018
17, 16.65, 41.5, 24, 738, 00 , 13:15:03, 30-Jun-2018
18, 17.78, 40.6, 26, 738, 00 , 13:30:03, 30-Jun-2018
19, 17.68, 40.0, 27, 738, 00 , 13:45:03, 30-Jun-2018
20, 18.52, 39.5, 27, 738, 00 , 14:00:03, 30-Jun-2018
21, 17.17, 39.2, 28, 738, 00 , 14:15:03, 30-Jun-2018
22, 18.17, 39.1, 28, 738, 00 , 14:30:03, 30-Jun-2018
23, 19.47, 39.1, 27, 738, 00 , 14:45:03, 30-Jun-2018
24, 16.23, 38.9, 25, 738, 00 , 15:00:03, 30-Jun-2018
25, 17.64, 39.0, 25, 738, 00 , 15:15:03, 30-Jun-2018
26, 15.37, 39.0, 25, 738, 00 , 15:30:03, 30-Jun-2018
27, 14.78, 39.1, 24, 738, 00 , 15:45:03, 30-Jun-2018
28, 14.47, 39.1, 24, 738, 00 , 16:00:03, 30-Jun-2018
29, 14.24, 38.8, 25, 738, 00 , 16:15:03, 30-Jun-2018
30, 14.22, 38.5, 25, 738, 00 , 16:30:03, 30-Jun-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 30-Jun-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 30-Jun-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 12	Unit 20	Unit 09 UW	Unit 21	Unit sc	Unit 10	Threshold	Trigger
2018-06-30 08:30:00	-0.39	-2.78	11.89	-1.71	-0.98	-0.98	150	100
2018-06-30 08:45:00	9.73	-3.43	10.64	-1.6	-1.5	-1.5	150	100
2018-06-30 09:00:00	12.52	-3.45	9.8	-1.23	-1.32	-1.32	150	100
2018-06-30 09:15:00	1.66	-3.78	10.57	-1.87	-1.97	-1.97	150	100
2018-06-30 09:30:00	8.51	-4.28	10.32	-1.4	-1.23	-1.23	150	100
2018-06-30 09:45:00	7.78	-4.24	10.16	-0.38	0.12	0.12	150	100
2018-06-30 10:00:00	0.46	-5.36	10.82	-0.66	0.31	0.31	150	100
2018-06-30 10:15:00	1.96	-4.99	10.76	6.42	0.89	0.89	150	100
2018-06-30 10:30:00	-0.06	-6.48	11.8	-0.83	0.68	0.68	150	100
2018-06-30 10:45:00	0.29	-5.81	11.55	-0.84	3.13	3.13	150	100
2018-06-30 11:00:00	1.09	-4.23	11.32	0.04	2.75	2.75	150	100
2018-06-30 11:15:00	10.1	-6.24	12.86	4.47	3.69	3.69	150	100
2018-06-30 11:30:00	0.89	-6.16	13.11	19.48	2.24	2.24	150	100
2018-06-30 11:45:00	0.15	-6.15	11.89	38.55	7.17	7.17	150	100
2018-06-30 12:00:00	10.16	-5.16	11.18	42.76	2.78	2.78	150	100
2018-06-30 12:15:00	0.41	-5.86	11.15	2.11	2.37	2.37	150	100
2018-06-30 12:30:00	8.8	-5.09	10.73	1.8	2.39	2.39	150	100
2018-06-30 12:45:00	4.87	-2.43	10.13	0.64	2.34	2.34	150	100
2018-06-30 13:00:00	2.65	-1.45	11.19	9.65	2.45	2.45	150	100
2018-06-30 13:15:00	17.66	7.3	10.85	19.62	5.69	5.69	150	100
2018-06-30 13:30:00	1.63	-4.26	11.48	23.32	3.47	3.47	150	100
2018-06-30 13:45:00	10.27	-1.38	11.05	14.51	3.13	3.13	150	100
2018-06-30 14:00:00	7.49	-2.74	11.13	53.54	9.27	9.27	150	100
2018-06-30 14:15:00	8.57	-0.87	11.47	52.84	4.04	4.04	150	100
2018-06-30 14:30:00	2.2	-4.05	11.16	79.38	2.79	2.79	150	100
2018-06-30 14:45:00	21.67	-4.27	10.96	101.56	3.33	3.33	150	100
2018-06-30 15:00:00	9.5	-4.31	10.48	87.8	3.9	3.9	150	100
2018-06-30 15:15:00	5.06	-0.76	10.26	50.02	6.52	6.52	150	100
2018-06-30 15:30:00	5.15	-4.05	9.83	21.68	3.57	3.57	150	100
2018-06-30 15:45:00	9.48	-4.63	10.56	5.09	3.66	3.66	150	100

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 14:49:47 30-Jun-2018
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"Max STEL @ ", 15:03:03 30-Jun-2018
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"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
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"FlowRate   ", 1.200000
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3, 22.32, 26.1, 50, 742, 00 , 09:10:03, 30-Jun-2018
4, 12.23, 28.3, 46, 742, 00 , 09:25:03, 30-Jun-2018
5, 18.83, 30.3, 41, 742, 00 , 09:40:03, 30-Jun-2018
6, 17.94, 32.7, 37, 742, 00 , 09:55:03, 30-Jun-2018
7, 11.28, 34.6, 35, 742, 00 , 10:10:03, 30-Jun-2018
8, 12.72, 36.3, 33, 742, 00 , 10:25:03, 30-Jun-2018
9, 11.74, 37.3, 32, 742, 00 , 10:40:03, 30-Jun-2018
10, 11.84, 37.3, 32, 742, 00 , 10:55:03, 30-Jun-2018
11, 12.41, 37.3, 32, 742, 00 , 11:10:03, 30-Jun-2018
12, 22.96, 38.5, 30, 742, 00 , 11:25:03, 30-Jun-2018
13, 14.00, 39.5, 28, 742, 00 , 11:40:03, 30-Jun-2018
14, 12.04, 40.1, 27, 742, 00 , 11:55:03, 30-Jun-2018
15, 21.34, 40.6, 28, 742, 00 , 12:10:03, 30-Jun-2018
16, 11.56, 40.9, 27, 742, 00 , 12:25:03, 30-Jun-2018
17, 19.53, 41.5, 25, 742, 00 , 12:40:03, 30-Jun-2018
18, 15.00, 41.4, 24, 742, 00 , 12:55:03, 30-Jun-2018
19, 13.84, 41.7, 25, 742, 00 , 13:10:03, 30-Jun-2018
20, 28.51, 41.9, 25, 742, 00 , 13:25:03, 30-Jun-2018
21, 13.11, 41.2, 26, 742, 00 , 13:40:03, 30-Jun-2018
22, 21.32, 41.7, 26, 742, 00 , 13:55:03, 30-Jun-2018
23, 18.62, 42.0, 25, 742, 00 , 14:10:03, 30-Jun-2018
24, 20.04, 41.7, 25, 742, 00 , 14:25:03, 30-Jun-2018
25, 13.36, 41.5, 25, 742, 00 , 14:40:03, 30-Jun-2018
26, 32.63, 41.9, 24, 742, 00 , 14:55:03, 30-Jun-2018
27, 19.98, 41.8, 23, 742, 00 , 15:10:03, 30-Jun-2018
28, 15.32, 41.4, 23, 742, 01 , 15:25:03, 30-Jun-2018
29, 14.98, 41.2, 23, 742, 00 , 15:40:03, 30-Jun-2018
30, 20.04, 41.0, 23, 742, 00 , 15:55:03, 30-Jun-2018

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"Tag Number ", 1
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"Unit   ", 0
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"RH CORRECT ", "ENABLED "
"Max Disp   ", 86.759520
"Max Disp @ ", 13:19:24 30-Jun-2018
"Max STEL   ", 20.961001
"Max STEL @ ", 13:21:03 30-Jun-2018
"Avg point ", 7.323991
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 9.11, 23.1, 51, 742, 00 , 08:40:03, 30-Jun-2018
2, 7.21, 27.9, 40, 740, 00 , 08:55:03, 30-Jun-2018
3, 6.35, 30.5, 34, 740, 00 , 09:10:03, 30-Jun-2018
4, 6.79, 31.4, 32, 740, 00 , 09:25:03, 30-Jun-2018
5, 6.04, 32.0, 31, 740, 00 , 09:40:03, 30-Jun-2018
6, 5.92, 34.1, 28, 740, 00 , 09:55:03, 30-Jun-2018
7, 5.46, 35.9, 25, 740, 00 , 10:10:03, 30-Jun-2018
8, 5.77, 38.1, 23, 740, 00 , 10:25:03, 30-Jun-2018
9, 5.32, 38.9, 22, 740, 00 , 10:40:03, 30-Jun-2018
10, 5.74, 39.0, 23, 740, 00 , 10:55:03, 30-Jun-2018
11, 7.09, 39.5, 22, 740, 00 , 11:10:03, 30-Jun-2018
12, 6.62, 40.4, 20, 740, 00 , 11:25:03, 30-Jun-2018
13, 6.95, 40.8, 18, 740, 00 , 11:40:03, 30-Jun-2018
14, 5.74, 40.8, 19, 740, 00 , 11:55:03, 30-Jun-2018
15, 6.02, 41.0, 18, 740, 00 , 12:10:03, 30-Jun-2018
16, 5.29, 40.9, 18, 740, 00 , 12:25:03, 30-Jun-2018
17, 5.64, 40.7, 18, 740, 00 , 12:40:03, 30-Jun-2018
18, 7.70, 40.1, 17, 740, 00 , 12:55:03, 30-Jun-2018
19, 9.74, 39.8, 19, 740, 00 , 13:10:03, 30-Jun-2018
20, 18.15, 39.5, 20, 740, 00 , 13:25:03, 30-Jun-2018
21, 7.22, 38.9, 21, 740, 00 , 13:40:03, 30-Jun-2018
22, 9.67, 38.8, 22, 740, 00 , 13:55:03, 30-Jun-2018
23, 8.39, 39.0, 21, 740, 00 , 14:10:03, 30-Jun-2018
24, 10.60, 38.9, 21, 740, 00 , 14:25:03, 30-Jun-2018
25, 7.11, 38.9, 20, 740, 00 , 14:40:03, 30-Jun-2018
26, 6.69, 39.2, 19, 740, 00 , 14:55:03, 30-Jun-2018
27, 6.17, 39.4, 17, 740, 00 , 15:10:03, 30-Jun-2018
28, 9.50, 39.6, 17, 740, 00 , 15:25:03, 30-Jun-2018
29, 5.78, 40.0, 16, 740, 00 , 15:40:03, 30-Jun-2018
30, 5.93, 40.6, 16, 740, 00 , 15:55:03, 30-Jun-2018

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"Log Period ", 00:15:00
"Number   ", 30
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"Unit   ", 0
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"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 23.340764
"Max Disp @ ", 11:29:08 30-Jun-2018
"Max STEL   ", 13.765619
"Max STEL @ ", 11:33:23 30-Jun-2018
"Avg point ", 11.037506
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 11.89, 21.7, 56, 740, 01 , 08:40:03, 30-Jun-2018
2, 10.64, 23.6, 61, 738, 00 , 08:55:03, 30-Jun-2018
3, 9.80, 25.4, 60, 738, 00 , 09:10:03, 30-Jun-2018
4, 10.57, 26.3, 57, 740, 00 , 09:25:03, 30-Jun-2018
5, 10.32, 27.1, 57, 740, 00 , 09:40:03, 30-Jun-2018
6, 10.16, 29.2, 55, 740, 00 , 09:55:03, 30-Jun-2018
7, 10.82, 30.8, 50, 740, 00 , 10:10:03, 30-Jun-2018
8, 10.76, 32.3, 48, 740, 00 , 10:25:03, 30-Jun-2018
9, 11.80, 33.0, 46, 740, 00 , 10:40:03, 30-Jun-2018
10, 11.55, 34.1, 47, 740, 00 , 10:55:03, 30-Jun-2018
11, 11.32, 35.5, 45, 740, 00 , 11:10:03, 30-Jun-2018
12, 12.86, 36.3, 43, 740, 00 , 11:25:03, 30-Jun-2018
13, 13.11, 36.3, 40, 740, 00 , 11:40:03, 30-Jun-2018
14, 11.89, 36.4, 41, 740, 00 , 11:55:03, 30-Jun-2018
15, 11.18, 37.0, 39, 740, 00 , 12:10:03, 30-Jun-2018
16, 11.15, 36.9, 39, 740, 00 , 12:25:03, 30-Jun-2018
17, 10.73, 37.4, 38, 740, 00 , 12:40:03, 30-Jun-2018
18, 10.13, 37.9, 36, 740, 00 , 12:55:03, 30-Jun-2018
19, 11.19, 38.6, 36, 740, 00 , 13:10:03, 30-Jun-2018
20, 10.85, 39.3, 37, 740, 00 , 13:25:03, 30-Jun-2018
21, 11.48, 39.9, 35, 740, 00 , 13:40:03, 30-Jun-2018
22, 11.05, 40.1, 35, 740, 00 , 13:55:03, 30-Jun-2018
23, 11.13, 40.4, 35, 740, 00 , 14:10:03, 30-Jun-2018
24, 11.47, 40.7, 34, 740, 00 , 14:25:03, 30-Jun-2018
25, 11.16, 40.5, 33, 740, 00 , 14:40:03, 30-Jun-2018
26, 10.96, 40.7, 32, 740, 00 , 14:55:03, 30-Jun-2018
27, 10.48, 40.9, 30, 740, 00 , 15:10:03, 30-Jun-2018
28, 10.26, 41.0, 30, 740, 00 , 15:25:03, 30-Jun-2018
29, 9.83, 41.5, 24, 740, 00 , 15:40:03, 30-Jun-2018
30, 10.56, 41.7, 20, 740, 00 , 15:55:03, 30-Jun-2018

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"Serial no. ", "0115249059"
"Tag Number ", 3
"Start Time ", 08:25:03
"Start Date ", 30-Jun-2018
"Log Period ", 00:15:00
"Number   ", 30
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"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 560.792637
"Max Disp @ ", 15:21:36 30-Jun-2018
"Max STEL   ", 163.867021
"Max STEL @ ", 15:03:43 30-Jun-2018
"Avg point ", 31.862247
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 10.18, 18.6, 66, 740, 01 , 08:40:03, 30-Jun-2018
2, 9.04, 18.8, 70, 740, 00 , 08:55:03, 30-Jun-2018
3, 8.57, 19.5, 71, 740, 00 , 09:10:03, 30-Jun-2018
4, 8.70, 20.4, 70, 740, 00 , 09:25:03, 30-Jun-2018
5, 8.92, 21.4, 67, 740, 00 , 09:40:03, 30-Jun-2018
6, 9.78, 22.7, 62, 740, 00 , 09:55:03, 30-Jun-2018
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DAILY OBSERVATION REPORT

Report No.:	24	Project File:	MN0832D	Date:	7/1/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — *an affiliate of Geosyntec Consultants*

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: James Burnett

Site Representative: Matt Schallinger

Arrive at Site: 0715hrs. Leave Site: 1645 hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Partly Cloudy	am	Partly Cloudy	pm
Temperature:	75° F	am	96° F	pm
Wind Direction:	0 S	am	6 SW	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 24 Project File: MN0832D Date: 7/1/2018

Materials Imported and Removed from Work Areas

Soil Removal:

Total Loads today: 0 Total Loads to date: 42

Weight: 110 tons Total Weight to date: ~942 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date:11

Weight: 0 Tons Total Weight to date: 213 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date:5

Weight: 0Tons Total Weight to date: 132 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: 66

Weight: 0 Tons Total Weight to date: 1418 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0715. Attended Recon safety meeting. Matthew Schallinger, Jay Thompson, Karl Wuolo Younger and Jim Burnett were on site. Held safety tailgate meeting for Geosyntec. Reviewed heat stress, stop work authority, difficult working conditions.
- Recon re-surveyed the gas-line and visually spotted the gas-line using pothole methods. This structure was marked out with spray paint.
- 2-4 ft and 4-6 ft TSCA material was excavated from Phase one during concrete obstruction investigation. Material from this layer was transported to the accumulation area using a designated dump truck which traveled over geotextile.
- Additional 2-4 ft and 4-6 ft non-hazardous material was transported to the MSA during this investigation.
- JT and KWJ organized and started collecting samples with the drill rig. Samples were collected throughout the day. Collected samples were placed on ice.

Report No.:	24	Project File:	MN0832D	Date:	7/1/2018

- No TSCA trucks were loaded today.
- Crane was immobilized for about two hours this morning. After performing the daily inspection before work, it was discovered that the cable frayed. The cable was cut above the impairment and re-strung rendering work to proceed.
- The 4 roof drains on top of K-wing were capped and sump pumps were installed as part of the discussed rain control program. 4 separate garden hoses connected to each sump lead off the roof to the storm drain on the north side of the building.

PM

- Recon broke for lunch between 1200 and 1245
- Recon sprayed water along the haul road and the MSA several times during the day.
- Excavation continued to identify and delineate the concrete structure(s) in phase one. Concrete structures encountered are about 6’ bgs and extend at least 35’ to the south. Recon is working on creating a surveyed map of currently uncovered structures that should be ready for distribution before tomorrows 1000 progress meeting.
- Recon continued to excavate TSCA and non-hazardous material to the accumulation area and MSA respectively.
- Recon completed the concrete barrier wall around the TSCA accumulation area. It is about 18’ by 4’ and was covered with plastic.
- Drillers left site at 1500. Delineation samples were packed and prepared to be shipped.
- Sheet piling along the gas line was mostly unsuccessful with 2 piles partially driven. Refusals were encountered around 6-8 ft bgs.
- The crane has been repositioned to the NW corner of the RPL and will attempt to drive piles in the area first thing in the morning.
- No dust exceedances were recorded today.

Report No.: 24 Project File: MN0832D Date: 7/1/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Brian Kilkenny
- Addison Hofferth
- Rich Tonnucour
- (Recon labor) X18
- Crane operator (Recon subcontractors)

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- 8x40 Office Trailer
- Portable Toilets
- Hand Wash Stations
- ST-197 Dodge Ram Work Truck
- 8x20 Storage Box
- Trimble GPS System (Base, Rover, Data Collector)
- 8x20 Office Trailer
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 Containments
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Vibratory Hammer
- Roller
- Site F250
- Sheet piling crane.

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
N/A	N/A	N/A

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Substantial Completion Date: NA
Completion Date: NA

ITEMS OF CONCERN:

Sheet piling continues to see refusals
Heat Stress

DAILY OBSERVATION REPORT

Report No.:	24	Project File:	MN0832D	Date:	7/1/2018

Site Representative: M. Schallinger

Date: 7/1/2018

Name: (*signature*)



:

Report No.: 24 Project File: MN0832D Date: 7/1/2018

Photo Log
Date : 7/01/2018



Frayed crane cable.



Laying down geotextile for TSCA material transport to accumulation area.



Completion of concrete barrier wall.



Completion of rain controls with 4 sumps and garden hoses.

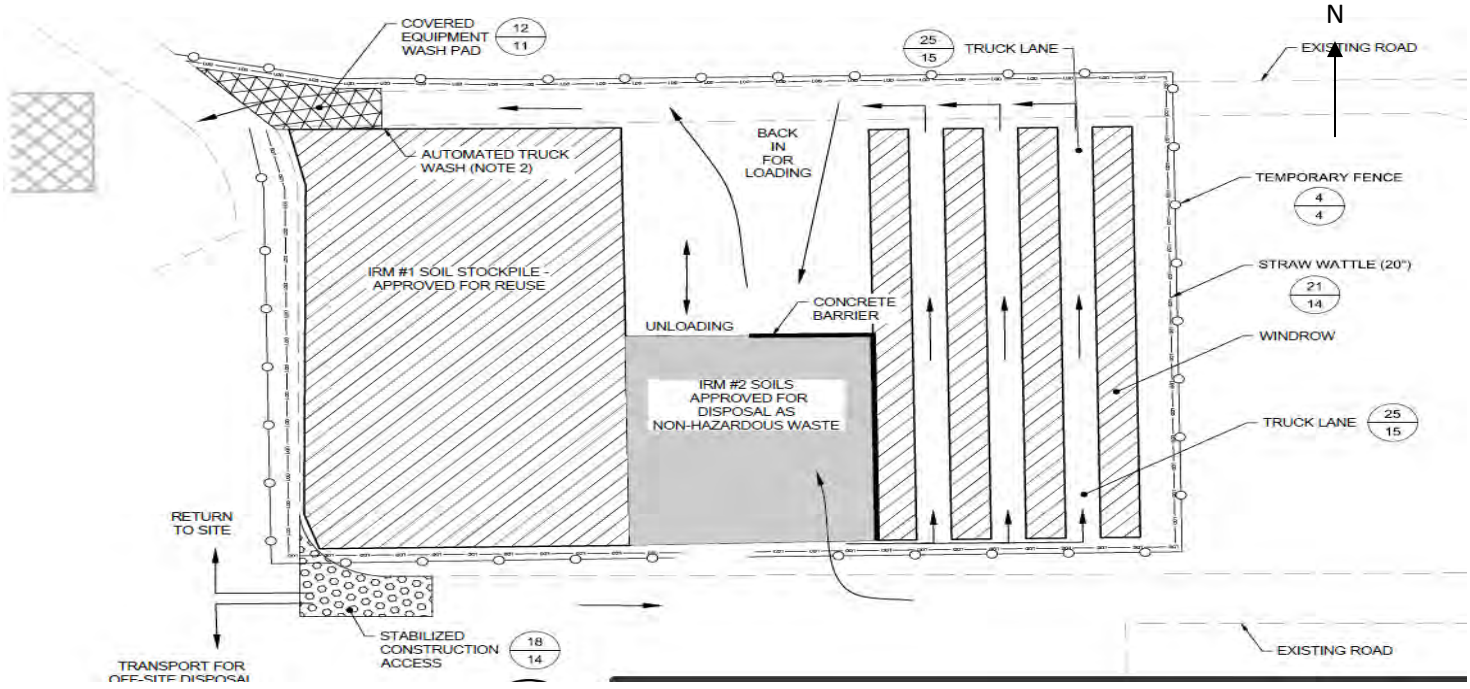
Report No.:	24	Project File:	MN0832D	Date:	7/1/2018

Site Map

Rear Parking Lot

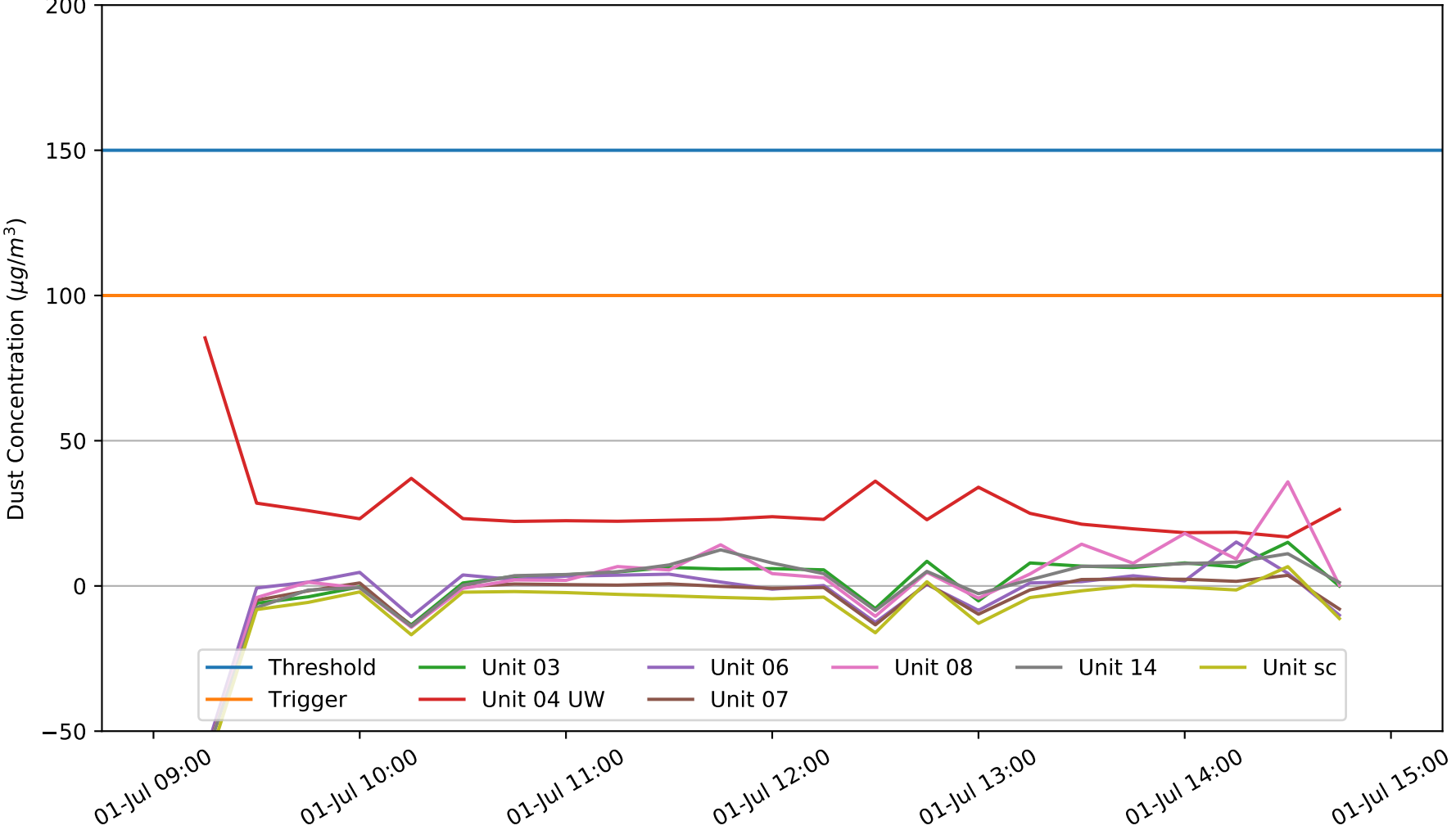


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 01-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 01-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit sc	Unit 08	Unit 04 UW	Unit 14	Unit 06	Unit 07	Unit 03	Threshold	Trigger
2018-07-01 08:45:00								150	100
2018-07-01 09:00:00								150	100
2018-07-01 09:15:00	-64.16	-60.05	85.4	-59.5	-57.9	-59.26	-58.09	150	100
2018-07-01 09:30:00	-8.13	-4	28.5	-7.45	-0.7	-4.9	-5.97	150	100
2018-07-01 09:45:00	-5.67	1.29	25.93	-1.41	1.31	-1.69	-3.75	150	100
2018-07-01 10:00:00	-2.06	-0.7	23.12	-0.58	4.68	1.03	-0.34	150	100
2018-07-01 10:15:00	-16.82	-14.25	37.04	-13.91	-10.56	-13.76	-13.4	150	100
2018-07-01 10:30:00	-2.15	-0.85	23.18	0.26	3.78	-0.22	1.01	150	100
2018-07-01 10:45:00	-1.94	2.06	22.22	3.53	2.18	0.66	3.32	150	100
2018-07-01 11:00:00	-2.29	1.92	22.46	3.93	3.37	0.45	3.83	150	100
2018-07-01 11:15:00	-2.9	6.67	22.27	4.87	3.7	0.28	4.82	150	100
2018-07-01 11:30:00	-3.39	5.51	22.61	7.23	4.05	0.71	6.37	150	100
2018-07-01 11:45:00	-3.96	14.17	22.93	12.43	1.35	-0.15	5.82	150	100
2018-07-01 12:00:00	-4.41	4.24	23.84	7.87	-1.12	-0.81	5.96	150	100
2018-07-01 12:15:00	-3.85	2.81	22.91	4.21	0.14	-0.54	5.54	150	100
2018-07-01 12:30:00	-16.13	-10.45	36.09	-8.47	-12.56	-13.4	-7.78	150	100
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2018-07-01 13:30:00	-1.68	14.38	21.26	6.75	1.48	2.21	6.82	150	100
2018-07-01 13:45:00	0.12	7.8	19.66	6.89	3.5	2.37	6.35	150	100
2018-07-01 14:00:00	-0.44	18.07	18.34	7.69	1.74	2.29	7.93	150	100
2018-07-01 14:15:00	-1.39	9.25	18.49	8.21	15.13	1.58	6.54	150	100
2018-07-01 14:30:00	6.65	35.86	16.85	11.1	4.36	3.65	15.03	150	100
2018-07-01 14:45:00	-11.23	0.21	26.35	1.19	-10.08	-7.97	-0.04	150	100
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6, 22.33, 49.5, 19, 740, 00 , 10:40:03, 01-Jul-2018
7, 24.28, 50.4, 18, 740, 00 , 10:55:03, 01-Jul-2018
8, 24.38, 50.0, 19, 740, 00 , 11:10:03, 01-Jul-2018
9, 28.94, 48.7, 20, 740, 00 , 11:25:03, 01-Jul-2018
10, 28.12, 47.2, 20, 738, 00 , 11:40:03, 01-Jul-2018
11, 37.10, 46.4, 21, 738, 00 , 11:55:03, 01-Jul-2018
12, 28.08, 45.8, 22, 738, 00 , 12:10:03, 01-Jul-2018
13, 25.72, 45.3, 23, 738, 00 , 12:25:03, 01-Jul-2018
14, 25.64, 44.6, 25, 738, 00 , 12:40:03, 01-Jul-2018
15, 27.47, 43.3, 27, 738, 00 , 12:55:03, 01-Jul-2018
16, 29.75, 42.3, 29, 738, 00 , 13:10:03, 01-Jul-2018
17, 29.12, 41.3, 30, 738, 00 , 13:25:03, 01-Jul-2018
18, 35.64, 40.8, 29, 738, 00 , 13:40:03, 01-Jul-2018
19, 27.46, 40.5, 30, 738, 00 , 13:55:03, 01-Jul-2018
20, 36.41, 40.3, 28, 738, 00 , 14:10:03, 01-Jul-2018
21, 27.74, 40.4, 28, 738, 00 , 14:25:03, 01-Jul-2018
22, 52.71, 40.1, 28, 738, 00 , 14:40:03, 01-Jul-2018
23, 26.56, 39.9, 27, 738, 00 , 14:55:03, 01-Jul-2018
24, 21.49, 39.9, 26, 738, 00 , 15:10:03, 01-Jul-2018

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2, 28.50, 31.8, 54, 742, 01 , 09:40:03, 01-Jul-2018
3, 25.93, 34.1, 49, 742, 01 , 09:55:03, 01-Jul-2018
4, 23.12, 35.6, 46, 742, 01 , 10:10:03, 01-Jul-2018
5, 37.04, 36.3, 44, 742, 01 , 10:25:03, 01-Jul-2018
6, 23.18, 36.6, 43, 742, 01 , 10:40:03, 01-Jul-2018
7, 22.22, 37.2, 42, 742, 01 , 10:55:03, 01-Jul-2018
8, 22.46, 37.9, 41, 742, 01 , 11:10:03, 01-Jul-2018
9, 22.27, 38.6, 40, 742, 01 , 11:25:03, 01-Jul-2018
10, 22.61, 39.5, 38, 742, 01 , 11:40:03, 01-Jul-2018
11, 22.93, 40.5, 34, 742, 01 , 11:55:03, 01-Jul-2018
12, 23.84, 40.9, 35, 742, 01 , 12:10:03, 01-Jul-2018
13, 22.91, 41.5, 34, 742, 01 , 12:25:03, 01-Jul-2018
14, 36.09, 41.2, 34, 742, 01 , 12:40:03, 01-Jul-2018
15, 22.79, 41.1, 35, 742, 01 , 12:55:03, 01-Jul-2018
16, 33.99, 41.3, 35, 742, 01 , 13:10:03, 01-Jul-2018
17, 24.99, 41.6, 33, 742, 01 , 13:25:03, 01-Jul-2018
18, 21.26, 41.7, 32, 742, 01 , 13:40:03, 01-Jul-2018
19, 19.66, 41.8, 31, 742, 01 , 13:55:03, 01-Jul-2018
20, 18.34, 42.3, 30, 742, 01 , 14:10:03, 01-Jul-2018
21, 18.49, 42.8, 28, 742, 01 , 14:25:03, 01-Jul-2018
22, 16.85, 42.6, 28, 742, 01 , 14:40:03, 01-Jul-2018
23, 26.35, 42.8, 26, 742, 01 , 14:55:03, 01-Jul-2018

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"Avg point ", 26.939070
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2, 21.05, 24.6, 80, 740, 00 , 09:35:11, 01-Jul-2018
3, 24.52, 25.9, 76, 740, 00 , 09:50:11, 01-Jul-2018
4, 22.54, 27.1, 74, 740, 00 , 10:05:11, 01-Jul-2018
5, 23.13, 28.3, 72, 740, 00 , 10:20:11, 01-Jul-2018
6, 23.44, 29.7, 69, 740, 00 , 10:35:11, 01-Jul-2018
7, 25.75, 31.3, 61, 740, 00 , 10:50:11, 01-Jul-2018
8, 26.39, 32.8, 57, 740, 00 , 11:05:11, 01-Jul-2018
9, 27.14, 34.2, 54, 740, 00 , 11:20:11, 01-Jul-2018
10, 29.84, 35.7, 44, 740, 00 , 11:35:11, 01-Jul-2018
11, 35.36, 36.8, 41, 740, 00 , 11:50:11, 01-Jul-2018
12, 31.71, 37.8, 38, 740, 00 , 12:05:11, 01-Jul-2018
13, 27.12, 38.8, 37, 740, 00 , 12:20:11, 01-Jul-2018
14, 27.62, 39.7, 37, 740, 00 , 12:35:11, 01-Jul-2018
15, 27.80, 40.7, 38, 740, 00 , 12:50:11, 01-Jul-2018
16, 31.31, 41.9, 35, 740, 00 , 13:05:11, 01-Jul-2018
17, 27.13, 42.8, 34, 740, 00 , 13:20:11, 01-Jul-2018
18, 28.01, 43.6, 29, 740, 00 , 13:35:11, 01-Jul-2018
19, 26.55, 44.1, 29, 740, 00 , 13:50:11, 01-Jul-2018
20, 26.03, 44.9, 26, 740, 00 , 14:05:11, 01-Jul-2018
21, 26.70, 45.2, 24, 740, 00 , 14:20:11, 01-Jul-2018
22, 27.95, 45.5, 25, 738, 00 , 14:35:11, 01-Jul-2018
23, 27.54, 45.9, 22, 738, 00 , 14:50:11, 01-Jul-2018
24, 26.04, 46.1, 21, 738, 00 , 15:05:11, 01-Jul-2018

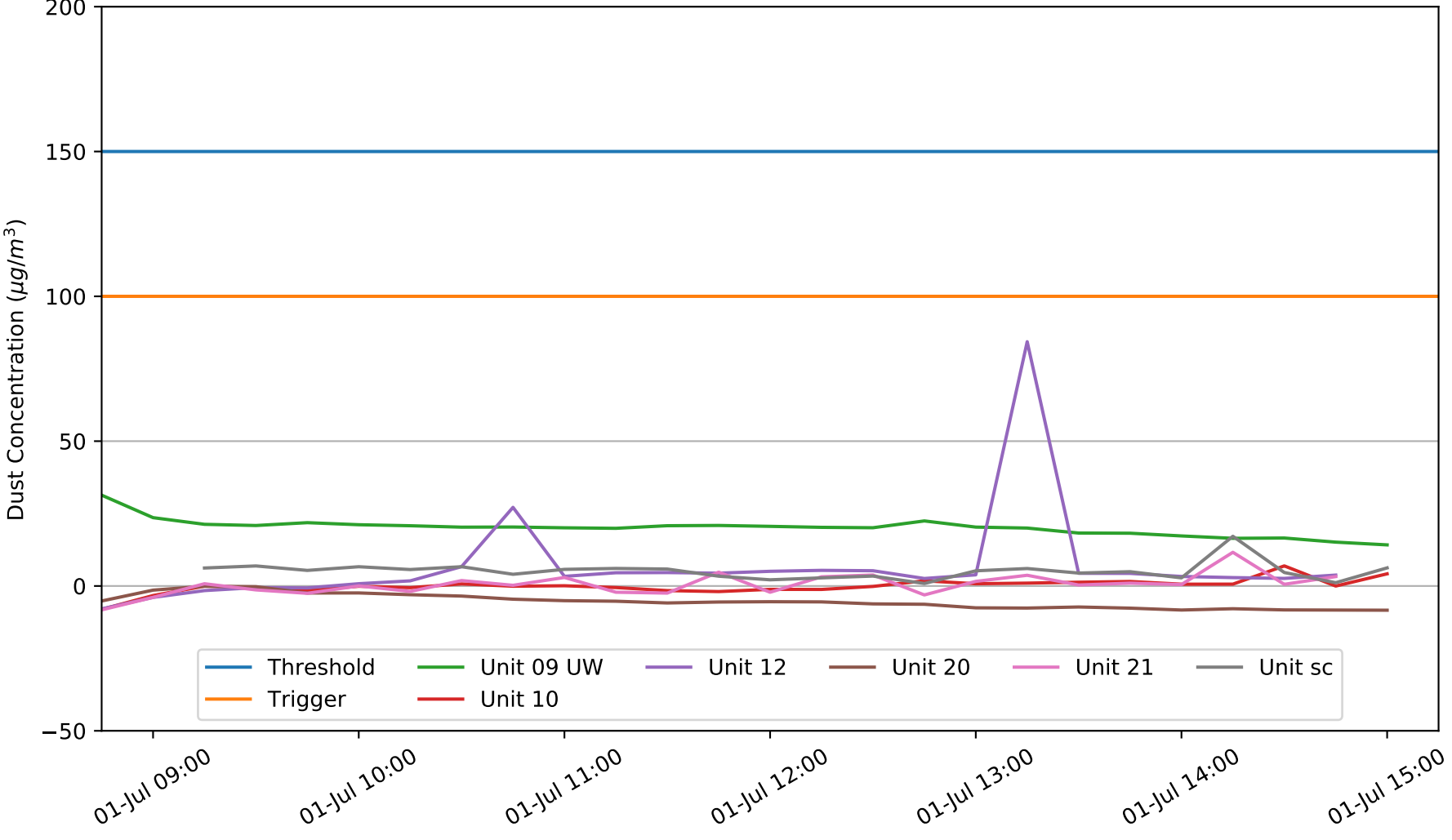
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2, 27.80, 25.3, 58, 742, 02 , 09:40:03, 01-Jul-2018
3, 27.24, 28.4, 50, 742, 02 , 09:55:03, 01-Jul-2018
4, 27.80, 30.6, 44, 742, 02 , 10:10:03, 01-Jul-2018
5, 26.48, 32.3, 41, 742, 02 , 10:25:03, 01-Jul-2018
6, 26.96, 33.5, 39, 742, 02 , 10:40:03, 01-Jul-2018
7, 24.40, 34.7, 35, 742, 02 , 10:55:03, 01-Jul-2018
8, 25.83, 35.3, 34, 742, 02 , 11:10:03, 01-Jul-2018
9, 25.97, 36.0, 33, 742, 02 , 11:25:03, 01-Jul-2018
10, 26.66, 37.0, 30, 742, 02 , 11:40:03, 01-Jul-2018
11, 24.28, 38.0, 28, 742, 02 , 11:55:03, 01-Jul-2018
12, 22.72, 38.9, 27, 742, 02 , 12:10:03, 01-Jul-2018
13, 23.05, 40.0, 26, 742, 02 , 12:25:03, 01-Jul-2018
14, 23.53, 39.8, 27, 742, 02 , 12:40:03, 01-Jul-2018
15, 23.32, 39.3, 28, 742, 02 , 12:55:03, 01-Jul-2018
16, 25.57, 39.4, 28, 742, 02 , 13:10:03, 01-Jul-2018
17, 26.03, 39.4, 27, 742, 02 , 13:25:03, 01-Jul-2018
18, 22.74, 39.5, 26, 742, 02 , 13:40:03, 01-Jul-2018
19, 23.16, 39.2, 26, 742, 02 , 13:55:03, 01-Jul-2018
20, 20.08, 39.2, 24, 742, 02 , 14:10:03, 01-Jul-2018
21, 33.62, 39.5, 24, 742, 02 , 14:25:03, 01-Jul-2018
22, 21.21, 39.1, 24, 742, 02 , 14:40:03, 01-Jul-2018
23, 16.27, 38.9, 22, 742, 02 , 14:55:03, 01-Jul-2018
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25, 15.75, 38.7, 22, 742, 02 , 15:25:03, 01-Jul-2018

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2, 23.60, 28.9, 62, 740, 00 , 09:40:03, 01-Jul-2018
3, 24.24, 32.5, 51, 740, 00 , 09:55:03, 01-Jul-2018
4, 24.15, 35.4, 44, 740, 00 , 10:10:03, 01-Jul-2018
5, 23.28, 37.4, 40, 740, 00 , 10:25:03, 01-Jul-2018
6, 22.96, 39.1, 36, 740, 00 , 10:40:03, 01-Jul-2018
7, 22.88, 40.6, 34, 742, 00 , 10:55:03, 01-Jul-2018
8, 22.91, 41.0, 33, 742, 00 , 11:10:03, 01-Jul-2018
9, 22.55, 42.3, 32, 742, 00 , 11:25:03, 01-Jul-2018
10, 23.32, 43.5, 29, 742, 00 , 11:40:03, 01-Jul-2018
11, 22.78, 43.8, 28, 742, 00 , 11:55:03, 01-Jul-2018
12, 23.03, 44.3, 27, 742, 00 , 12:10:03, 01-Jul-2018
13, 22.37, 44.5, 27, 742, 00 , 12:25:03, 01-Jul-2018
14, 22.69, 44.6, 28, 742, 00 , 12:40:03, 01-Jul-2018
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19, 22.03, 43.6, 28, 740, 00 , 13:55:03, 01-Jul-2018
20, 20.63, 44.2, 25, 740, 00 , 14:10:03, 01-Jul-2018
21, 20.07, 44.8, 25, 740, 00 , 14:25:03, 01-Jul-2018
22, 20.50, 44.6, 25, 740, 00 , 14:40:03, 01-Jul-2018
23, 18.38, 44.3, 23, 740, 00 , 14:55:03, 01-Jul-2018

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"Avg point ", 27.015634
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3, 22.18, 25.5, 82, 740, 00 , 09:55:03, 01-Jul-2018
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5, 23.64, 27.6, 76, 740, 00 , 10:25:03, 01-Jul-2018
6, 24.19, 28.4, 73, 740, 00 , 10:40:03, 01-Jul-2018
7, 25.54, 29.2, 69, 740, 00 , 10:55:03, 01-Jul-2018
8, 26.29, 29.8, 66, 740, 00 , 11:10:03, 01-Jul-2018
9, 27.09, 30.3, 65, 740, 00 , 11:25:03, 01-Jul-2018
10, 28.98, 30.9, 59, 740, 00 , 11:40:03, 01-Jul-2018
11, 28.75, 31.3, 57, 740, 00 , 11:55:03, 01-Jul-2018
12, 29.80, 31.7, 57, 740, 00 , 12:10:03, 01-Jul-2018
13, 28.45, 32.1, 57, 740, 00 , 12:25:03, 01-Jul-2018
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16, 28.84, 33.1, 56, 740, 00 , 13:10:03, 01-Jul-2018
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18, 28.08, 33.8, 51, 740, 00 , 13:40:03, 01-Jul-2018
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21, 25.03, 35.0, 44, 740, 00 , 14:25:03, 01-Jul-2018
22, 31.88, 35.3, 43, 740, 00 , 14:40:03, 01-Jul-2018
23, 26.31, 35.8, 40, 740, 00 , 14:55:03, 01-Jul-2018
24, 25.97, 36.3, 38, 740, 00 , 15:10:03, 01-Jul-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 01-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 01-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit sc	Unit 12	Unit 21	Unit 10	Unit 20	Unit 09 UW	Threshold	Trigger
2018-07-01 08:45:00		-7.92	-8.25	-8.07	-5.18	31.36	150	100
2018-07-01 09:00:00		-3.94	-3.94	-3.3	-1.43	23.59	150	100
2018-07-01 09:15:00	6.21	-1.59	0.78	-0.05	-0.09	21.29	150	100
2018-07-01 09:30:00	6.92	-0.55	-1.35	-0.51	-0.24	20.88	150	100
2018-07-01 09:45:00	5.38	-0.65	-2.53	-1.6	-2.43	21.86	150	100
2018-07-01 10:00:00	6.65	0.79	0.03	-0.09	-2.4	21.15	150	100
2018-07-01 10:15:00	5.68	1.77	-1.88	-0.58	-3.01	20.8	150	100
2018-07-01 10:30:00	6.65	6.68	1.87	0.72	-3.48	20.31	150	100
2018-07-01 10:45:00	4.04	27.15	0.24	-0.08	-4.56	20.36	150	100
2018-07-01 11:00:00	5.74	3.33	2.94	0.08	-5.07	20.09	150	100
2018-07-01 11:15:00	6.06	4.57	-2.15	-0.54	-5.26	19.91	150	100
2018-07-01 11:30:00	5.85	4.63	-2.46	-1.59	-5.86	20.81	150	100
2018-07-01 11:45:00	3.38	4.43	4.78	-1.93	-5.53	20.9	150	100
2018-07-01 12:00:00	2.13	5.07	-2.16	-1.16	-5.43	20.59	150	100
2018-07-01 12:15:00	2.8	5.4	3.17	-1.19	-5.49	20.25	150	100
2018-07-01 12:30:00	3.42	5.27	3.79	-0.15	-6.18	20.11	150	100
2018-07-01 12:45:00	0.86	2.59	-3.09	1.79	-6.31	22.46	150	100
2018-07-01 13:00:00	5.24	3.85	1.59	0.78	-7.54	20.33	150	100
2018-07-01 13:15:00	6.03	84.34	3.7	0.99	-7.62	20	150	100
2018-07-01 13:30:00	4.46	4.38	0.34	1.3	-7.25	18.28	150	100
2018-07-01 13:45:00	4.94	4.35	0.98	1.56	-7.65	18.22	150	100
2018-07-01 14:00:00	2.8	3.29	0.5	0.62	-8.3	17.28	150	100
2018-07-01 14:15:00	17.16	2.9	11.63	0.64	-7.85	16.46	150	100
2018-07-01 14:30:00	4.65	2.62	0.58	6.94	-8.26	16.56	150	100
2018-07-01 14:45:00	1.13	3.76	3.25	-0.02	-8.31	15.14	150	100
2018-07-01 15:00:00	6.25			4.2	-8.36	14.19	150	100
2018-07-01 15:15:00							150	100

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"Max STEL @ ", 14:33:03 01-Jul-2018
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"Errors   ", 0000
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19, 23.16, 39.2, 26, 742, 02 , 13:55:03, 01-Jul-2018
20, 20.08, 39.2, 24, 742, 02 , 14:10:03, 01-Jul-2018
21, 33.62, 39.5, 24, 742, 02 , 14:25:03, 01-Jul-2018
22, 21.21, 39.1, 24, 742, 02 , 14:40:03, 01-Jul-2018
23, 16.27, 38.9, 22, 742, 02 , 14:55:03, 01-Jul-2018
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5, 21.21, 23.4, 73, 742, 00 , 09:45:03, 01-Jul-2018
6, 21.94, 24.9, 68, 742, 00 , 10:00:03, 01-Jul-2018
7, 22.57, 27.3, 63, 742, 00 , 10:15:03, 01-Jul-2018
8, 26.99, 29.7, 56, 742, 00 , 10:30:03, 01-Jul-2018
9, 47.51, 31.5, 51, 742, 00 , 10:45:03, 01-Jul-2018
10, 23.42, 32.9, 48, 742, 00 , 11:00:03, 01-Jul-2018
11, 24.48, 33.4, 44, 742, 00 , 11:15:03, 01-Jul-2018
12, 25.44, 33.1, 44, 742, 00 , 11:30:03, 01-Jul-2018
13, 25.33, 33.2, 43, 742, 00 , 11:45:03, 01-Jul-2018
14, 25.66, 33.3, 43, 742, 00 , 12:00:03, 01-Jul-2018
15, 25.65, 33.9, 43, 742, 00 , 12:15:03, 01-Jul-2018
16, 25.38, 35.2, 42, 742, 00 , 12:30:03, 01-Jul-2018
17, 25.05, 36.2, 40, 742, 00 , 12:45:03, 01-Jul-2018
18, 24.18, 37.3, 38, 742, 00 , 13:00:03, 01-Jul-2018
19, 104.34, 38.1, 37, 742, 00 , 13:15:03, 01-Jul-2018
20, 22.66, 38.6, 34, 742, 00 , 13:30:03, 01-Jul-2018
21, 22.57, 39.1, 34, 742, 00 , 13:45:03, 01-Jul-2018
22, 20.57, 40.1, 31, 742, 00 , 14:00:03, 01-Jul-2018
23, 19.36, 40.4, 29, 742, 00 , 14:15:03, 01-Jul-2018
24, 19.18, 40.7, 30, 742, 00 , 14:30:03, 01-Jul-2018
25, 18.90, 41.4, 27, 742, 00 , 14:45:03, 01-Jul-2018

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4, 19.53, 31.8, 41, 742, 00 , 09:30:03, 01-Jul-2018
5, 19.33, 33.6, 38, 742, 00 , 09:45:03, 01-Jul-2018
6, 21.18, 35.5, 34, 742, 00 , 10:00:03, 01-Jul-2018
7, 18.92, 36.8, 32, 742, 00 , 10:15:03, 01-Jul-2018
8, 22.18, 37.8, 31, 740, 00 , 10:30:03, 01-Jul-2018
9, 20.60, 38.2, 30, 740, 00 , 10:45:03, 01-Jul-2018
10, 23.03, 38.8, 29, 740, 00 , 11:00:03, 01-Jul-2018
11, 17.76, 39.5, 27, 742, 00 , 11:15:03, 01-Jul-2018
12, 18.35, 39.9, 27, 740, 00 , 11:30:03, 01-Jul-2018
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17, 19.37, 42.7, 22, 740, 00 , 12:45:03, 01-Jul-2018
18, 21.92, 43.0, 22, 740, 00 , 13:00:03, 01-Jul-2018
19, 23.70, 43.7, 21, 740, 00 , 13:15:03, 01-Jul-2018
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21, 19.20, 44.1, 19, 740, 00 , 13:45:03, 01-Jul-2018
22, 17.78, 43.9, 18, 740, 00 , 14:00:03, 01-Jul-2018
23, 28.09, 44.5, 17, 740, 00 , 14:15:03, 01-Jul-2018
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"ALARM   ", "INSTANT "
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4, 20.37, 34.8, 42, 740, 00 , 09:30:03, 01-Jul-2018
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10, 20.17, 40.2, 32, 740, 00 , 11:00:03, 01-Jul-2018
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12, 19.22, 41.6, 29, 740, 00 , 11:30:03, 01-Jul-2018
13, 18.97, 43.1, 27, 740, 00 , 11:45:03, 01-Jul-2018
14, 19.43, 43.8, 26, 740, 00 , 12:00:03, 01-Jul-2018
15, 19.06, 44.1, 25, 740, 00 , 12:15:03, 01-Jul-2018
16, 19.96, 43.3, 27, 740, 00 , 12:30:03, 01-Jul-2018
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18, 21.11, 40.6, 31, 740, 00 , 13:00:03, 01-Jul-2018
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2, 22.16, 21.3, 72, 742, 00 , 09:00:03, 01-Jul-2018
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4, 20.64, 23.6, 67, 742, 00 , 09:30:03, 01-Jul-2018
5, 19.43, 25.1, 64, 742, 00 , 09:45:03, 01-Jul-2018
6, 18.75, 27.8, 57, 742, 00 , 10:00:03, 01-Jul-2018
7, 17.79, 30.3, 50, 740, 00 , 10:15:03, 01-Jul-2018
8, 16.83, 32.3, 45, 740, 00 , 10:30:03, 01-Jul-2018
9, 15.80, 33.8, 40, 740, 00 , 10:45:03, 01-Jul-2018
10, 15.02, 35.1, 37, 740, 00 , 11:00:03, 01-Jul-2018
11, 14.65, 36.0, 33, 742, 00 , 11:15:03, 01-Jul-2018
12, 14.95, 36.0, 31, 740, 00 , 11:30:03, 01-Jul-2018
13, 15.37, 35.8, 31, 740, 00 , 11:45:03, 01-Jul-2018
14, 15.16, 36.0, 31, 740, 00 , 12:00:03, 01-Jul-2018
15, 14.76, 36.6, 32, 740, 00 , 12:15:03, 01-Jul-2018
16, 13.93, 38.2, 30, 740, 00 , 12:30:03, 01-Jul-2018
17, 16.15, 39.7, 29, 740, 00 , 12:45:03, 01-Jul-2018
18, 12.79, 41.4, 25, 740, 00 , 13:00:03, 01-Jul-2018
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20, 11.03, 43.1, 21, 740, 00 , 13:30:03, 01-Jul-2018
21, 10.57, 44.3, 19, 740, 00 , 13:45:03, 01-Jul-2018
22, 8.98, 45.5, 16, 740, 00 , 14:00:03, 01-Jul-2018
23, 8.61, 45.9, 15, 740, 00 , 14:15:03, 01-Jul-2018
24, 8.30, 46.2, 15, 740, 00 , 14:30:03, 01-Jul-2018
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"Max STEL   ", 31.356986
"Max STEL @ ", 08:45:03 01-Jul-2018
"Avg point ", 20.122850
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"FlowRate   ", 1.200000
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4, 20.88, 29.7, 62, 740, 00 , 09:30:03, 01-Jul-2018
5, 21.86, 31.3, 57, 740, 00 , 09:45:03, 01-Jul-2018
6, 21.15, 32.6, 55, 740, 00 , 10:00:03, 01-Jul-2018
7, 20.80, 34.0, 53, 740, 00 , 10:15:03, 01-Jul-2018
8, 20.31, 35.9, 51, 740, 00 , 10:30:03, 01-Jul-2018
9, 20.36, 37.0, 48, 740, 00 , 10:45:03, 01-Jul-2018
10, 20.09, 37.6, 47, 740, 00 , 11:00:03, 01-Jul-2018
11, 19.91, 38.2, 45, 740, 00 , 11:15:03, 01-Jul-2018
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DAILY OBSERVATION REPORT

Report No.:	24	Project File:	MN0832D	Date:	7/2/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — *an affiliate of Geosyntec Consultants*

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: James Burnett

Site Representative: Matt Schallinger

Arrive at Site: 0645hrs. Leave Site: 1800 hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Partly Cloudy	am	Increasing clouds	pm
Temperature:	70° F	am	96° F	pm
Wind Direction:	0 S	am	9 WSW	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☒	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 24 Project File: MN0832D Date: 7/2/2018

Materials Imported and Removed from Work Areas

Soil Removal:

Total Loads today: 8 Total Loads to date: 50

Weight: 200 tons Total Weight to date: ~1142 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date:11

Weight: 0 Tons Total Weight to date: 213 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date:5

Weight: 0Tons Total Weight to date: 132 Tons

Imported Common Fill:

Total Loads today: 25 Total Loads to date: 91

Weight: 513 Tons Total Weight to date: 1931 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0645. Attended Recon safety meeting. Aron Krasnopoler, Matthew Schallinger, Jay Thompson, Karl Wuolo Younger and Jim Burnett were on site. Held safety tailgate meeting for Geosyntec. Reviewed heat stress, stop work authority, and potential for afternoon storms.
- Held teleconference meeting with Unisys, Geosyntec and Recon. Discussed sheet piling issues, concrete obstructions, gas line and plans for future excavation. Formal plans are being worked out for submittal to DEC.
- Tim Schneider and Scott Williams of DEC onsite for site walk through. AK and TS discuss the plan for moving the excavation along. TS requested the need to survey the extent and boundaries of TSCA excavations and who is going to decide the excavation bench plan. TS also requested a letter amendment for construction modifications approved by email on 29 June 2018.
- Imported clean back fill arrives onsite.

Report No.:	24	Project File:	MN0832D	Date:	7/2/2018

- JT and KWJ organized and started collecting samples with the drill rig. Samples were collected throughout the day. Collected samples were placed on ice.
- 2 sheet piles were attempted to be driven in the NW corner of the RPL near K-Wing. Refusals were encountered around 10' bgs.
- MS meet with Mike Dunn and Dom Insogna of EHSS on roof of K-wing. They approved of the implemented rain control measures.
- 8 TSCA trucks were loaded and shipped offsite today. Trucks were washed with water on the decon pad before leaving the site.
- JB observed loading of trucks and issued manifests.

PM

- Recon broke for lunch between 1200 and 1245
- Recon sprayed water along the haul road several times and twice in MSA during the day.
- TSCA excavation occurred in phase 3 in the 4-6' ft intervals. This material was moved to the accumulation area for loading of tomorrows trucks.
- Recon mobilized the crane further south on the western edge of the RPL sheet pile line. The plan is to use sheet pile to investigate the depths at which piles can be driven in that area. Refusals were encountered at 50% of the attmepts.
- Hannah Zafor of Geosyntec onsite. MS provides orientation and task over view.
- Drillers left site at 1400. Delineation samples were packed and prepared to be shipped.
- No dust exceedances in the RPL were recorded today.
- Wind and Clouds increase around 1500. Storms are forecasted.

Report No.: 24 Project File: MN0832D Date: 7/2/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Brian Kilkenny
- Addison Hofferth
- Brian Balog
- Rich Tonnucour
- (Recon labor) X18
- Crane operator (Recon subcontractors)

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- 8x40 Office Trailer
- Portable Toilets
- Hand Wash Stations
- ST-197 Dodge Ram Work Truck
- 8x20 Storage Box
- Trimble GPS System (Base, Rover, Data Collector)
- 8x20 Office Trailer
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 Containments
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Vibratory Hammer
- Roller
- Site F250
- Sheet piling crane.

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Tim Schneider	DEC	Yes
Scott Williams	DEC	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Substantial Completion Date: NA
Completion Date: NA

DAILY OBSERVATION REPORT

Report No.:	24	Project File:	MN0832D	Date:	7/2/2018

ITEMS OF CONCERN:

Elevated reading of dust occurred in the MSA today. The first occurred around 0900 was above the threshold level. The second was above the trigger level. Both readings were brief and not sustained. Recon was briefed on these exceedances and instructed to utilize the water truck in the MSA more frequently.

A non-TSCA dump truck was observed driving over a composite mat covered with poly located between a TSCA excavation and the TSCA accumulation area during transfer of excavated TSCA soil to the TSCA accumulation area. During transfer, the poly-covered composite mat was designated as TSCA. BA of Recon was informed and immediately addressed the issue with his operators. Recon will review procedures for transit of non-TSCA vehicles over TSCA areas with their staff.

Site Representative: M. Schallinger

Date: 7/2/2018

Name: (*signature*)



:

Report No.:	24	Project File:	MN0832D	Date:	7/2/2018

Photo Log

Date : 7/02/2018



Covered up reuse pile in the MSA



Plastic diaper being applied during TSCA loading process.



Current excavation in phase one.



Visual of concrete obstruction and southern extent.

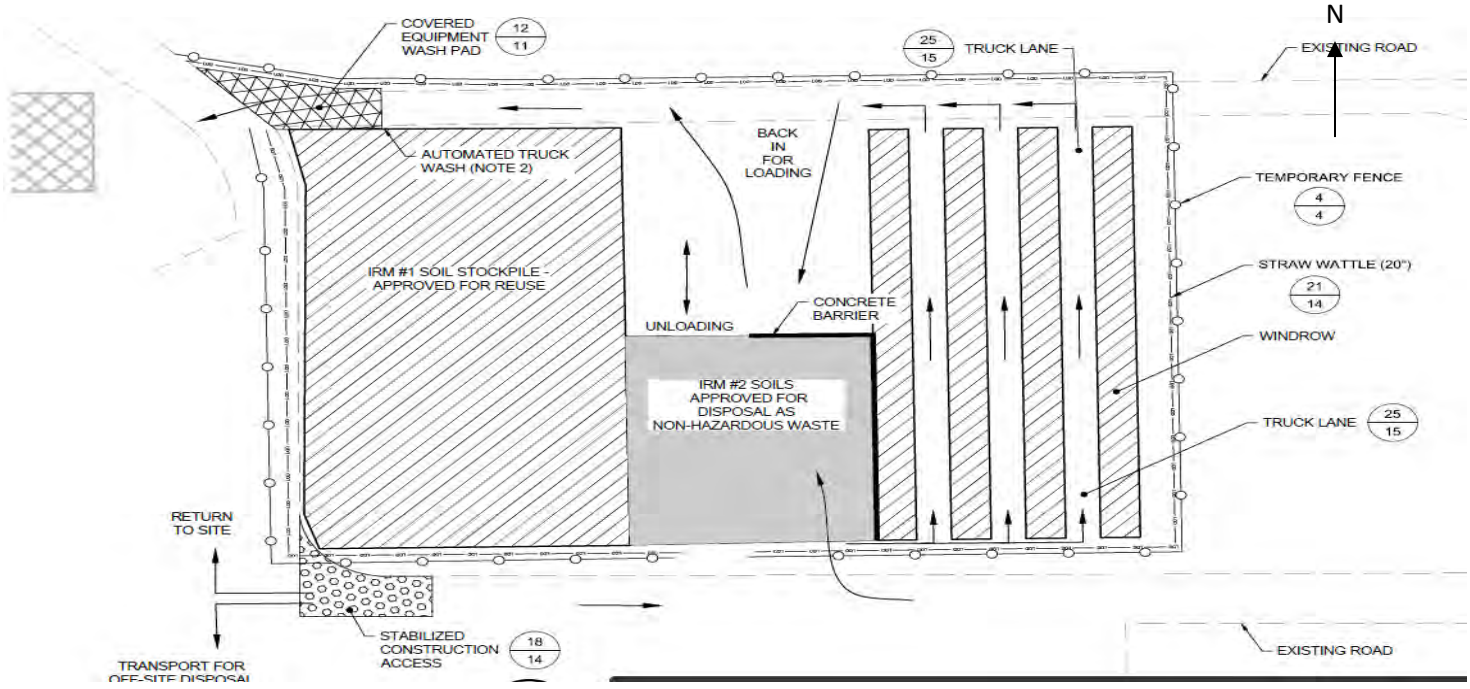
Report No.:	24	Project File:	MN0832D	Date:	7/2/2018

Site Map

Rear Parking Lot

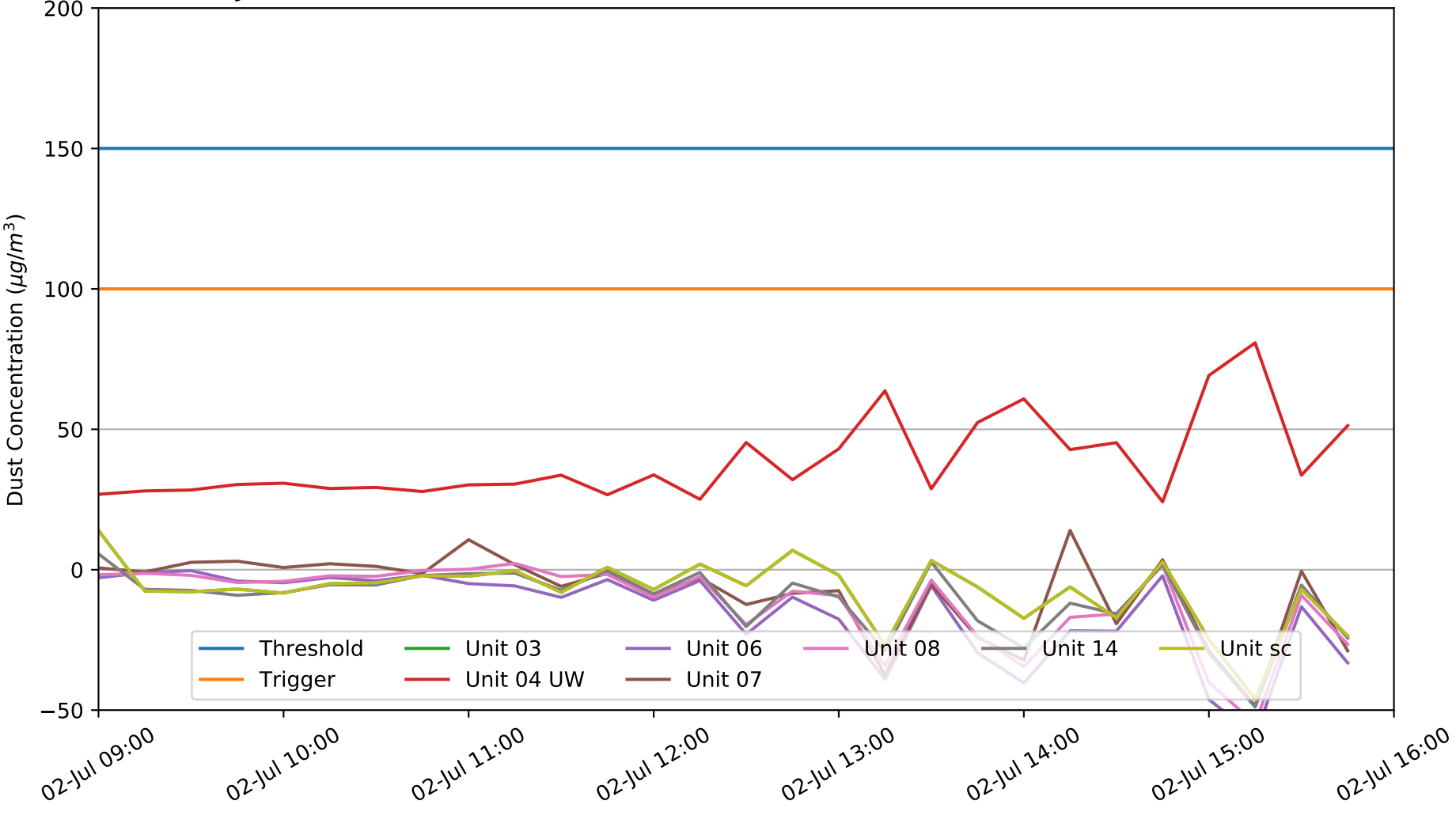


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 02-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 02-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 06	Unit 14	Unit 08	Unit 04 UW	Unit sc	Unit 07	Unit 03	Threshold	Trigger
2018-07-02 09:00:00	-2.85	5.64	-1.8	26.86	13.95	0.65	13.95	150	100
2018-07-02 09:15:00	-1.04	-7	-1.27	28.06	-7.58	-0.79	-7.58	150	100
2018-07-02 09:30:00	-0.33	-7.36	-2	28.38	-7.85	2.63	-7.85	150	100
2018-07-02 09:45:00	-4.05	-9.1	-4.58	30.35	-6.91	3.03	-6.91	150	100
2018-07-02 10:00:00	-4.64	-8.14	-4.13	30.81	-8.32	0.77	-8.32	150	100
2018-07-02 10:15:00	-2.8	-5.35	-2.18	28.92	-4.97	2.13	-4.97	150	100
2018-07-02 10:30:00	-3.9	-5.41	-2.34	29.3	-4.64	1.19	-4.64	150	100
2018-07-02 10:45:00	-1.97	-2.06	-0.29	27.84	-2.15	-1.39	-2.15	150	100
2018-07-02 11:00:00	-4.95	-1.4	0.17	30.22	-2.3	10.68	-2.3	150	100
2018-07-02 11:15:00	-5.77	-1.2	2.25	30.49	-0.36	1.79	-0.36	150	100
2018-07-02 11:30:00	-9.86	-7.28	-2.44	33.68	-8.07	-5.94	-8.07	150	100
2018-07-02 11:45:00	-3.5	-0.34	-1.68	26.7	0.87	-1.24	0.87	150	100
2018-07-02 12:00:00	-10.9	-8.6	-9.78	33.78	-7.06	-8.93	-7.06	150	100
2018-07-02 12:15:00	-3.87	-0.99	-2.43	25.07	2	-2.89	2	150	100
2018-07-02 12:30:00	-22.98	-20.24	-19.54	45.29	-5.71	-12.39	-5.71	150	100
2018-07-02 12:45:00	-9.76	-4.76	-7.63	32.05	6.91	-8.4	6.91	150	100
2018-07-02 13:00:00	-17.6	-9.68	-9.23	43.02	-1.96	-7.47	-1.96	150	100
2018-07-02 13:15:00	-39.03	-28.99	-34.31	63.71	-26.92	-37.54	-26.92	150	100
2018-07-02 13:30:00	-5.71	2.76	-3.67	28.83	3.29	-5.1	3.29	150	100
2018-07-02 13:45:00	-29.58	-18.18	-23.66	52.41	-6.14	-24.12	-6.14	150	100
2018-07-02 14:00:00	-40.31	-27.84	-34.54	60.83	-17.32	-32.23	-17.32	150	100
2018-07-02 14:15:00	-21.75	-11.9	-16.95	42.77	-6.15	14	-6.15	150	100
2018-07-02 14:30:00	-21.89	-15.71	-15.79	45.25	-17.15	-19.24	-17.15	150	100
2018-07-02 14:45:00	-2.15	1.9	1.62	24.16	2.84	3.55	2.84	150	100
2018-07-02 15:00:00	-46.18	-29.69	-40.17	69.17	-24.79	-28.92	-24.79	150	100
2018-07-02 15:15:00	-59.29	-48.9	-54.82	80.79	-46.01	-48.48	-46.01	150	100
2018-07-02 15:30:00	-13.16	-5.46	-9.08	33.66	-6.91	-0.52	-6.91	150	100
2018-07-02 15:45:00	-33.17	-24.31	-26.57	51.31	-23.55	-28.89	-23.55	150	100
2018-07-02 16:00:00								150	100

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3, 28.05, 29.7, 47, 742, 02 , 09:30:03, 02-Jul-2018
4, 26.30, 31.7, 42, 742, 02 , 09:45:03, 02-Jul-2018
5, 26.17, 32.7, 41, 742, 02 , 10:00:03, 02-Jul-2018
6, 26.12, 33.5, 40, 742, 02 , 10:15:03, 02-Jul-2018
7, 25.40, 34.3, 39, 742, 02 , 10:30:03, 02-Jul-2018
8, 25.87, 35.2, 37, 742, 02 , 10:45:03, 02-Jul-2018
9, 25.27, 36.1, 35, 742, 02 , 11:00:03, 02-Jul-2018
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12, 23.20, 38.0, 32, 742, 02 , 11:45:03, 02-Jul-2018
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14, 21.20, 39.7, 28, 742, 02 , 12:15:03, 02-Jul-2018
15, 22.31, 40.1, 26, 742, 02 , 12:30:03, 02-Jul-2018
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18, 24.68, 41.3, 23, 742, 02 , 13:15:03, 02-Jul-2018
19, 23.12, 41.3, 23, 742, 02 , 13:30:03, 02-Jul-2018
20, 22.83, 41.5, 23, 742, 02 , 13:45:03, 02-Jul-2018
21, 20.52, 42.1, 21, 742, 02 , 14:00:03, 02-Jul-2018
22, 21.02, 41.5, 22, 742, 02 , 14:15:03, 02-Jul-2018
23, 23.36, 40.3, 24, 740, 02 , 14:30:03, 02-Jul-2018
24, 22.01, 39.3, 25, 740, 02 , 14:45:03, 02-Jul-2018
25, 22.99, 38.0, 26, 740, 02 , 15:00:03, 02-Jul-2018
26, 21.50, 38.4, 26, 740, 02 , 15:15:03, 02-Jul-2018
27, 20.50, 39.3, 25, 740, 02 , 15:30:03, 02-Jul-2018
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29, 21.04, 40.1, 24, 740, 02 , 16:00:03, 02-Jul-2018

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4, 21.25, 26.0, 78, 740, 00 , 09:45:03, 02-Jul-2018
5, 22.67, 27.1, 75, 740, 00 , 10:00:03, 02-Jul-2018
6, 23.57, 28.3, 73, 740, 00 , 10:15:03, 02-Jul-2018
7, 23.89, 29.6, 69, 740, 00 , 10:30:03, 02-Jul-2018
8, 25.78, 31.2, 65, 740, 00 , 10:45:03, 02-Jul-2018
9, 28.82, 32.9, 57, 740, 00 , 11:00:03, 02-Jul-2018
10, 29.29, 34.5, 53, 740, 00 , 11:15:03, 02-Jul-2018
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13, 25.18, 39.4, 41, 740, 00 , 12:00:03, 02-Jul-2018
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19, 31.59, 41.8, 28, 738, 00 , 13:30:03, 02-Jul-2018
20, 34.23, 42.4, 28, 738, 00 , 13:45:03, 02-Jul-2018
21, 32.99, 42.9, 26, 738, 00 , 14:00:03, 02-Jul-2018
22, 30.87, 43.1, 26, 738, 00 , 14:15:03, 02-Jul-2018
23, 29.54, 42.9, 26, 738, 00 , 14:30:03, 02-Jul-2018
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25, 39.48, 42.1, 27, 738, 00 , 15:00:03, 02-Jul-2018
26, 31.89, 42.8, 26, 738, 00 , 15:15:03, 02-Jul-2018
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28, 27.00, 45.2, 23, 738, 00 , 15:45:03, 02-Jul-2018

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4, 25.77, 29.3, 60, 738, 00 , 09:45:03, 02-Jul-2018
5, 26.68, 30.5, 57, 738, 00 , 10:00:03, 02-Jul-2018
6, 26.74, 31.6, 55, 738, 00 , 10:15:03, 02-Jul-2018
7, 26.96, 32.5, 53, 738, 00 , 10:30:03, 02-Jul-2018
8, 27.55, 33.5, 50, 738, 00 , 10:45:03, 02-Jul-2018
9, 30.39, 34.4, 48, 738, 00 , 11:00:03, 02-Jul-2018
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11, 31.24, 36.2, 43, 738, 00 , 11:30:03, 02-Jul-2018
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13, 24.00, 38.1, 40, 738, 00 , 12:00:03, 02-Jul-2018
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21, 26.29, 43.5, 24, 738, 00 , 14:00:03, 02-Jul-2018
22, 25.82, 44.4, 23, 738, 00 , 14:15:03, 02-Jul-2018
23, 29.46, 44.7, 22, 738, 00 , 14:30:03, 02-Jul-2018
24, 25.78, 45.4, 21, 738, 00 , 14:45:03, 02-Jul-2018
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26, 25.97, 45.7, 21, 738, 00 , 15:15:03, 02-Jul-2018
27, 24.58, 47.8, 18, 738, 00 , 15:30:03, 02-Jul-2018
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29, 25.86, 50.5, 16, 736, 00 , 16:00:03, 02-Jul-2018

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6, 28.92, 37.6, 42, 742, 01 , 10:15:03, 02-Jul-2018
7, 29.30, 38.2, 42, 742, 01 , 10:30:03, 02-Jul-2018
8, 27.84, 39.0, 40, 742, 01 , 10:45:03, 02-Jul-2018
9, 30.22, 39.8, 39, 742, 01 , 11:00:03, 02-Jul-2018
10, 30.49, 40.7, 37, 742, 01 , 11:15:03, 02-Jul-2018
11, 33.68, 41.4, 36, 742, 01 , 11:30:03, 02-Jul-2018
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15, 45.29, 43.9, 25, 742, 01 , 12:30:03, 02-Jul-2018
16, 32.05, 43.7, 25, 742, 01 , 12:45:03, 02-Jul-2018
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20, 52.41, 43.8, 25, 742, 01 , 13:45:03, 02-Jul-2018
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23, 45.25, 43.8, 25, 742, 01 , 14:30:03, 02-Jul-2018
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28, 51.31, 44.5, 24, 740, 01 , 15:45:03, 02-Jul-2018

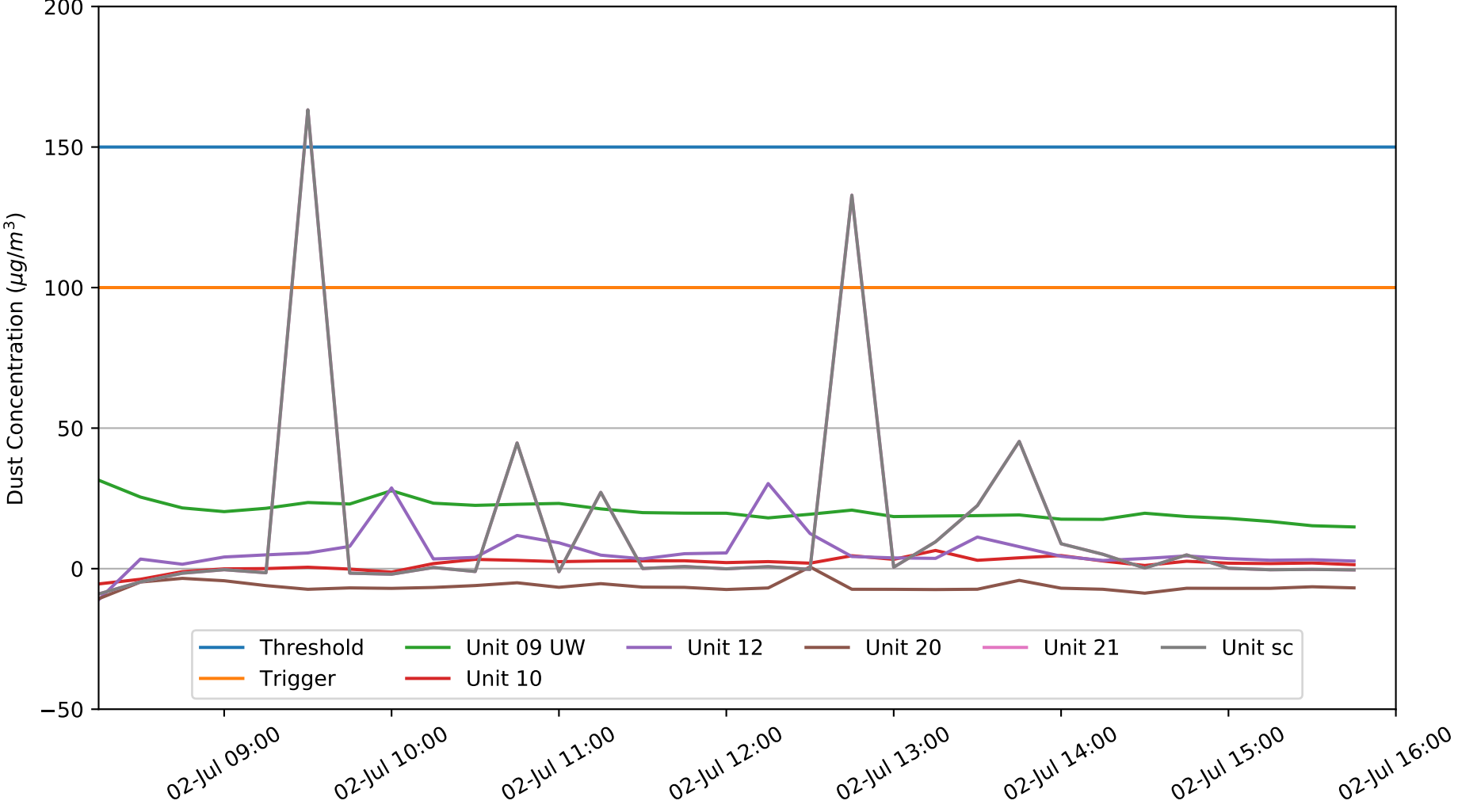
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8, 26.45, 41.1, 35, 742, 00 , 10:45:03, 02-Jul-2018
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19, 23.73, 42.7, 28, 740, 00 , 13:30:03, 02-Jul-2018
20, 28.29, 42.7, 28, 740, 00 , 13:45:03, 02-Jul-2018
21, 28.60, 43.1, 26, 740, 00 , 14:00:03, 02-Jul-2018
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"Max STEL @ ", 13:48:53 02-Jul-2018
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"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 40.81, 21.1, 92, 740, 03 , 09:00:03, 02-Jul-2018
2, 20.48, 23.1, 90, 740, 01 , 09:15:03, 02-Jul-2018
3, 20.53, 24.7, 85, 740, 00 , 09:30:03, 02-Jul-2018
4, 23.44, 26.0, 81, 740, 00 , 09:45:03, 02-Jul-2018
5, 22.49, 27.3, 78, 740, 00 , 10:00:03, 02-Jul-2018
6, 23.95, 28.4, 75, 740, 00 , 10:15:03, 02-Jul-2018
7, 24.66, 29.4, 72, 740, 00 , 10:30:03, 02-Jul-2018
8, 25.69, 30.3, 69, 740, 00 , 10:45:03, 02-Jul-2018
9, 27.92, 31.0, 66, 740, 00 , 11:00:03, 02-Jul-2018
10, 30.13, 31.6, 64, 740, 00 , 11:15:03, 02-Jul-2018
11, 25.61, 32.3, 61, 740, 00 , 11:30:03, 02-Jul-2018
12, 27.57, 32.9, 60, 740, 00 , 11:45:03, 02-Jul-2018
13, 26.72, 33.5, 58, 740, 00 , 12:00:03, 02-Jul-2018
14, 27.07, 34.0, 51, 740, 00 , 12:15:03, 02-Jul-2018
15, 39.58, 34.5, 48, 740, 00 , 12:30:03, 02-Jul-2018
16, 38.96, 34.9, 46, 740, 00 , 12:45:03, 02-Jul-2018
17, 41.06, 35.5, 45, 740, 00 , 13:00:03, 02-Jul-2018
18, 36.79, 35.9, 41, 740, 00 , 13:15:03, 02-Jul-2018
19, 32.12, 36.3, 42, 740, 00 , 13:30:03, 02-Jul-2018
20, 46.27, 37.0, 40, 740, 00 , 13:45:03, 02-Jul-2018
21, 43.51, 38.3, 37, 740, 00 , 14:00:03, 02-Jul-2018
22, 36.62, 39.0, 35, 740, 00 , 14:15:03, 02-Jul-2018
23, 28.10, 38.7, 35, 740, 00 , 14:30:03, 02-Jul-2018
24, 27.00, 38.5, 36, 740, 00 , 14:45:03, 02-Jul-2018
25, 44.38, 38.2, 36, 740, 00 , 15:00:03, 02-Jul-2018
26, 34.78, 38.3, 36, 740, 00 , 15:15:03, 02-Jul-2018
27, 26.75, 38.9, 34, 738, 00 , 15:30:03, 02-Jul-2018
28, 27.76, 39.4, 33, 738, 00 , 15:45:03, 02-Jul-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 02-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 02-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit sc	Unit 21	Unit 20	Unit 12	Unit 09 UW	Unit 10	Threshold	Trigger
2018-07-02 08:15:00	-9.01	-9.01	-10.71	-11.06	31.48	-5.43	150	100
2018-07-02 08:30:00	-4.71	-4.71	-4.76	3.42	25.47	-3.77	150	100
2018-07-02 08:45:00	-1.62	-1.62	-3.45	1.57	21.61	-1.07	150	100
2018-07-02 09:00:00	-0.37	-0.37	-4.3	4.15	20.29	-0.07	150	100
2018-07-02 09:15:00	-1.46	-1.46	-6.03	4.91	21.48	0.03	150	100
2018-07-02 09:30:00	163.25	163.25	-7.34	5.58	23.53	0.51	150	100
2018-07-02 09:45:00	-1.6	-1.6	-6.84	7.92	23	-0.15	150	100
2018-07-02 10:00:00	-1.97	-1.97	-7.01	28.73	27.74	-1.22	150	100
2018-07-02 10:15:00	0.42	0.42	-6.68	3.45	23.29	1.81	150	100
2018-07-02 10:30:00	-1.02	-1.02	-6.01	4.01	22.52	3.3	150	100
2018-07-02 10:45:00	44.73	44.73	-5.02	11.82	22.91	2.96	150	100
2018-07-02 11:00:00	-1.09	-1.09	-6.63	9.2	23.21	2.49	150	100
2018-07-02 11:15:00	27.15	27.15	-5.33	4.81	21.27	2.74	150	100
2018-07-02 11:30:00	0.05	0.05	-6.56	3.49	19.94	2.79	150	100
2018-07-02 11:45:00	0.76	0.76	-6.65	5.32	19.75	2.81	150	100
2018-07-02 12:00:00	-0.06	-0.06	-7.41	5.59	19.72	2.15	150	100
2018-07-02 12:15:00	0.72	0.72	-6.87	30.29	18.06	2.51	150	100
2018-07-02 12:30:00	-0.27	-0.27	0.62	12.51	19.36	1.95	150	100
2018-07-02 12:45:00	132.87	132.87	-7.33	4.32	20.83	4.6	150	100
2018-07-02 13:00:00	0.51	0.51	-7.35	3.83	18.53	3.31	150	100
2018-07-02 13:15:00	9.56	9.56	-7.43	3.66	18.72	6.48	150	100
2018-07-02 13:30:00	22.45	22.45	-7.32	11.25	18.87	2.98	150	100
2018-07-02 13:45:00	45.28	45.28	-4.16	7.82	19.11	3.86	150	100
2018-07-02 14:00:00	8.86	8.86	-6.95	4.41	17.6	4.66	150	100
2018-07-02 14:15:00	5.11	5.11	-7.33	2.92	17.53	2.72	150	100
2018-07-02 14:30:00	0.21	0.21	-8.72	3.62	19.72	1.13	150	100
2018-07-02 14:45:00	4.9	4.9	-6.97	4.54	18.54	2.64	150	100
2018-07-02 15:00:00	0.14	0.14	-7	3.57	17.89	1.95	150	100
2018-07-02 15:15:00	-0.39	-0.39	-7	3.01	16.79	1.81	150	100
2018-07-02 15:30:00	-0.26	-0.26	-6.44	3.19	15.27	2.02	150	100
2018-07-02 15:45:00	-0.45	-0.45	-6.84	2.71	14.84	1.41	150	100
2018-07-02 16:00:00							150	100

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"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 1946.683121
"Max Disp @ ", 09:26:59 02-Jul-2018
"Max STEL   ", 186.966209
"Max STEL @ ", 09:35:03 02-Jul-2018
"Avg point ", 34.889286
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
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"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
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3, 19.99, 22.3, 74, 740, 00 , 08:45:03, 02-Jul-2018
4, 19.92, 23.0, 71, 740, 00 , 09:00:03, 02-Jul-2018
5, 20.02, 23.9, 70, 740, 00 , 09:15:03, 02-Jul-2018
6, 186.78, 24.7, 68, 740, 00 , 09:30:03, 02-Jul-2018
7, 21.40, 25.6, 68, 740, 00 , 09:45:03, 02-Jul-2018
8, 25.77, 26.4, 66, 740, 00 , 10:00:03, 02-Jul-2018
9, 23.71, 27.3, 64, 740, 00 , 10:15:03, 02-Jul-2018
10, 21.50, 28.1, 62, 740, 00 , 10:30:03, 02-Jul-2018
11, 67.64, 29.3, 58, 740, 00 , 10:45:03, 02-Jul-2018
12, 22.12, 30.4, 56, 740, 00 , 11:00:03, 02-Jul-2018
13, 48.42, 31.2, 53, 740, 00 , 11:15:03, 02-Jul-2018
14, 19.99, 31.9, 51, 740, 00 , 11:30:03, 02-Jul-2018
15, 20.51, 32.6, 48, 740, 00 , 11:45:03, 02-Jul-2018
16, 19.66, 33.2, 46, 740, 00 , 12:00:03, 02-Jul-2018
17, 18.78, 33.9, 40, 740, 00 , 12:15:03, 02-Jul-2018
18, 19.09, 34.4, 38, 740, 00 , 12:30:03, 02-Jul-2018
19, 153.70, 34.9, 36, 740, 00 , 12:45:03, 02-Jul-2018
20, 19.04, 35.3, 34, 740, 00 , 13:00:03, 02-Jul-2018
21, 28.28, 35.9, 32, 740, 00 , 13:15:03, 02-Jul-2018
22, 41.32, 36.4, 31, 740, 00 , 13:30:03, 02-Jul-2018
23, 64.39, 37.0, 30, 740, 00 , 13:45:03, 02-Jul-2018
24, 26.46, 37.4, 29, 740, 00 , 14:00:03, 02-Jul-2018
25, 22.64, 37.3, 28, 740, 00 , 14:15:03, 02-Jul-2018
26, 19.93, 37.5, 30, 740, 00 , 14:30:03, 02-Jul-2018
27, 23.44, 38.1, 29, 740, 00 , 14:45:03, 02-Jul-2018
28, 18.03, 37.9, 29, 740, 00 , 15:00:03, 02-Jul-2018
29, 16.40, 38.2, 27, 740, 00 , 15:15:03, 02-Jul-2018
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31, 14.39, 39.5, 23, 738, 00 , 15:45:03, 02-Jul-2018

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"Max STEL @ ", 09:35:03 02-Jul-2018
"Avg point ", 34.889286
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
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"FlowRate   ", 1.200000
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2, 20.76, 21.3, 77, 740, 00 , 08:30:03, 02-Jul-2018
3, 19.99, 22.3, 74, 740, 00 , 08:45:03, 02-Jul-2018
4, 19.92, 23.0, 71, 740, 00 , 09:00:03, 02-Jul-2018
5, 20.02, 23.9, 70, 740, 00 , 09:15:03, 02-Jul-2018
6, 186.78, 24.7, 68, 740, 00 , 09:30:03, 02-Jul-2018
7, 21.40, 25.6, 68, 740, 00 , 09:45:03, 02-Jul-2018
8, 25.77, 26.4, 66, 740, 00 , 10:00:03, 02-Jul-2018
9, 23.71, 27.3, 64, 740, 00 , 10:15:03, 02-Jul-2018
10, 21.50, 28.1, 62, 740, 00 , 10:30:03, 02-Jul-2018
11, 67.64, 29.3, 58, 740, 00 , 10:45:03, 02-Jul-2018
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13, 48.42, 31.2, 53, 740, 00 , 11:15:03, 02-Jul-2018
14, 19.99, 31.9, 51, 740, 00 , 11:30:03, 02-Jul-2018
15, 20.51, 32.6, 48, 740, 00 , 11:45:03, 02-Jul-2018
16, 19.66, 33.2, 46, 740, 00 , 12:00:03, 02-Jul-2018
17, 18.78, 33.9, 40, 740, 00 , 12:15:03, 02-Jul-2018
18, 19.09, 34.4, 38, 740, 00 , 12:30:03, 02-Jul-2018
19, 153.70, 34.9, 36, 740, 00 , 12:45:03, 02-Jul-2018
20, 19.04, 35.3, 34, 740, 00 , 13:00:03, 02-Jul-2018
21, 28.28, 35.9, 32, 740, 00 , 13:15:03, 02-Jul-2018
22, 41.32, 36.4, 31, 740, 00 , 13:30:03, 02-Jul-2018
23, 64.39, 37.0, 30, 740, 00 , 13:45:03, 02-Jul-2018
24, 26.46, 37.4, 29, 740, 00 , 14:00:03, 02-Jul-2018
25, 22.64, 37.3, 28, 740, 00 , 14:15:03, 02-Jul-2018
26, 19.93, 37.5, 30, 740, 00 , 14:30:03, 02-Jul-2018
27, 23.44, 38.1, 29, 740, 00 , 14:45:03, 02-Jul-2018
28, 18.03, 37.9, 29, 740, 00 , 15:00:03, 02-Jul-2018
29, 16.40, 38.2, 27, 740, 00 , 15:15:03, 02-Jul-2018
30, 15.01, 39.2, 24, 738, 00 , 15:30:03, 02-Jul-2018
31, 14.39, 39.5, 23, 738, 00 , 15:45:03, 02-Jul-2018

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"Max STEL   ", 20.964484
"Max STEL @ ", 10:01:43 02-Jul-2018
"Avg point ", 14.227099
"ALARM   ", "INSTANT "
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"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 20.77, 22.2, 68, 740, 03 , 08:15:03, 02-Jul-2018
2, 20.71, 26.8, 55, 740, 00 , 08:30:03, 02-Jul-2018
3, 18.16, 29.9, 46, 740, 00 , 08:45:03, 02-Jul-2018
4, 15.99, 32.8, 38, 740, 00 , 09:00:03, 02-Jul-2018
5, 15.45, 34.5, 34, 740, 00 , 09:15:03, 02-Jul-2018
6, 16.19, 36.2, 31, 740, 00 , 09:30:03, 02-Jul-2018
7, 16.16, 36.5, 31, 740, 00 , 09:45:03, 02-Jul-2018
8, 20.73, 36.6, 31, 740, 00 , 10:00:03, 02-Jul-2018
9, 16.61, 36.4, 32, 740, 00 , 10:15:03, 02-Jul-2018
10, 16.51, 36.7, 32, 740, 00 , 10:30:03, 02-Jul-2018
11, 17.89, 37.2, 32, 740, 00 , 10:45:03, 02-Jul-2018
12, 16.58, 38.2, 30, 740, 00 , 11:00:03, 02-Jul-2018
13, 15.94, 38.8, 28, 740, 00 , 11:15:03, 02-Jul-2018
14, 13.38, 39.5, 27, 740, 00 , 11:30:03, 02-Jul-2018
15, 13.10, 39.9, 26, 740, 00 , 11:45:03, 02-Jul-2018
16, 12.31, 40.6, 25, 740, 00 , 12:00:03, 02-Jul-2018
17, 11.19, 42.4, 21, 740, 00 , 12:15:03, 02-Jul-2018
18, 19.98, 43.5, 19, 740, 00 , 12:30:03, 02-Jul-2018
19, 13.50, 43.9, 19, 740, 00 , 12:45:03, 02-Jul-2018
20, 11.18, 43.2, 19, 740, 00 , 13:00:03, 02-Jul-2018
21, 11.29, 42.4, 19, 740, 00 , 13:15:03, 02-Jul-2018
22, 11.55, 41.9, 20, 740, 00 , 13:30:03, 02-Jul-2018
23, 14.95, 41.6, 21, 740, 00 , 13:45:03, 02-Jul-2018
24, 10.65, 41.6, 20, 740, 00 , 14:00:03, 02-Jul-2018
25, 10.20, 41.5, 20, 740, 00 , 14:15:03, 02-Jul-2018
26, 11.00, 41.6, 20, 740, 00 , 14:30:03, 02-Jul-2018
27, 11.57, 41.5, 21, 740, 00 , 14:45:03, 02-Jul-2018
28, 10.89, 40.8, 21, 740, 00 , 15:00:03, 02-Jul-2018
29, 9.79, 40.9, 21, 738, 00 , 15:15:03, 02-Jul-2018
30, 8.83, 41.4, 19, 738, 00 , 15:30:03, 02-Jul-2018
31, 8.00, 41.5, 19, 738, 00 , 15:45:03, 02-Jul-2018

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"Unit   ", 0
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"Max STEL   ", 57.518034
"Max STEL @ ", 12:17:13 02-Jul-2018
"Avg point ", 26.672931
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
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2, 28.89, 22.8, 70, 740, 00 , 08:30:03, 02-Jul-2018
3, 23.18, 25.3, 63, 742, 00 , 08:45:03, 02-Jul-2018
4, 24.44, 27.3, 57, 742, 00 , 09:00:03, 02-Jul-2018
5, 26.39, 29.1, 53, 742, 00 , 09:15:03, 02-Jul-2018
6, 29.11, 30.5, 50, 742, 00 , 09:30:03, 02-Jul-2018
7, 30.92, 31.7, 48, 742, 00 , 09:45:03, 02-Jul-2018
8, 56.47, 32.4, 47, 742, 00 , 10:00:03, 02-Jul-2018
9, 26.74, 33.2, 46, 742, 00 , 10:15:03, 02-Jul-2018
10, 26.53, 33.7, 45, 742, 00 , 10:30:03, 02-Jul-2018
11, 34.73, 34.4, 44, 742, 00 , 10:45:03, 02-Jul-2018
12, 32.41, 35.1, 43, 742, 00 , 11:00:03, 02-Jul-2018
13, 26.08, 36.3, 40, 742, 00 , 11:15:03, 02-Jul-2018
14, 23.43, 37.2, 39, 742, 00 , 11:30:03, 02-Jul-2018
15, 25.07, 38.2, 38, 742, 00 , 11:45:03, 02-Jul-2018
16, 25.31, 39.0, 35, 742, 00 , 12:00:03, 02-Jul-2018
17, 48.35, 39.9, 32, 742, 00 , 12:15:03, 02-Jul-2018
18, 31.87, 40.2, 32, 742, 00 , 12:30:03, 02-Jul-2018
19, 25.15, 40.2, 31, 742, 00 , 12:45:03, 02-Jul-2018
20, 22.36, 39.7, 31, 742, 00 , 13:00:03, 02-Jul-2018
21, 22.38, 39.3, 31, 742, 00 , 13:15:03, 02-Jul-2018
22, 30.12, 39.5, 31, 742, 00 , 13:30:03, 02-Jul-2018
23, 26.93, 39.4, 31, 740, 00 , 13:45:03, 02-Jul-2018
24, 22.01, 39.5, 30, 740, 00 , 14:00:03, 02-Jul-2018
25, 20.45, 38.9, 31, 740, 00 , 14:15:03, 02-Jul-2018
26, 23.34, 38.6, 31, 740, 00 , 14:30:03, 02-Jul-2018
27, 23.08, 38.6, 32, 740, 00 , 14:45:03, 02-Jul-2018
28, 21.46, 37.9, 32, 740, 00 , 15:00:03, 02-Jul-2018
29, 19.80, 37.7, 32, 740, 00 , 15:15:03, 02-Jul-2018
30, 18.46, 38.1, 31, 740, 00 , 15:30:03, 02-Jul-2018
31, 17.55, 37.9, 31, 740, 00 , 15:45:03, 02-Jul-2018
32, 20.13, 37.5, 33, 740, 00 , 16:00:03, 02-Jul-2018

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"Unit   ", 0
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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 14:29:56 02-Jul-2018
"Max STEL   ", 31.475906
"Max STEL @ ", 08:15:03 02-Jul-2018
"Avg point ", 20.608678
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
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2, 25.47, 24.9, 69, 740, 00 , 08:30:03, 02-Jul-2018
3, 21.61, 27.0, 69, 740, 00 , 08:45:03, 02-Jul-2018
4, 20.29, 28.6, 67, 740, 00 , 09:00:03, 02-Jul-2018
5, 21.48, 29.8, 63, 740, 00 , 09:15:03, 02-Jul-2018
6, 23.53, 31.1, 58, 740, 00 , 09:30:03, 02-Jul-2018
7, 23.00, 32.4, 56, 740, 00 , 09:45:03, 02-Jul-2018
8, 27.74, 33.4, 54, 740, 00 , 10:00:03, 02-Jul-2018
9, 23.29, 34.5, 54, 740, 00 , 10:15:03, 02-Jul-2018
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13, 21.27, 38.0, 47, 740, 00 , 11:15:03, 02-Jul-2018
14, 19.94, 39.2, 46, 740, 00 , 11:30:03, 02-Jul-2018
15, 19.75, 40.1, 43, 740, 00 , 11:45:03, 02-Jul-2018
16, 19.72, 40.8, 42, 740, 00 , 12:00:03, 02-Jul-2018
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DAILY OBSERVATION REPORT

Report No.:	27	Project File:	MN0832D	Date:	7/3/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — *an affiliate of Geosyntec Consultants*

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: James Burnett

Site Representative: Matt Schallinger

Arrive at Site: 0645hrs. Leave Site: 1400 hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Partly Cloudy	am	Partly Cloudy	pm
Temperature:	70° F	am	86° F	pm
Wind Direction:	4 SW	am	3 S	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 27 Project File: MN0832D Date: 7/3/2018

Materials Imported and Removed from Work Areas

Soil Removal:

Total Loads today: 6 Total Loads to date: 56

Weight: 150 tons Total Weight to date: ~1292 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 4 Total Loads to date: 15

Weight: 80 Tons Total Weight to date: ~293 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: 0Tons Total Weight to date: 132 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: 91

Weight: 0 Tons Total Weight to date: 1931 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0645. Attended Recon safety meeting. Aron Krasnopoler, Matthew Schallinger, Hannah Zafar and Jim Burnett were on site. Held safety tailgate meeting for Geosyntec. Reviewed tasks.
- Calibrate and deploy dust monitors.
- Held weekly progress meeting with Unisys, Geosyntec and Recon by teleconference. Geosyntec is working on a design modification to use sloping or benching for excavation support as an alternative to sheet pile installation which has encountered refusal at multiple locations. This will include plans to support utilities. An emphasis has been placed on maximizing TSCA removal.
- Scott Williams of DEC onsite for site walk through.
- Amanda Castignetti of Sterling Environmental onsite for observation.

Report No.:	27	Project File:	MN0832D	Date:	7/3/2018

- Recon updated the rain controls of the roof a K-wing. The use of hard 90 angle piping has been implemented to eliminate the chance for kinking in the hoses during pumping.
- Recon reassembled the gate on the northernmost perimeter of the RPL as this was blown over from the overnight storm.
- 4 trucks of imported CR #1-2's fill arrives onsite.
- 4 Sheet piles that were used as test runs in the NW corner of the RPL were removed from the ground and staged onsite. The crane has been mobilized out of the RPL and staged in the parking area.
- 6 TSCA trucks were loaded and shipped offsite today. Trucks were washed with water on the decon pad before leaving the site.
- JB observed loading of trucks and issued manifests.
- TSCA excavation occurred in phase 3 in the 4-6' ft intervals. This material was moved to the accumulation area for loading of Thursdays trucks

PM

- Recon sprayed water along the haul road several times and twice in MSA during the day.
- TSCA excavation occurred in phase 3 in the 4-6' ft intervals. This material was moved to the accumulation area for loading of tomorrows trucks.
- MS conducted SWPP investigation.
- Recon broke stopped work around 1230. Piles were covered.
- No dust exceedances in the RPL or MSA were recorded today.

Report No.: 27 Project File: MN0832D Date: 7/3/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Brian Kilkenny
- Addison Hofferth
- Brian Balog
- Rich Tonnucour
- (Recon labor) X18
- Crane operator (Recon subcontractors)

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- 8x40 Office Trailer
- Portable Toilets
- Hand Wash Stations
- ST-197 Dodge Ram Work Truck
- 8x20 Storage Box
- Trimble GPS System (Base, Rover, Data Collector)
- 8x20 Office Trailer
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 Containments
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Vibratory Hammer
- Roller
- Site F250
- Sheet piling crane.

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Amada Castignetti	Sterling	Yes
Scott Williams	DEC	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Substantial Completion Date: NA
Completion Date: NA

ITEMS OF CONCERN:

None.

DAILY OBSERVATION REPORT

Report No.: 27 Project File: MN0832D Date: 7/3/2018

Site Representative: M. Schallinger

Date: 7/3/2018

Name: (*signature*)

:

Photo Log

Date : 7/3/2018

<table>
<tr><td>  </td><td>  </td></tr>
<tr><td>Adding additional plastic to asphalt milling piles.</td><td>Updated piping to rain controls.</td></tr>
<tr><td>  </td><td>  </td></tr>
<tr><td>Cover re-use piles in the MSA</td><td>TSCA accumulation process using 2 excavators.</td></tr>
</table>

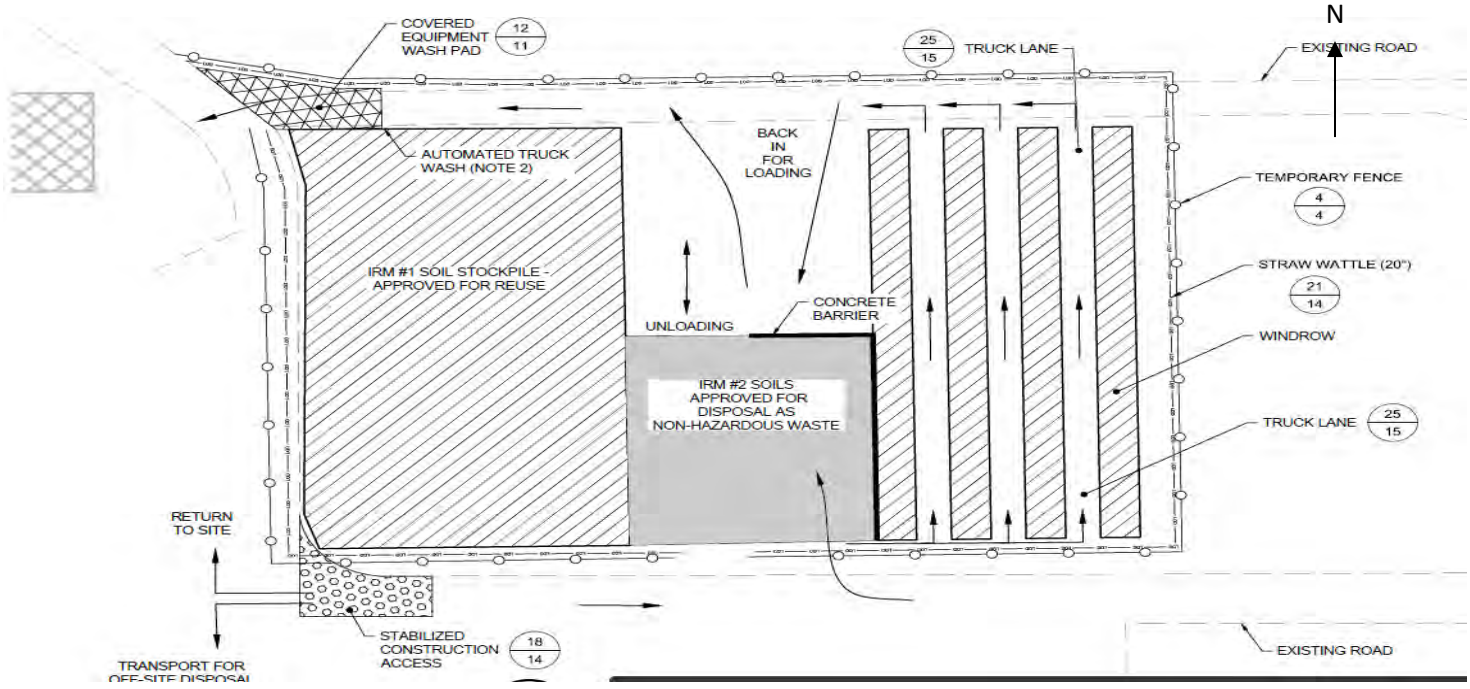
Report No.:	27	Project File:	MN0832D	Date:	7/3/2018

Site Map

Rear Parking Lot

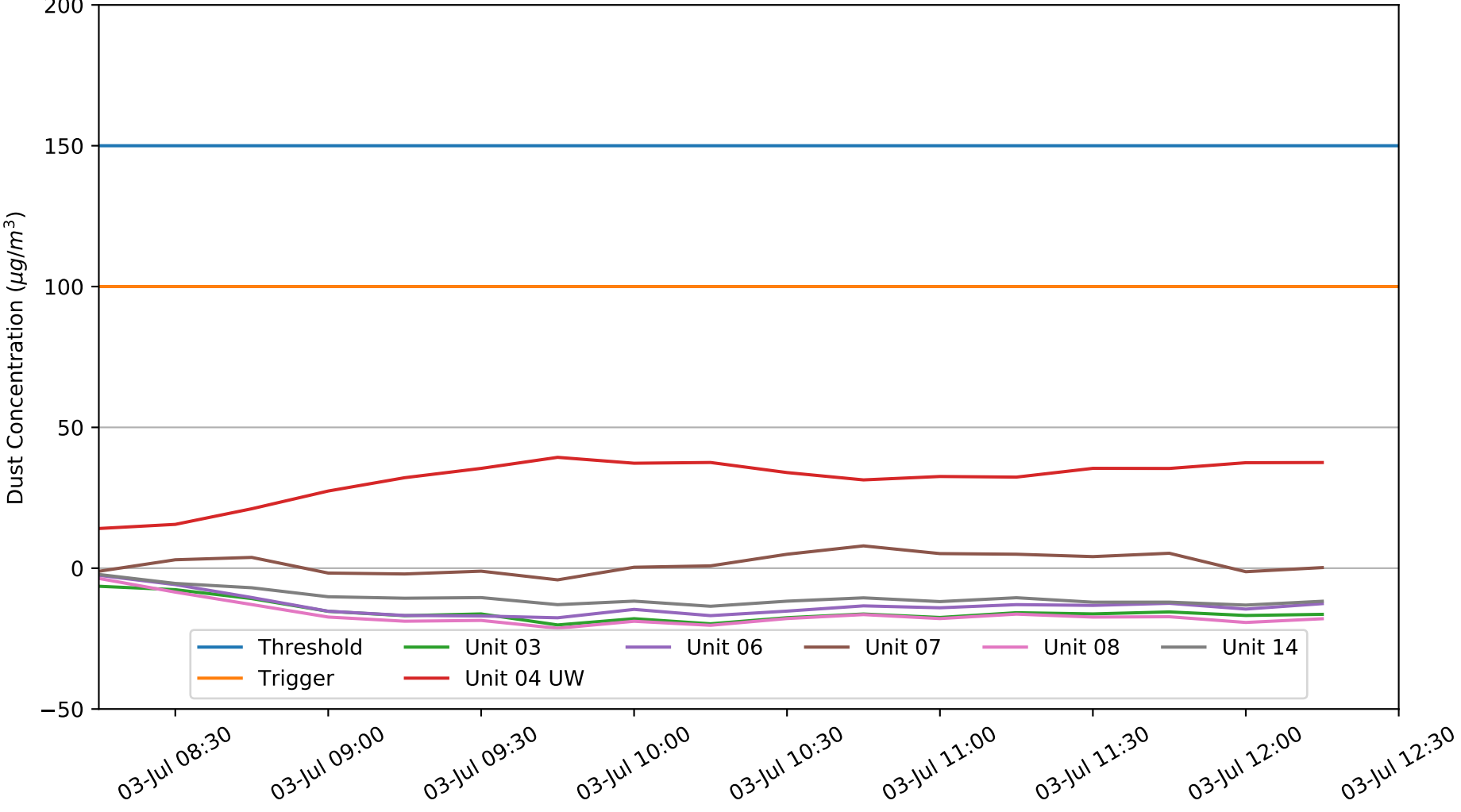


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 03-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 03-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 07	Unit 08	Unit 06	Unit 04 UW	Unit 03	Unit 14	Threshold	Trigger
2018-07-03 08:15:00	-1.1	-3.63	-2.53	14.09	-6.42	-2.23	150	100
2018-07-03 08:30:00	2.99	-8.5	-5.84	15.56	-7.63	-5.41	150	100
2018-07-03 08:45:00	3.83	-12.91	-10.41	21.1	-10.8	-6.95	150	100
2018-07-03 09:00:00	-1.73	-17.35	-15.28	27.4	-15.32	-10.14	150	100
2018-07-03 09:15:00	-2.05	-18.83	-16.78	32.13	-16.86	-10.66	150	100
2018-07-03 09:30:00	-1.06	-18.55	-16.96	35.44	-16.24	-10.44	150	100
2018-07-03 09:45:00	-4.14	-21.32	-17.61	39.36	-20.15	-12.95	150	100
2018-07-03 10:00:00	0.34	-18.85	-14.63	37.27	-17.93	-11.7	150	100
2018-07-03 10:15:00	0.83	-20.28	-16.85	37.53	-19.74	-13.52	150	100
2018-07-03 10:30:00	4.95	-17.88	-15.24	33.95	-17.58	-11.71	150	100
2018-07-03 10:45:00	7.92	-16.48	-13.38	31.35	-16.27	-10.53	150	100
2018-07-03 11:00:00	5.18	-17.89	-14.06	32.56	-17.5	-11.86	150	100
2018-07-03 11:15:00	4.96	-16.31	-12.94	32.34	-15.8	-10.49	150	100
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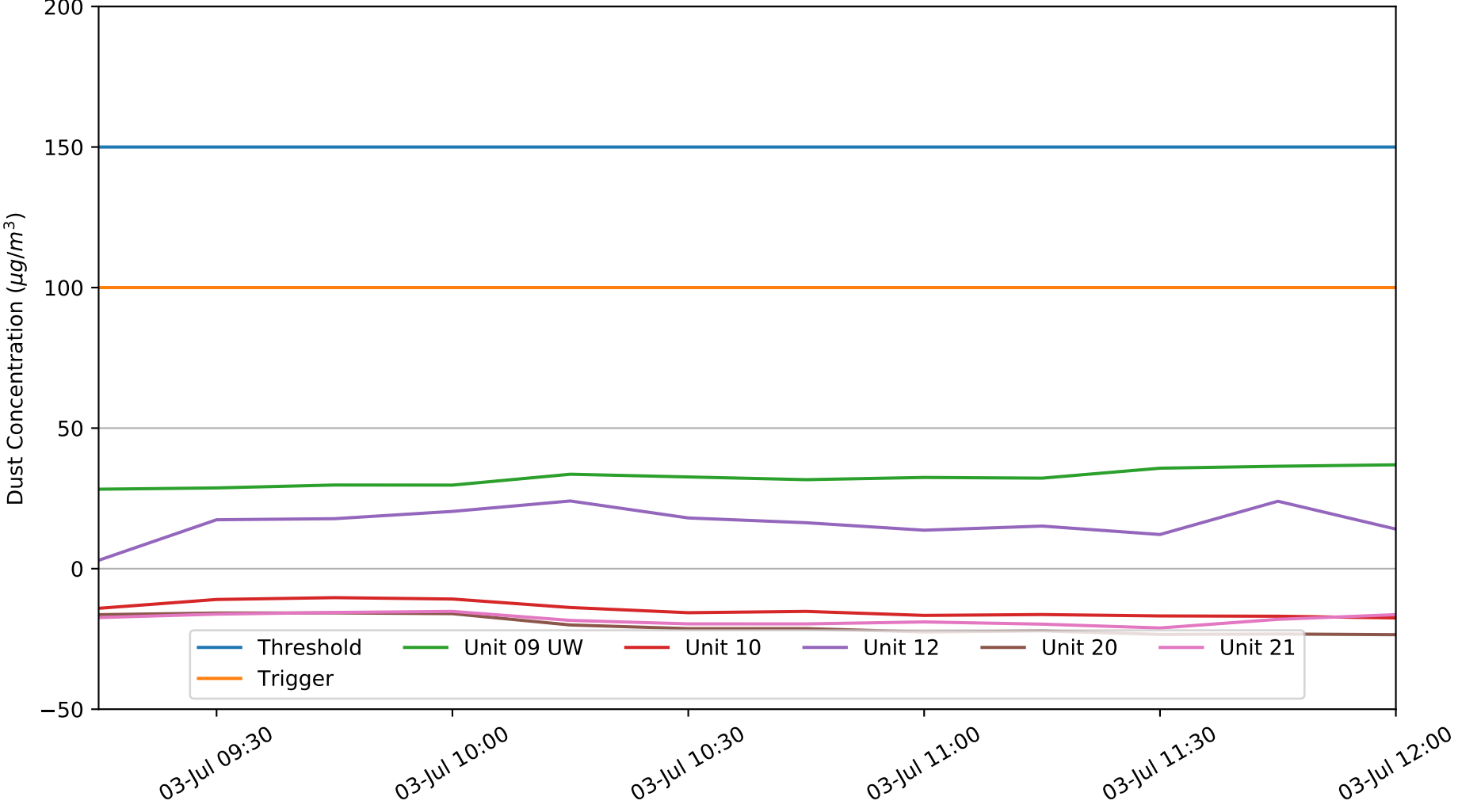
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>"Model Number", "PDR-1500", 01.34
"Serial no. ", "0115250140"
"Tag Number ", 16
"Start Time ", 08:00:03
"Start Date ", 03-Jul-2018
"Log Period ", 00:15:00
"Number ", 18
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 25.929754
"Max Disp @ ", 09:21:26 03-Jul-2018
"Max STEL ", 21.330979
"Max STEL @ ", 12:06:43 03-Jul-2018
"Avg point ", 16.245598
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 7.67, 22.2, 89, 744, 07 , 08:15:03, 03-Jul-2018
2, 7.93, 25.7, 78, 744, 00 , 08:30:03, 03-Jul-2018
3, 10.30, 28.5, 68, 744, 00 , 08:45:03, 03-Jul-2018
4, 12.08, 30.1, 62, 744, 00 , 09:00:03, 03-Jul-2018
5, 15.27, 31.9, 56, 744, 00 , 09:15:03, 03-Jul-2018
6, 19.20, 33.9, 50, 744, 00 , 09:30:03, 03-Jul-2018
7, 19.21, 35.8, 44, 744, 00 , 09:45:03, 03-Jul-2018
8, 19.34, 37.4, 40, 746, 00 , 10:00:03, 03-Jul-2018
9, 17.79, 38.8, 38, 746, 00 , 10:15:03, 03-Jul-2018
10, 16.37, 38.9, 37, 746, 00 , 10:30:03, 03-Jul-2018
11, 15.08, 39.5, 36, 746, 00 , 10:45:03, 03-Jul-2018
12, 15.06, 38.7, 37, 746, 00 , 11:00:03, 03-Jul-2018
13, 16.54, 38.6, 38, 746, 00 , 11:15:03, 03-Jul-2018
14, 19.22, 38.2, 37, 746, 00 , 11:30:03, 03-Jul-2018
15, 19.88, 37.9, 38, 746, 00 , 11:45:03, 03-Jul-2018
16, 20.66, 37.4, 39, 746, 00 , 12:00:03, 03-Jul-2018
17, 21.13, 36.6, 40, 746, 00 , 12:15:03, 03-Jul-2018
18, 19.70, 36.0, 42, 746, 00 , 12:30:03, 03-Jul-2018

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"Tag Number ", 10
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"Start Date ", 03-Jul-2018
"Log Period ", 00:15:00
"Number ", 18
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 49.571791
"Max Disp @ ", 12:18:27 03-Jul-2018
"Max STEL ", 27.313793
"Max STEL @ ", 12:18:53 03-Jul-2018
"Avg point ", 21.347680
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 11.86, 21.5, 87, 744, 03 , 08:15:03, 03-Jul-2018
2, 10.15, 24.5, 81, 744, 00 , 08:30:03, 03-Jul-2018
3, 14.15, 26.8, 73, 744, 00 , 08:45:03, 03-Jul-2018
4, 17.26, 28.8, 68, 744, 00 , 09:00:03, 03-Jul-2018
5, 21.47, 30.8, 60, 744, 00 , 09:15:03, 03-Jul-2018
6, 25.00, 33.0, 53, 744, 00 , 09:30:03, 03-Jul-2018
7, 26.41, 35.5, 45, 744, 00 , 09:45:03, 03-Jul-2018
8, 25.57, 37.0, 41, 744, 00 , 10:00:03, 03-Jul-2018
9, 24.01, 38.6, 38, 744, 00 , 10:15:03, 03-Jul-2018
10, 22.24, 39.1, 35, 744, 00 , 10:30:03, 03-Jul-2018
11, 20.82, 40.3, 33, 744, 00 , 10:45:03, 03-Jul-2018
12, 20.70, 40.2, 33, 744, 00 , 11:00:03, 03-Jul-2018
13, 21.85, 40.4, 33, 744, 00 , 11:15:03, 03-Jul-2018
14, 23.38, 40.5, 32, 744, 00 , 11:30:03, 03-Jul-2018
15, 23.36, 39.8, 33, 744, 00 , 11:45:03, 03-Jul-2018
16, 24.35, 38.9, 35, 744, 00 , 12:00:03, 03-Jul-2018
17, 25.78, 38.0, 35, 744, 00 , 12:15:03, 03-Jul-2018
18, 25.88, 38.0, 36, 744, 00 , 12:30:03, 03-Jul-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 03-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 03-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 09 UW	Unit 21	Unit 12	Unit 20	Unit 10	Threshold	Trigger
2018-07-03 09:15:00	28.27	-17.4	2.97	-16.37	-14.1	150	100
2018-07-03 09:30:00	28.72	-16.18	17.4	-15.79	-10.96	150	100
2018-07-03 09:45:00	29.76	-15.58	17.78	-15.74	-10.31	150	100
2018-07-03 10:00:00	29.73	-15.2	20.37	-16.01	-10.8	150	100
2018-07-03 10:15:00	33.59	-18.41	24.08	-20.03	-13.82	150	100
2018-07-03 10:30:00	32.63	-19.64	18.04	-21.33	-15.67	150	100
2018-07-03 10:45:00	31.66	-19.65	16.34	-21.33	-15.2	150	100
2018-07-03 11:00:00	32.45	-18.95	13.68	-22.52	-16.63	150	100
2018-07-03 11:15:00	32.2	-19.74	15.15	-22.13	-16.32	150	100
2018-07-03 11:30:00	35.74	-21.1	12.15	-23.39	-16.82	150	100
2018-07-03 11:45:00	36.44	-18.03	23.99	-23.24	-16.92	150	100
2018-07-03 12:00:00	36.95	-16.36	14.08	-23.49	-17.53	150	100

>"Model Number", "PDR-1500", 01.34
"Serial no. ", "0115248912"
"Tag Number ", 19
"Start Time ", 09:00:03
"Start Date ", 03-Jul-2018
"Log Period ", 00:15:00
"Number   ", 12
"CalFactor   ", 1.000000
"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 39.736931
"Max Disp @ ", 11:57:02 03-Jul-2018
"Max STEL   ", 36.998010
"Max STEL @ ", 11:57:33 03-Jul-2018
"Avg point ", 32.344494
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
    1,   28.27, 24.4,   71,   744, 03 , 09:15:03, 03-Jul-2018
    2,   28.72, 26.1,   72,   744, 00 , 09:30:03, 03-Jul-2018
    3,   29.76, 27.5,   71,   744, 00 , 09:45:03, 03-Jul-2018
    4,   29.73, 28.7,   69,   744, 00 , 10:00:03, 03-Jul-2018
    5,   33.59, 29.8,   62,   744, 00 , 10:15:03, 03-Jul-2018
    6,   32.63, 30.4,   58,   744, 00 , 10:30:03, 03-Jul-2018
    7,   31.66, 31.4,   56,   744, 00 , 10:45:03, 03-Jul-2018
    8,   32.45, 31.8,   52,   744, 00 , 11:00:03, 03-Jul-2018
    9,   32.20, 32.1,   54,   744, 00 , 11:15:03, 03-Jul-2018
   10,   35.74, 32.9,   51,   744, 00 , 11:30:03, 03-Jul-2018
   11,   36.44, 32.8,   51,   744, 00 , 11:45:03, 03-Jul-2018
   12,   36.95, 32.9,   50,   744, 00 , 12:00:03, 03-Jul-2018

>"Model Number", "PDR-1500", 01.34
"Serial no. ", "0115249059"
"Tag Number ", 6
"Start Time ", 09:00:03
"Start Date ", 03-Jul-2018
"Log Period ", 00:15:00
"Number ", 12
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 45.337667
"Max Disp @ ", 11:51:21 03-Jul-2018
"Max STEL ", 22.735262
"Max STEL @ ", 11:54:23 03-Jul-2018
"Avg point ", 14.326324
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 10.87, 21.4, 79, 746, 00 , 09:15:03, 03-Jul-2018
2, 12.54, 22.6, 76, 746, 00 , 09:30:03, 03-Jul-2018
3, 14.18, 23.7, 71, 746, 00 , 09:45:03, 03-Jul-2018
4, 14.53, 24.4, 68, 746, 00 , 10:00:03, 03-Jul-2018
5, 15.18, 25.3, 65, 746, 00 , 10:15:03, 03-Jul-2018
6, 12.99, 25.9, 62, 746, 00 , 10:30:03, 03-Jul-2018
7, 12.01, 26.9, 60, 746, 00 , 10:45:03, 03-Jul-2018
8, 13.50, 27.7, 56, 746, 00 , 11:00:03, 03-Jul-2018
9, 12.46, 28.2, 56, 746, 00 , 11:15:03, 03-Jul-2018
10, 14.64, 29.1, 52, 746, 00 , 11:30:03, 03-Jul-2018
11, 18.41, 29.5, 51, 746, 00 , 11:45:03, 03-Jul-2018
12, 20.59, 29.7, 49, 746, 00 , 12:00:03, 03-Jul-2018

>"Model Number", "PDR-1500", 01.34
"Serial no. ", "CM15111014"
"Tag Number ", 17
"Start Time ", 09:00:03
"Start Date ", 03-Jul-2018
"Log Period ", 00:15:00
"Number ", 12
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 174.498487
"Max Disp @ ", 10:01:07 03-Jul-2018
"Max STEL ", 60.453601
"Max STEL @ ", 11:47:43 03-Jul-2018
"Avg point ", 48.681688
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 31.24, 22.7, 75, 746, 01 , 09:15:03, 03-Jul-2018
2, 46.12, 25.7, 64, 746, 00 , 09:30:03, 03-Jul-2018
3, 47.54, 28.0, 56, 746, 00 , 09:45:03, 03-Jul-2018
4, 50.10, 29.6, 52, 746, 00 , 10:00:03, 03-Jul-2018
5, 57.67, 31.1, 48, 746, 00 , 10:15:03, 03-Jul-2018
6, 50.67, 32.6, 44, 746, 00 , 10:30:03, 03-Jul-2018
7, 48.00, 34.3, 40, 746, 01 , 10:45:03, 03-Jul-2018
8, 46.13, 35.2, 38, 746, 01 , 11:00:03, 03-Jul-2018
9, 47.35, 35.7, 37, 746, 01 , 11:15:03, 03-Jul-2018
10, 47.89, 36.6, 36, 746, 01 , 11:30:03, 03-Jul-2018
11, 60.43, 36.0, 36, 746, 01 , 11:45:03, 03-Jul-2018
12, 51.03, 35.3, 37, 746, 01 , 12:00:03, 03-Jul-2018

>"Model Number", "ADR-1500", 01.34
"Serial no. ", "0115249190"
"Tag Number ", 4
"Start Time ", 09:00:03
"Start Date ", 03-Jul-2018
"Log Period ", 00:15:00
"Number ", 12
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 25.755670
"Max Disp @ ", 11:38:15 03-Jul-2018
"Max STEL ", 14.142728
"Max STEL @ ", 09:47:13 03-Jul-2018
"Avg point ", 12.231342
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 11.90, 21.2, 76, 746, 01 , 09:15:03, 03-Jul-2018
2, 12.93, 22.3, 74, 746, 00 , 09:30:03, 03-Jul-2018
3, 14.02, 23.4, 70, 746, 00 , 09:45:03, 03-Jul-2018
4, 13.72, 24.1, 66, 746, 00 , 10:00:03, 03-Jul-2018
5, 13.56, 24.9, 64, 746, 00 , 10:15:03, 03-Jul-2018
6, 11.30, 25.5, 61, 746, 00 , 10:30:03, 03-Jul-2018
7, 10.33, 26.5, 58, 746, 00 , 10:45:03, 03-Jul-2018
8, 9.93, 27.4, 54, 746, 00 , 11:00:03, 03-Jul-2018
9, 10.07, 28.1, 54, 746, 00 , 11:15:03, 03-Jul-2018
10, 12.35, 29.3, 49, 746, 00 , 11:30:03, 03-Jul-2018
11, 13.20, 29.6, 48, 746, 00 , 11:45:03, 03-Jul-2018
12, 13.46, 29.8, 46, 746, 00 , 12:00:03, 03-Jul-2018

>"Model Number", "PDR-1500", 01.34
"Serial no. ", "0115248913"
"Tag Number ", 18
"Start Time ", 09:00:03
"Start Date ", 03-Jul-2018
"Log Period ", 00:15:00
"Number ", 12
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 26.336608
"Max Disp @ ", 10:01:39 03-Jul-2018
"Max STEL ", 19.995470
"Max STEL @ ", 10:07:43 03-Jul-2018
"Avg point ", 17.754762
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 14.17, 25.6, 70, 744, 01 , 09:15:03, 03-Jul-2018
2, 17.76, 29.8, 58, 744, 00 , 09:30:03, 03-Jul-2018
3, 19.45, 32.3, 48, 744, 00 , 09:45:03, 03-Jul-2018
4, 18.93, 34.2, 43, 744, 00 , 10:00:03, 03-Jul-2018
5, 19.77, 35.9, 40, 744, 00 , 10:15:03, 03-Jul-2018
6, 16.96, 37.4, 36, 744, 00 , 10:30:03, 03-Jul-2018
7, 16.46, 38.9, 33, 744, 00 , 10:45:03, 03-Jul-2018
8, 15.82, 39.2, 32, 744, 00 , 11:00:03, 03-Jul-2018
9, 15.88, 38.9, 32, 744, 00 , 11:15:03, 03-Jul-2018
10, 18.92, 38.3, 33, 744, 00 , 11:30:03, 03-Jul-2018
11, 19.52, 37.5, 35, 744, 00 , 11:45:03, 03-Jul-2018
12, 19.42, 37.3, 35, 744, 00 , 12:00:03, 03-Jul-2018

DAILY OBSERVATION REPORT

Report No.:	28	Project File:	MN0832D	Date:	7/5/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — *an affiliate of Geosyntec Consultants*

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: James Burnett

Site Representative: Matt Schallinger

Arrive at Site: 0645hrs. Leave Site: 1400 hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Sunny	am	Increasing Clouds, humid	pm
Temperature:	70° F	am	86° F	pm
Wind Direction:	0 SW	am	9 WSW	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 28 Project File: MN0832D Date: 7/5/2018

Materials Imported and Removed from Work Areas

Soil Removal:

Total Loads today: 10 Total Loads to date: 66

Weight: 400 tons Total Weight to date: ~1692 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 15

Weight: 0 Tons Total Weight to date: ~293 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: 0Tons Total Weight to date: 132 Tons

Imported Common Fill:

Total Loads today: 4 Total Loads to date: 95

Weight: 88 Tons Total Weight to date: 2019 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0645. Attended Recon safety meeting. Matthew Schallinger, Hannah Zafar and Jim Burnett were on site. Held initial tailgate safety meeting for Geosyntec. Reviewed tasks and personnel coming to the site.
- HZ and MS calibrate and deploy dust monitors.
- Jim Bannantine and Elizabeth Lee of Geosyntec arrive onsite for continued sample collecting using a Geoprobe. MS conducts safety meeting, orientation and site walk through.
- Representatives of DEC and EHS onsite for a site visit and walk through. MS held brief safety meeting before site walk through. Observed loading of TSCA trucks, phase-one excavations and stockpiling process' of TSCA material. Examined rain controls on roof of K-wing and inspected the MSA. DEC inquired about the contents of the red roll-off container in the SW corner of the MSA.
- 4 trucks of imported Item #4 fill arrived onsite.

Report No.:	28	Project File:	MN0832D	Date:	7/5/2018

- A total of 10 TSCA trucks were loaded and shipped offsite today. The loading process started in the morning and continued periodically into the early afternoon. Trucks were washed with water on the decon pad before leaving the site.
- JB observed loading of trucks and issued manifests once the trucks have been inspected.
- 5 truckloads of overlay material in the NW corner of the RPL was excavated and placed on poly along the NE edge of the RPL.
- TSCA excavation occurred in phase 1 in the 2-4 ft intervals. This material was moved to the accumulation area for the loading of Fridays trucks.
- MS conducts excavation QC with Rich Tonnucour of Recon.
- Non-Hazardous material was excavated in the 2-4' and 4-6' intervals, loaded into dump trucks and transported to the MSA. All trucks leaving the RPL and the MSA were decontaminated before entering the haul road.

PM

- Recon began to excavate 6-8' non-hazardous material in phase one and transport it to MSA.
- Recon sprayed water along the haul road and the TSCA accumulation pile several times during the day.
- EL and JBn laid out boring locations with GPS
- Cascade drill crew arrives onsite around 1500. Hold safety meeting and site orientation. Set up and begin to collect samples using DPT rig.
- MS sampled overlay material and prepared samples for shipment.
- Recon began covering piles around 1600 and securing the site.
- MS reviewed 7/3/18 SWPP inspected with Addison Hofferth of Recon. MS notified AH of action items. There are minor rips/tears in some wattle that will be repaired this weekend.
- No dust exceedances in the RPL or MSA were recorded today.

Report No.: 28 Project File: MN0832D Date: 7/5/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Patrick Carr
- Brian Kilkenny
- Addison Hofferth
- Brian Balog
- Scott Early
- Rich Tonnucour
- (Recon labor) X18
- Crane operator (Recon subcontractors)

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- 8x40 Office Trailer
- Portable Toilets
- Hand Wash Stations
- ST-197 Dodge Ram Work Truck
- 8x20 Storage Box
- Trimble GPS System (Base, Rover, Data Collector)
- 8x20 Office Trailer
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 Containments
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Vibratory Hammer
- Roller
- Site F250

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	DEC	Yes
Mike Cruden	DEC	Yes
Jenelle Gaylord	DEC	Yes
Heidi Dudek	DEC	Yes
Dave Harrington	DEC	Yes
Mike Dunn	EHS	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Substantial Completion Date: NA
Completion Date: NA

ITEMS OF CONCERN:

None.

DAILY OBSERVATION REPORT

Report No.:	28	Project File:	MN0832D	Date:	7/5/2018

Site Representative: M. Schallinger

Date: 7/3/2018

Name: (*signature*)



:

Report No.:	28	Project File:	MN0832D	Date:	7/5/2018

Photo Log

Date : 7/05/2018



Loading of overlay material in the NW corner of RPL.



DEC discussing on going and planned site activities.



Dust control at TSCA accumulation pile.



Current extent of excavation and exposure of concrete structures.

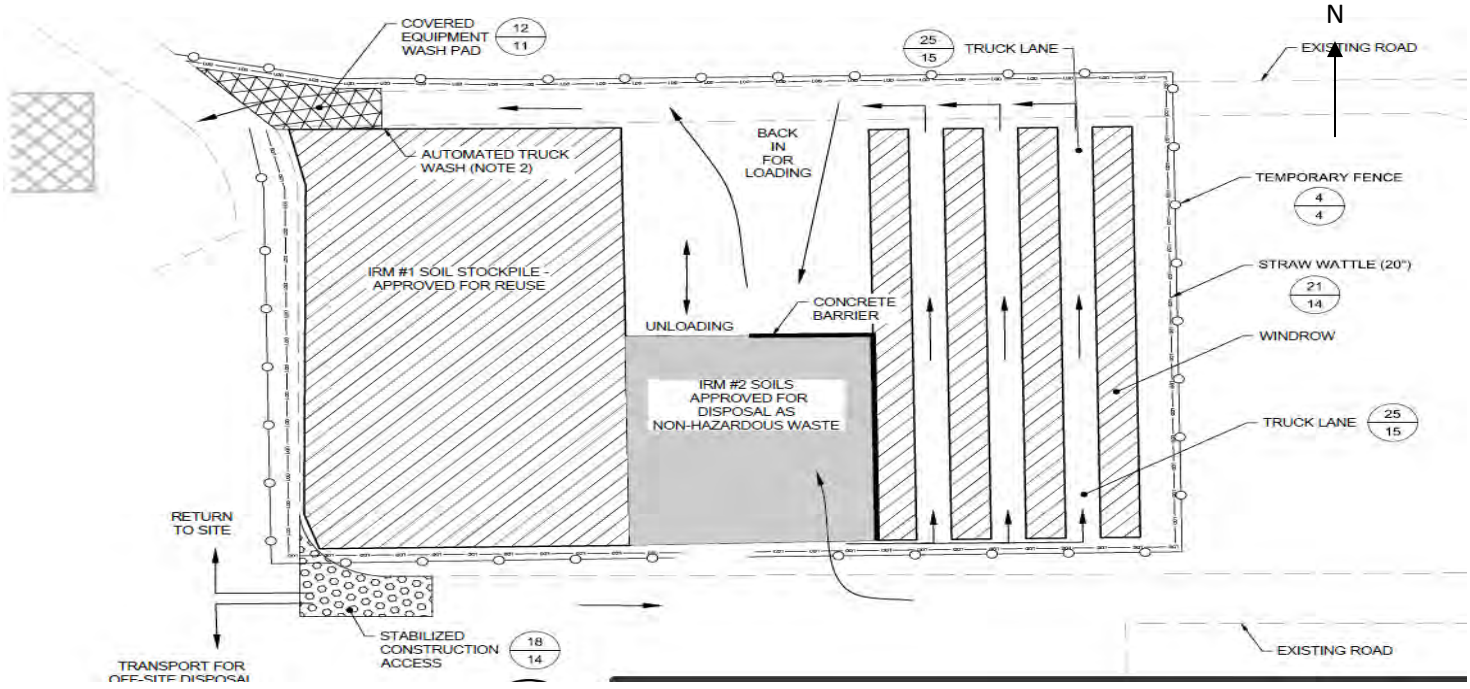
Report No.:	28	Project File:	MN0832D	Date:	7/5/2018

Site Map

Rear Parking Lot

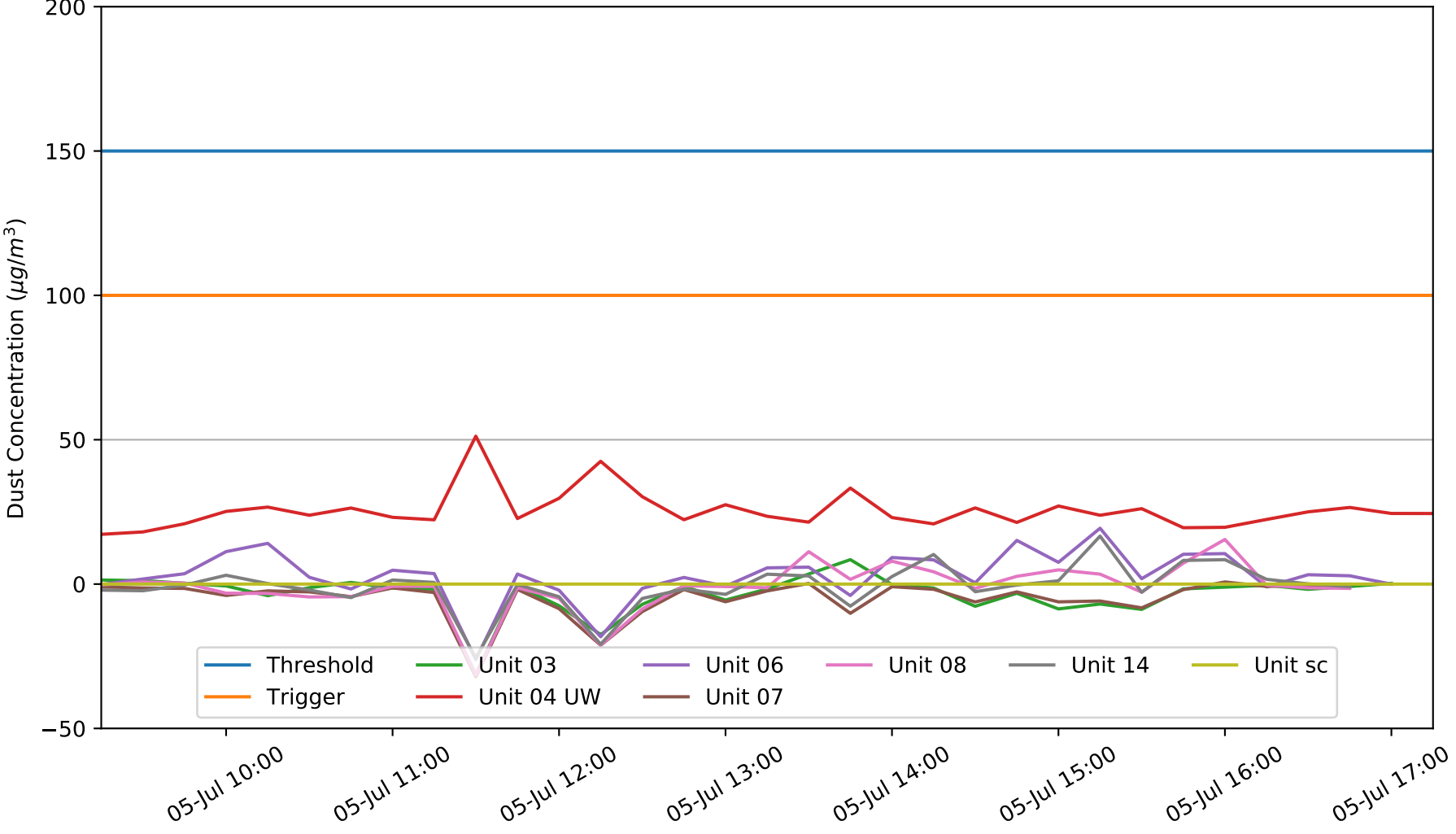


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 05-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 05-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 04 UW	Unit 14	Unit 08	Unit 03	Unit 07	Unit 06	Unit sc	Threshold	Trigger
2018-07-05 09:15:00	17.23	-2.1	-0.29	1.4	-0.99	-0.16	0	150	100
2018-07-05 09:30:00	18.06	-2.31	0.74	1.18	-1.36	1.76	0	150	100
2018-07-05 09:45:00	20.88	-0.35	0.37	0.29	-1.5	3.58	0	150	100
2018-07-05 10:00:00	25.17	3.06	-3.16	-0.65	-3.95	11.24	0	150	100
2018-07-05 10:15:00	26.66	0.17	-3.25	-4.01	-2.36	14.1	0	150	100
2018-07-05 10:30:00	23.85	-2.07	-4.45	-1.26	-2.71	2.34	0	150	100
2018-07-05 10:45:00	26.34	-4.69	-4.35	0.57	-4.34	-1.7	0	150	100
2018-07-05 11:00:00	23.12	1.41	-0.77	-1.37	-1.33	4.8	0	150	100
2018-07-05 11:15:00	22.26	0.57	-0.79	-1.74	-2.93	3.62	0	150	100
2018-07-05 11:30:00	51.23	-25.53	-31.48	-31.29	-32.13	-26.15	0	150	100
2018-07-05 11:45:00	22.7	-0.17	-1.26	-0.6	-1.86	3.48	0	150	100
2018-07-05 12:00:00	29.7	-4.39	-4.96	-7.51	-8.52	-2.12	0	150	100
2018-07-05 12:15:00	42.52	-20.84	-21.18	-17.52	-21.2	-18.25	0	150	100
2018-07-05 12:30:00	30.27	-4.98	-8.63	-7.03	-9.54	-1.48	0	150	100
2018-07-05 12:45:00	22.28	-1.75	-0.63	-0.81	-1.89	2.29	0	150	100
2018-07-05 13:00:00	27.48	-3.56	-0.85	-5.53	-6.12	-0.74	0	150	100
2018-07-05 13:15:00	23.48	3.42	-1.27	-1.71	-2.37	5.61	0	150	100
2018-07-05 13:30:00	21.45	2.82	11.22	3.48	0.22	5.86	0	150	100
2018-07-05 13:45:00	33.26	-7.66	1.64	8.46	-10.13	-3.96	0	150	100
2018-07-05 14:00:00	23.04	2.61	7.93	-0.19	-0.9	9.19	0	150	100
2018-07-05 14:15:00	20.84	10.25	4.26	-1.37	-1.8	8.38	0	150	100
2018-07-05 14:30:00	26.38	-2.65	-1.5	-7.69	-6.2	0.43	0	150	100
2018-07-05 14:45:00	21.35	-0.33	2.68	-3.17	-2.7	15.13	0	150	100
2018-07-05 15:00:00	27.04	1.13	4.92	-8.61	-6.16	7.53	0	150	100
2018-07-05 15:15:00	23.84	16.61	3.44	-6.91	-5.87	19.34	0	150	100
2018-07-05 15:30:00	26.12	-2.85	-2.79	-8.77	-8.24	1.86	0	150	100
2018-07-05 15:45:00	19.52	8.19	7.22	-1.65	-1.93	10.32	0	150	100
2018-07-05 16:00:00	19.66	8.45	15.46	-1.07	0.73	10.55	0	150	100
2018-07-05 16:15:00	22.38	1.65	-0.35	-0.4	-0.82	-0.95	0	150	100
2018-07-05 16:30:00	25.02	0.06	-1.3	-1.82	-0.4	3.24	0	150	100
2018-07-05 16:45:00	26.54	-0.92	-1.49	-0.84	-0.18	2.87	0	150	100
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2018-07-05 17:15:00	24.44						0	150	100

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4, 25.17, 33.2, 52, 748, 01 , 10:00:03, 05-Jul-2018
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8, 23.12, 38.0, 40, 748, 01 , 11:00:03, 05-Jul-2018
9, 22.26, 38.7, 37, 748, 01 , 11:15:03, 05-Jul-2018
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33, 24.44, 36.8, 45, 744, 01 , 17:15:03, 05-Jul-2018

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3, 20.53, 26.8, 70, 746, 00 , 09:45:03, 05-Jul-2018
4, 28.23, 27.3, 68, 746, 00 , 10:00:03, 05-Jul-2018
5, 26.83, 27.9, 67, 746, 00 , 10:15:03, 05-Jul-2018
6, 21.78, 28.8, 64, 746, 00 , 10:30:03, 05-Jul-2018
7, 21.65, 30.0, 61, 744, 00 , 10:45:03, 05-Jul-2018
8, 24.53, 31.2, 57, 744, 00 , 11:00:03, 05-Jul-2018
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13, 21.68, 35.4, 43, 744, 00 , 12:15:03, 05-Jul-2018
14, 25.29, 35.9, 43, 744, 00 , 12:30:03, 05-Jul-2018
15, 20.53, 36.0, 42, 744, 00 , 12:45:03, 05-Jul-2018
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21, 31.09, 37.4, 40, 744, 00 , 14:15:03, 05-Jul-2018
22, 23.73, 37.5, 38, 744, 00 , 14:30:03, 05-Jul-2018
23, 21.02, 36.9, 40, 744, 00 , 14:45:03, 05-Jul-2018
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26, 23.27, 35.7, 41, 742, 00 , 15:30:03, 05-Jul-2018
27, 27.71, 34.6, 43, 742, 00 , 15:45:03, 05-Jul-2018
28, 28.11, 34.0, 46, 742, 00 , 16:00:03, 05-Jul-2018
29, 24.03, 34.0, 49, 742, 00 , 16:15:03, 05-Jul-2018
30, 25.08, 34.0, 49, 742, 00 , 16:30:03, 05-Jul-2018
31, 25.62, 34.3, 49, 742, 00 , 16:45:03, 05-Jul-2018

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2, 18.80, 28.9, 62, 744, 00 , 09:30:03, 05-Jul-2018
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4, 22.01, 38.5, 36, 744, 00 , 10:00:03, 05-Jul-2018
5, 23.41, 42.3, 28, 744, 00 , 10:15:03, 05-Jul-2018
6, 19.40, 44.8, 25, 744, 00 , 10:30:03, 05-Jul-2018
7, 21.99, 47.0, 22, 744, 00 , 10:45:03, 05-Jul-2018
8, 22.35, 48.2, 20, 744, 00 , 11:00:03, 05-Jul-2018
9, 21.47, 48.3, 20, 744, 00 , 11:15:03, 05-Jul-2018
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13, 21.34, 42.7, 27, 744, 00 , 12:15:03, 05-Jul-2018
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26, 23.33, 36.5, 38, 742, 00 , 15:30:03, 05-Jul-2018
27, 26.74, 35.7, 40, 742, 00 , 15:45:03, 05-Jul-2018
28, 35.12, 35.0, 42, 742, 00 , 16:00:03, 05-Jul-2018
29, 22.03, 34.6, 44, 742, 00 , 16:15:03, 05-Jul-2018
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31, 25.05, 34.5, 46, 742, 00 , 16:45:03, 05-Jul-2018

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4, 24.52, 35.1, 47, 746, 00 , 10:00:03, 05-Jul-2018
5, 22.65, 37.9, 40, 746, 00 , 10:15:03, 05-Jul-2018
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7, 26.91, 41.3, 34, 746, 00 , 10:45:03, 05-Jul-2018
8, 21.75, 42.4, 32, 746, 00 , 11:00:03, 05-Jul-2018
9, 20.52, 43.5, 30, 746, 00 , 11:15:03, 05-Jul-2018
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19, 41.72, 40.6, 35, 744, 00 , 13:45:03, 05-Jul-2018
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21, 19.47, 41.8, 34, 744, 00 , 14:15:03, 05-Jul-2018
22, 18.69, 41.8, 33, 744, 00 , 14:30:03, 05-Jul-2018
23, 18.18, 41.0, 34, 744, 00 , 14:45:03, 05-Jul-2018
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25, 16.93, 40.0, 35, 744, 00 , 15:15:03, 05-Jul-2018
26, 17.35, 39.2, 36, 744, 00 , 15:30:03, 05-Jul-2018
27, 17.87, 38.1, 38, 744, 00 , 15:45:03, 05-Jul-2018
28, 18.59, 37.3, 41, 744, 00 , 16:00:03, 05-Jul-2018
29, 21.98, 37.0, 42, 742, 00 , 16:15:03, 05-Jul-2018
30, 23.20, 36.8, 44, 742, 00 , 16:30:03, 05-Jul-2018
31, 25.70, 37.0, 44, 742, 00 , 16:45:03, 05-Jul-2018
32, 24.69, 38.0, 42, 742, 00 , 17:00:03, 05-Jul-2018

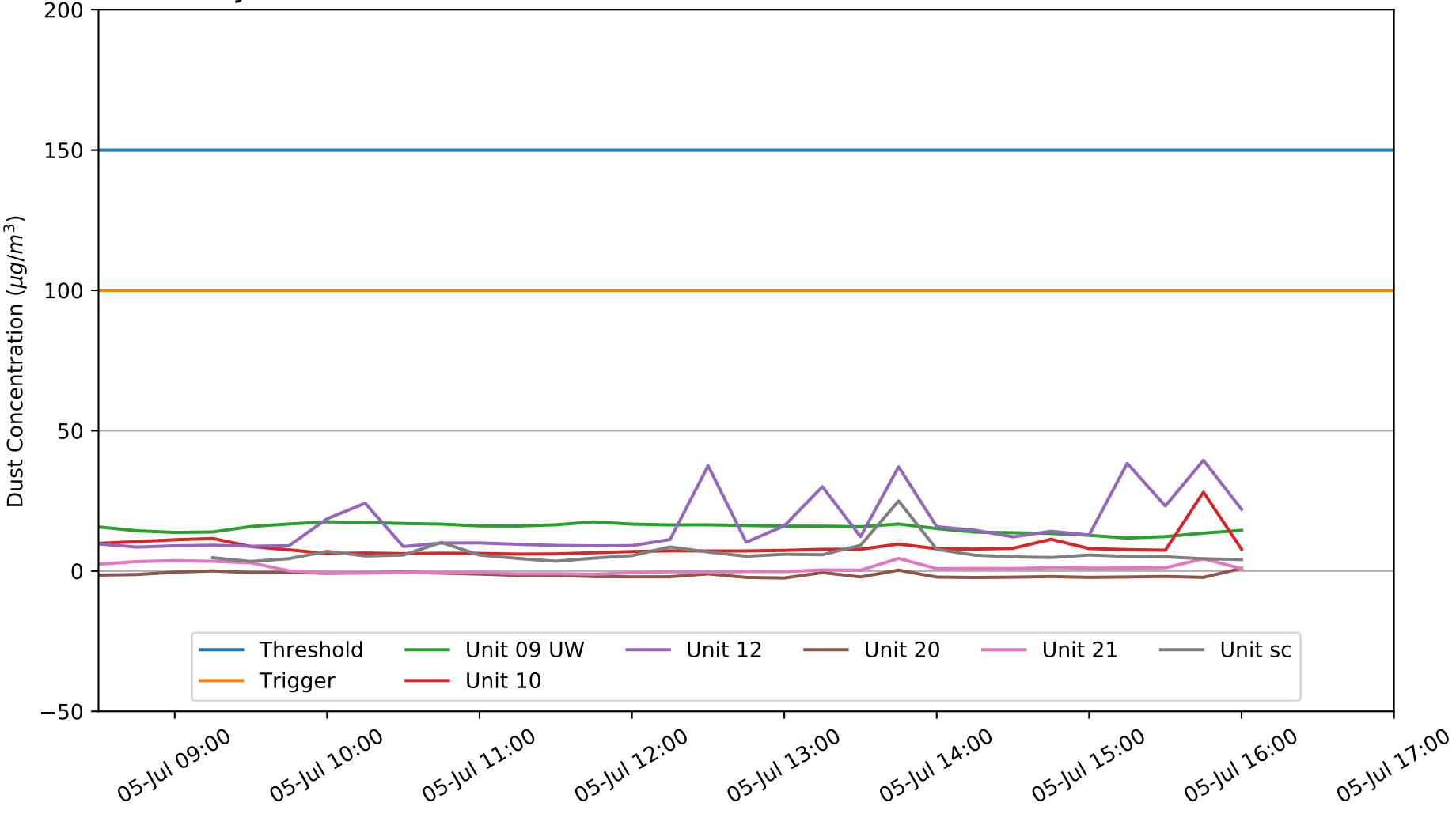
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19, 23.13, 39.7, 35, 744, 00 , 13:45:03, 05-Jul-2018
20, 22.14, 39.8, 36, 744, 00 , 14:00:03, 05-Jul-2018
21, 19.04, 41.4, 35, 744, 00 , 14:15:03, 05-Jul-2018
22, 20.18, 41.8, 32, 744, 00 , 14:30:03, 05-Jul-2018
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26, 17.88, 37.0, 38, 744, 00 , 15:30:03, 05-Jul-2018
27, 17.59, 36.4, 40, 742, 00 , 15:45:03, 05-Jul-2018
28, 20.39, 35.9, 42, 742, 00 , 16:00:03, 05-Jul-2018
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30, 24.62, 34.5, 47, 744, 00 , 16:30:03, 05-Jul-2018
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4, 36.41, 22.8, 68, 748, 02 , 10:00:03, 05-Jul-2018
5, 40.76, 23.4, 67, 748, 02 , 10:15:03, 05-Jul-2018
6, 26.19, 24.1, 65, 748, 00 , 10:30:03, 05-Jul-2018
7, 24.64, 24.8, 63, 746, 02 , 10:45:03, 05-Jul-2018
8, 27.92, 25.5, 61, 746, 02 , 11:00:03, 05-Jul-2018
9, 25.88, 26.2, 56, 746, 02 , 11:15:03, 05-Jul-2018
10, 25.08, 26.7, 55, 746, 02 , 11:30:03, 05-Jul-2018
11, 26.18, 27.2, 54, 746, 02 , 11:45:03, 05-Jul-2018
12, 27.58, 27.8, 53, 746, 02 , 12:00:03, 05-Jul-2018
13, 24.27, 28.2, 52, 746, 02 , 12:15:03, 05-Jul-2018
14, 28.79, 28.6, 50, 746, 02 , 12:30:03, 05-Jul-2018
15, 24.57, 28.8, 50, 746, 02 , 12:45:03, 05-Jul-2018
16, 26.74, 29.0, 49, 746, 02 , 13:00:03, 05-Jul-2018
17, 29.09, 29.0, 50, 746, 02 , 13:15:03, 05-Jul-2018
18, 27.31, 29.1, 50, 746, 02 , 13:30:03, 05-Jul-2018
19, 29.30, 29.2, 49, 746, 02 , 13:45:03, 05-Jul-2018
20, 32.23, 29.4, 50, 746, 02 , 14:00:03, 05-Jul-2018
21, 29.22, 29.9, 48, 746, 02 , 14:15:03, 05-Jul-2018
22, 26.81, 30.0, 46, 746, 02 , 14:30:03, 05-Jul-2018
23, 36.48, 29.9, 47, 746, 02 , 14:45:03, 05-Jul-2018
24, 34.57, 30.0, 47, 746, 02 , 15:00:03, 05-Jul-2018
25, 43.18, 29.8, 47, 746, 02 , 15:15:03, 05-Jul-2018
26, 27.98, 29.5, 47, 746, 02 , 15:30:03, 05-Jul-2018
27, 29.84, 29.0, 48, 744, 02 , 15:45:03, 05-Jul-2018
28, 30.21, 28.8, 50, 744, 02 , 16:00:03, 05-Jul-2018
29, 21.43, 28.9, 53, 744, 02 , 16:15:03, 05-Jul-2018
30, 28.26, 29.0, 52, 744, 02 , 16:30:03, 05-Jul-2018
31, 29.41, 29.4, 51, 744, 02 , 16:45:03, 05-Jul-2018
32, 24.42, 31.5, 46, 744, 02 , 17:00:03, 05-Jul-2018

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"Avg point ", 25.410798
"ALARM   ", "INSTANT "
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"Errors   ", 0000
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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 17.23, 26.3, 73, 748, 01 , 09:15:03, 05-Jul-2018
2, 18.06, 29.0, 67, 748, 01 , 09:30:03, 05-Jul-2018
3, 20.88, 31.2, 58, 748, 01 , 09:45:03, 05-Jul-2018
4, 25.17, 33.2, 52, 748, 01 , 10:00:03, 05-Jul-2018
5, 26.66, 34.6, 48, 748, 01 , 10:15:03, 05-Jul-2018
6, 23.85, 36.2, 44, 748, 01 , 10:30:03, 05-Jul-2018
7, 26.34, 37.5, 41, 748, 01 , 10:45:03, 05-Jul-2018
8, 23.12, 38.0, 40, 748, 01 , 11:00:03, 05-Jul-2018
9, 22.26, 38.7, 37, 748, 01 , 11:15:03, 05-Jul-2018
10, 51.23, 39.5, 36, 748, 01 , 11:30:03, 05-Jul-2018
11, 22.70, 39.3, 37, 746, 01 , 11:45:03, 05-Jul-2018
12, 29.70, 39.7, 36, 746, 01 , 12:00:03, 05-Jul-2018
13, 42.52, 39.8, 36, 746, 01 , 12:15:03, 05-Jul-2018
14, 30.27, 40.2, 35, 746, 01 , 12:30:03, 05-Jul-2018
15, 22.28, 39.8, 36, 746, 01 , 12:45:03, 05-Jul-2018
16, 27.48, 40.0, 36, 746, 01 , 13:00:03, 05-Jul-2018
17, 23.48, 39.4, 37, 746, 01 , 13:15:03, 05-Jul-2018
18, 21.45, 39.2, 38, 746, 01 , 13:30:03, 05-Jul-2018
19, 33.26, 39.0, 38, 746, 01 , 13:45:03, 05-Jul-2018
20, 23.04, 39.2, 38, 746, 01 , 14:00:03, 05-Jul-2018
21, 20.84, 39.7, 37, 746, 01 , 14:15:03, 05-Jul-2018
22, 26.38, 39.3, 37, 746, 01 , 14:30:03, 05-Jul-2018
23, 21.35, 38.9, 38, 746, 01 , 14:45:03, 05-Jul-2018
24, 27.04, 38.6, 38, 746, 01 , 15:00:03, 05-Jul-2018
25, 23.84, 38.1, 39, 746, 01 , 15:15:03, 05-Jul-2018
26, 26.12, 37.6, 39, 746, 01 , 15:30:03, 05-Jul-2018
27, 19.52, 37.0, 40, 744, 01 , 15:45:03, 05-Jul-2018
28, 19.66, 36.4, 43, 744, 01 , 16:00:03, 05-Jul-2018
29, 22.38, 36.2, 45, 744, 01 , 16:15:03, 05-Jul-2018
30, 25.02, 36.0, 46, 744, 01 , 16:30:03, 05-Jul-2018
31, 26.54, 35.8, 47, 744, 01 , 16:45:03, 05-Jul-2018
32, 24.46, 36.4, 46, 744, 01 , 17:00:03, 05-Jul-2018
33, 24.44, 36.8, 45, 744, 01 , 17:15:03, 05-Jul-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 05-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 05-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 12	Unit 09 UW	Unit 10	Unit 20	Unit 21	Unit sc	Threshold	Trigger
2018-07-05 08:30:00	9.65	15.72	9.85	-1.46	2.41		150	100
2018-07-05 08:45:00	8.52	14.34	10.47	-1.24	3.36		150	100
2018-07-05 09:00:00	8.99	13.74	11.13	-0.41	3.69		150	100
2018-07-05 09:15:00	9.18	13.91	11.59	0.04	3.46	4.72	150	100
2018-07-05 09:30:00	8.83	15.85	8.72	-0.53	2.92	3.39	150	100
2018-07-05 09:45:00	9.02	16.77	7.55	-0.49	0.05	4.4	150	100
2018-07-05 10:00:00	18.62	17.52	6.21	-0.8	-0.56	7	150	100
2018-07-05 10:15:00	24.16	17.3	6.41	-0.66	-0.7	5.35	150	100
2018-07-05 10:30:00	8.72	16.92	6.19	-0.41	-0.55	5.67	150	100
2018-07-05 10:45:00	9.97	16.72	6.34	-0.74	-0.59	10.19	150	100
2018-07-05 11:00:00	10.01	16.07	6.27	-1.08	-0.57	5.68	150	100
2018-07-05 11:15:00	9.52	16.03	6.03	-1.54	-1	4.49	150	100
2018-07-05 11:30:00	9.13	16.46	6.09	-1.55	-0.96	3.48	150	100
2018-07-05 11:45:00	8.97	17.51	6.52	-1.97	-1.17	4.59	150	100
2018-07-05 12:00:00	9.05	16.71	6.93	-2.07	-0.63	5.48	150	100
2018-07-05 12:15:00	11.2	16.43	7.19	-2.04	-0.24	8.57	150	100
2018-07-05 12:30:00	37.51	16.46	7.14	-1.02	-0.39	6.78	150	100
2018-07-05 12:45:00	10.25	16.22	7.15	-2.27	-0.16	5.25	150	100
2018-07-05 13:00:00	16.12	15.98	7.35	-2.49	-0.22	5.97	150	100
2018-07-05 13:15:00	30.05	15.97	7.73	-0.55	0.38	5.8	150	100
2018-07-05 13:30:00	12.23	15.78	7.76	-2.11	0.29	9.15	150	100
2018-07-05 13:45:00	37.14	16.75	9.6	0.31	4.49	24.97	150	100
2018-07-05 14:00:00	15.78	15.12	7.93	-2.16	0.82	7.73	150	100
2018-07-05 14:15:00	14.54	13.85	7.8	-2.31	0.91	5.62	150	100
2018-07-05 14:30:00	12.17	13.64	8.08	-2.19	0.86	5.05	150	100
2018-07-05 14:45:00	14.16	13.38	11.31	-1.98	1.17	4.8	150	100
2018-07-05 15:00:00	12.81	12.73	7.99	-2.26	1.03	5.7	150	100
2018-07-05 15:15:00	38.36	11.74	7.63	-2.12	1.07	5.19	150	100
2018-07-05 15:30:00	23.17	12.27	7.41	-1.94	1.14	5.08	150	100
2018-07-05 15:45:00	39.45	13.51	28.1	-2.26	4.35	4.36	150	100
2018-07-05 16:00:00	21.98	14.49	7.77	0.94	0.84	4.1	150	100
2018-07-05 16:15:00							150	100
2018-07-05 16:30:00							150	100
2018-07-05 16:45:00							150	100
2018-07-05 17:00:00							150	100

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"Max Disp @ ", 13:48:05 05-Jul-2018
"Max STEL ", 61.813731
"Max STEL @ ", 15:51:33 05-Jul-2018
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"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
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2, 22.86, 22.5, 74, 746, 00 , 08:50:03, 05-Jul-2018
3, 22.73, 23.3, 73, 746, 00 , 09:05:03, 05-Jul-2018
4, 23.09, 24.0, 71, 746, 00 , 09:20:03, 05-Jul-2018
5, 24.68, 24.8, 67, 746, 00 , 09:35:03, 05-Jul-2018
6, 25.79, 25.3, 65, 746, 00 , 09:50:03, 05-Jul-2018
7, 36.14, 25.8, 64, 746, 00 , 10:05:03, 05-Jul-2018
8, 41.46, 26.5, 63, 746, 00 , 10:20:03, 05-Jul-2018
9, 25.64, 27.9, 59, 746, 00 , 10:35:03, 05-Jul-2018
10, 26.69, 29.0, 56, 746, 00 , 10:50:03, 05-Jul-2018
11, 26.08, 29.8, 53, 746, 00 , 11:05:03, 05-Jul-2018
12, 25.55, 30.0, 52, 746, 00 , 11:20:03, 05-Jul-2018
13, 25.59, 30.3, 51, 746, 00 , 11:35:03, 05-Jul-2018
14, 26.48, 30.4, 52, 746, 00 , 11:50:03, 05-Jul-2018
15, 25.76, 30.9, 50, 746, 00 , 12:05:03, 05-Jul-2018
16, 27.63, 31.3, 49, 746, 00 , 12:20:03, 05-Jul-2018
17, 53.97, 31.7, 48, 746, 00 , 12:35:03, 05-Jul-2018
18, 26.47, 32.2, 47, 746, 00 , 12:50:03, 05-Jul-2018
19, 32.10, 32.2, 46, 746, 00 , 13:05:03, 05-Jul-2018
20, 46.02, 31.6, 49, 746, 01 , 13:20:03, 05-Jul-2018
21, 28.01, 31.7, 48, 746, 00 , 13:35:03, 05-Jul-2018
22, 53.89, 31.8, 48, 746, 00 , 13:50:03, 05-Jul-2018
23, 30.90, 32.4, 49, 746, 00 , 14:05:03, 05-Jul-2018
24, 28.39, 32.8, 46, 744, 00 , 14:20:03, 05-Jul-2018
25, 25.81, 32.3, 47, 744, 00 , 14:35:03, 05-Jul-2018
26, 27.54, 32.2, 47, 744, 00 , 14:50:03, 05-Jul-2018
27, 25.54, 31.9, 47, 744, 00 , 15:05:03, 05-Jul-2018
28, 50.10, 31.5, 48, 744, 00 , 15:20:03, 05-Jul-2018
29, 35.44, 30.7, 48, 744, 00 , 15:35:03, 05-Jul-2018
30, 52.96, 29.9, 51, 744, 00 , 15:50:03, 05-Jul-2018
31, 36.47, 29.7, 56, 744, 00 , 16:05:03, 05-Jul-2018

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"Max STEL   ", 17.761753
"Max STEL @ ", 10:13:44 05-Jul-2018
"Avg point ", 15.352272
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 15.72, 25.7, 62, 744, 01 , 08:35:24, 05-Jul-2018
2, 14.34, 26.9, 66, 744, 00 , 08:50:24, 05-Jul-2018
3, 13.74, 28.0, 67, 744, 00 , 09:05:24, 05-Jul-2018
4, 13.91, 29.2, 67, 744, 00 , 09:20:24, 05-Jul-2018
5, 15.85, 30.9, 60, 744, 00 , 09:35:24, 05-Jul-2018
6, 16.77, 32.0, 56, 744, 00 , 09:50:24, 05-Jul-2018
7, 17.52, 32.9, 54, 744, 00 , 10:05:24, 05-Jul-2018
8, 17.30, 33.7, 52, 744, 00 , 10:20:24, 05-Jul-2018
9, 16.92, 34.9, 51, 744, 00 , 10:35:24, 05-Jul-2018
10, 16.72, 36.0, 49, 744, 00 , 10:50:24, 05-Jul-2018
11, 16.07, 37.0, 47, 744, 00 , 11:05:24, 05-Jul-2018
12, 16.03, 37.7, 45, 744, 00 , 11:20:24, 05-Jul-2018
13, 16.46, 38.3, 44, 744, 00 , 11:35:24, 05-Jul-2018
14, 17.51, 38.4, 44, 744, 00 , 11:50:24, 05-Jul-2018
15, 16.71, 39.1, 43, 744, 00 , 12:05:24, 05-Jul-2018
16, 16.43, 39.5, 42, 744, 00 , 12:20:24, 05-Jul-2018
17, 16.46, 40.0, 41, 744, 00 , 12:35:24, 05-Jul-2018
18, 16.22, 40.4, 40, 744, 00 , 12:50:24, 05-Jul-2018
19, 15.98, 40.1, 40, 744, 00 , 13:05:24, 05-Jul-2018
20, 15.97, 39.2, 42, 744, 00 , 13:20:24, 05-Jul-2018
21, 15.78, 39.3, 42, 744, 00 , 13:35:24, 05-Jul-2018
22, 16.75, 39.2, 42, 744, 00 , 13:50:24, 05-Jul-2018
23, 15.12, 39.8, 43, 744, 00 , 14:05:24, 05-Jul-2018
24, 13.85, 40.0, 40, 744, 00 , 14:20:24, 05-Jul-2018
25, 13.64, 39.5, 41, 744, 00 , 14:35:24, 05-Jul-2018
26, 13.38, 39.5, 42, 744, 00 , 14:50:24, 05-Jul-2018
27, 12.73, 39.2, 41, 744, 00 , 15:05:24, 05-Jul-2018
28, 11.74, 38.6, 41, 742, 00 , 15:20:24, 05-Jul-2018
29, 12.27, 37.4, 42, 742, 00 , 15:35:24, 05-Jul-2018
30, 13.51, 36.2, 45, 742, 00 , 15:50:24, 05-Jul-2018
31, 14.49, 35.7, 49, 742, 00 , 16:05:24, 05-Jul-2018

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"Max Disp @ ", 15:45:44 05-Jul-2018
"Max STEL ", 42.380657
"Max STEL @ ", 16:00:33 05-Jul-2018
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"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "site 10"
record, "1/Mm ", Temp, RHumidity, AtmoPressure, Flags
1, 25.57, 24.5, 68, 746, 00 , 08:35:03, 05-Jul-2018
2, 24.81, 25.3, 70, 746, 00 , 08:50:03, 05-Jul-2018
3, 24.87, 26.2, 67, 746, 00 , 09:05:03, 05-Jul-2018
4, 25.50, 27.3, 65, 746, 00 , 09:20:03, 05-Jul-2018
5, 24.57, 29.9, 57, 746, 00 , 09:35:03, 05-Jul-2018
6, 24.32, 32.4, 49, 746, 00 , 09:50:03, 05-Jul-2018
7, 23.73, 35.5, 41, 744, 00 , 10:05:03, 05-Jul-2018
8, 23.71, 37.5, 37, 744, 00 , 10:20:03, 05-Jul-2018
9, 23.11, 39.3, 35, 744, 00 , 10:35:03, 05-Jul-2018
10, 23.06, 40.8, 32, 744, 00 , 10:50:03, 05-Jul-2018
11, 22.34, 41.9, 30, 744, 00 , 11:05:03, 05-Jul-2018
12, 22.06, 42.5, 28, 744, 00 , 11:20:03, 05-Jul-2018
13, 22.55, 42.8, 28, 744, 00 , 11:35:03, 05-Jul-2018
14, 24.03, 41.8, 30, 744, 00 , 11:50:03, 05-Jul-2018
15, 23.64, 41.8, 29, 744, 00 , 12:05:03, 05-Jul-2018
16, 23.62, 41.5, 30, 744, 00 , 12:20:03, 05-Jul-2018
17, 23.60, 41.1, 30, 744, 00 , 12:35:03, 05-Jul-2018
18, 23.37, 40.8, 31, 744, 00 , 12:50:03, 05-Jul-2018
19, 23.33, 40.3, 31, 744, 00 , 13:05:03, 05-Jul-2018
20, 23.70, 39.0, 34, 744, 00 , 13:20:03, 05-Jul-2018
21, 23.54, 39.0, 34, 744, 00 , 13:35:03, 05-Jul-2018
22, 26.35, 38.8, 35, 744, 00 , 13:50:03, 05-Jul-2018
23, 23.05, 39.2, 36, 744, 00 , 14:05:03, 05-Jul-2018
24, 21.65, 39.3, 34, 744, 00 , 14:20:03, 05-Jul-2018
25, 21.72, 38.7, 34, 742, 00 , 14:35:03, 05-Jul-2018
26, 24.69, 38.5, 35, 742, 00 , 14:50:03, 05-Jul-2018
27, 20.72, 37.8, 35, 742, 00 , 15:05:03, 05-Jul-2018
28, 19.37, 37.3, 36, 742, 00 , 15:20:03, 05-Jul-2018
29, 19.68, 36.2, 37, 742, 00 , 15:35:03, 05-Jul-2018
30, 41.61, 35.1, 40, 742, 00 , 15:50:03, 05-Jul-2018
31, 22.26, 34.7, 43, 742, 00 , 16:05:03, 05-Jul-2018

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"Unit ", 0
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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 15:51:00 05-Jul-2018
"Max STEL ", 17.110832
"Max STEL @ ", 13:48:48 05-Jul-2018
"Avg point ", 14.017327
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 14.26, 23.4, 67, 746, 01 , 08:35:18, 05-Jul-2018
2, 13.10, 24.2, 67, 746, 00 , 08:50:18, 05-Jul-2018
3, 13.33, 25.0, 65, 746, 00 , 09:05:18, 05-Jul-2018
4, 13.95, 25.7, 64, 746, 00 , 09:20:18, 05-Jul-2018
5, 15.32, 26.4, 59, 746, 00 , 09:35:18, 05-Jul-2018
6, 16.28, 26.7, 58, 746, 00 , 09:50:18, 05-Jul-2018
7, 16.72, 26.8, 57, 746, 00 , 10:05:18, 05-Jul-2018
8, 16.64, 27.2, 57, 746, 00 , 10:20:18, 05-Jul-2018
9, 16.51, 28.0, 55, 746, 00 , 10:35:18, 05-Jul-2018
10, 15.98, 29.0, 53, 746, 00 , 10:50:18, 05-Jul-2018
11, 14.99, 30.3, 46, 746, 00 , 11:05:18, 05-Jul-2018
12, 14.49, 31.0, 44, 746, 00 , 11:20:18, 05-Jul-2018
13, 14.91, 31.5, 42, 746, 00 , 11:35:18, 05-Jul-2018
14, 15.54, 31.8, 42, 746, 00 , 11:50:18, 05-Jul-2018
15, 14.64, 32.6, 40, 746, 00 , 12:05:18, 05-Jul-2018
16, 14.39, 33.3, 38, 746, 00 , 12:20:18, 05-Jul-2018
17, 15.44, 34.1, 37, 746, 00 , 12:35:18, 05-Jul-2018
18, 13.95, 34.7, 35, 746, 00 , 12:50:18, 05-Jul-2018
19, 13.49, 34.4, 35, 746, 00 , 13:05:18, 05-Jul-2018
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DAILY OBSERVATION REPORT

Report No.:	29	Project File:	MN0832D	Date:	7/6/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — *an affiliate of Geosyntec Consultants*

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: James Burnett

Site Representative: Matt Schallinger

Arrive at Site: 0645hrs. Leave Site: 1830 hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Mostly Cloudy	am	Mostly Sunny	pm
Temperature:	75° F	am	79° F	pm
Wind Direction:	5 SW	am	14 NNW	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☒	No ☐	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 29 Project File: MN0832D Date: 7/6/2018

Materials Imported and Removed from Work Areas

Soil Removal:

Total Loads today: 8 Total Loads to date: 74

Weight: 200 tons Total Weight to date: ~1742 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 15

Weight: 0 Tons Total Weight to date: ~293 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: 0Tons Total Weight to date: 132 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: 95

Weight: 0 Tons Total Weight to date: 2019 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0645. Attended Recon safety meeting. Matthew Schallinger, Hannah Zafar, Jim Bannantine, Elizabeth Lee and Jim Burnett were on site. Held initial tailgate safety meeting for Geosyntec. Reviewed tasks and plan for the day.
- HZ and MS calibrate and deploy dust monitors.
- MS finds out answer to DEC's inquiry of what is in the red roll-off in the MSA. It is soil cuttings form OS2 IRM PDI work from October 2017. MS notified Recon that it should be disposed of.
- JB and EL organized and collected samples with the DPT rig. Plywood was used as a barrier between the TSCA layer and the DPT rig. Boot covers were worn while collecting samples in the exposed TSCA area. Samples were characterized and placed on ice.
- Recon excavated 4-10' bgs non-haz material in phase one and transported the material to the non-haz staging area in the MSA.

Report No.:	29	Project File:	MN0832D	Date:	7/6/2018

- Recon excavated 8-12’ bgs TSCA material west of center line in phase one. This material was staged in the TSCA accumulation pile.
- A total of 8 TSCA trucks were loaded and shipped offsite today. The loading process started in the morning and continued into the early afternoon. Trucks were washed with water on the decon pad before leaving the site.
- JB observes loading of trucks and issues manifests once the trucks have been inspected.
- MS conducts excavation QC with Rich of Recon.
- The water line was uncovered around noon at about 10 feet bgs. It was marked with blue paint and hand cleared to facilitate further excavation with the backhoe. The water line appears to be made of steel.
- All trucks leaving the RPL and the MSA were decontaminated before entering the haul road.

PM

- Recon continued to excavate hazardous and non-hazardous material.
- The upwind dust monitors were relocated to the north side of the RPL and MSA to accommodate the change in wind direction.
- Recon sprayed water along the haul road and the TSCA accumulation pile several times during the day.
- EL and JB finished collecting confirmation samples.
- Recon and Geosyntec hold teleconference call on how to support utility lines and discuss sloping approach for phase one excavation.
- Recon began covering piles around 1600 and securing the site.
- MS conducts SWPP inspection and notifies Addison of Recon on need to place additional straw wattle in a small section on the western edge of the RPL.

Report No.: 29 Project File: MN0832D Date: 7/6/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Patrick Carr
- Brian Kilkenny
- Addison Hofferth
- Brian Balog
- Scott Early
- Rich Tonnucour
- (Recon labor) X18

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- 8x40 Office Trailer
- Portable Toilets
- Hand Wash Stations
- ST-197 Dodge Ram Work Truck
- 8x20 Storage Box
- Trimble GPS System (Base, Rover, Data Collector)
- 8x20 Office Trailer
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 Containments
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Vibratory Hammer
- Roller
- Site F250

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	DEC	Yes
Amanda Castignetti	Sterling	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Substantial Completion Date: NA
Completion Date: NA

ITEMS OF CONCERN:

- Dust monitoring in the MSA reported a brief threshold exceedance around 1500 hours. The upwind monitor was shifted to the north side by this time. It was observed that dust clouds have been emanating from STCC's property throughout the day. Recon continued to apply water to haul roads and piles throughout the day.
- Geosyntec was unable to generate a graph for dust monitoring in the RPL due to a malfunction in the upwind dust monitor. It was noted that this monitor was recording throughout the day yet Geosyntec was unable to pull

Report No.: 29 Project File: MN0832D Date: 7/6/2018

the data from the device. Geosyntec will deploy a replacement monitor and troubleshoot the device. Data from the other RPL monitors reported no exceedances.

- Analytical results for PCB confirmation sample at 4-6 ft bgs at location B1212 were received after work had been completed for the day. A preliminary result of 100 mg/kg total PCBs indicated that the area bounded by B372, B836, B923, B955 and B914 will be designated for disposal as TSCA material. This area may include a portion of the non-hazardous soil excavated 4 to 10 ft bgs near the EHS building. The excavation will be inspected tomorrow to determine the estimated volume of excavated TSCA soil that was mistakenly placed in the MSA earlier today. The area where the TSCA soil was placed will be over-excavated and those soils will be placed in the TSCA Accumulation Area for off-Site disposal on 8 July 2018. That area in the MSA where the TSCA soil was placed should be identifiable given the recent placement. Geosyntec and Recon will review excavation plans daily and excavation will not proceed in areas where pre-delineation is incomplete. Excavation plans are being updated as analytical data are received.

Site Representative: M. Schallinger Date: 7/6/2018

Name: (*signature*) 

:

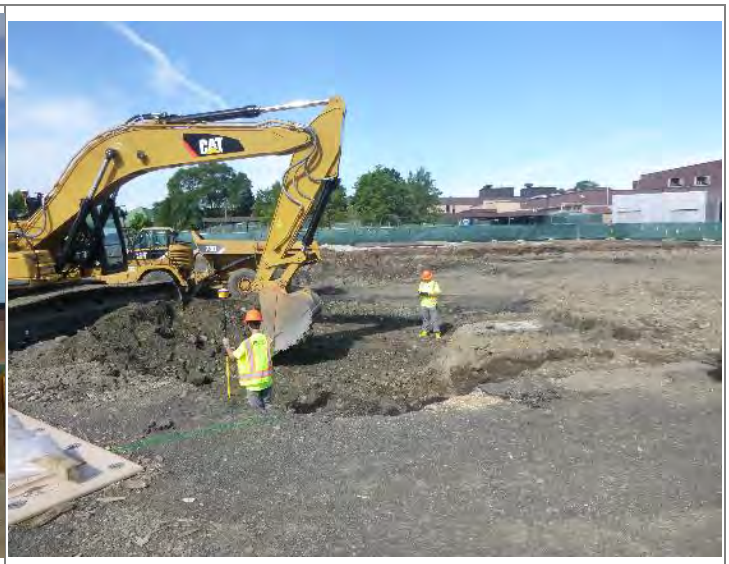
Report No.:	29	Project File:	MN0832D	Date:	7/6/2018

Photo Log

Date : 7/06/2018



Loading of TSCA material using a diaper.



Recon surveying the current extent of excavation.



Dump truck going through truck wash on the way to the MSA.



Recon preparing to cover pile in the MSA.

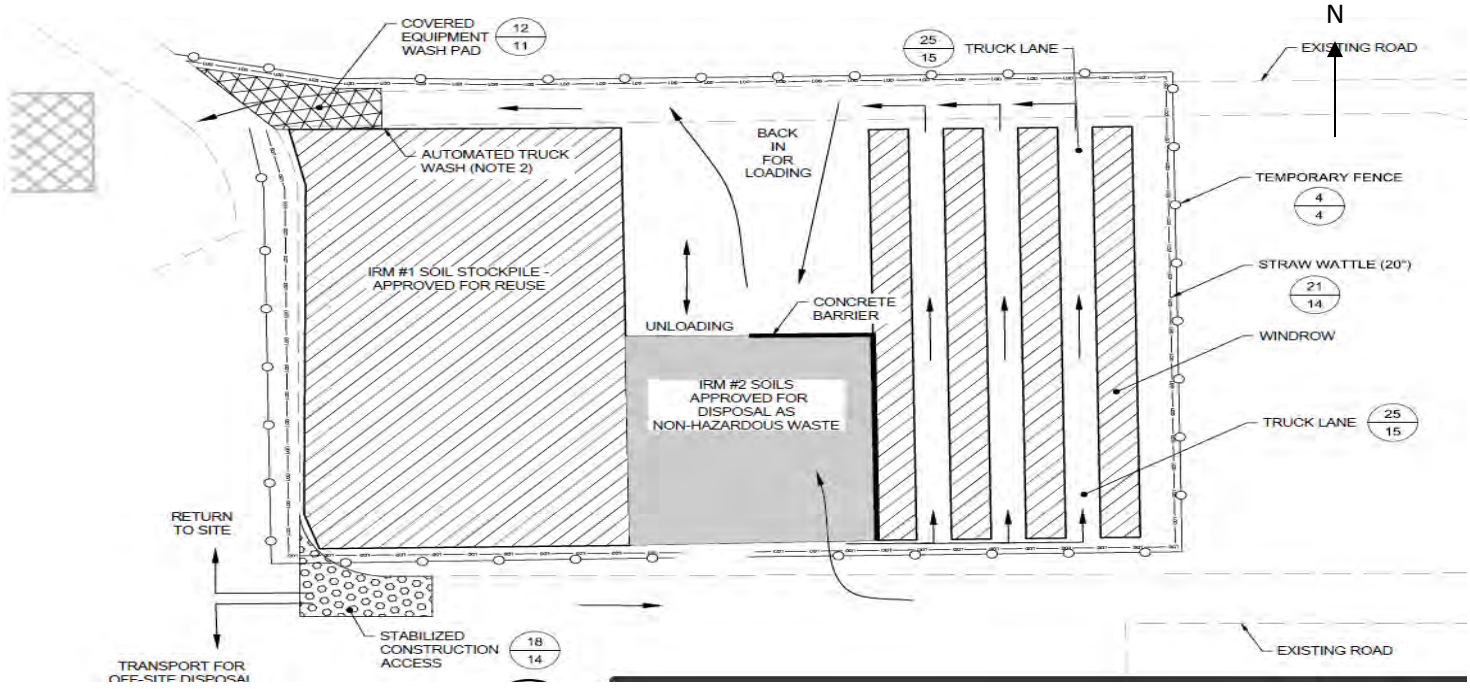
Report No.:	29	Project File:	MN0832D	Date:	7/6/2018

Site Map

Rear Parking Lot



MSA



Area that may have been excavated as non-haz and taken to the MSA.

Area to be designated as TSCA

100 ppm

Legend

- Confirmation Sampling Location - PCBs (Sidewall)
- Confirmation Sampling Location - PCBs (Bottom)

Total PCB Results Soil (2018 PDI)
- 0 - 1 mg/kg
- 1 - 10 mg/kg
- 10 - 50 mg/kg
- > 50 mg/kg

Total PCB Results Soil (Historic)
- Non-Detect
- 0 - 1 mg/kg
- 1 - 10 mg/kg
- 10 - 50 mg/kg
- > 50 mg/kg

Waste Characterization Sample (PDI)
- Lead TCLP Non-Detect
- Lead TCLP Detect < 5 mg/L

Excavation Classification
- Non-Hazardous
- TSCA
- Bottom of 2-4 Foot Excavation
- Bottom of 2-4 Foot TSCA

- Pre-Delineated
- Not Pre-Delineated

Utilities
- Natural Gas
- Electric
- Water
- Storm Sewer

Notes
"SSHS-" prefix removed from locations.
PDI - Predesign Investigation
ft bgs - Feet below ground surface
Proposed PCB confirmation samples labeled with distance between existing samples.
Aerial imagery provided by ArcGIS Online.

N

0 40 Feet

Proposed Excavation
Rear Parking Lot (4-6 ft bgs)

Former Sperry Remington Site North Portion IRM#2
Elmira, New York

Beech and Bonaparte engineering p.c.
an affiliate of Geosyntec Consultants

Columbia, Maryland | June 2018

Figure 7

T:\GIS\Elmira - MN0832\Maps\NYDEC AOCs\IRM_2018\IRM_WP_REV_JUN\Figure 7 - Proposed Excavation - 4-6.mxd 6/22/2018 11:49:48 AM

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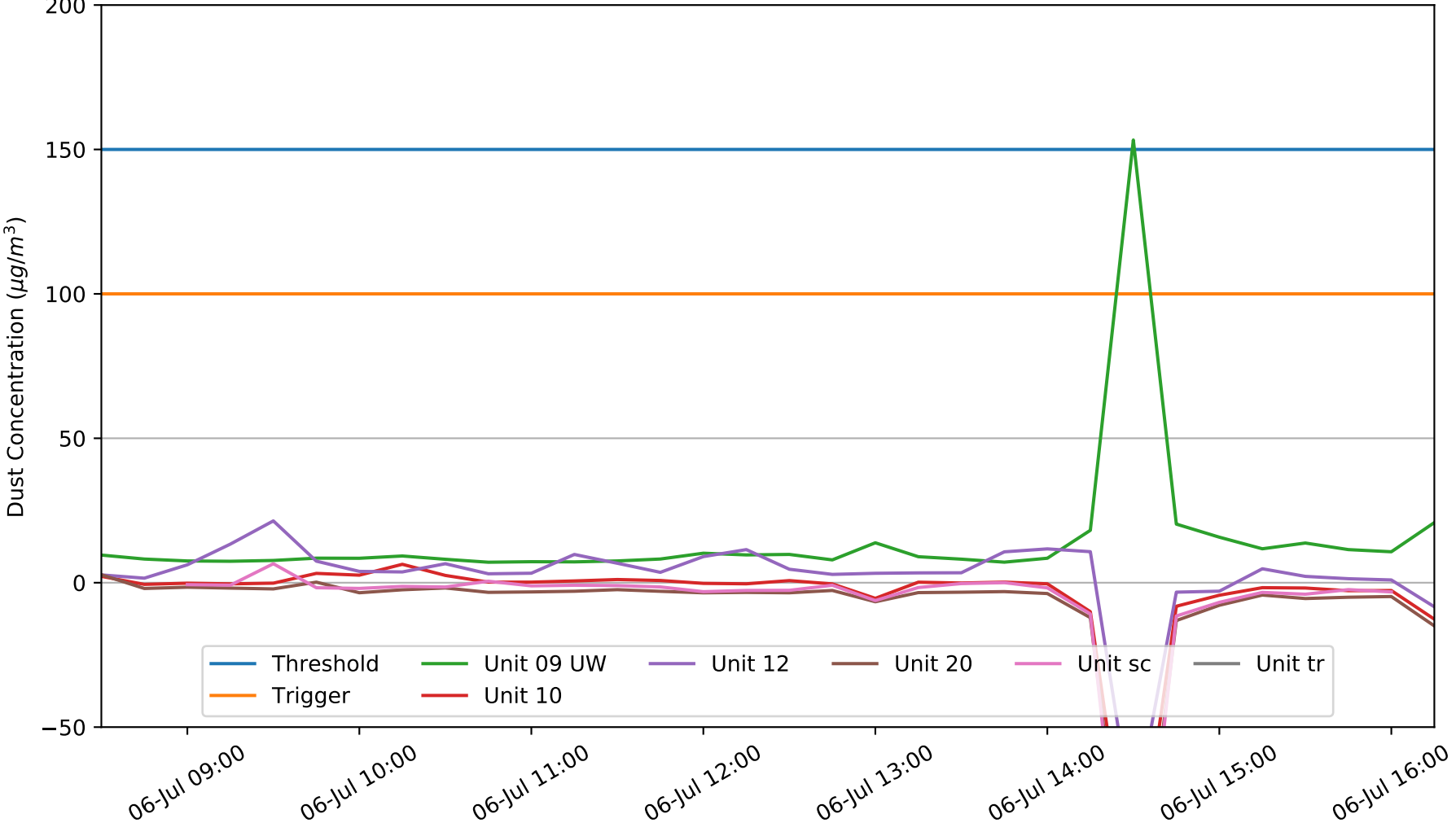
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23, 26.11, 32.5, 28, 742, 00 , 14:30:03, 06-Jul-2018
24, 15.67, 32.6, 32, 742, 00 , 14:45:03, 06-Jul-2018
25, 17.07, 31.9, 33, 742, 00 , 15:00:03, 06-Jul-2018
26, 10.60, 30.6, 36, 742, 00 , 15:15:03, 06-Jul-2018
27, 21.77, 30.1, 35, 742, 00 , 15:30:03, 06-Jul-2018
28, 10.24, 30.4, 37, 742, 00 , 15:45:03, 06-Jul-2018
29, 10.30, 29.8, 37, 742, 00 , 16:00:03, 06-Jul-2018

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"ALARM ", "INSTANT "
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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
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2, 6.45, 26.7, 45, 742, 00 , 09:15:03, 06-Jul-2018
3, 6.33, 29.9, 38, 742, 00 , 09:30:03, 06-Jul-2018
4, 7.37, 33.2, 32, 742, 00 , 09:45:03, 06-Jul-2018
5, 7.28, 34.8, 29, 742, 00 , 10:00:03, 06-Jul-2018
6, 7.33, 35.9, 28, 742, 00 , 10:15:03, 06-Jul-2018
7, 7.37, 36.8, 27, 742, 00 , 10:30:03, 06-Jul-2018
8, 7.05, 35.7, 28, 742, 00 , 10:45:03, 06-Jul-2018
9, 9.16, 34.4, 30, 742, 00 , 11:00:03, 06-Jul-2018
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11, 6.85, 33.3, 31, 742, 00 , 11:30:03, 06-Jul-2018
12, 7.37, 32.9, 31, 742, 00 , 11:45:03, 06-Jul-2018
13, 9.72, 33.5, 29, 742, 00 , 12:00:03, 06-Jul-2018
14, 8.60, 33.9, 29, 744, 00 , 12:15:03, 06-Jul-2018
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16, 7.86, 32.8, 30, 742, 00 , 12:45:03, 06-Jul-2018
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23, 26.11, 32.5, 28, 742, 00 , 14:30:03, 06-Jul-2018
24, 15.67, 32.6, 32, 742, 00 , 14:45:03, 06-Jul-2018
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27, 21.77, 30.1, 35, 742, 00 , 15:30:03, 06-Jul-2018
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29, 10.30, 29.8, 37, 742, 00 , 16:00:03, 06-Jul-2018

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"Max STEL @ ", 09:32:23 06-Jul-2018
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"FlowRate ", 1.200000
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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
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4, 6.76, 23.7, 58, 742, 00 , 09:45:03, 06-Jul-2018
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7, 6.62, 25.3, 57, 742, 00 , 10:30:03, 06-Jul-2018
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12, 6.73, 28.3, 50, 742, 00 , 11:45:03, 06-Jul-2018
13, 7.10, 29.8, 47, 742, 00 , 12:00:03, 06-Jul-2018
14, 6.94, 31.5, 43, 742, 00 , 12:15:03, 06-Jul-2018
15, 7.15, 32.2, 40, 742, 00 , 12:30:03, 06-Jul-2018
16, 7.02, 32.3, 39, 742, 00 , 12:45:03, 06-Jul-2018
17, 7.64, 33.1, 39, 742, 00 , 13:00:03, 06-Jul-2018
18, 7.33, 34.3, 35, 742, 00 , 13:15:03, 06-Jul-2018
19, 7.85, 35.2, 33, 742, 00 , 13:30:03, 06-Jul-2018
20, 7.13, 35.9, 32, 742, 00 , 13:45:03, 06-Jul-2018
21, 6.69, 36.4, 31, 742, 00 , 14:00:03, 06-Jul-2018
22, 7.34, 36.1, 30, 742, 00 , 14:15:03, 06-Jul-2018
23, 6.80, 36.5, 30, 742, 00 , 14:30:03, 06-Jul-2018
24, 8.76, 38.0, 30, 742, 00 , 14:45:03, 06-Jul-2018
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27, 9.75, 37.7, 29, 742, 00 , 15:30:03, 06-Jul-2018
28, 9.07, 37.8, 28, 742, 00 , 15:45:03, 06-Jul-2018
29, 7.52, 38.1, 27, 742, 00 , 16:00:03, 06-Jul-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 06-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 06-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 12	Unit sc	Unit tr	Unit 10	Unit 20	Unit 09 UW	Threshold	Trigger
2018-07-06 08:30:00	2.7			2.2	2.77	9.57	150	100
2018-07-06 08:45:00	1.57			-0.58	-2	8.19	150	100
2018-07-06 09:00:00	6.2	-0.67		-0.17	-1.56	7.53	150	100
2018-07-06 09:15:00	13.36	-0.86		-0.4	-1.87	7.42	150	100
2018-07-06 09:30:00	21.4	6.57		-0.16	-2.15	7.7	150	100
2018-07-06 09:45:00	7.46	-1.74		3.23	0.19	8.5	150	100
2018-07-06 10:00:00	3.92	-1.98		2.61	-3.48	8.46	150	100
2018-07-06 10:15:00	3.73	-1.28		6.37	-2.45	9.25	150	100
2018-07-06 10:30:00	6.57	-1.49		2.52	-1.82	8.11	150	100
2018-07-06 10:45:00	3.09	0.51		0.2	-3.34	7.09	150	100
2018-07-06 11:00:00	3.28	-1.09		0.2	-3.19	7.27	150	100
2018-07-06 11:15:00	9.78	-0.88		0.61	-2.96	7.21	150	100
2018-07-06 11:30:00	6.73	-0.99		1.1	-2.41	7.54	150	100
2018-07-06 11:45:00	3.59	-1.47		0.77	-2.98	8.2	150	100
2018-07-06 12:00:00	9.04	-3.11		-0.23	-3.5	10.21	150	100
2018-07-06 12:15:00	11.46	-2.68		-0.38	-3.36	9.62	150	100
2018-07-06 12:30:00	4.66	-2.64		0.73	-3.49	9.79	150	100
2018-07-06 12:45:00	2.88	-0.88		-0.42	-2.69	7.9	150	100
2018-07-06 13:00:00	3.26	-6.18		-5.41	-6.6	13.82	150	100
2018-07-06 13:15:00	3.4	-1.67		0.18	-3.43	9	150	100
2018-07-06 13:30:00	3.44	-0.3		-0.11	-3.29	8.15	150	100
2018-07-06 13:45:00	10.69	0.02		0.2	-3.08	7.11	150	100
2018-07-06 14:00:00	11.71	-1.78		-0.38	-3.75	8.47	150	100
2018-07-06 14:15:00	10.74	-10.8		-10.03	-12.1	18.14	150	100
2018-07-06 14:30:00	-83.34	-146.47		-113.03	-134.78	153.27	150	100
2018-07-06 14:45:00	-3.27	-11.53		-8.15	-13.11	20.29	150	100
2018-07-06 15:00:00	-2.94	-6.8		-4.34	-7.81	15.76	150	100
2018-07-06 15:15:00	4.82	-3.35		-1.72	-4.28	11.74	150	100
2018-07-06 15:30:00	2.19	-3.99		-1.84	-5.48	13.74	150	100
2018-07-06 15:45:00	1.38	-2.39		-2.77	-5.03	11.46	150	100
2018-07-06 16:00:00	0.95	-3.19		-2.7	-4.79	10.71	150	100
2018-07-06 16:15:00	-8.34			-12.63	-14.96	20.81	150	100

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"Max STEL ", 70.488677
"Max STEL @ ", 14:28:43 06-Jul-2018
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"FlowRate ", 1.200000
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3, 13.73, 19.5, 58, 742, 00 , 09:00:03, 06-Jul-2018
4, 20.78, 19.2, 59, 742, 00 , 09:15:03, 06-Jul-2018
5, 29.10, 19.4, 59, 742, 00 , 09:30:03, 06-Jul-2018
6, 15.96, 19.8, 59, 742, 00 , 09:45:03, 06-Jul-2018
7, 12.38, 19.9, 59, 742, 00 , 10:00:03, 06-Jul-2018
8, 12.98, 20.6, 58, 742, 00 , 10:15:03, 06-Jul-2018
9, 14.68, 21.4, 55, 742, 00 , 10:30:03, 06-Jul-2018
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11, 10.55, 21.8, 55, 742, 00 , 11:00:03, 06-Jul-2018
12, 16.99, 22.4, 53, 742, 00 , 11:15:03, 06-Jul-2018
13, 14.27, 22.9, 50, 744, 00 , 11:30:03, 06-Jul-2018
14, 11.79, 23.0, 50, 744, 00 , 11:45:03, 06-Jul-2018
15, 19.25, 24.2, 47, 744, 00 , 12:00:03, 06-Jul-2018
16, 21.08, 25.2, 45, 744, 00 , 12:15:03, 06-Jul-2018
17, 14.45, 25.4, 43, 744, 00 , 12:30:03, 06-Jul-2018
18, 10.78, 25.2, 43, 744, 00 , 12:45:03, 06-Jul-2018
19, 17.08, 25.7, 42, 744, 00 , 13:00:03, 06-Jul-2018
20, 12.40, 26.7, 39, 744, 00 , 13:15:03, 06-Jul-2018
21, 11.59, 27.0, 38, 744, 00 , 13:30:03, 06-Jul-2018
22, 17.80, 27.1, 38, 744, 00 , 13:45:03, 06-Jul-2018
23, 20.18, 27.4, 37, 744, 00 , 14:00:03, 06-Jul-2018
24, 28.88, 27.0, 37, 744, 00 , 14:15:03, 06-Jul-2018
25, 69.93, 26.8, 37, 744, 00 , 14:30:03, 06-Jul-2018
26, 17.02, 28.4, 39, 744, 00 , 14:45:03, 06-Jul-2018
27, 12.82, 28.8, 38, 744, 00 , 15:00:03, 06-Jul-2018
28, 16.56, 28.4, 38, 744, 00 , 15:15:03, 06-Jul-2018
29, 15.93, 28.7, 37, 744, 00 , 15:30:03, 06-Jul-2018
30, 12.84, 28.7, 36, 744, 00 , 15:45:03, 06-Jul-2018
31, 11.66, 29.2, 35, 744, 00 , 16:00:03, 06-Jul-2018
32, 12.47, 29.2, 34, 744, 00 , 16:15:03, 06-Jul-2018

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"Max Disp @ ", 09:28:07 06-Jul-2018
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"Max STEL @ ", 09:32:23 06-Jul-2018
"Avg point ", 7.597977
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
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3, 14.27, 23.4, 57, 742, 00 , 09:30:03, 06-Jul-2018
4, 6.76, 23.7, 58, 742, 00 , 09:45:03, 06-Jul-2018
5, 6.48, 24.0, 59, 742, 00 , 10:00:03, 06-Jul-2018
6, 7.97, 24.5, 57, 742, 00 , 10:15:03, 06-Jul-2018
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14, 6.94, 31.5, 43, 742, 00 , 12:15:03, 06-Jul-2018
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16, 7.02, 32.3, 39, 742, 00 , 12:45:03, 06-Jul-2018
17, 7.64, 33.1, 39, 742, 00 , 13:00:03, 06-Jul-2018
18, 7.33, 34.3, 35, 742, 00 , 13:15:03, 06-Jul-2018
19, 7.85, 35.2, 33, 742, 00 , 13:30:03, 06-Jul-2018
20, 7.13, 35.9, 32, 742, 00 , 13:45:03, 06-Jul-2018
21, 6.69, 36.4, 31, 742, 00 , 14:00:03, 06-Jul-2018
22, 7.34, 36.1, 30, 742, 00 , 14:15:03, 06-Jul-2018
23, 6.80, 36.5, 30, 742, 00 , 14:30:03, 06-Jul-2018
24, 8.76, 38.0, 30, 742, 00 , 14:45:03, 06-Jul-2018
25, 8.96, 38.6, 28, 742, 00 , 15:00:03, 06-Jul-2018
26, 8.39, 37.5, 29, 742, 00 , 15:15:03, 06-Jul-2018
27, 9.75, 37.7, 29, 742, 00 , 15:30:03, 06-Jul-2018
28, 9.07, 37.8, 28, 742, 00 , 15:45:03, 06-Jul-2018
29, 7.52, 38.1, 27, 742, 00 , 16:00:03, 06-Jul-2018

Unit 09 UW is above the THRESHOLD of 150 ug/m3:
Date: 2018-07-06 14:30:00 Concentration: 153.27
Unit 09 UW is above the TRIGGER of 100 ug/m3:
Date: 2018-07-06 14:30:00 Concentration: 153.27
Unit 09 UW is above the THRESHOLD of 150 ug/m3:
Date: 2018-07-06 14:30:00 Concentration: 153.27
Unit 09 UW is above the TRIGGER of 100 ug/m3:
Date: 2018-07-06 14:30:00 Concentration: 153.27

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"Max STEL ", 41.761374
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"Avg point ", 10.234206
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
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"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
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5, 7.54, 26.6, 43, 742, 00 , 09:30:03, 06-Jul-2018
6, 11.73, 28.9, 38, 742, 00 , 09:45:03, 06-Jul-2018
7, 11.07, 29.7, 36, 742, 00 , 10:00:03, 06-Jul-2018
8, 15.62, 31.0, 34, 742, 00 , 10:15:03, 06-Jul-2018
9, 10.63, 32.7, 31, 742, 00 , 10:30:03, 06-Jul-2018
10, 7.29, 32.3, 32, 742, 00 , 10:45:03, 06-Jul-2018
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13, 8.64, 30.5, 34, 742, 00 , 11:30:03, 06-Jul-2018
14, 8.97, 30.2, 34, 742, 00 , 11:45:03, 06-Jul-2018
15, 9.98, 30.8, 32, 742, 00 , 12:00:03, 06-Jul-2018
16, 9.24, 30.4, 33, 742, 00 , 12:15:03, 06-Jul-2018
17, 10.52, 29.5, 34, 742, 00 , 12:30:03, 06-Jul-2018
18, 7.48, 28.8, 34, 742, 00 , 12:45:03, 06-Jul-2018
19, 8.41, 29.4, 34, 742, 00 , 13:00:03, 06-Jul-2018
20, 9.18, 29.8, 32, 742, 00 , 13:15:03, 06-Jul-2018
21, 8.04, 30.3, 32, 742, 00 , 13:30:03, 06-Jul-2018
22, 7.31, 30.7, 31, 742, 00 , 13:45:03, 06-Jul-2018
23, 8.09, 30.9, 30, 742, 00 , 14:00:03, 06-Jul-2018
24, 8.11, 30.1, 30, 742, 00 , 14:15:03, 06-Jul-2018
25, 40.24, 29.6, 31, 742, 00 , 14:30:03, 06-Jul-2018
26, 12.14, 29.7, 35, 742, 00 , 14:45:03, 06-Jul-2018
27, 11.42, 29.3, 36, 742, 00 , 15:00:03, 06-Jul-2018
28, 10.02, 28.0, 38, 742, 00 , 15:15:03, 06-Jul-2018
29, 11.90, 27.6, 38, 742, 00 , 15:30:03, 06-Jul-2018
30, 8.69, 26.9, 39, 742, 00 , 15:45:03, 06-Jul-2018
31, 8.01, 26.7, 38, 742, 00 , 16:00:03, 06-Jul-2018
32, 8.18, 26.7, 37, 742, 00 , 16:15:03, 06-Jul-2018

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"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
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2, 6.19, 23.6, 43, 742, 00 , 08:45:03, 06-Jul-2018
3, 5.97, 23.4, 43, 742, 00 , 09:00:03, 06-Jul-2018
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DAILY OBSERVATION REPORT

Report No.:	30	Project File:	MN0832D	Date:	7/7/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — *an affiliate of Geosyntec Consultants*

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: James Burnett

Site Representative: Matt Schallinger

Arrive at Site: 0700hrs. Leave Site: 1700 hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Sunny, Clear	am	Sunny, Clear	pm
Temperature:	75° F	am	79° F	pm
Wind Direction:	0 S	am	5 ESE	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 30 Project File: MN0832D Date: 7/7/2018

Materials Imported and Removed from Work Areas

Soil Removal:

Total Loads today: 0 Total Loads to date: 74

Weight: 0 tons Total Weight to date: ~1742 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 15

Weight: 0 Tons Total Weight to date: ~293 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: 0Tons Total Weight to date: 132 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: 95

Weight: 0 Tons Total Weight to date: 2019 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0700. Attended Recon safety meeting. Matthew Schallinger, Hannah Zafar, Jim Bannantine on site. Held initial tailgate safety meeting for Geosyntec. Reviewed tasks and plan for the day.
- HZ and MS calibrated and deploy dust monitors.
- HZ and JB cleaned and organized the Conex box and field work station.
- MS along with Patrick Carr and Brian Kilkenny of Recon held review of excavation process and identifying areas of concern where pre-delineation is incomplete and waiting on sample confirmation that should not be excavated.
- MS and Recon delineated and quantified potentially TSCA material that went to the MSA. It is estimated that 3-5 cubic yards of potentially TSCA material were sent to the MSA.
- MS and Recon identified the material of interest in the MSA and evaluated procedures for excavation, confirmatory sampling and transportation back to the TSCA Accumulation Area in the RPL.

Report No.:	30	Project File:	MN0832D	Date:	7/7/2018

- Recon hand located and exposed a 10’ long section of the gas line.
- Recon began transferring unused sheet pile to a staging area near the MSA.
- Recon began excavation of the 0-2’ layer of reuse and non-haz material in the NW section of the RPL. Reuse material was covered and placed on poly on the eastern edge of the RPL. 2 trucks of non-haz material was transported to the MSA.
- No TSCA trucks were loaded today.
- All trucks leaving the RPL and the MSA were decontaminated before entering the haul road.

PM

- Recon continued excavation of 0-2’ non-hazardous material.
- Recon sprayed water along the haul road and the TSCA accumulation pile several times during the day.
- Recon over-excavated the area of concern in the MSA and placed about 22 cubic yards of material in a TSCA-designated dump truck for transport to the RPL. All vehicles exiting the MSA were sent through the truck wash.
- MS collected 4 confirmation samples in the MSA. 3 samples were collected from the side walls and one was collected a few inches below grade. Sampled were packaged, placed on ice and dropped off at FedEx.
- MS and JB worked with Recon to flag sidewall sampling locations in phase one of the RPL.
- MS and JB collect 9 sidewall samples at various depths form phase one in the RPL. Samples will be shipped out on Monday.
- Recon began covering piles around 1530 and securing the site.
- MS meets with BK of Recon to discuss tomorrows work. No excavation will take place in the RPL. Removal of the automatic truck wash and construction of the truck wash pad is planned for work in the MSA tomorrow.
- There were no recorded exceedances of dust during dust monitoring.

Report No.: 30 Project File: MN0832D Date: 7/7/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Patrick Carr
- Brian Kilkenny
- Brian Balog
- Scott Early
- Rich Tonnucour
- (Recon labor) X13

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- 8x40 Office Trailer
- Portable Toilets
- Hand Wash Stations
- ST-197 Dodge Ram Work Truck
- 8x20 Storage Box
- Trimble GPS System (Base, Rover, Data Collector)
- 8x20 Office Trailer
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 Containments
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Vibratory Hammer
- Roller
- Site F250

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
N/A		

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Substantial Completion Date: NA
Completion Date: NA

ITEMS OF CONCERN:

- The 4-6 ft excavation designate as TSCA on 6 July 2018 was identified. It is estimated that a pod of soil (approximately 3 to 5 cubic yards) now designated as TSCA in that area where pre-delineation was incomplete was moved to the MSA. The area where this soil was placed in the MSA was identified (see MSA Site Map) and approximately 22 cubic yards of soil was over-excavated and transported to the TSCA Accumulation Area in a TSCA-designated dump truck for off-Site disposal on 8 July 2018. Confirmation samples were collected from the MSA over-excavation to confirm complete removal. Procedures for reviewing excavation plans where pre-delineation is incomplete have been reviewed to avoid such incidents in the future.

DAILY OBSERVATION REPORT

Report No.:	30	Project File:	MN0832D	Date:	7/7/2018

Site Representative: M. Schallinger

Date: 7/7/2018

Name: (*signature*)



:

Report No.: 30 Project File: MN0832D Date: 7/7/2018

Photo Log

Date : 7/07/2018



Morning overview of the RPL.



Uncovered gas line identified with pink paint.



Measurement of extent of excavation of soil designated as TSCA based confirmation sample results received on 7/6. Measurement from B955 to B923. TSCA area is to the right of the tape.



Extent of Phase 1 excavation showing demarcation of newly designated TSCA area and newly identified concrete structures.

Report No.: 30 Project File: MN0832D Date: 7/7/2018

	
View of MSA over-excavation and sampling locations. See MSA Site Map for excavation location.	Recon transporting sheet pile out of the RPL.

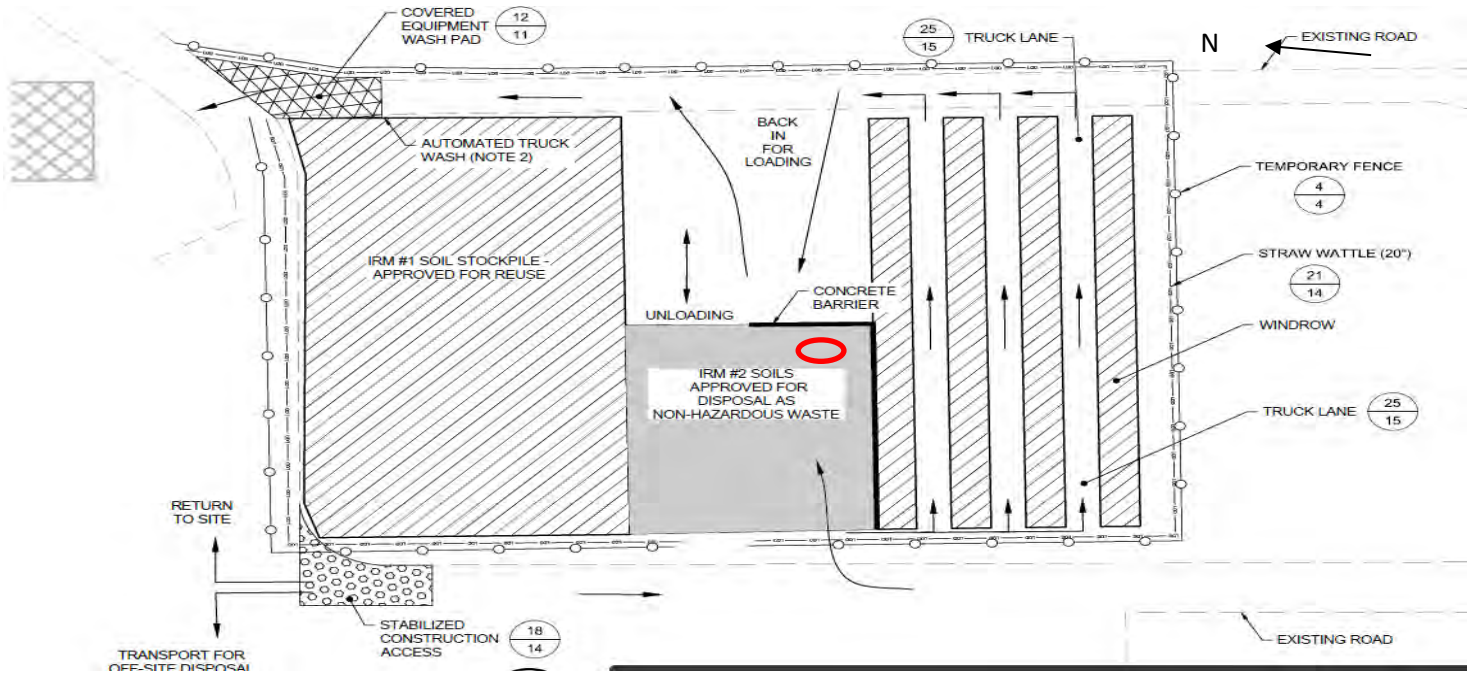
Report No.:	30	Project File:	MN0832D	Date:	7/7/2018

Site Map

Rear Parking Lot



MSA



Red oval shows approximate location of over excavation in MSA

3-5 CY now designated as TSCA.that was excavated on 7/6/18 as non-haz and taken to the MSA. Non-haz stockpile was over-excavated and soils were taken to the TSCA Accumulation Area on 7/7/18 for off-Site disposal

Area to be designated as TSCA

100 ppm

Legend

- Confirmation Sampling Location - PCBs (Sidewall)
- Confirmation Sampling Location - PCBs (Bottom)

Total PCB Results Soil (2018 PDI)
- 0 - 1 mg/kg
- 1 - 10 mg/kg
- 10 - 50 mg/kg
- > 50 mg/kg

Total PCB Results Soil (Historic)
- Non-Detect
- 0 - 1 mg/kg
- 1 - 10 mg/kg
- 10 - 50 mg/kg
- > 50 mg/kg

Waste Characterization Sample (PDI)
- Lead TCLP Non-Detect
- Lead TCLP Detect < 5 mg/L

Excavation Classification
- Non-Hazardous
- TSCA
- Bottom of 2-4 Foot Excavation
- Bottom of 2-4 Foot TSCA

- Pre-Delineated
- Not Pre-Delineated

Utilities
- Natural Gas
- Electric
- Water
- Storm Sewer

Notes
"SSHS-" prefix removed from locations.
PDI - Predesign Investigation
ft bgs - Feet below ground surface
Proposed PCB confirmation samples labeled with distance between existing samples.
Aerial imagery provided by ArcGIS Online.

N

0 40 Feet

Proposed Excavation
Rear Parking Lot (4-6 ft bgs)

Former Sperry Remington Site North Portion IRM#2
Elmira, New York

Beech and Bonaparte engineering p.c.
an affiliate of Geosyntec Consultants

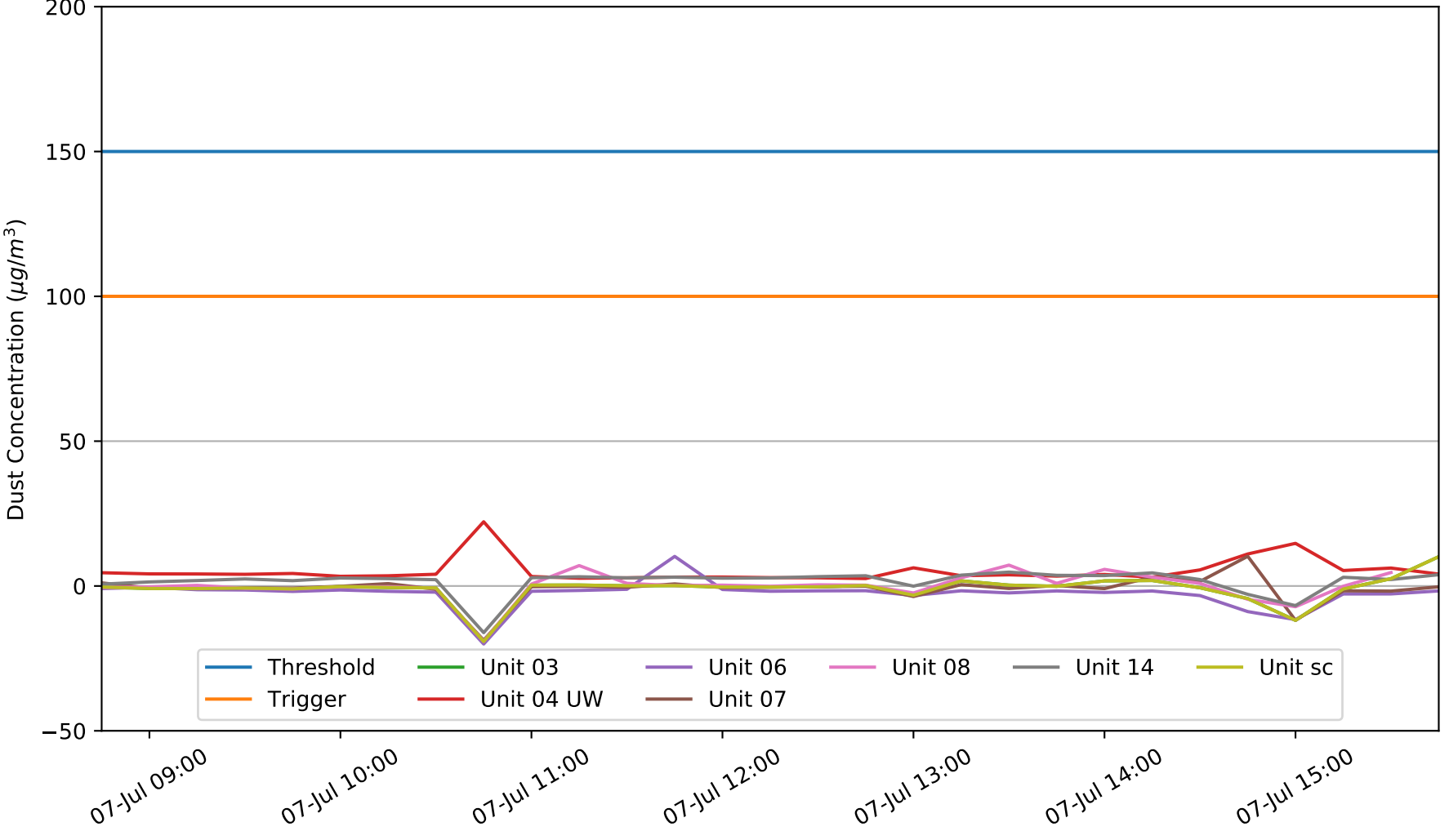
Columbia, Maryland | June 2018

Figure 7

T:\GIS\Elmira - MN0832\Maps\NYDEC AOCs\IRM_2018\IRM_WP_REV_JUN\Figure 7 - Proposed Excavation - 4-6.mxd 6/22/2018 11:49:48 AM

Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 07-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 07-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 06	Unit sc	Unit 03	Unit 07	Unit 04 UW	Unit 08	Unit 14	Threshold	Trigger
2018-07-07 08:45:00	-0.89	-0.37	-0.37	1.07	4.58	-0.5	0.64	150	100
2018-07-07 09:00:00	-0.45	-0.87	-0.87	-0.73	4.18	-0.31	1.4	150	100
2018-07-07 09:15:00	-1.28	-0.9	-0.9	-0.64	4.15	0.21	1.88	150	100
2018-07-07 09:30:00	-1.38	-0.72	-0.72	-0.67	4.03	-0.8	2.43	150	100
2018-07-07 09:45:00	-1.88	-1	-1	-0.76	4.32	-1.02	1.84	150	100
2018-07-07 10:00:00	-1.38	-0.2	-0.2	-0.11	3.34	-0.31	2.75	150	100
2018-07-07 10:15:00	-1.85	-0.52	-0.52	0.82	3.52	-0.25	2.54	150	100
2018-07-07 10:30:00	-2.13	-0.67	-0.67	-1.14	4.05	-0.74	2.17	150	100
2018-07-07 10:45:00	-20.03	-19.17	-19.17	-18.72	22.17	-19.07	-16.11	150	100
2018-07-07 11:00:00	-1.82	0.29	0.29	-0.25	3.28	0.65	2.85	150	100
2018-07-07 11:15:00	-1.54	0.32	0.32	-0.1	2.68	7.04	3.19	150	100
2018-07-07 11:30:00	-1.14	0.06	0.06	-0.43	2.82	0.91	2.81	150	100
2018-07-07 11:45:00	10.21	0.13	0.13	0.71	3.07	0.13	3.04	150	100
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2018-07-07 12:15:00	-1.82	-0.37	-0.37	-0.42	2.89	-0.09	2.78	150	100
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2018-07-07 13:15:00	-1.66	1.77	1.77	0.47	3.54	2.82	3.75	150	100
2018-07-07 13:30:00	-2.39	0.29	0.29	-0.86	3.86	7.2	4.79	150	100
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2, 3.31, 13.6, 72, 750, 00 , 09:00:03, 07-Jul-2018
3, 3.25, 14.0, 70, 750, 00 , 09:15:03, 07-Jul-2018
4, 3.31, 14.6, 67, 750, 00 , 09:30:03, 07-Jul-2018
5, 3.32, 15.4, 63, 750, 00 , 09:45:03, 07-Jul-2018
6, 3.14, 16.3, 58, 748, 00 , 10:00:03, 07-Jul-2018
7, 3.00, 17.3, 56, 748, 00 , 10:15:03, 07-Jul-2018
8, 3.38, 18.5, 55, 748, 00 , 10:30:03, 07-Jul-2018
9, 3.00, 20.2, 53, 748, 00 , 10:45:03, 07-Jul-2018
10, 3.57, 21.9, 45, 748, 00 , 11:00:03, 07-Jul-2018
11, 3.00, 23.7, 40, 748, 00 , 11:15:03, 07-Jul-2018
12, 2.88, 25.5, 37, 748, 00 , 11:30:03, 07-Jul-2018
13, 3.20, 27.2, 36, 748, 00 , 11:45:03, 07-Jul-2018
14, 2.72, 28.8, 31, 748, 00 , 12:00:03, 07-Jul-2018
15, 2.52, 29.9, 29, 748, 00 , 12:15:03, 07-Jul-2018
16, 2.53, 30.9, 28, 748, 00 , 12:30:03, 07-Jul-2018
17, 2.75, 31.7, 25, 748, 00 , 12:45:03, 07-Jul-2018
18, 3.07, 32.5, 26, 748, 00 , 13:00:03, 07-Jul-2018
19, 5.31, 33.5, 24, 748, 00 , 13:15:03, 07-Jul-2018
20, 4.15, 33.8, 23, 748, 00 , 13:30:03, 07-Jul-2018
21, 3.31, 34.5, 22, 748, 00 , 13:45:03, 07-Jul-2018
22, 5.74, 34.8, 21, 748, 00 , 14:00:03, 07-Jul-2018
23, 4.96, 35.3, 21, 748, 00 , 14:15:03, 07-Jul-2018
24, 4.94, 36.3, 20, 748, 00 , 14:30:03, 07-Jul-2018
25, 6.70, 37.3, 20, 748, 00 , 14:45:03, 07-Jul-2018
26, 2.87, 38.6, 19, 748, 00 , 15:00:03, 07-Jul-2018
27, 4.29, 39.5, 17, 748, 00 , 15:15:03, 07-Jul-2018
28, 8.71, 40.0, 17, 748, 00 , 15:30:03, 07-Jul-2018
29, 14.22, 39.9, 17, 748, 00 , 15:45:03, 07-Jul-2018

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3, 3.25, 14.0, 70, 750, 00 , 09:15:03, 07-Jul-2018
4, 3.31, 14.6, 67, 750, 00 , 09:30:03, 07-Jul-2018
5, 3.32, 15.4, 63, 750, 00 , 09:45:03, 07-Jul-2018
6, 3.14, 16.3, 58, 748, 00 , 10:00:03, 07-Jul-2018
7, 3.00, 17.3, 56, 748, 00 , 10:15:03, 07-Jul-2018
8, 3.38, 18.5, 55, 748, 00 , 10:30:03, 07-Jul-2018
9, 3.00, 20.2, 53, 748, 00 , 10:45:03, 07-Jul-2018
10, 3.57, 21.9, 45, 748, 00 , 11:00:03, 07-Jul-2018
11, 3.00, 23.7, 40, 748, 00 , 11:15:03, 07-Jul-2018
12, 2.88, 25.5, 37, 748, 00 , 11:30:03, 07-Jul-2018
13, 3.20, 27.2, 36, 748, 00 , 11:45:03, 07-Jul-2018
14, 2.72, 28.8, 31, 748, 00 , 12:00:03, 07-Jul-2018
15, 2.52, 29.9, 29, 748, 00 , 12:15:03, 07-Jul-2018
16, 2.53, 30.9, 28, 748, 00 , 12:30:03, 07-Jul-2018
17, 2.75, 31.7, 25, 748, 00 , 12:45:03, 07-Jul-2018
18, 3.07, 32.5, 26, 748, 00 , 13:00:03, 07-Jul-2018
19, 5.31, 33.5, 24, 748, 00 , 13:15:03, 07-Jul-2018
20, 4.15, 33.8, 23, 748, 00 , 13:30:03, 07-Jul-2018
21, 3.31, 34.5, 22, 748, 00 , 13:45:03, 07-Jul-2018
22, 5.74, 34.8, 21, 748, 00 , 14:00:03, 07-Jul-2018
23, 4.96, 35.3, 21, 748, 00 , 14:15:03, 07-Jul-2018
24, 4.94, 36.3, 20, 748, 00 , 14:30:03, 07-Jul-2018
25, 6.70, 37.3, 20, 748, 00 , 14:45:03, 07-Jul-2018
26, 2.87, 38.6, 19, 748, 00 , 15:00:03, 07-Jul-2018
27, 4.29, 39.5, 17, 748, 00 , 15:15:03, 07-Jul-2018
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29, 14.22, 39.9, 17, 748, 00 , 15:45:03, 07-Jul-2018

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"Max STEL ", 25.435922
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"Errors ", 0000
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2, 3.45, 15.1, 65, 750, 00 , 09:00:03, 07-Jul-2018
3, 3.51, 15.5, 63, 748, 00 , 09:15:03, 07-Jul-2018
4, 3.36, 16.1, 59, 750, 00 , 09:30:03, 07-Jul-2018
5, 3.56, 16.9, 56, 750, 00 , 09:45:03, 07-Jul-2018
6, 3.23, 17.6, 51, 748, 00 , 10:00:03, 07-Jul-2018
7, 4.34, 18.5, 51, 748, 00 , 10:15:03, 07-Jul-2018
8, 2.91, 19.3, 48, 748, 00 , 10:30:03, 07-Jul-2018
9, 3.45, 20.0, 46, 748, 00 , 10:45:03, 07-Jul-2018
10, 3.03, 20.6, 44, 748, 00 , 11:00:03, 07-Jul-2018
11, 2.58, 21.3, 39, 748, 00 , 11:15:03, 07-Jul-2018
12, 2.39, 22.0, 35, 748, 00 , 11:30:03, 07-Jul-2018
13, 3.78, 22.6, 34, 748, 00 , 11:45:03, 07-Jul-2018
14, 2.54, 23.0, 33, 748, 00 , 12:00:03, 07-Jul-2018
15, 2.47, 23.3, 32, 748, 00 , 12:15:03, 07-Jul-2018
16, 2.57, 23.7, 33, 748, 00 , 12:30:03, 07-Jul-2018
17, 2.50, 24.0, 32, 748, 00 , 12:45:03, 07-Jul-2018
18, 2.64, 24.2, 32, 748, 00 , 13:00:03, 07-Jul-2018
19, 4.01, 24.5, 32, 748, 00 , 13:15:03, 07-Jul-2018
20, 3.00, 24.9, 30, 748, 00 , 13:30:03, 07-Jul-2018
21, 3.57, 25.0, 30, 748, 00 , 13:45:03, 07-Jul-2018
22, 3.07, 25.5, 31, 748, 00 , 14:00:03, 07-Jul-2018
23, 6.15, 26.2, 30, 748, 00 , 14:15:03, 07-Jul-2018
24, 7.11, 26.8, 29, 748, 00 , 14:30:03, 07-Jul-2018
25, 21.30, 27.2, 27, 748, 00 , 14:45:03, 07-Jul-2018
26, 2.87, 27.6, 27, 748, 00 , 15:00:03, 07-Jul-2018
27, 3.67, 27.8, 27, 748, 00 , 15:15:03, 07-Jul-2018
28, 4.42, 28.1, 26, 748, 00 , 15:30:03, 07-Jul-2018
29, 3.82, 28.5, 26, 748, 00 , 15:45:03, 07-Jul-2018

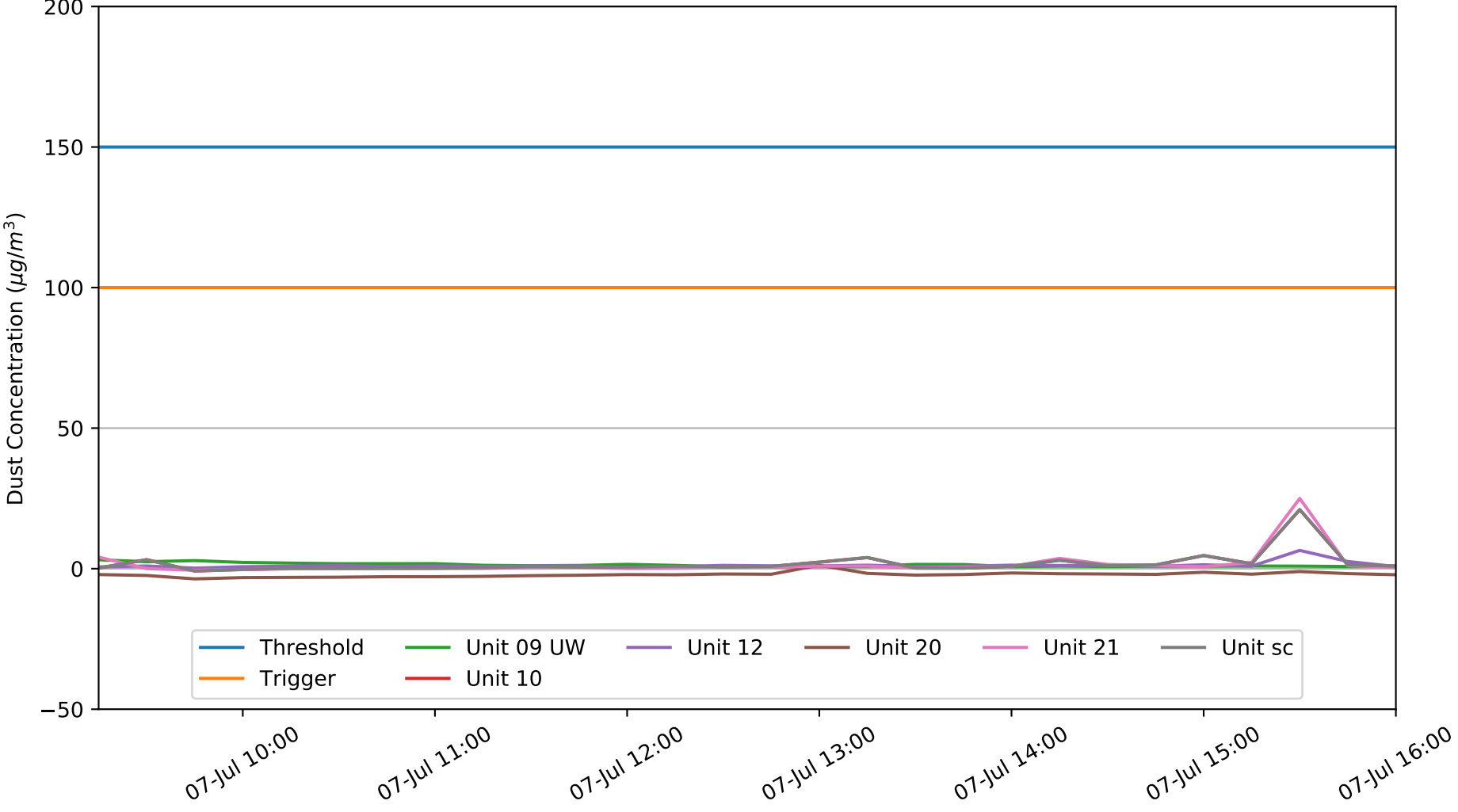
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"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
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"FlowRate ", 1.200000
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2, 4.18, 20.8, 50, 750, 01 , 09:00:03, 07-Jul-2018
3, 4.15, 22.8, 42, 750, 01 , 09:15:03, 07-Jul-2018
4, 4.03, 25.0, 37, 750, 01 , 09:30:03, 07-Jul-2018
5, 4.32, 26.8, 32, 750, 00 , 09:45:03, 07-Jul-2018
6, 3.34, 28.2, 29, 750, 01 , 10:00:03, 07-Jul-2018
7, 3.52, 28.7, 28, 750, 01 , 10:15:03, 07-Jul-2018
8, 4.05, 29.3, 27, 750, 01 , 10:30:03, 07-Jul-2018
9, 22.17, 29.8, 27, 750, 01 , 10:45:03, 07-Jul-2018
10, 3.28, 29.8, 26, 750, 01 , 11:00:03, 07-Jul-2018
11, 2.68, 29.6, 23, 750, 00 , 11:15:03, 07-Jul-2018
12, 2.82, 29.7, 22, 750, 01 , 11:30:03, 07-Jul-2018
13, 3.07, 30.0, 22, 750, 01 , 11:45:03, 07-Jul-2018
14, 3.09, 30.2, 22, 750, 01 , 12:00:03, 07-Jul-2018
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16, 2.82, 30.6, 22, 750, 00 , 12:30:03, 07-Jul-2018
17, 2.57, 30.8, 21, 750, 01 , 12:45:03, 07-Jul-2018
18, 6.27, 31.1, 22, 750, 01 , 13:00:03, 07-Jul-2018
19, 3.54, 31.6, 21, 750, 01 , 13:15:03, 07-Jul-2018
20, 3.86, 31.3, 21, 750, 01 , 13:30:03, 07-Jul-2018
21, 3.41, 31.5, 21, 750, 00 , 13:45:03, 07-Jul-2018
22, 3.98, 31.8, 21, 750, 01 , 14:00:03, 07-Jul-2018
23, 3.06, 31.6, 21, 750, 01 , 14:15:03, 07-Jul-2018
24, 5.55, 32.0, 21, 750, 01 , 14:30:03, 07-Jul-2018
25, 11.05, 32.1, 20, 750, 01 , 14:45:03, 07-Jul-2018
26, 14.72, 32.3, 21, 750, 01 , 15:00:03, 07-Jul-2018
27, 5.34, 32.6, 20, 750, 01 , 15:15:03, 07-Jul-2018
28, 6.19, 32.9, 20, 750, 01 , 15:30:03, 07-Jul-2018
29, 4.11, 32.7, 20, 748, 01 , 15:45:03, 07-Jul-2018

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"Max STEL @ ", 13:21:43 07-Jul-2018
"Avg point ", 5.084935
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
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2, 3.87, 15.7, 62, 748, 00 , 09:00:03, 07-Jul-2018
3, 4.36, 15.7, 60, 748, 00 , 09:15:03, 07-Jul-2018
4, 3.23, 16.1, 58, 748, 00 , 09:30:03, 07-Jul-2018
5, 3.30, 16.7, 54, 748, 00 , 09:45:03, 07-Jul-2018
6, 3.03, 17.5, 50, 748, 00 , 10:00:03, 07-Jul-2018
7, 3.27, 18.3, 47, 748, 00 , 10:15:03, 07-Jul-2018
8, 3.31, 19.1, 44, 748, 00 , 10:30:03, 07-Jul-2018
9, 3.10, 20.0, 42, 748, 00 , 10:45:03, 07-Jul-2018
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12, 3.73, 22.5, 31, 748, 00 , 11:30:03, 07-Jul-2018
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14, 3.38, 23.9, 28, 748, 00 , 12:00:03, 07-Jul-2018
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16, 3.22, 24.9, 28, 748, 00 , 12:30:03, 07-Jul-2018
17, 2.85, 25.4, 26, 748, 00 , 12:45:03, 07-Jul-2018
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20, 11.06, 27.7, 24, 746, 00 , 13:30:03, 07-Jul-2018
21, 4.33, 28.5, 22, 746, 00 , 13:45:03, 07-Jul-2018
22, 9.72, 29.6, 23, 746, 00 , 14:00:03, 07-Jul-2018
23, 6.11, 32.0, 19, 746, 00 , 14:15:03, 07-Jul-2018
24, 6.45, 35.3, 16, 746, 00 , 14:30:03, 07-Jul-2018
25, 6.46, 38.2, 12, 746, 00 , 14:45:03, 07-Jul-2018
26, 7.56, 41.3, 11, 746, 00 , 15:00:03, 07-Jul-2018
27, 5.25, 44.0, 9, 746, 00 , 15:15:03, 07-Jul-2018
28, 10.84, 45.8, 8, 746, 00 , 15:30:03, 07-Jul-2018

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"Max Disp @ ", 13:21:18 07-Jul-2018
"Max STEL ", 9.239205
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"Avg point ", 6.699039
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"FlowRate ", 1.200000
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2, 5.58, 20.2, 52, 748, 00 , 09:00:03, 07-Jul-2018
3, 6.03, 23.2, 44, 748, 00 , 09:15:03, 07-Jul-2018
4, 6.46, 25.3, 38, 748, 00 , 09:30:03, 07-Jul-2018
5, 6.16, 26.3, 34, 748, 00 , 09:45:03, 07-Jul-2018
6, 6.09, 27.2, 32, 748, 00 , 10:00:03, 07-Jul-2018
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8, 6.22, 28.1, 30, 748, 00 , 10:30:03, 07-Jul-2018
9, 6.06, 28.3, 29, 748, 00 , 10:45:03, 07-Jul-2018
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16, 6.05, 29.5, 23, 748, 00 , 12:30:03, 07-Jul-2018
17, 6.10, 29.7, 23, 748, 00 , 12:45:03, 07-Jul-2018
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22, 7.57, 32.9, 21, 748, 00 , 14:00:03, 07-Jul-2018
23, 7.59, 32.5, 21, 748, 00 , 14:15:03, 07-Jul-2018
24, 7.77, 33.7, 19, 748, 00 , 14:30:03, 07-Jul-2018
25, 8.16, 33.5, 19, 748, 00 , 14:45:03, 07-Jul-2018
26, 7.94, 32.9, 19, 746, 00 , 15:00:03, 07-Jul-2018
27, 8.35, 31.9, 20, 748, 00 , 15:15:03, 07-Jul-2018
28, 8.42, 30.1, 23, 746, 00 , 15:30:03, 07-Jul-2018
29, 8.00, 28.7, 25, 746, 00 , 15:45:03, 07-Jul-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 07-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 07-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit sc	Unit 20	Unit 10	Unit 12	Unit 09 UW	Unit 21	Threshold	Trigger
2018-07-07 09:15:00	0.22	-2.1	0.22	0.63	3.15	4.1	150	100
2018-07-07 09:30:00	3.2	-2.42	3.2	0.95	2.48	0.02	150	100
2018-07-07 09:45:00	-0.83	-3.64	-0.83	0.19	2.87	-0.57	150	100
2018-07-07 10:00:00	-0.28	-3.18	-0.28	0.7	2.22	-0.34	150	100
2018-07-07 10:15:00	0.11	-3.1	0.11	0.87	1.98	-0.05	150	100
2018-07-07 10:30:00	0.15	-3.03	0.15	1.06	1.77	-0.05	150	100
2018-07-07 10:45:00	0.19	-2.86	0.19	0.81	1.78	-0.02	150	100
2018-07-07 11:00:00	0.19	-2.85	0.19	0.98	1.79	0.04	150	100
2018-07-07 11:15:00	0.33	-2.74	0.33	0.81	1.2	0.07	150	100
2018-07-07 11:30:00	0.74	-2.48	0.74	0.99	1.05	0.35	150	100
2018-07-07 11:45:00	0.53	-2.34	0.53	1.02	1.15	0.52	150	100
2018-07-07 12:00:00	0.55	-2.1	0.55	0.44	1.54	0.04	150	100
2018-07-07 12:15:00	0.87	-2.17	0.87	0.73	1.17	0.12	150	100
2018-07-07 12:30:00	0.66	-1.9	0.66	1.17	0.69	0.68	150	100
2018-07-07 12:45:00	0.81	-1.98	0.81	1.01	0.7	0.53	150	100
2018-07-07 13:00:00	2.32	1.21	2.32	0.97	0.76	0.87	150	100
2018-07-07 13:15:00	3.95	-1.68	3.95	1.25	0.79	0.93	150	100
2018-07-07 13:30:00	0.2	-2.29	0.2	0.7	1.52	0.27	150	100
2018-07-07 13:45:00	0.19	-2.09	0.19	0.86	1.48	0.5	150	100
2018-07-07 14:00:00	0.85	-1.53	0.85	1.25	0.71	0.8	150	100
2018-07-07 14:15:00	3.01	-1.8	3.01	1.14	0.9	3.66	150	100
2018-07-07 14:30:00	1.07	-1.9	1.07	1.2	0.76	1.5	150	100
2018-07-07 14:45:00	1.32	-2.03	1.32	0.85	0.85	1.08	150	100
2018-07-07 15:00:00	4.67	-1.26	4.67	1.39	0.84	0.69	150	100
2018-07-07 15:15:00	1.75	-1.96	1.75	0.89	0.94	2.21	150	100
2018-07-07 15:30:00	21	-1.02	21	6.5	0.9	24.99	150	100
2018-07-07 15:45:00	1.36	-1.76	1.36	2.55	0.76	1.03	150	100
2018-07-07 16:00:00	0.89	-2.16	0.89	0.75	0.95	0.57	150	100

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 15:22:53 07-Jul-2018
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"Max STEL @ ", 15:29:23 07-Jul-2018
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"ALARM ", "INSTANT "
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4, 1.94, 22.4, 37, 748, 00 , 10:00:03, 07-Jul-2018
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7, 1.97, 24.8, 32, 748, 00 , 10:45:03, 07-Jul-2018
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9, 1.53, 25.6, 27, 748, 00 , 11:15:03, 07-Jul-2018
10, 1.79, 25.6, 25, 748, 00 , 11:30:03, 07-Jul-2018
11, 1.68, 25.8, 25, 748, 00 , 11:45:03, 07-Jul-2018
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13, 2.04, 25.6, 26, 748, 00 , 12:15:03, 07-Jul-2018
14, 1.35, 26.3, 25, 748, 00 , 12:30:03, 07-Jul-2018
15, 1.51, 26.5, 25, 748, 00 , 12:45:03, 07-Jul-2018
16, 3.08, 26.9, 25, 748, 00 , 13:00:03, 07-Jul-2018
17, 4.74, 27.1, 25, 748, 00 , 13:15:03, 07-Jul-2018
18, 1.72, 27.3, 25, 748, 00 , 13:30:03, 07-Jul-2018
19, 1.67, 27.3, 26, 748, 00 , 13:45:03, 07-Jul-2018
20, 1.56, 27.9, 26, 748, 00 , 14:00:03, 07-Jul-2018
21, 3.91, 28.6, 24, 748, 00 , 14:15:03, 07-Jul-2018
22, 1.83, 28.9, 25, 748, 00 , 14:30:03, 07-Jul-2018
23, 2.17, 29.4, 23, 748, 00 , 14:45:03, 07-Jul-2018
24, 5.51, 29.6, 23, 746, 00 , 15:00:03, 07-Jul-2018
25, 2.69, 29.1, 23, 746, 00 , 15:15:03, 07-Jul-2018
26, 21.90, 28.7, 24, 746, 00 , 15:30:03, 07-Jul-2018
27, 2.12, 28.8, 25, 746, 00 , 15:45:03, 07-Jul-2018
28, 1.84, 29.3, 23, 746, 00 , 16:00:03, 07-Jul-2018

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11, -1.19, 29.5, 13, 748, 00 , 11:45:03, 07-Jul-2018
12, -0.56, 29.2, 14, 748, 00 , 12:00:03, 07-Jul-2018
13, -1.00, 29.5, 14, 748, 00 , 12:15:03, 07-Jul-2018
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22, -1.14, 29.9, 16, 748, 00 , 14:30:03, 07-Jul-2018
23, -1.18, 30.4, 15, 748, 00 , 14:45:03, 07-Jul-2018
24, -0.42, 30.5, 15, 748, 00 , 15:00:03, 07-Jul-2018
25, -1.02, 29.9, 15, 748, 00 , 15:15:03, 07-Jul-2018
26, -0.12, 30.6, 16, 748, 00 , 15:30:03, 07-Jul-2018
27, -1.00, 30.5, 17, 748, 00 , 15:45:03, 07-Jul-2018
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3, 2.04, 21.7, 40, 748, 00 , 09:45:03, 07-Jul-2018
4, 1.94, 22.4, 37, 748, 00 , 10:00:03, 07-Jul-2018
5, 2.09, 23.0, 37, 748, 00 , 10:15:03, 07-Jul-2018
6, 1.92, 24.1, 34, 748, 00 , 10:30:03, 07-Jul-2018
7, 1.97, 24.8, 32, 748, 00 , 10:45:03, 07-Jul-2018
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9, 1.53, 25.6, 27, 748, 00 , 11:15:03, 07-Jul-2018
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13, 2.04, 25.6, 26, 748, 00 , 12:15:03, 07-Jul-2018
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15, 1.51, 26.5, 25, 748, 00 , 12:45:03, 07-Jul-2018
16, 3.08, 26.9, 25, 748, 00 , 13:00:03, 07-Jul-2018
17, 4.74, 27.1, 25, 748, 00 , 13:15:03, 07-Jul-2018
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19, 1.67, 27.3, 26, 748, 00 , 13:45:03, 07-Jul-2018
20, 1.56, 27.9, 26, 748, 00 , 14:00:03, 07-Jul-2018
21, 3.91, 28.6, 24, 748, 00 , 14:15:03, 07-Jul-2018
22, 1.83, 28.9, 25, 748, 00 , 14:30:03, 07-Jul-2018
23, 2.17, 29.4, 23, 748, 00 , 14:45:03, 07-Jul-2018
24, 5.51, 29.6, 23, 746, 00 , 15:00:03, 07-Jul-2018
25, 2.69, 29.1, 23, 746, 00 , 15:15:03, 07-Jul-2018
26, 21.90, 28.7, 24, 746, 00 , 15:30:03, 07-Jul-2018
27, 2.12, 28.8, 25, 746, 00 , 15:45:03, 07-Jul-2018
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"Max STEL ", 7.502764
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4, 2.92, 12.9, 58, 750, 00 , 10:00:03, 07-Jul-2018
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6, 2.83, 14.7, 55, 750, 00 , 10:30:03, 07-Jul-2018
7, 2.59, 15.6, 51, 750, 00 , 10:45:03, 07-Jul-2018
8, 2.77, 16.3, 50, 750, 00 , 11:00:03, 07-Jul-2018
9, 2.01, 17.1, 45, 750, 00 , 11:15:03, 07-Jul-2018
10, 2.04, 18.2, 42, 750, 00 , 11:30:03, 07-Jul-2018
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21, 2.04, 24.8, 31, 748, 00 , 14:15:03, 07-Jul-2018
22, 1.96, 24.9, 30, 748, 00 , 14:30:03, 07-Jul-2018
23, 1.70, 25.3, 31, 748, 00 , 14:45:03, 07-Jul-2018
24, 2.23, 26.1, 31, 748, 00 , 15:00:03, 07-Jul-2018
25, 1.83, 26.8, 28, 748, 00 , 15:15:03, 07-Jul-2018
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"Max STEL @ ", 09:15:53 07-Jul-2018
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"RH CORRECT ", "ENABLED "
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8, 1.83, 18.0, 41, 750, 00 , 11:00:03, 07-Jul-2018
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15, 1.23, 22.5, 29, 750, 00 , 12:45:03, 07-Jul-2018
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17, 1.72, 25.2, 25, 748, 00 , 13:15:03, 07-Jul-2018
18, 1.79, 26.8, 23, 748, 00 , 13:30:03, 07-Jul-2018
19, 1.98, 28.5, 21, 748, 00 , 13:45:03, 07-Jul-2018
20, 1.51, 28.9, 20, 748, 00 , 14:00:03, 07-Jul-2018
21, 4.56, 30.3, 19, 748, 00 , 14:15:03, 07-Jul-2018
22, 2.26, 31.0, 16, 748, 00 , 14:30:03, 07-Jul-2018
23, 1.93, 31.1, 17, 748, 00 , 14:45:03, 07-Jul-2018
24, 1.53, 32.6, 17, 748, 00 , 15:00:03, 07-Jul-2018
25, 3.15, 33.6, 15, 748, 00 , 15:15:03, 07-Jul-2018
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28, 1.52, 35.4, 13, 748, 00 , 16:00:03, 07-Jul-2018

DAILY OBSERVATION REPORT

Report No.:	31	Project File:	MN0832D	Date:	7/8/2018

Geosyntec consultants

engineers | scientists | innovators

Beech and Bonaparte engineering p.c.

an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: James Burnett

Site Representative: Matt Schallinger/Jim Bannantine

Arrive at Site: 0700hrs. Leave Site: 1400 hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Sunny, Clear	am	Sunny, Clear	pm
Temperature:	51° F	am	82° F	pm
Wind Direction:	3 SW	am	2 N	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 31 Project File: MN0832D Date: 7/8/2018

Materials Imported and Removed from Work Areas

Soil Removal:

Total Loads today: 0 Total Loads to date: 74

Weight: 0 tons Total Weight to date: ~1742 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 15

Weight: 0 Tons Total Weight to date: ~293 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: 0Tons Total Weight to date: 132 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: 95

Weight: 0 Tons Total Weight to date: 2019 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

- Arrived on site at 0700. Attended Recon safety meeting. Hannah Zafar, Jim Burnett, Jim Bannantine on site. Held initial tailgate safety meeting for Geosyntec. Reviewed tasks and plan for the day.
- No excavation work took place in the RPL today.
- HZ calibrate and deploy dust monitors in MSA.
- Recon continued transferring unused sheet pile to a staging area near the MSA.
- Recon exposed and constructed truck wash in the MSA.
- 0 TSCA trucks were loaded today.
- All trucks and equipment leaving the MSA were decontaminated before entering the haul road.
- No dust exceedances were recorded in the MSA today.

Report No.: 31 Project File: MN0832D Date: 7/8/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Patrick Carr
- Brian Kilkenny
- Scott Early
- (Recon labor) X (3 operators, 3 laborers)

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- 8x40 Office Trailer
- Portable Toilets
- Hand Wash Stations
- ST-197 Dodge Ram Work Truck
- 8x20 Storage Box
- Trimble GPS System (Base, Rover, Data Collector)
- 8x20 Office Trailer
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 Containments
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Vibratory Hammer
- Roller
- Site F250

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
N/A		

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Substantial Completion Date: NA
Completion Date: NA

ITEMS OF CONCERN:

- None.

DAILY OBSERVATION REPORT

Report No.:	31	Project File:	MN0832D	Date:	7/8/2018

Site Representative: M. Schallinger

Date: 7/8/2018

Name: (*signature*)



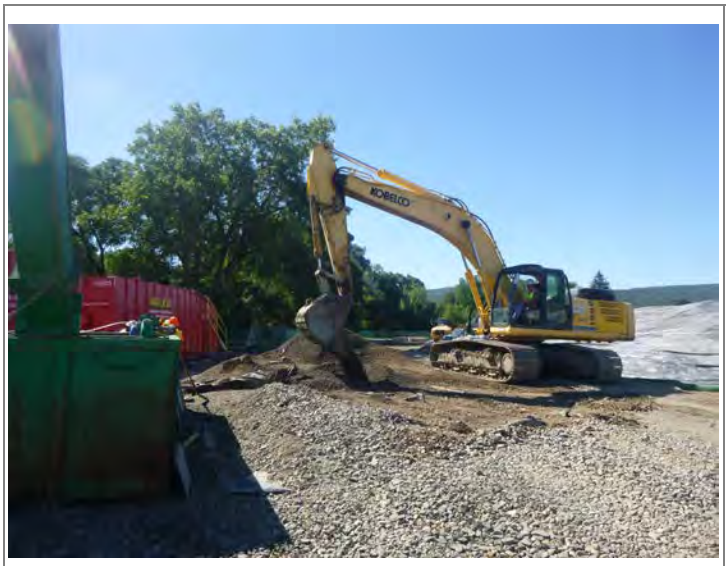
:

DAILY OBSERVATION REPORT

Report No.:	31	Project File:	MN0832D	Date:	7/8/2018

Photo Log

Date : 7/08/2018



Exposing truck wash area in MSA.



Covered soil piles in the MSA.



Constructing truck wash area in MSA.



Completion of truck wash area in MSA.

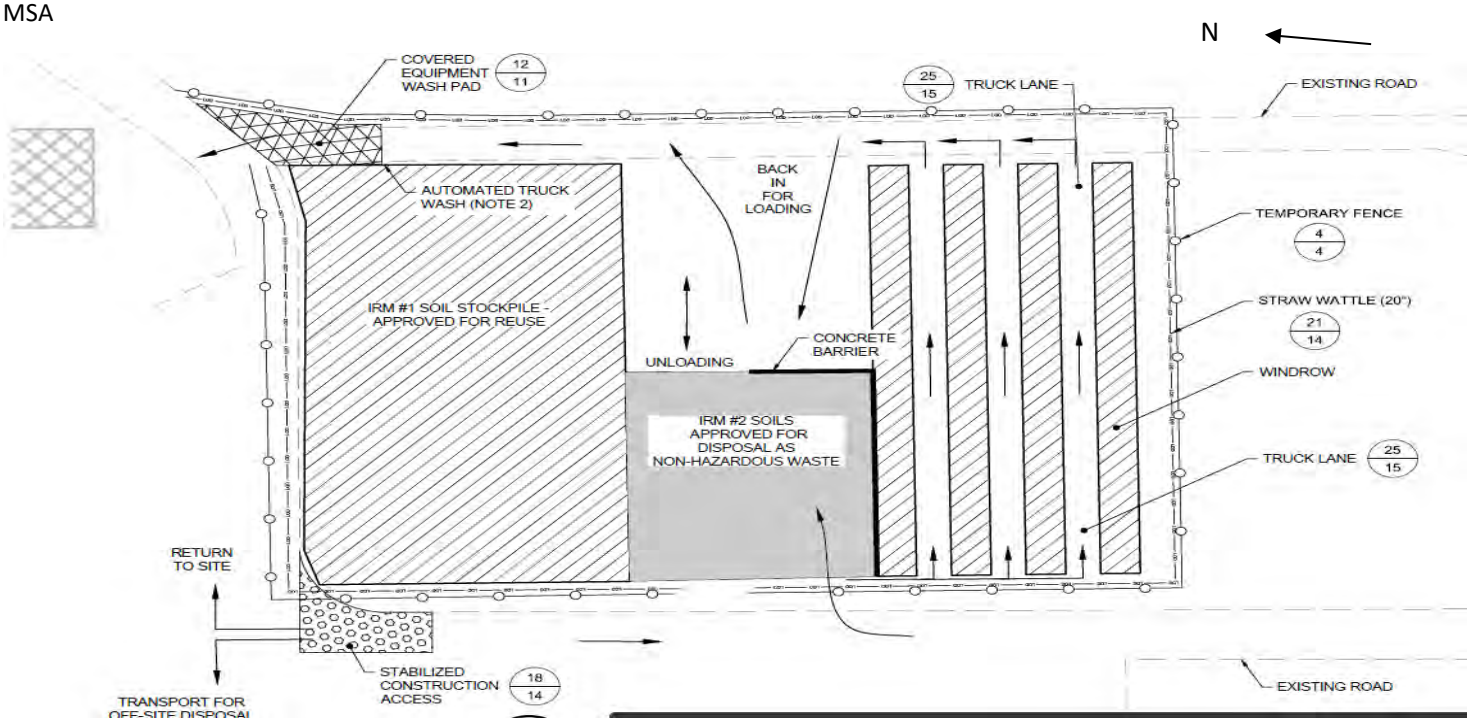
Report No.:	31	Project File:	MN0832D	Date:	7/8/2018

Site Map

Rear Parking Lot

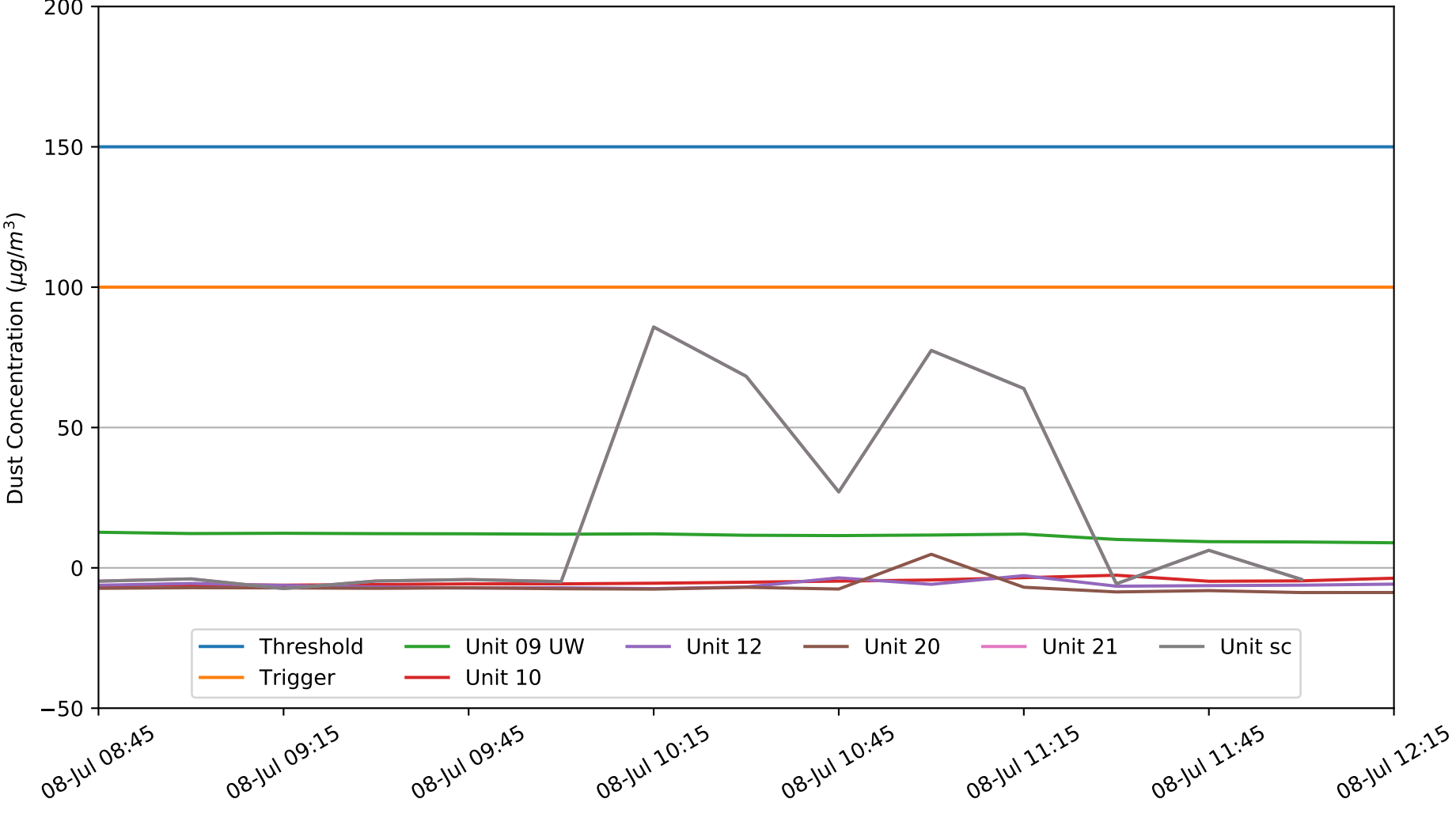


MSA



Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 08-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 08-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 09 UW	Unit 20	Unit 21	Unit sc	Unit 10	Unit 12	Threshold	Trigger
2018-07-08 08:45:00	12.68	-7.29	-4.74	-4.74	-6.39	-6.19	150	100
2018-07-08 09:00:00	12.22	-7.08	-3.93	-3.93	-5.99	-5.56	150	100
2018-07-08 09:15:00	12.32	-7.15	-7.37	-7.37	-6.17	-6.27	150	100
2018-07-08 09:30:00	12.19	-7.3	-4.69	-4.69	-5.94	-6.83	150	100
2018-07-08 09:45:00	12.13	-7.12	-4.16	-4.16	-5.71	-7.19	150	100
2018-07-08 10:00:00	11.99	-7.44	-4.91	-4.91	-5.7	-7.1	150	100
2018-07-08 10:15:00	12.11	-7.57	85.8	85.8	-5.48	-7.39	150	100
2018-07-08 10:30:00	11.61	-6.94	68.24	68.24	-5.12	-6.82	150	100
2018-07-08 10:45:00	11.49	-7.54	27.06	27.06	-4.73	-3.56	150	100
2018-07-08 11:00:00	11.69	4.84	77.46	77.46	-4.33	-5.87	150	100
2018-07-08 11:15:00	12.02	-6.91	63.89	63.89	-3.5	-2.77	150	100
2018-07-08 11:30:00	10.12	-8.58	-5.69	-5.69	-2.63	-6.54	150	100
2018-07-08 11:45:00	9.33	-8.11	6.25	6.25	-4.78	-6.34	150	100
2018-07-08 12:00:00	9.22	-8.8	-4.1	-4.1	-4.63	-6.17	150	100
2018-07-08 12:15:00	8.93	-8.79			-3.69	-5.8	150	100

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DAILY OBSERVATION REPORT

Report No.:	32	Project File:	MN0832D	Date:	7/9/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — *an affiliate of Geosyntec Consultants*

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: James Burnett

Site Representative: Matt Schallinger

Arrive at Site: 0645hrs. Leave Site: 1815 hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Mostly Cloudy	am	Mostly Sunny	pm
Temperature:	57° F	am	89° F	pm
Wind Direction:	0 SW	am	12 W	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☒	No ☐	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 32 Project File: MN0832D Date: 7/9/2018

Materials Imported and Removed from Work Areas

Soil Removal:

Total Loads today: 20 Total Loads to date: 94

Weight: 500 tons Total Weight to date: ~2342 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 15

Weight: 0 Tons Total Weight to date: ~293 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: 0Tons Total Weight to date: 132 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: 95

Weight: 0 Tons Total Weight to date: 2019 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0645. Attended Recon safety meeting. Matthew Schallinger, Hannah Zafar and Jim Burnett were on site. Attended Recon safety meeting and held initial tailgate safety meeting for Geosyntec. Reviewed tasks and plan for the day.
- HZ and MS calibrated and deployed dust monitors. MS deploys Tisch samplers.
- MS met with Recon and discussed excavation work plan for the day.
- Geosyntec and Recon held conference call to discuss utility support and benching procedure.
- Recon excavated 0-4’ bgs TSCA material beginning in the NW corner on the RPL and worked their way east. 0-2’ non-haz material was excavated in the NW corner and sent to the MSA.
- A total of 20 TSCA trucks were loaded and shipped offsite today. The loading process started in the morning and continued into the early afternoon. Trucks were pressure washed with water on the decon pad before leaving the site. Trucks were manifested once washed and road ready.

Report No.:	32	Project File:	MN0832D	Date:	7/9/2018

- JB observed loading of trucks and issued manifests once the trucks have been inspected.
- The gas line continued to be exposed and painted as excavation moved to the east.
- All trucks leaving the RPL and the MSA were decontaminated before entering the haul road.

PM

- Recon continued to excavate hazardous and non-hazardous material.
- Recon sprayed water along the haul road and the TSCA accumulation pile several times during the day.
- MS collected two bottom samples in phase one and prepared them for shipment.
- Recon began covering piles around 1600 and securing the site.
- MS conducts SWPPP inspection and notifies Recon of action items. A section of 9” wattle in the northern section of the RPL need replacement.

Report No.:	32	Project File:	MN0832D	Date:	7/9/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Brian Kilkenny
- Addison Hofferth
- Brian Balog
- Scott Early
- Rich Tonnucour
- (Recon labor) X18

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- 8x40 Office Trailer
- Portable Toilets
- Hand Wash Stations
- ST-197 Dodge Ram Work Truck
- 8x20 Storage Box
- Trimble GPS System (Base, Rover, Data Collector)
- 8x20 Office Trailer
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 Containments
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Vibratory Hammer
- Roller
- Site F250

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	DEC	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Substantial Completion Date: NA
Completion Date: NA

ITEMS OF CONCERN:

- There was a brief trigger exceedance recorded by the upwind monitor in the RPL today. Recon has continued to spray water on the haul road and piles of material throughout the day. No other exceedances in the RPL or MSA were recorded.

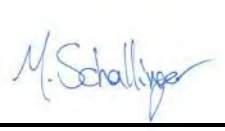
DAILY OBSERVATION REPORT

Report No.:	32	Project File:	MN0832D	Date:	7/9/2018

Site Representative: M. Schallinger

Date: 7/9/2018

Name: (*signature*)



:

Report No.: 32 Project File: MN0832D Date: 7/9/2018

Photo Log

Date : 7/09/2018

TS	
	
TSCA loading from the accumulation pile.	Dumping of non-haz material in the MSA.
	
Decontamination of TSCA trucks at the wash pad.	Current extent of excavation and exposure of gas line.

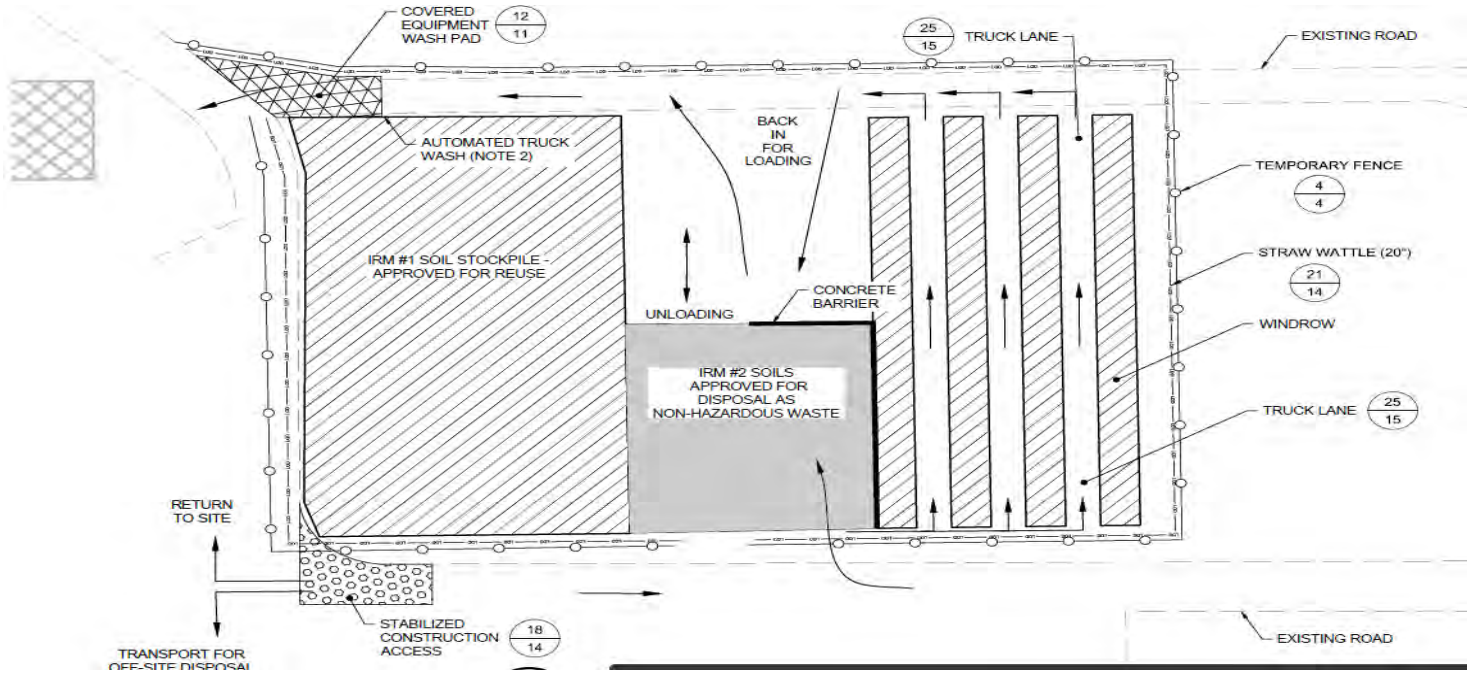
Report No.:	32	Project File:	MN0832D	Date:	7/9/2018

Site Map

Rear Parking Lot

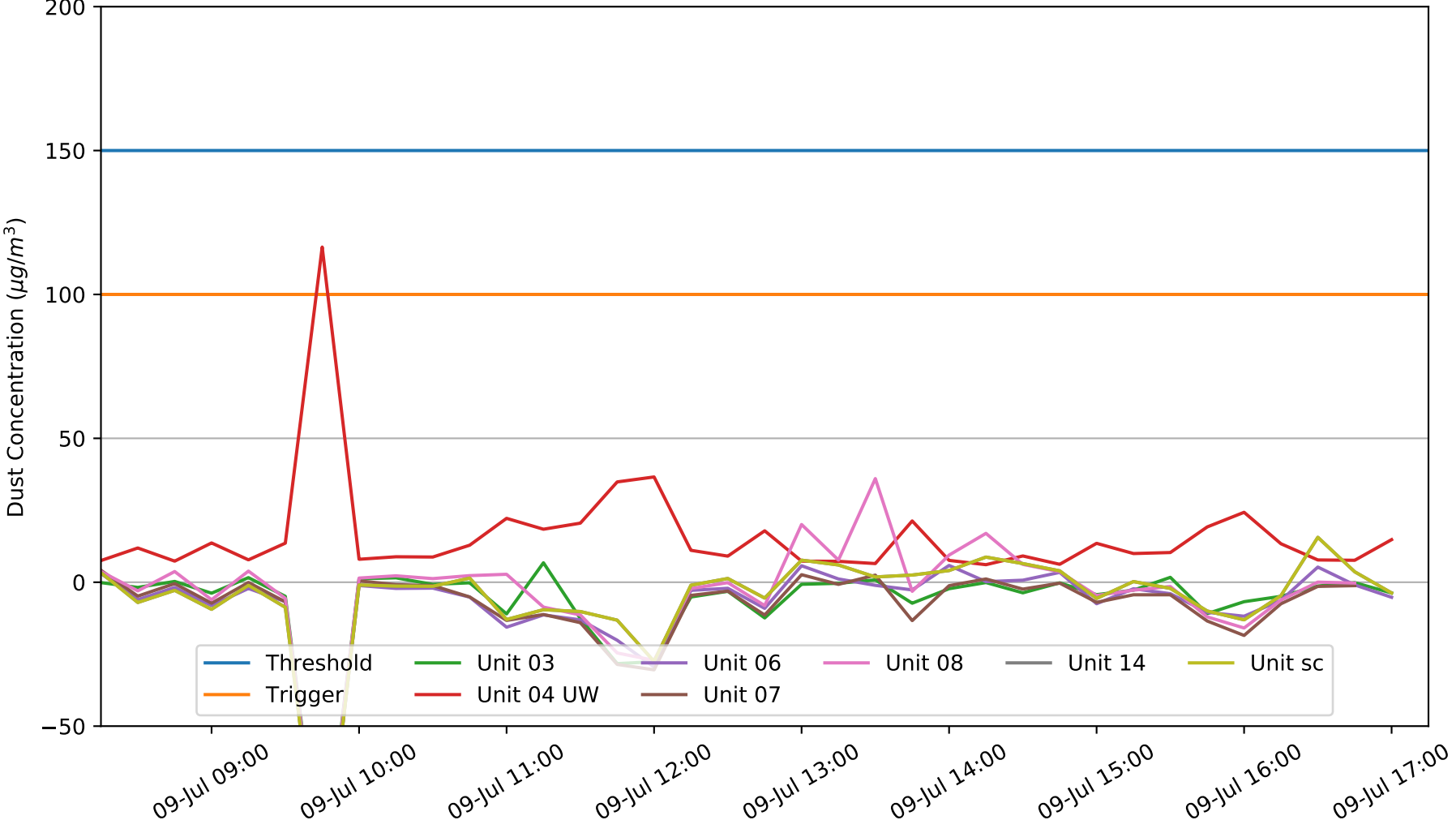


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 09-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 09-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 07	Unit 14	Unit 08	Unit 06	Unit sc	Unit 04 UW	Unit 03	Threshold	Trigger
2018-07-09 08:15:00	4.15	3.32	3.74	3.04	3.32	7.53	-0.13	150	100
2018-07-09 08:30:00	-4.83	-7.03	-3	-6.05	-7.03	11.9	-1.8	150	100
2018-07-09 08:45:00	-0.48	-2.82	3.72	-1.81	-2.82	7.33	0.28	150	100
2018-07-09 09:00:00	-7.28	-9.41	-6.09	-8.09	-9.41	13.65	-3.81	150	100
2018-07-09 09:15:00	-0.08	-1.08	3.87	-2.17	-1.08	7.78	1.6	150	100
2018-07-09 09:30:00	-6.82	-8.71	-5.59	-6.73	-8.71	13.58	-4.9	150	100
2018-07-09 09:45:00	-109.39	-110.96	-107.27	-110.79	-110.96	116.46	-105.81	150	100
2018-07-09 10:00:00	0.47	-0.94	1.45	-1.14	-0.94	7.98	1.21	150	100
2018-07-09 10:15:00	-0.84	-1.34	2.23	-2.15	-1.34	8.85	1.53	150	100
2018-07-09 10:30:00	-1.16	-1.4	1.26	-2.05	-1.4	8.76	-0.75	150	100
2018-07-09 10:45:00	-5.11	1.43	2.3	-5.16	1.43	12.87	-0.2	150	100
2018-07-09 11:00:00	-13.27	-12.95	2.76	-15.62	-12.95	22.2	-11	150	100
2018-07-09 11:15:00	-11.21	-9.55	-8.64	-11.35	-9.55	18.42	6.76	150	100
2018-07-09 11:30:00	-14.05	-10.18	-11.36	-13.07	-10.18	20.53	-12.6	150	100
2018-07-09 11:45:00	-28.55	-13.18	-24.58	-20.15	-13.18	34.86	-28.28	150	100
2018-07-09 12:00:00	-30.43	-27.52	-27.14	-29.44	-27.52	36.58	-27.61	150	100
2018-07-09 12:15:00	-4.57	-1.03	-2.19	-2.83	-1.03	11.09	-5.12	150	100
2018-07-09 12:30:00	-3.08	1.3	-0.14	-2.1	1.3	9.07	-3.15	150	100
2018-07-09 12:45:00	-11.4	-5.5	-8.12	-9.08	-5.5	17.87	-12.41	150	100
2018-07-09 13:00:00	2.62	7.67	20.06	5.73	7.67	7.34	-0.71	150	100
2018-07-09 13:15:00	-0.74	6	7.7	1.14	6	7.26	-0.38	150	100
2018-07-09 13:30:00	2.47	1.83	36.01	-1.08	1.83	6.49	0.82	150	100
2018-07-09 13:45:00	-13.33	2.5	-3.16	-2.66	2.5	21.3	-7.29	150	100
2018-07-09 14:00:00	-1.2	4.06	9.43	5.84	4.06	7.59	-2.25	150	100
2018-07-09 14:15:00	1.14	8.74	16.98	0.21	8.74	6.1	-0.11	150	100
2018-07-09 14:30:00	-2.39	6.48	6.21	0.71	6.48	9.13	-3.68	150	100
2018-07-09 14:45:00	-0.31	3.96	3.63	3.42	3.96	6.23	-0.22	150	100
2018-07-09 15:00:00	-6.98	-5.64	-4.59	-7.47	-5.64	13.52	-4.32	150	100
2018-07-09 15:15:00	-4.36	0.23	-2.77	-2.27	0.23	9.97	-2.75	150	100
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2018-07-09 15:45:00	-13.47	-10	-12.04	-10.46	-10	19.21	-10.91	150	100
2018-07-09 16:00:00	-18.49	-13.06	-15.9	-11.81	-13.06	24.3	-6.76	150	100
2018-07-09 16:15:00	-7.48	-4.65	-6.2	-6.3	-4.65	13.37	-4.9	150	100
2018-07-09 16:30:00	-1.44	15.61	0.04	5.27	15.61	7.74	-1.32	150	100
2018-07-09 16:45:00	-1.19	3.63	-0.3	-0.93	3.63	7.63	-0.14	150	100
2018-07-09 17:00:00		-3.72		-5.23	-3.72	14.8	-3.74	150	100
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3, 6.85, 29.3, 36, 746, 00 , 08:55:03, 09-Jul-2018
4, 6.37, 31.2, 33, 746, 00 , 09:10:03, 09-Jul-2018
5, 7.70, 32.9, 31, 744, 00 , 09:25:03, 09-Jul-2018
6, 6.76, 34.4, 29, 744, 00 , 09:40:03, 09-Jul-2018
7, 7.07, 36.2, 28, 744, 00 , 09:55:03, 09-Jul-2018
8, 8.45, 36.9, 26, 744, 00 , 10:10:03, 09-Jul-2018
9, 8.01, 37.8, 25, 744, 00 , 10:25:03, 09-Jul-2018
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19, 6.47, 40.7, 18, 744, 00 , 12:55:03, 09-Jul-2018
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22, 8.96, 40.4, 18, 742, 00 , 13:40:03, 09-Jul-2018
23, 7.97, 40.5, 16, 742, 00 , 13:55:03, 09-Jul-2018
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27, 5.92, 40.5, 17, 742, 00 , 14:55:03, 09-Jul-2018
28, 6.54, 40.2, 17, 742, 00 , 15:10:03, 09-Jul-2018
29, 5.61, 39.7, 18, 742, 00 , 15:25:03, 09-Jul-2018
30, 5.96, 38.3, 20, 742, 00 , 15:40:03, 09-Jul-2018
31, 5.74, 37.0, 22, 742, 00 , 15:55:03, 09-Jul-2018
32, 5.81, 36.3, 22, 742, 00 , 16:10:03, 09-Jul-2018
33, 5.89, 35.9, 22, 742, 00 , 16:25:03, 09-Jul-2018
34, 6.30, 36.3, 21, 742, 00 , 16:40:03, 09-Jul-2018
35, 6.44, 37.3, 20, 742, 00 , 16:55:03, 09-Jul-2018

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3, 4.51, 17.3, 73, 746, 00 , 08:55:03, 09-Jul-2018
4, 4.24, 17.7, 74, 746, 00 , 09:10:03, 09-Jul-2018
5, 6.70, 18.3, 72, 744, 00 , 09:25:03, 09-Jul-2018
6, 4.87, 19.1, 71, 744, 00 , 09:40:03, 09-Jul-2018
7, 5.50, 20.0, 70, 744, 00 , 09:55:03, 09-Jul-2018
8, 7.04, 21.0, 66, 744, 00 , 10:10:03, 09-Jul-2018
9, 7.51, 22.2, 63, 744, 00 , 10:25:03, 09-Jul-2018
10, 7.36, 24.0, 62, 744, 00 , 10:40:03, 09-Jul-2018
11, 14.30, 26.2, 54, 744, 00 , 10:55:03, 09-Jul-2018
12, 9.25, 28.2, 48, 744, 00 , 11:10:03, 09-Jul-2018
13, 8.87, 30.4, 42, 744, 00 , 11:25:03, 09-Jul-2018
14, 10.35, 32.1, 35, 744, 00 , 11:40:03, 09-Jul-2018
15, 21.68, 33.5, 31, 742, 00 , 11:55:03, 09-Jul-2018
16, 9.06, 34.6, 28, 742, 00 , 12:10:03, 09-Jul-2018
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18, 10.37, 36.5, 24, 742, 00 , 12:40:03, 09-Jul-2018
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22, 8.32, 38.7, 21, 742, 00 , 13:40:03, 09-Jul-2018
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25, 14.84, 39.4, 17, 742, 00 , 14:25:03, 09-Jul-2018
26, 15.61, 40.1, 16, 742, 00 , 14:40:03, 09-Jul-2018
27, 10.19, 40.9, 16, 742, 00 , 14:55:03, 09-Jul-2018
28, 7.88, 41.7, 17, 742, 00 , 15:10:03, 09-Jul-2018
29, 10.20, 43.0, 16, 742, 00 , 15:25:03, 09-Jul-2018
30, 8.18, 44.3, 15, 742, 00 , 15:40:03, 09-Jul-2018
31, 9.21, 45.1, 15, 740, 00 , 15:55:03, 09-Jul-2018
32, 11.24, 45.7, 14, 740, 00 , 16:10:03, 09-Jul-2018
33, 8.72, 45.7, 14, 740, 00 , 16:25:03, 09-Jul-2018
34, 23.35, 46.0, 13, 740, 00 , 16:40:03, 09-Jul-2018
35, 11.26, 45.9, 14, 740, 00 , 16:55:03, 09-Jul-2018
36, 11.08, 46.4, 13, 740, 00 , 17:10:03, 09-Jul-2018

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"Max STEL @ ", 13:51:23 09-Jul-2018
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1, 11.27, 20.1, 58, 744, 01 , 08:25:03, 09-Jul-2018
2, 8.90, 27.1, 40, 744, 00 , 08:40:03, 09-Jul-2018
3, 11.05, 33.4, 28, 744, 00 , 08:55:03, 09-Jul-2018
4, 7.56, 38.1, 22, 744, 00 , 09:10:03, 09-Jul-2018
5, 11.65, 41.6, 18, 744, 00 , 09:25:03, 09-Jul-2018
6, 7.99, 44.5, 16, 744, 00 , 09:40:03, 09-Jul-2018
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14, 9.17, 49.0, 10, 742, 00 , 11:40:03, 09-Jul-2018
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22, 42.50, 35.8, 21, 740, 00 , 13:40:03, 09-Jul-2018
23, 18.14, 35.3, 20, 740, 00 , 13:55:03, 09-Jul-2018
24, 17.02, 34.9, 20, 740, 00 , 14:10:03, 09-Jul-2018
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27, 9.86, 34.5, 21, 740, 00 , 14:55:03, 09-Jul-2018
28, 8.93, 34.5, 22, 740, 00 , 15:10:03, 09-Jul-2018
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33, 7.17, 34.5, 22, 740, 00 , 16:25:03, 09-Jul-2018
34, 7.78, 34.6, 21, 740, 00 , 16:40:03, 09-Jul-2018
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4, 5.56, 15.0, 66, 746, 00 , 09:10:03, 09-Jul-2018
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13, 7.07, 22.3, 46, 746, 02 , 11:25:03, 09-Jul-2018
14, 7.46, 23.0, 41, 746, 00 , 11:40:03, 09-Jul-2018
15, 14.71, 23.4, 38, 746, 00 , 11:55:03, 09-Jul-2018
16, 7.14, 24.0, 37, 744, 02 , 12:10:03, 09-Jul-2018
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19, 8.79, 25.5, 32, 744, 02 , 12:55:03, 09-Jul-2018
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21, 8.40, 26.3, 30, 744, 02 , 13:25:03, 09-Jul-2018
22, 5.41, 26.8, 29, 744, 02 , 13:40:03, 09-Jul-2018
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26, 9.84, 28.6, 24, 744, 02 , 14:40:03, 09-Jul-2018
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31, 8.75, 31.2, 20, 744, 02 , 15:55:03, 09-Jul-2018
32, 12.49, 33.1, 19, 742, 02 , 16:10:03, 09-Jul-2018
33, 7.07, 35.6, 17, 742, 02 , 16:25:03, 09-Jul-2018
34, 13.01, 37.4, 15, 744, 02 , 16:40:03, 09-Jul-2018
35, 6.70, 37.9, 14, 742, 02 , 16:55:03, 09-Jul-2018
36, 9.57, 38.6, 14, 742, 02 , 17:10:03, 09-Jul-2018
37, 3.98, 38.8, 14, 742, 02 , 17:25:03, 09-Jul-2018

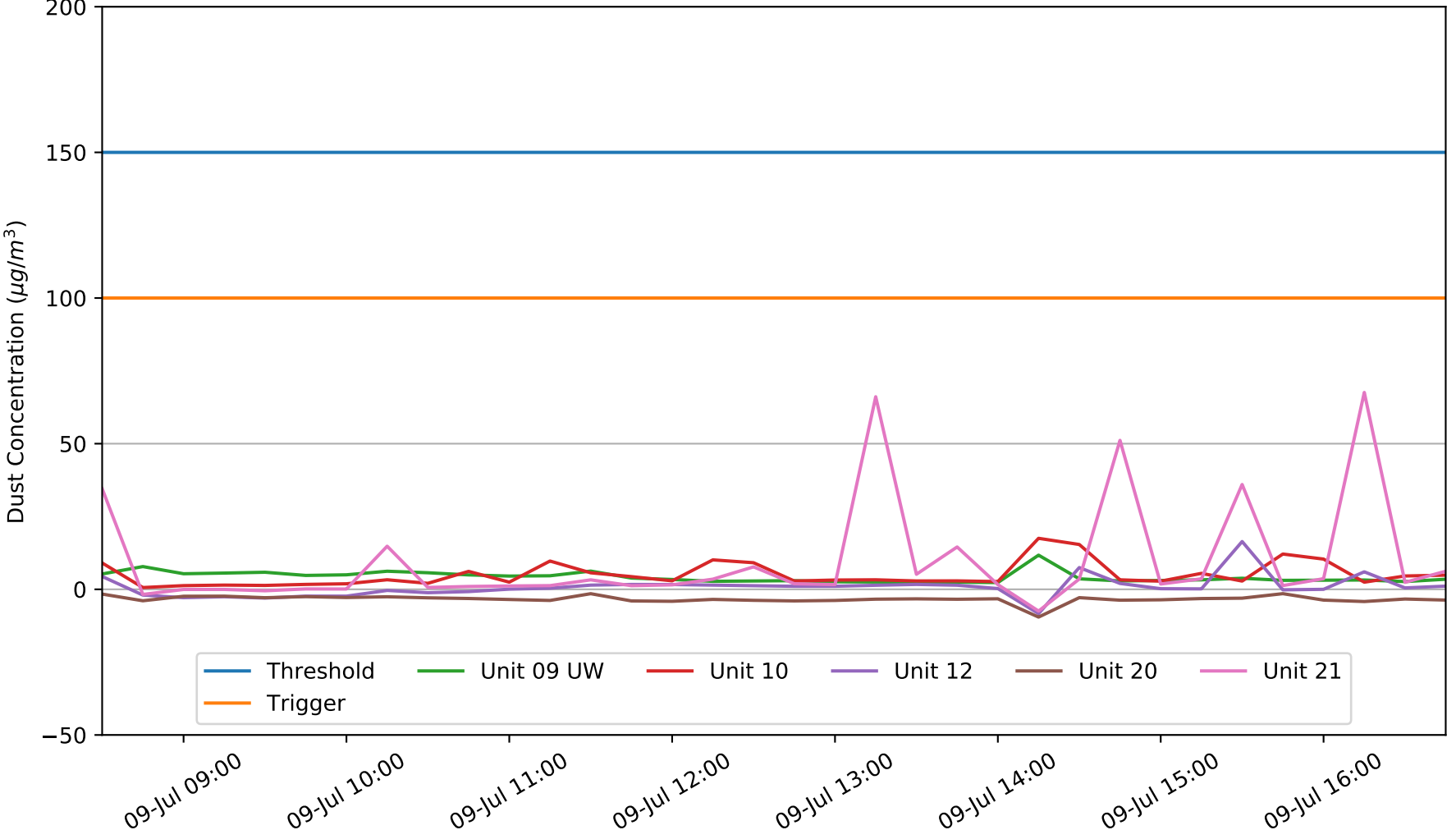
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14, 10.35, 32.1, 35, 744, 00 , 11:40:03, 09-Jul-2018
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24, 11.65, 39.2, 16, 742, 00 , 14:10:03, 09-Jul-2018
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26, 15.61, 40.1, 16, 742, 00 , 14:40:03, 09-Jul-2018
27, 10.19, 40.9, 16, 742, 00 , 14:55:03, 09-Jul-2018
28, 7.88, 41.7, 17, 742, 00 , 15:10:03, 09-Jul-2018
29, 10.20, 43.0, 16, 742, 00 , 15:25:03, 09-Jul-2018
30, 8.18, 44.3, 15, 742, 00 , 15:40:03, 09-Jul-2018
31, 9.21, 45.1, 15, 740, 00 , 15:55:03, 09-Jul-2018
32, 11.24, 45.7, 14, 740, 00 , 16:10:03, 09-Jul-2018
33, 8.72, 45.7, 14, 740, 00 , 16:25:03, 09-Jul-2018
34, 23.35, 46.0, 13, 740, 00 , 16:40:03, 09-Jul-2018
35, 11.26, 45.9, 14, 740, 00 , 16:55:03, 09-Jul-2018
36, 11.08, 46.4, 13, 740, 00 , 17:10:03, 09-Jul-2018

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"Max Disp @ ", 09:52:22 09-Jul-2018
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"Max STEL @ ", 09:53:53 09-Jul-2018
"Avg point ", 16.099983
"ALARM   ", "INSTANT "
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2, 11.90, 23.7, 51, 746, 01 , 08:40:03, 09-Jul-2018
3, 7.33, 25.9, 45, 746, 01 , 08:55:03, 09-Jul-2018
4, 13.65, 27.8, 42, 746, 01 , 09:10:03, 09-Jul-2018
5, 7.78, 29.4, 38, 746, 01 , 09:25:03, 09-Jul-2018
6, 13.58, 30.6, 37, 746, 01 , 09:40:03, 09-Jul-2018
7, 116.46, 31.7, 36, 746, 01 , 09:55:03, 09-Jul-2018
8, 7.98, 32.7, 34, 746, 01 , 10:10:03, 09-Jul-2018
9, 8.85, 33.5, 34, 746, 01 , 10:25:03, 09-Jul-2018
10, 8.76, 34.3, 33, 746, 01 , 10:40:03, 09-Jul-2018
11, 12.87, 35.2, 31, 746, 01 , 10:55:03, 09-Jul-2018
12, 22.20, 35.8, 29, 746, 01 , 11:10:03, 09-Jul-2018
13, 18.42, 36.4, 27, 746, 01 , 11:25:03, 09-Jul-2018
14, 20.53, 36.8, 26, 746, 01 , 11:40:03, 09-Jul-2018
15, 34.86, 37.0, 25, 746, 01 , 11:55:03, 09-Jul-2018
16, 36.58, 37.3, 23, 746, 01 , 12:10:03, 09-Jul-2018
17, 11.09, 37.9, 24, 746, 01 , 12:25:03, 09-Jul-2018
18, 9.07, 38.4, 21, 746, 01 , 12:40:03, 09-Jul-2018
19, 17.87, 38.7, 20, 746, 01 , 12:55:03, 09-Jul-2018
20, 7.34, 38.9, 20, 746, 01 , 13:10:03, 09-Jul-2018
21, 7.26, 38.4, 20, 744, 01 , 13:25:03, 09-Jul-2018
22, 6.49, 38.4, 20, 744, 01 , 13:40:03, 09-Jul-2018
23, 21.30, 38.6, 19, 744, 01 , 13:55:03, 09-Jul-2018
24, 7.59, 38.8, 17, 744, 01 , 14:10:03, 09-Jul-2018
25, 6.10, 38.6, 18, 744, 01 , 14:25:03, 09-Jul-2018
26, 9.13, 38.7, 18, 744, 01 , 14:40:03, 09-Jul-2018
27, 6.23, 38.8, 19, 744, 01 , 14:55:03, 09-Jul-2018
28, 13.52, 38.4, 19, 744, 01 , 15:10:03, 09-Jul-2018
29, 9.97, 38.0, 19, 744, 01 , 15:25:03, 09-Jul-2018
30, 10.32, 38.2, 19, 744, 01 , 15:40:03, 09-Jul-2018
31, 19.21, 38.9, 19, 744, 01 , 15:55:03, 09-Jul-2018
32, 24.30, 39.9, 17, 742, 01 , 16:10:03, 09-Jul-2018
33, 13.37, 40.3, 16, 742, 01 , 16:25:03, 09-Jul-2018
34, 7.74, 40.7, 16, 742, 01 , 16:40:03, 09-Jul-2018
35, 7.63, 40.5, 16, 742, 01 , 16:55:03, 09-Jul-2018
36, 14.80, 40.3, 16, 742, 01 , 17:10:03, 09-Jul-2018

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"Max STEL ", 26.404781
"Max STEL @ ", 11:22:33 09-Jul-2018
"Avg point ", 9.002356
"ALARM ", "INSTANT "
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"Errors ", 0000
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"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 7.40, 25.3, 46, 744, 01 , 08:25:03, 09-Jul-2018
2, 10.10, 27.7, 42, 744, 00 , 08:40:03, 09-Jul-2018
3, 7.61, 28.5, 40, 744, 00 , 08:55:03, 09-Jul-2018
4, 9.84, 29.7, 39, 744, 00 , 09:10:03, 09-Jul-2018
5, 9.38, 31.0, 36, 744, 00 , 09:25:03, 09-Jul-2018
6, 8.68, 31.7, 36, 744, 00 , 09:40:03, 09-Jul-2018
7, 10.65, 33.6, 34, 744, 00 , 09:55:03, 09-Jul-2018
8, 9.19, 34.4, 32, 744, 00 , 10:10:03, 09-Jul-2018
9, 10.38, 35.4, 31, 744, 00 , 10:25:03, 09-Jul-2018
10, 8.01, 36.1, 30, 744, 00 , 10:40:03, 09-Jul-2018
11, 12.67, 36.4, 29, 744, 00 , 10:55:03, 09-Jul-2018
12, 11.20, 37.0, 28, 744, 00 , 11:10:03, 09-Jul-2018
13, 25.18, 37.3, 26, 744, 00 , 11:25:03, 09-Jul-2018
14, 7.93, 38.5, 24, 744, 00 , 11:40:03, 09-Jul-2018
15, 6.58, 39.6, 22, 744, 00 , 11:55:03, 09-Jul-2018
16, 8.97, 40.1, 21, 744, 00 , 12:10:03, 09-Jul-2018
17, 5.97, 40.1, 22, 744, 00 , 12:25:03, 09-Jul-2018
18, 5.92, 40.5, 20, 744, 00 , 12:40:03, 09-Jul-2018
19, 5.46, 39.9, 20, 744, 00 , 12:55:03, 09-Jul-2018
20, 6.63, 39.7, 20, 744, 00 , 13:10:03, 09-Jul-2018
21, 6.88, 39.2, 20, 742, 00 , 13:25:03, 09-Jul-2018
22, 7.31, 38.7, 21, 742, 00 , 13:40:03, 09-Jul-2018
23, 14.01, 38.8, 19, 742, 00 , 13:55:03, 09-Jul-2018
24, 5.34, 39.0, 18, 742, 00 , 14:10:03, 09-Jul-2018
25, 5.99, 39.4, 18, 742, 00 , 14:25:03, 09-Jul-2018
26, 5.45, 39.5, 18, 742, 00 , 14:40:03, 09-Jul-2018
27, 6.01, 40.1, 19, 742, 00 , 14:55:03, 09-Jul-2018
28, 9.20, 39.7, 19, 742, 00 , 15:10:03, 09-Jul-2018
29, 7.22, 38.7, 19, 742, 00 , 15:25:03, 09-Jul-2018
30, 12.02, 38.2, 20, 742, 00 , 15:40:03, 09-Jul-2018
31, 8.30, 37.9, 21, 742, 00 , 15:55:03, 09-Jul-2018
32, 17.54, 37.7, 21, 742, 00 , 16:10:03, 09-Jul-2018
33, 8.47, 37.5, 21, 742, 00 , 16:25:03, 09-Jul-2018
34, 6.42, 37.4, 21, 742, 00 , 16:40:03, 09-Jul-2018
35, 7.49, 37.0, 21, 742, 00 , 16:55:03, 09-Jul-2018
36, 11.06, 36.7, 22, 740, 00 , 17:10:03, 09-Jul-2018
37, 6.63, 36.6, 23, 740, 00 , 17:25:03, 09-Jul-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 09-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 09-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 10	Unit 20	Unit 09 UW	Unit 21	Unit 12	Threshold	Trigger
2018-07-09 08:30:00	9.05	-1.63	5.27	34.54	4.41	150	100
2018-07-09 08:45:00	0.61	-3.93	7.81	-1.75	-1.97	150	100
2018-07-09 09:00:00	1.27	-2.38	5.35	-0.05	-2.87	150	100
2018-07-09 09:15:00	1.45	-2.35	5.58	-0.04	-2.55	150	100
2018-07-09 09:30:00	1.34	-2.88	5.86	-0.5	-3.01	150	100
2018-07-09 09:45:00	1.69	-2.51	4.77	0.13	-2.34	150	100
2018-07-09 10:00:00	1.9	-2.81	4.98	0.1	-2.34	150	100
2018-07-09 10:15:00	3.28	-2.56	6.21	14.8	-0.38	150	100
2018-07-09 10:30:00	2.06	-2.92	5.69	0.64	-1.16	150	100
2018-07-09 10:45:00	6.16	-3.15	4.95	0.98	-0.78	150	100
2018-07-09 11:00:00	2.46	-3.49	4.55	1.15	0.06	150	100
2018-07-09 11:15:00	9.71	-3.82	4.65	1.27	0.37	150	100
2018-07-09 11:30:00	5.67	-1.5	6.26	3.25	1.44	150	100
2018-07-09 11:45:00	4.36	-3.99	3.86	1.25	1.67	150	100
2018-07-09 12:00:00	2.91	-4.11	3.38	1.53	1.64	150	100
2018-07-09 12:15:00	10.11	-3.46	2.74	3.49	1.44	150	100
2018-07-09 12:30:00	9.13	-3.78	2.86	7.71	1.24	150	100
2018-07-09 12:45:00	2.86	-3.98	2.97	1.92	1.04	150	100
2018-07-09 13:00:00	3.19	-3.82	2.57	1.63	1.05	150	100
2018-07-09 13:15:00	3.27	-3.38	2.52	66.11	1.39	150	100
2018-07-09 13:30:00	2.87	-3.27	2.44	5.17	1.68	150	100
2018-07-09 13:45:00	2.9	-3.41	2.44	14.54	1.41	150	100
2018-07-09 14:00:00	2.66	-3.25	2.32	1.62	0.26	150	100
2018-07-09 14:15:00	17.51	-9.53	11.73	-7.47	-8.35	150	100
2018-07-09 14:30:00	15.39	-2.86	3.6	3.54	7.47	150	100
2018-07-09 14:45:00	3.26	-3.73	2.88	51.14	2.02	150	100
2018-07-09 15:00:00	2.8	-3.6	3.04	1.82	0.21	150	100
2018-07-09 15:15:00	5.48	-3.17	3.25	3.6	0.15	150	100
2018-07-09 15:30:00	2.83	-3.04	3.8	35.99	16.41	150	100
2018-07-09 15:45:00	12.11	-1.49	3.08	1.28	-0.18	150	100
2018-07-09 16:00:00	10.38	-3.7	3.13	3.65	0	150	100
2018-07-09 16:15:00	2.45	-4.19	3.2	67.59	6.01	150	100
2018-07-09 16:30:00	4.58	-3.33	2.66	2.4	0.49	150	100
2018-07-09 16:45:00	4.86	-3.69	3.46	6.21	1.09	150	100

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"Max STEL @ ", 14:17:33 09-Jul-2018
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3, 6.62, 28.2, 36, 744, 00 , 09:00:03, 09-Jul-2018
4, 7.03, 29.3, 35, 744, 00 , 09:15:03, 09-Jul-2018
5, 7.20, 30.4, 33, 744, 00 , 09:30:03, 09-Jul-2018
6, 6.46, 31.1, 33, 744, 00 , 09:45:03, 09-Jul-2018
7, 6.88, 32.0, 32, 744, 00 , 10:00:03, 09-Jul-2018
8, 9.49, 32.5, 32, 744, 00 , 10:15:03, 09-Jul-2018
9, 7.75, 33.2, 30, 744, 00 , 10:30:03, 09-Jul-2018
10, 11.11, 34.6, 28, 744, 00 , 10:45:03, 09-Jul-2018
11, 7.01, 36.2, 26, 744, 00 , 11:00:03, 09-Jul-2018
12, 14.36, 36.5, 25, 744, 00 , 11:15:03, 09-Jul-2018
13, 11.93, 36.6, 24, 742, 00 , 11:30:03, 09-Jul-2018
14, 8.22, 37.7, 23, 742, 00 , 11:45:03, 09-Jul-2018
15, 6.29, 38.8, 21, 742, 00 , 12:00:03, 09-Jul-2018
16, 12.85, 38.5, 20, 742, 00 , 12:15:03, 09-Jul-2018
17, 11.99, 37.6, 21, 742, 00 , 12:30:03, 09-Jul-2018
18, 5.83, 37.4, 21, 742, 00 , 12:45:03, 09-Jul-2018
19, 5.76, 37.7, 19, 742, 00 , 13:00:03, 09-Jul-2018
20, 5.79, 37.4, 19, 742, 00 , 13:15:03, 09-Jul-2018
21, 5.31, 36.8, 20, 742, 00 , 13:30:03, 09-Jul-2018
22, 5.34, 36.9, 19, 742, 00 , 13:45:03, 09-Jul-2018
23, 4.98, 37.1, 18, 742, 00 , 14:00:03, 09-Jul-2018
24, 29.24, 37.5, 17, 742, 00 , 14:15:03, 09-Jul-2018
25, 18.99, 38.0, 16, 742, 00 , 14:30:03, 09-Jul-2018
26, 6.14, 38.7, 16, 742, 00 , 14:45:03, 09-Jul-2018
27, 5.84, 39.0, 17, 742, 00 , 15:00:03, 09-Jul-2018
28, 8.73, 39.7, 16, 742, 00 , 15:15:03, 09-Jul-2018
29, 6.63, 39.7, 15, 740, 00 , 15:30:03, 09-Jul-2018
30, 15.19, 39.6, 15, 740, 00 , 15:45:03, 09-Jul-2018
31, 13.51, 40.4, 15, 740, 00 , 16:00:03, 09-Jul-2018
32, 5.65, 40.9, 15, 740, 00 , 16:15:03, 09-Jul-2018
33, 7.24, 41.4, 15, 740, 00 , 16:30:03, 09-Jul-2018
34, 8.32, 41.3, 14, 740, 00 , 16:45:03, 09-Jul-2018

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"Max STEL   ", 4.835876
"Max STEL @ ", 11:31:13 09-Jul-2018
"Avg point ", 0.857467
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
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"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
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    3,   2.97, 28.1,   29,   746, 00 , 09:00:03, 09-Jul-2018
    4,   3.23, 29.2,   27,   746, 00 , 09:15:03, 09-Jul-2018
    5,   2.98, 30.2,   27,   746, 00 , 09:30:03, 09-Jul-2018
    6,   2.26, 31.2,   26,   746, 00 , 09:45:03, 09-Jul-2018
    7,   2.17, 32.0,   25,   744, 00 , 10:00:03, 09-Jul-2018
    8,   3.65, 32.7,   25,   744, 00 , 10:15:03, 09-Jul-2018
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   11,   1.06, 36.4,   20,   744, 00 , 11:00:03, 09-Jul-2018
   12,   0.83, 37.0,   18,   744, 00 , 11:15:03, 09-Jul-2018
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   14,   -0.13, 38.5,   16,   744, 00 , 11:45:03, 09-Jul-2018
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   17,   -0.92, 39.1,   13,   744, 00 , 12:30:03, 09-Jul-2018
   18,   -1.01, 38.9,   13,   744, 00 , 12:45:03, 09-Jul-2018
   19,   -1.25, 39.1,   11,   744, 00 , 13:00:03, 09-Jul-2018
   20,   -0.86, 38.6,   12,   744, 00 , 13:15:03, 09-Jul-2018
   21,   -0.83, 38.1,   12,   742, 00 , 13:30:03, 09-Jul-2018
   22,   -0.97, 37.5,   12,   742, 00 , 13:45:03, 09-Jul-2018
   23,   -0.93, 37.0,   11,   742, 00 , 14:00:03, 09-Jul-2018
   24,   2.20, 36.8,   12,   742, 00 , 14:15:03, 09-Jul-2018
   25,   0.74, 37.2,   11,   742, 00 , 14:30:03, 09-Jul-2018
   26,   -0.85, 37.8,   11,   742, 00 , 14:45:03, 09-Jul-2018
   27,   -0.56, 37.7,   11,   742, 00 , 15:00:03, 09-Jul-2018
   28,   0.08, 38.1,   11,   742, 00 , 15:15:03, 09-Jul-2018
   29,   0.76, 38.2,   10,   742, 00 , 15:30:03, 09-Jul-2018
   30,   1.59, 38.3,   10,   742, 00 , 15:45:03, 09-Jul-2018
   31,   -0.57, 38.7,   10,   742, 00 , 16:00:03, 09-Jul-2018
   32,   -0.99, 39.2,   10,   742, 00 , 16:15:03, 09-Jul-2018
   33,   -0.67, 39.6,   10,   742, 00 , 16:30:03, 09-Jul-2018
   34,   -0.23, 39.5,   9,   742, 00 , 16:45:03, 09-Jul-2018

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"Max Disp @ ", 14:07:37 09-Jul-2018
"Max STEL   ", 12.205149
"Max STEL @ ", 14:21:33 09-Jul-2018
"Avg point ", 4.231130
"ALARM   ", "INSTANT "
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"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
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2, 7.81, 22.8, 49, 744, 00 , 08:45:03, 09-Jul-2018
3, 5.35, 23.3, 49, 744, 00 , 09:00:03, 09-Jul-2018
4, 5.58, 23.6, 49, 744, 00 , 09:15:03, 09-Jul-2018
5, 5.86, 24.3, 49, 744, 00 , 09:30:03, 09-Jul-2018
6, 4.77, 25.0, 48, 744, 00 , 09:45:03, 09-Jul-2018
7, 4.98, 25.8, 48, 744, 00 , 10:00:03, 09-Jul-2018
8, 6.21, 26.8, 46, 744, 00 , 10:15:03, 09-Jul-2018
9, 5.69, 27.5, 46, 744, 00 , 10:30:03, 09-Jul-2018
10, 4.95, 28.2, 46, 744, 00 , 10:45:03, 09-Jul-2018
11, 4.55, 29.6, 43, 744, 00 , 11:00:03, 09-Jul-2018
12, 4.65, 30.6, 39, 742, 00 , 11:15:03, 09-Jul-2018
13, 6.26, 31.2, 37, 742, 00 , 11:30:03, 09-Jul-2018
14, 3.86, 32.1, 34, 742, 00 , 11:45:03, 09-Jul-2018
15, 3.38, 33.3, 33, 742, 00 , 12:00:03, 09-Jul-2018
16, 2.74, 34.4, 31, 742, 00 , 12:15:03, 09-Jul-2018
17, 2.86, 35.2, 30, 742, 00 , 12:30:03, 09-Jul-2018
18, 2.97, 35.9, 29, 742, 00 , 12:45:03, 09-Jul-2018
19, 2.57, 36.2, 27, 742, 00 , 13:00:03, 09-Jul-2018
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DAILY OBSERVATION REPORT

Report No.:	33	Project File:	MN0832D	Date:	7/10/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — *an affiliate of Geosyntec Consultants*

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: James Burnett

Site Representative: Matt Schallinger

Arrive at Site: 0645hrs. Leave Site: 1800 hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Sunny, Clear	am	Increasing Clouds	pm
Temperature:	61° F	am	88° F	pm
Wind Direction:	0 SW	am	NW	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☒	No ☐	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 33 Project File: MN0832D Date: 7/10/2018

Materials Imported and Removed from Work Areas

Soil Removal:

Total Loads today: 10 Total Loads to date: 104

Weight: 250 tons Total Weight to date: ~2592 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 15

Weight: 0 Tons Total Weight to date: ~293 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: 0Tons Total Weight to date: 132 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: 95

Weight: 0 Tons Total Weight to date: 2019 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0645. Attended Recon safety meeting. Matthew Schallinger, Hannah Zafar and Jim Burnett were on site. Attended Recon safety meeting and held initial tailgate safety meeting for Geosyntec. Reviewed tasks and plan for the day.
- MS meets with Recon and discusses excavation work plan for the day.
- HZ and MS calibrated and deployed dust monitors in the MSA and RPL.
- Recon moved pile 104 from staging area in RPL to the MSA.
- Tim Cleary of Atlantic Testing onsite to collect proctors from reuse pile in MSA. 4 samples were collected in 5-gal buckets from the IRM1 reuse pile.
- Geosyntec and Recon field staff attended weekly progress meeting with Unisys. Discussed the need to leave a geocomposite layer under the demarcation layer before backfilling begins, which is scheduled to begin this Thursday.

Report No.:	33	Project File:	MN0832D	Date:	7/10/2018

Recon needs to take as-built survey of excavation extent before backfilling begins. Backfilling is still expected to begin on Thursday 7/12/18.

- Recon continued to excavate 2-8' bgs TSCA material in the RPL and worked their way east in phase one. Some 8-10' bgs TSCA material was also removed from phase one. Additionally, Recon excavated 2-4' and 6-10' bgs non-haz material from phase one and transported to the MSA.
- Recon placed geotextile fabric and plastic sheeting over non-hazardous areas of the RPL to transit TSCA equipment over those areas.
- Amanda Castignetti of Sterling Environmental and Scott Williams of NYSDEC onsite.
- A total of 10 TSCA trucks were loaded and shipped offsite today. The loading process started in the morning and continued into the early afternoon. Trucks were pressure washed with water on the decon pad before leaving the site.
- JB observed loading of trucks and issues manifests once the trucks have been inspected.
- The gas line continued to be exposed and painted as excavation moved to the east.
- All trucks leaving the RPL and the MSA were decontaminated before entering the haul road.

PM

- Recon continued to excavate hazardous and non-hazardous material.
- MS met with Scott Williams of NYSDEC and reviewed current extent of excavation and associated figures. NYSDEC expressed concern that NYSEG was not onsite monitoring gas-line exposure. Bill of Recon informed NYSDEC that NYSEG was notified prior to beginning gas line work.
- HZ inspected dust monitors.
- Recon sprayed water along the haul road and the TSCA accumulation pile several times during the day. Recon sprayed water inside the RPL haul road.
- MS collected one bottoms sample.
- Jason Plumley of Welliver on site. Met with Recon to review excavation progress and scheduled turnover date. Recon and JP discussed turnover criteria.
- MS and Recon held end of day meeting and discuss upcoming activities and planning for tomorrow.
- Recon began covering piles around 1630 and securing the site.
- MS and HZ collected dust monitors and extracted data.

Report No.: 33 Project File: MN0832D Date: 7/10/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Brian Kilkenny
- Addison Hofferth
- Brian Balog
- Scott Early
- Rich Tonnucour
- (Recon labor) X18

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- 8x40 Office Trailer
- Portable Toilets
- Hand Wash Stations
- ST-197 Dodge Ram Work Truck
- 8x20 Storage Box
- Trimble GPS System (Base, Rover, Data Collector)
- 8x20 Office Trailer
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 Containments
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Vibratory Hammer
- Roller
- Site F250

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	DEC	Yes
Amanda Castignetti	Sterling Environmental	Yes
Jason Plumley	Welliver	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Substantial Completion Date: NA
Completion Date: NA

ITEMS OF CONCERN:

- There was a brief trigger exceedance recorded by a downwind monitor in the MSA today. This reading occurred in the late afternoon. Recon continues to spray water on the haul road and piles of material throughout the day. No other exceedances in the RPL were recorded.

Report No.:	33	Project File:	MN0832D	Date:	7/10/2018

Site Representative: M. Schallinger Date: 7/10/2018

Name: (*signature*) 

:

DAILY OBSERVATION REPORT

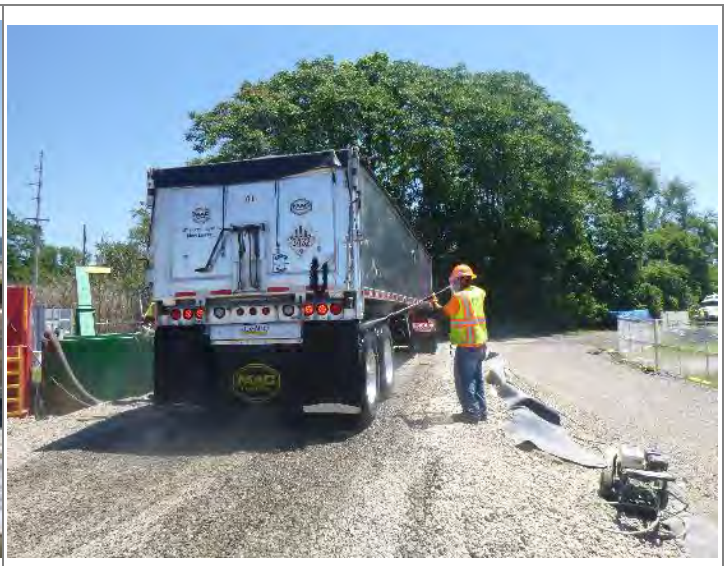
Report No.:	33	Project File:	MN0832D	Date:	7/10/2018

Photo Log

Date : 7/10/2018



Recon moving pile 104 to the MSA



Recon pressure washing the TSCA trucks.



Current extent of excavation with gas line exposure. View is looking east.



Recon covering the TSCA accumulation pile at days end.

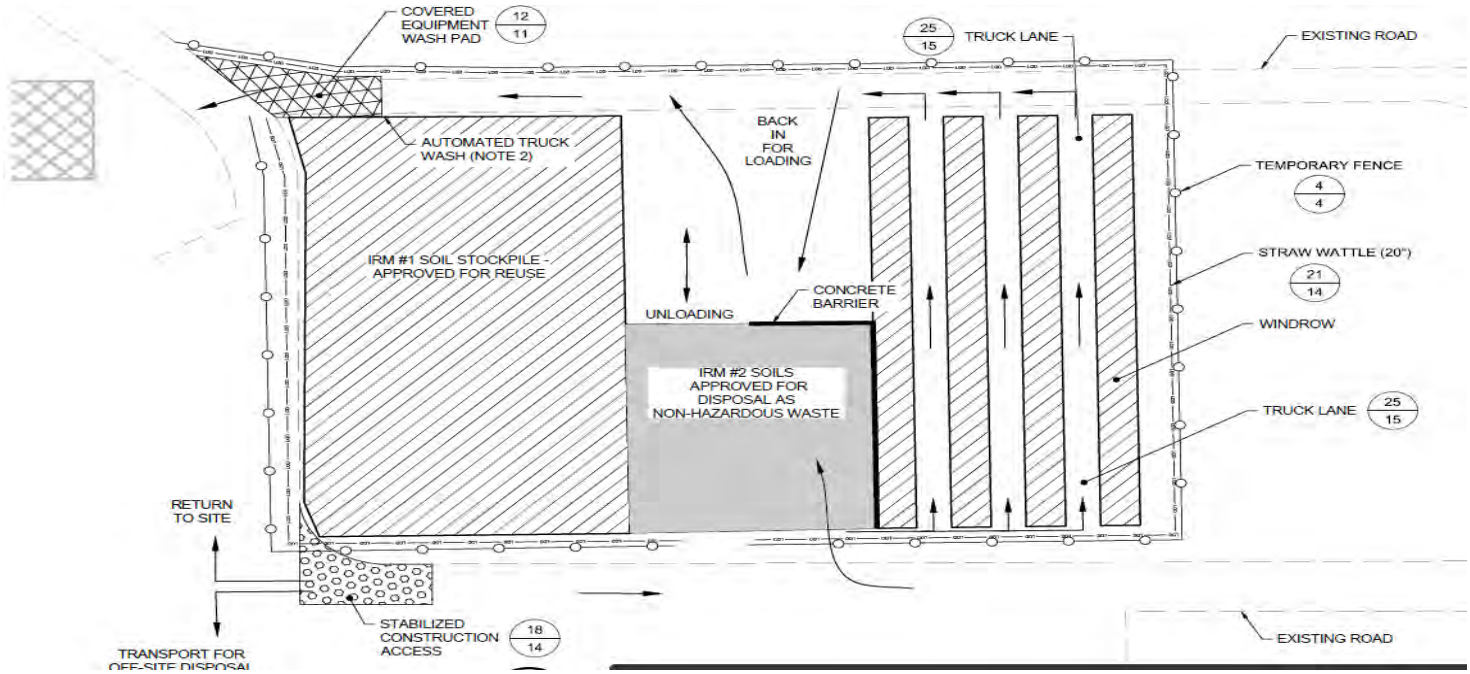
Report No.:	33	Project File:	MN0832D	Date:	7/10/2018

Site Map

Rear Parking Lot

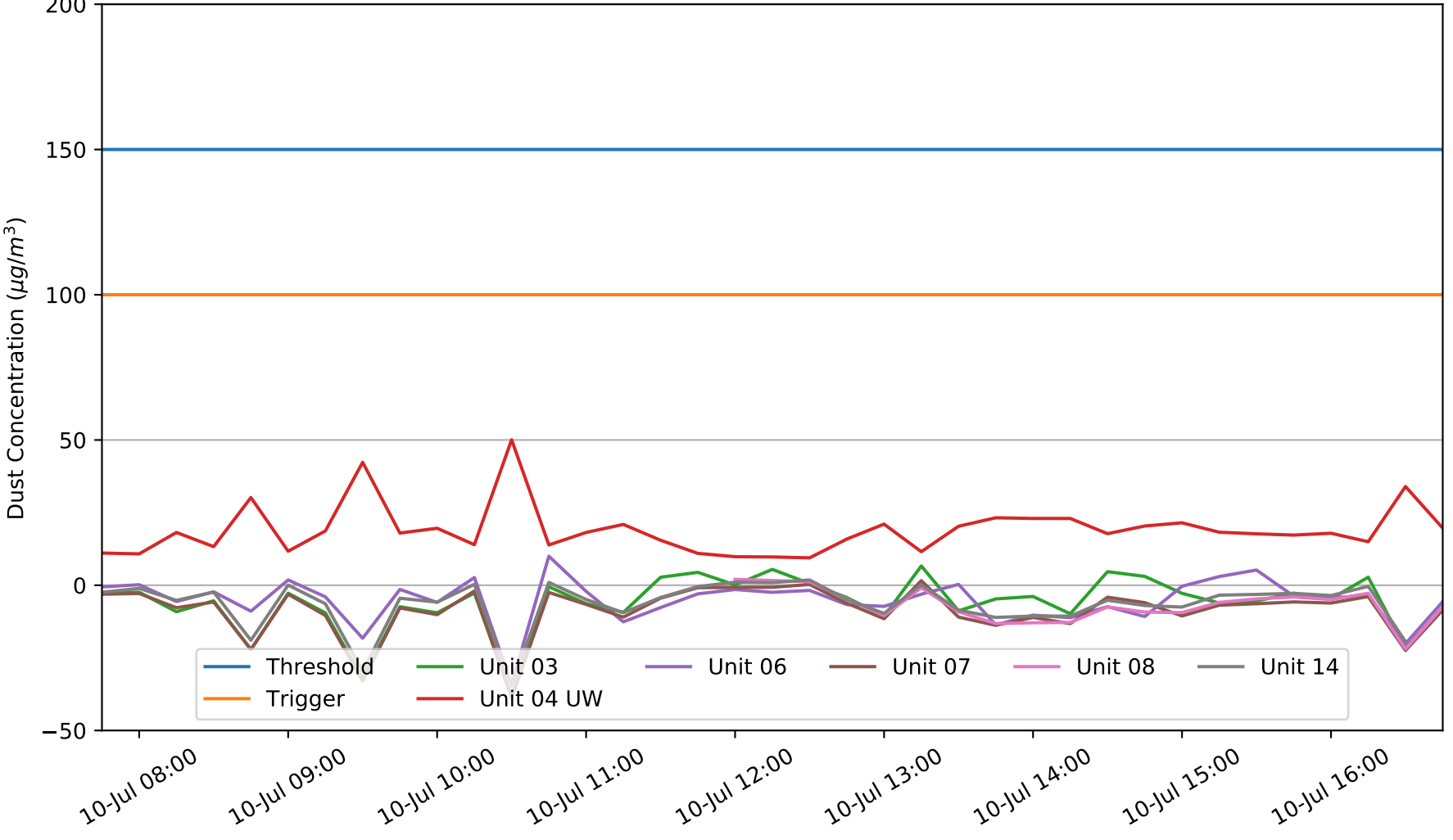


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 10-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 10-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 03	Unit 04 UW	Unit 14	Unit 08	Unit 06	Unit 07	Threshold	Trigger
2018-07-10 07:45:00	-2.53	11.08	-2.42		-0.56	-3.09	150	100
2018-07-10 08:00:00	-2.4	10.8	-1.08		0.18	-2.84	150	100
2018-07-10 08:15:00	-9.12	18.17	-5.21		-5.61	-7.74	150	100
2018-07-10 08:30:00	-5.36	13.29	-2.33		-2.27	-5.77	150	100
2018-07-10 08:45:00	-22.21	30.19	-18.94		-8.93	-22.04	150	100
2018-07-10 09:00:00	-2.73	11.72	0.05		1.82	-3.09	150	100
2018-07-10 09:15:00	-9.53	18.69	-6.38		-4	-10.41	150	100
2018-07-10 09:30:00	-32.09	42.32	-29.65		-18.26	-32.94	150	100
2018-07-10 09:45:00	-7.4	17.96	-4.47		-1.43	-7.81	150	100
2018-07-10 10:00:00	-9.5	19.62	-5.82		-5.92	-10.13	150	100
2018-07-10 10:15:00	-2.66	13.96	0.31		2.66	-2	150	100
2018-07-10 10:30:00	-38.36	50.08	-34.75		-34.11	-38.81	150	100
2018-07-10 10:45:00	-0.49	13.87	0.98		9.99	-2.48	150	100
2018-07-10 11:00:00	-6.34	18.17	-4.9		-2.1	-6.6	150	100
2018-07-10 11:15:00	-9.34	20.94	-9.45		-12.6	-10.99	150	100
2018-07-10 11:30:00	2.75	15.49	-4.21		-7.68	-4.44	150	100
2018-07-10 11:45:00	4.44	10.97	-0.46		-2.96	-0.84	150	100
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2018-07-10 12:15:00	5.46	9.74	0.89	1.63	-2.43	-0.7	150	100
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2018-07-10 13:00:00	-10.68	21.04	-9.7	-10.47	-7.27	-11.53	150	100
2018-07-10 13:15:00	6.62	11.55	0.16	-0.85	-3.08	1.57	150	100
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2018-07-10 14:00:00	-3.86	23	-10.61	-12.92	-10.3	-11.1	150	100
2018-07-10 14:15:00	-9.84	22.99	-10.62	-12.8	-11.15	-13.21	150	100
2018-07-10 14:30:00	4.67	17.75	-5.16	-7.45	-7.36	-4.11	150	100
2018-07-10 14:45:00	3.05	20.39	-6.98	-9.23	-10.77	-6	150	100
2018-07-10 15:00:00	-2.79	21.49	-7.51	-9.41	-0.35	-10.57	150	100
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2018-07-10 15:45:00	-2.76	17.27	-2.78	-4.03	-3.75	-5.74	150	100
2018-07-10 16:00:00	-4.69	17.9	-3.54	-4.92	-4.25	-6.12	150	100
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19, 15.20, 30.9, 41, 738, 00 , 12:25:03, 10-Jul-2018
20, 10.02, 31.6, 41, 738, 00 , 12:40:03, 10-Jul-2018
21, 11.67, 32.1, 40, 738, 00 , 12:55:03, 10-Jul-2018
22, 10.36, 32.5, 40, 738, 00 , 13:10:03, 10-Jul-2018
23, 18.17, 32.7, 39, 738, 00 , 13:25:03, 10-Jul-2018
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35, 17.76, 34.3, 39, 736, 00 , 16:25:03, 10-Jul-2018
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37, 12.12, 37.5, 35, 736, 00 , 16:55:03, 10-Jul-2018

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3, 18.17, 23.3, 60, 740, 01 , 08:25:03, 10-Jul-2018
4, 13.29, 26.4, 51, 740, 01 , 08:40:03, 10-Jul-2018
5, 30.19, 28.8, 46, 740, 01 , 08:55:03, 10-Jul-2018
6, 11.72, 30.7, 41, 740, 01 , 09:10:03, 10-Jul-2018
7, 18.69, 31.6, 40, 740, 01 , 09:25:03, 10-Jul-2018
8, 42.32, 33.4, 37, 740, 01 , 09:40:03, 10-Jul-2018
9, 17.96, 34.9, 35, 740, 01 , 09:55:03, 10-Jul-2018
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13, 13.87, 37.9, 32, 740, 01 , 10:55:03, 10-Jul-2018
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15, 20.94, 38.7, 28, 740, 01 , 11:25:03, 10-Jul-2018
16, 15.49, 38.8, 27, 740, 01 , 11:40:03, 10-Jul-2018
17, 10.97, 39.0, 26, 740, 01 , 11:55:03, 10-Jul-2018
18, 9.82, 38.9, 26, 740, 01 , 12:10:03, 10-Jul-2018
19, 9.74, 39.1, 25, 740, 01 , 12:25:03, 10-Jul-2018
20, 9.43, 39.7, 25, 740, 01 , 12:40:03, 10-Jul-2018
21, 15.89, 40.2, 23, 740, 01 , 12:55:03, 10-Jul-2018
22, 21.04, 39.3, 26, 738, 01 , 13:10:03, 10-Jul-2018
23, 11.55, 38.9, 27, 738, 01 , 13:25:03, 10-Jul-2018
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25, 23.22, 38.0, 28, 738, 01 , 13:55:03, 10-Jul-2018
26, 23.00, 37.8, 28, 738, 01 , 14:10:03, 10-Jul-2018
27, 22.99, 37.8, 28, 738, 01 , 14:25:03, 10-Jul-2018
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29, 20.39, 38.4, 29, 738, 01 , 14:55:03, 10-Jul-2018
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31, 18.25, 39.0, 29, 738, 01 , 15:25:03, 10-Jul-2018
32, 17.70, 38.1, 30, 738, 01 , 15:40:03, 10-Jul-2018
33, 17.27, 36.7, 32, 738, 01 , 15:55:03, 10-Jul-2018
34, 17.90, 36.7, 33, 738, 01 , 16:10:03, 10-Jul-2018
35, 14.98, 36.4, 33, 738, 01 , 16:25:03, 10-Jul-2018
36, 33.99, 37.2, 34, 738, 01 , 16:40:03, 10-Jul-2018
37, 19.67, 37.5, 34, 738, 01 , 16:55:03, 10-Jul-2018

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3, 12.96, 23.7, 57, 738, 00 , 08:25:03, 10-Jul-2018
4, 10.96, 25.5, 53, 738, 00 , 08:40:03, 10-Jul-2018
5, 11.25, 27.8, 47, 738, 00 , 08:55:03, 10-Jul-2018
6, 11.77, 29.3, 43, 738, 00 , 09:10:03, 10-Jul-2018
7, 12.31, 30.1, 42, 738, 00 , 09:25:03, 10-Jul-2018
8, 12.67, 31.9, 39, 738, 00 , 09:40:03, 10-Jul-2018
9, 13.49, 34.4, 35, 738, 00 , 09:55:03, 10-Jul-2018
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16, 11.28, 40.5, 24, 738, 00 , 11:40:03, 10-Jul-2018
17, 10.51, 40.3, 23, 738, 00 , 11:55:03, 10-Jul-2018
18, 10.87, 40.0, 24, 736, 00 , 12:10:03, 10-Jul-2018
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21, 10.97, 40.3, 24, 736, 00 , 12:55:03, 10-Jul-2018
22, 11.34, 39.2, 25, 736, 00 , 13:10:03, 10-Jul-2018
23, 11.71, 38.8, 25, 736, 00 , 13:25:03, 10-Jul-2018
24, 11.74, 38.1, 26, 736, 00 , 13:40:03, 10-Jul-2018
25, 12.14, 36.9, 28, 736, 00 , 13:55:03, 10-Jul-2018
26, 12.39, 36.7, 29, 736, 00 , 14:10:03, 10-Jul-2018
27, 12.37, 37.3, 28, 736, 00 , 14:25:03, 10-Jul-2018
28, 12.59, 37.8, 27, 736, 00 , 14:40:03, 10-Jul-2018
29, 13.41, 38.2, 27, 736, 00 , 14:55:03, 10-Jul-2018
30, 13.98, 37.4, 30, 736, 00 , 15:10:03, 10-Jul-2018
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32, 14.54, 35.4, 34, 736, 00 , 15:40:03, 10-Jul-2018
33, 14.49, 34.8, 35, 736, 00 , 15:55:03, 10-Jul-2018
34, 14.36, 35.5, 34, 736, 00 , 16:10:03, 10-Jul-2018
35, 14.60, 35.2, 35, 736, 00 , 16:25:03, 10-Jul-2018
36, 14.60, 36.1, 34, 736, 00 , 16:40:03, 10-Jul-2018

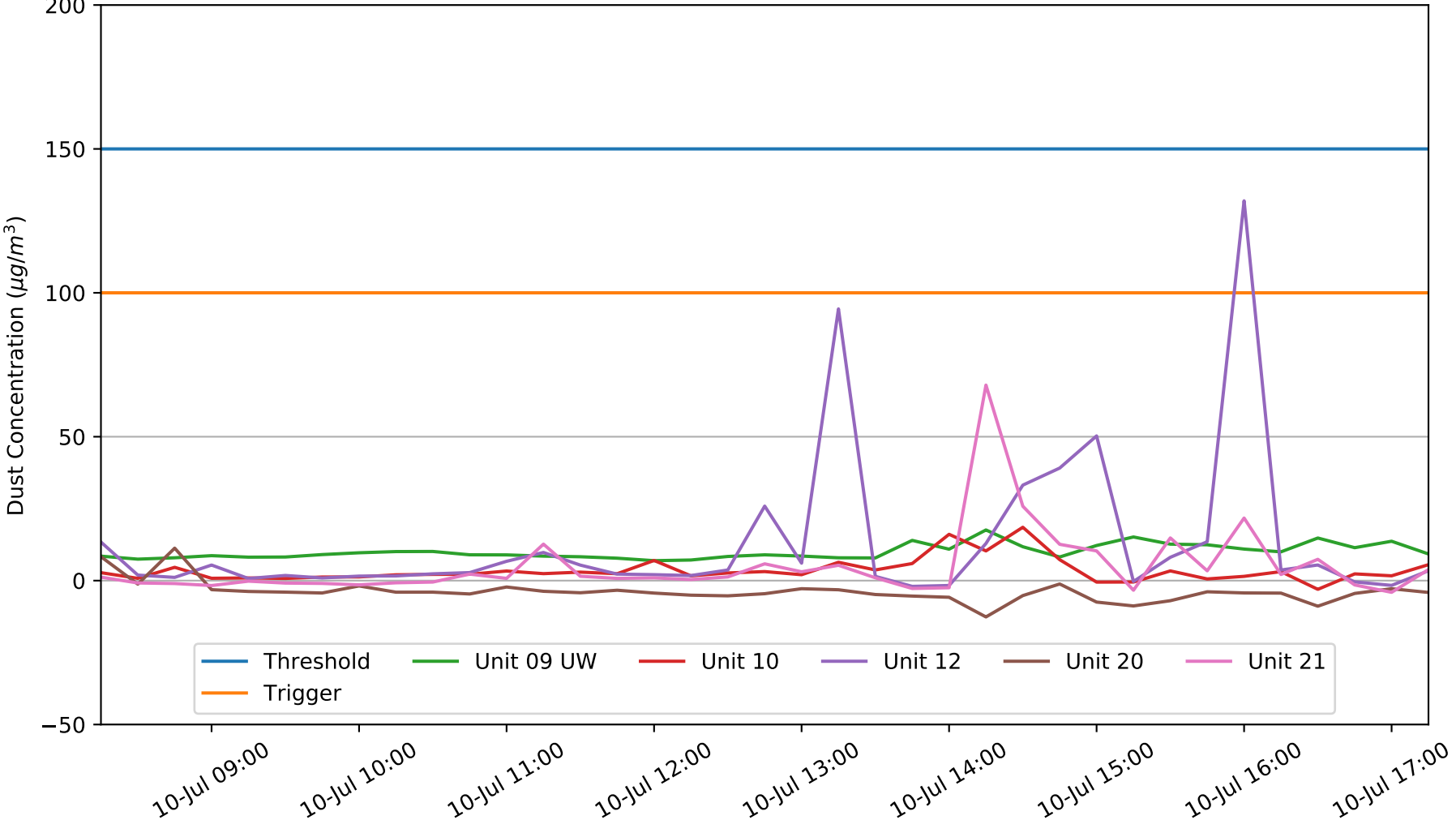
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8, 10.04, 37.8, 25, 734, 00 , 13:45:03, 10-Jul-2018
9, 10.08, 37.7, 25, 734, 00 , 14:00:03, 10-Jul-2018
10, 10.19, 38.9, 25, 734, 00 , 14:15:03, 10-Jul-2018
11, 10.30, 40.4, 23, 734, 00 , 14:30:03, 10-Jul-2018
12, 11.16, 42.2, 20, 734, 00 , 14:45:03, 10-Jul-2018
13, 12.08, 44.5, 18, 734, 00 , 15:00:03, 10-Jul-2018
14, 12.35, 46.2, 17, 734, 00 , 15:15:03, 10-Jul-2018
15, 13.01, 47.5, 16, 734, 00 , 15:30:03, 10-Jul-2018
16, 13.24, 44.5, 19, 734, 00 , 15:45:03, 10-Jul-2018
17, 12.98, 42.2, 23, 734, 00 , 16:00:03, 10-Jul-2018
18, 12.19, 42.5, 22, 734, 00 , 16:15:03, 10-Jul-2018
19, 12.02, 41.8, 23, 734, 00 , 16:30:03, 10-Jul-2018
20, 12.20, 44.4, 21, 734, 00 , 16:45:03, 10-Jul-2018

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3, 12.56, 26.1, 37, 740, 02 , 08:25:03, 10-Jul-2018
4, 11.02, 28.8, 33, 740, 02 , 08:40:03, 10-Jul-2018
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8, 24.06, 32.5, 29, 740, 02 , 09:40:03, 10-Jul-2018
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26, 12.70, 35.4, 23, 738, 02 , 14:10:03, 10-Jul-2018
27, 11.84, 35.3, 23, 738, 02 , 14:25:03, 10-Jul-2018
28, 10.39, 35.4, 23, 738, 02 , 14:40:03, 10-Jul-2018
29, 9.62, 35.9, 23, 738, 02 , 14:55:03, 10-Jul-2018
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31, 21.24, 35.5, 26, 738, 02 , 15:25:03, 10-Jul-2018
32, 22.94, 34.8, 26, 738, 02 , 15:40:03, 10-Jul-2018
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35, 11.32, 34.0, 28, 738, 02 , 16:25:03, 10-Jul-2018
36, 13.86, 34.6, 28, 738, 02 , 16:40:03, 10-Jul-2018
37, 14.01, 33.6, 30, 738, 02 , 16:55:03, 10-Jul-2018

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25, 9.42, 39.7, 25, 738, 00 , 13:55:03, 10-Jul-2018
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27, 9.78, 40.6, 25, 738, 00 , 14:25:03, 10-Jul-2018
28, 13.64, 41.5, 24, 738, 00 , 14:40:03, 10-Jul-2018
29, 14.39, 42.8, 23, 738, 00 , 14:55:03, 10-Jul-2018
30, 10.92, 44.2, 23, 738, 00 , 15:10:03, 10-Jul-2018
31, 11.39, 45.5, 23, 738, 00 , 15:25:03, 10-Jul-2018
32, 11.33, 44.5, 23, 738, 00 , 15:40:03, 10-Jul-2018
33, 11.53, 42.5, 25, 738, 00 , 15:55:03, 10-Jul-2018
34, 11.78, 42.7, 25, 738, 00 , 16:10:03, 10-Jul-2018
35, 11.07, 41.8, 26, 738, 00 , 16:25:03, 10-Jul-2018
36, 11.53, 43.8, 25, 738, 00 , 16:40:03, 10-Jul-2018
37, 11.16, 44.7, 24, 738, 00 , 16:55:03, 10-Jul-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 10-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 10-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 12	Unit 20	Unit 10	Unit 09 UW	Unit 21	Threshold	Trigger
2018-07-10 08:15:00	13.4	8.31	2.76	8.5	1.21	150	100
2018-07-10 08:30:00	1.92	-1.22	0.79	7.46	-0.82	150	100
2018-07-10 08:45:00	1.12	11.28	4.62	7.93	-1.01	150	100
2018-07-10 09:00:00	5.41	-3.15	0.81	8.67	-1.71	150	100
2018-07-10 09:15:00	0.73	-3.77	0.93	8.15	-0.19	150	100
2018-07-10 09:30:00	1.79	-4	0.76	8.2	-0.86	150	100
2018-07-10 09:45:00	0.92	-4.3	1.25	9.05	-0.97	150	100
2018-07-10 10:00:00	1.57	-1.85	1.28	9.67	-1.47	150	100
2018-07-10 10:15:00	1.63	-4.02	2.02	10.09	-0.76	150	100
2018-07-10 10:30:00	2.36	-4.01	2.16	10.13	-0.5	150	100
2018-07-10 10:45:00	2.79	-4.64	2.2	8.97	2.26	150	100
2018-07-10 11:00:00	6.71	-2.22	3.33	8.94	0.78	150	100
2018-07-10 11:15:00	9.78	-3.71	2.42	8.51	12.68	150	100
2018-07-10 11:30:00	5.39	-4.22	2.95	8.29	1.51	150	100
2018-07-10 11:45:00	2.26	-3.34	2.4	7.79	0.77	150	100
2018-07-10 12:00:00	2.07	-4.33	7	6.93	0.96	150	100
2018-07-10 12:15:00	1.76	-5.06	1.66	7.16	0.39	150	100
2018-07-10 12:30:00	3.69	-5.29	2.66	8.39	1.28	150	100
2018-07-10 12:45:00	25.89	-4.55	3.14	8.96	5.83	150	100
2018-07-10 13:00:00	6.06	-2.81	2.05	8.53	3.07	150	100
2018-07-10 13:15:00	94.41	-3.18	6.37	7.93	5.33	150	100
2018-07-10 13:30:00	1.47	-4.83	3.71	7.88	0.98	150	100
2018-07-10 13:45:00	-2	-5.37	5.93	13.98	-2.73	150	100
2018-07-10 14:00:00	-1.7	-5.79	16.09	10.92	-2.47	150	100
2018-07-10 14:15:00	12.9	-12.62	10.32	17.6	67.94	150	100
2018-07-10 14:30:00	33.18	-5.2	18.54	11.77	25.84	150	100
2018-07-10 14:45:00	39.11	-1.17	7.27	8.21	12.61	150	100
2018-07-10 15:00:00	50.28	-7.46	-0.52	12.2	10.32	150	100
2018-07-10 15:15:00	-0.31	-8.8	-0.49	15.16	-3.34	150	100
2018-07-10 15:30:00	8.1	-6.98	3.37	12.67	14.83	150	100
2018-07-10 15:45:00	13.51	-3.88	0.58	12.45	3.41	150	100
2018-07-10 16:00:00	131.96	-4.28	1.48	10.96	21.74	150	100
2018-07-10 16:15:00	3.69	-4.34	3.13	10	2.12	150	100
2018-07-10 16:30:00	5.43	-8.89	-3.03	14.8	7.4	150	100
2018-07-10 16:45:00	-0.45	-4.45	2.34	11.44	-1.5	150	100
2018-07-10 17:00:00	-1.66	-2.82	1.67	13.68	-4.07	150	100
2018-07-10 17:15:00	3.42	-4.11	5.54	9.26	3.82	150	100

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"Serial no. ", "CM15111014"
"Tag Number ", 23
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"Start Date ", 10-Jul-2018
"Log Period ", 00:15:00
"Number ", 37
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 1579.453564
"Max Disp @ ", 15:55:06 10-Jul-2018
"Max STEL ", 143.350039
"Max STEL @ ", 16:00:53 10-Jul-2018
"Avg point ", 23.238685
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 21.90, 17.5, 65, 740, 01 , 08:15:03, 10-Jul-2018
2, 9.38, 20.0, 60, 740, 00 , 08:30:03, 10-Jul-2018
3, 9.05, 22.4, 55, 740, 00 , 08:45:03, 10-Jul-2018
4, 14.08, 24.6, 50, 740, 00 , 09:00:03, 10-Jul-2018
5, 8.88, 26.0, 48, 740, 00 , 09:15:03, 10-Jul-2018
6, 9.99, 27.0, 45, 740, 00 , 09:30:03, 10-Jul-2018
7, 9.97, 27.8, 46, 740, 00 , 09:45:03, 10-Jul-2018
8, 11.24, 28.3, 45, 740, 00 , 10:00:03, 10-Jul-2018
9, 11.72, 28.4, 46, 740, 00 , 10:15:03, 10-Jul-2018
10, 12.49, 28.1, 48, 738, 00 , 10:30:03, 10-Jul-2018
11, 11.76, 27.8, 47, 738, 00 , 10:45:03, 10-Jul-2018
12, 15.65, 27.6, 49, 738, 00 , 11:00:03, 10-Jul-2018
13, 18.29, 27.4, 48, 738, 00 , 11:15:03, 10-Jul-2018
14, 13.68, 27.4, 43, 738, 00 , 11:30:03, 10-Jul-2018
15, 10.05, 27.6, 41, 738, 00 , 11:45:03, 10-Jul-2018
16, 9.00, 27.9, 41, 738, 00 , 12:00:03, 10-Jul-2018
17, 8.92, 28.4, 40, 738, 00 , 12:15:03, 10-Jul-2018
18, 12.08, 29.3, 38, 738, 00 , 12:30:03, 10-Jul-2018
19, 34.85, 30.3, 37, 738, 00 , 12:45:03, 10-Jul-2018
20, 14.59, 32.0, 35, 738, 00 , 13:00:03, 10-Jul-2018
21, 102.34, 32.8, 35, 738, 00 , 13:15:03, 10-Jul-2018
22, 9.35, 33.2, 33, 738, 00 , 13:30:03, 10-Jul-2018
23, 11.98, 32.4, 33, 738, 00 , 13:45:03, 10-Jul-2018
24, 9.22, 31.6, 34, 738, 00 , 14:00:03, 10-Jul-2018
25, 30.50, 32.7, 34, 738, 00 , 14:15:03, 10-Jul-2018
26, 44.95, 33.8, 33, 738, 00 , 14:30:03, 10-Jul-2018
27, 47.32, 33.9, 33, 738, 00 , 14:45:03, 10-Jul-2018
28, 62.48, 34.1, 33, 738, 00 , 15:00:03, 10-Jul-2018
29, 14.85, 34.7, 34, 738, 00 , 15:15:03, 10-Jul-2018
30, 20.77, 37.5, 30, 738, 00 , 15:30:03, 10-Jul-2018
31, 25.96, 36.0, 30, 738, 00 , 15:45:03, 10-Jul-2018
32, 142.92, 34.9, 33, 738, 00 , 16:00:03, 10-Jul-2018
33, 13.69, 34.8, 33, 738, 00 , 16:15:03, 10-Jul-2018
34, 20.23, 33.6, 36, 738, 00 , 16:30:03, 10-Jul-2018
35, 10.99, 35.5, 34, 738, 00 , 16:45:03, 10-Jul-2018
36, 12.02, 37.6, 32, 738, 00 , 17:00:03, 10-Jul-2018
37, 12.68, 38.4, 27, 738, 00 , 17:15:03, 10-Jul-2018

>"Model Number", "ADR-1500", 01.34
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"Tag Number ", 10
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"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 111.499465
"Max Disp @ ", 08:42:17 10-Jul-2018
"Max STEL ", 19.555113
"Max STEL @ ", 08:56:03 10-Jul-2018
"Avg point ", 6.221413
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 16.81, 19.5, 54, 740, 01 , 08:15:03, 10-Jul-2018
2, 6.24, 23.8, 44, 740, 00 , 08:30:03, 10-Jul-2018
3, 19.21, 27.4, 35, 740, 00 , 08:45:03, 10-Jul-2018
4, 5.52, 30.9, 28, 740, 00 , 09:00:03, 10-Jul-2018
5, 4.38, 32.2, 26, 740, 00 , 09:15:03, 10-Jul-2018
6, 4.20, 33.1, 26, 740, 00 , 09:30:03, 10-Jul-2018
7, 4.75, 34.5, 25, 738, 00 , 09:45:03, 10-Jul-2018
8, 7.82, 34.5, 26, 738, 00 , 10:00:03, 10-Jul-2018
9, 6.07, 35.1, 24, 738, 00 , 10:15:03, 10-Jul-2018
10, 6.12, 36.5, 24, 738, 00 , 10:30:03, 10-Jul-2018
11, 4.33, 37.9, 21, 738, 00 , 10:45:03, 10-Jul-2018
12, 6.72, 38.5, 20, 738, 00 , 11:00:03, 10-Jul-2018
13, 4.80, 38.9, 18, 738, 00 , 11:15:03, 10-Jul-2018
14, 4.07, 39.7, 15, 738, 00 , 11:30:03, 10-Jul-2018
15, 4.45, 40.0, 15, 738, 00 , 11:45:03, 10-Jul-2018
16, 2.60, 40.0, 15, 738, 00 , 12:00:03, 10-Jul-2018
17, 2.10, 39.9, 15, 738, 00 , 12:15:03, 10-Jul-2018
18, 3.10, 39.3, 14, 738, 00 , 12:30:03, 10-Jul-2018
19, 4.41, 38.9, 15, 738, 00 , 12:45:03, 10-Jul-2018
20, 5.72, 38.8, 16, 738, 00 , 13:00:03, 10-Jul-2018
21, 4.75, 37.5, 18, 738, 00 , 13:15:03, 10-Jul-2018
22, 3.05, 37.6, 18, 738, 00 , 13:30:03, 10-Jul-2018
23, 8.61, 37.1, 18, 738, 00 , 13:45:03, 10-Jul-2018
24, 5.13, 36.3, 19, 738, 00 , 14:00:03, 10-Jul-2018
25, 4.98, 36.2, 20, 738, 00 , 14:15:03, 10-Jul-2018
26, 6.57, 36.5, 19, 738, 00 , 14:30:03, 10-Jul-2018
27, 7.04, 36.7, 19, 738, 00 , 14:45:03, 10-Jul-2018
28, 4.74, 37.2, 19, 736, 00 , 15:00:03, 10-Jul-2018
29, 6.36, 37.1, 20, 736, 00 , 15:15:03, 10-Jul-2018
30, 5.69, 36.3, 22, 736, 00 , 15:30:03, 10-Jul-2018
31, 8.57, 35.3, 24, 736, 00 , 15:45:03, 10-Jul-2018
32, 6.68, 35.0, 25, 736, 00 , 16:00:03, 10-Jul-2018
33, 5.66, 35.5, 24, 736, 00 , 16:15:03, 10-Jul-2018
34, 5.91, 35.1, 25, 736, 00 , 16:30:03, 10-Jul-2018
35, 6.99, 34.6, 27, 736, 00 , 16:45:03, 10-Jul-2018
36, 10.86, 33.3, 29, 736, 00 , 17:00:03, 10-Jul-2018
37, 5.15, 33.4, 27, 736, 00 , 17:15:03, 10-Jul-2018

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"Unit ", 0
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"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 228.408861
"Max Disp @ ", 14:20:41 10-Jul-2018
"Max STEL ", 41.394720
"Max STEL @ ", 14:03:43 10-Jul-2018
"Avg point ", 13.533709
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 11.26, 20.4, 60, 738, 01 , 08:15:03, 10-Jul-2018
2, 8.25, 25.0, 49, 738, 00 , 08:30:03, 10-Jul-2018
3, 12.55, 28.5, 40, 738, 00 , 08:45:03, 10-Jul-2018
4, 9.48, 31.6, 34, 738, 00 , 09:00:03, 10-Jul-2018
5, 9.08, 33.0, 32, 738, 00 , 09:15:03, 10-Jul-2018
6, 8.96, 33.6, 32, 738, 00 , 09:30:03, 10-Jul-2018
7, 10.30, 35.0, 30, 738, 00 , 09:45:03, 10-Jul-2018
8, 10.95, 35.3, 31, 738, 00 , 10:00:03, 10-Jul-2018
9, 12.11, 35.7, 31, 738, 00 , 10:15:03, 10-Jul-2018
10, 12.29, 36.9, 31, 738, 00 , 10:30:03, 10-Jul-2018
11, 11.17, 38.7, 27, 738, 00 , 10:45:03, 10-Jul-2018
12, 12.27, 39.2, 27, 738, 00 , 11:00:03, 10-Jul-2018
13, 10.93, 39.4, 25, 736, 00 , 11:15:03, 10-Jul-2018
14, 11.24, 40.6, 23, 738, 00 , 11:30:03, 10-Jul-2018
15, 10.19, 41.5, 21, 736, 00 , 11:45:03, 10-Jul-2018
16, 13.93, 42.0, 20, 736, 00 , 12:00:03, 10-Jul-2018
17, 8.82, 42.1, 20, 736, 00 , 12:15:03, 10-Jul-2018
18, 11.05, 41.8, 20, 736, 00 , 12:30:03, 10-Jul-2018
19, 12.10, 41.6, 20, 736, 00 , 12:45:03, 10-Jul-2018
20, 10.58, 41.6, 20, 736, 00 , 13:00:03, 10-Jul-2018
21, 14.30, 40.0, 22, 736, 00 , 13:15:03, 10-Jul-2018
22, 11.59, 39.7, 23, 736, 00 , 13:30:03, 10-Jul-2018
23, 19.91, 39.0, 22, 736, 00 , 13:45:03, 10-Jul-2018
24, 27.01, 38.1, 24, 736, 00 , 14:00:03, 10-Jul-2018
25, 27.92, 37.8, 25, 736, 00 , 14:15:03, 10-Jul-2018
26, 30.31, 38.1, 24, 736, 00 , 14:30:03, 10-Jul-2018
27, 15.48, 38.1, 25, 736, 00 , 14:45:03, 10-Jul-2018
28, 11.68, 38.5, 25, 736, 00 , 15:00:03, 10-Jul-2018
29, 14.67, 38.5, 26, 736, 00 , 15:15:03, 10-Jul-2018
30, 16.04, 38.3, 27, 736, 00 , 15:30:03, 10-Jul-2018
31, 13.03, 37.1, 28, 736, 00 , 15:45:03, 10-Jul-2018
32, 12.44, 36.6, 29, 736, 00 , 16:00:03, 10-Jul-2018
33, 13.13, 37.0, 28, 736, 00 , 16:15:03, 10-Jul-2018
34, 11.77, 36.6, 29, 736, 00 , 16:30:03, 10-Jul-2018
35, 13.78, 36.3, 31, 736, 00 , 16:45:03, 10-Jul-2018
36, 15.35, 35.0, 34, 736, 00 , 17:00:03, 10-Jul-2018
37, 14.80, 35.0, 31, 736, 00 , 17:15:03, 10-Jul-2018

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"Serial no. ", "0115248912"
"Tag Number ", 27
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"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 66.592650
"Max Disp @ ", 16:28:30 10-Jul-2018
"Max STEL ", 18.010767
"Max STEL @ ", 14:10:35 10-Jul-2018
"Avg point ", 10.033373
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 8.50, 20.5, 54, 738, 01 , 08:15:25, 10-Jul-2018
2, 7.46, 22.3, 59, 738, 00 , 08:30:25, 10-Jul-2018
3, 7.93, 24.0, 56, 738, 00 , 08:45:25, 10-Jul-2018
4, 8.67, 25.3, 52, 738, 00 , 09:00:25, 10-Jul-2018
5, 8.15, 26.6, 51, 738, 00 , 09:15:25, 10-Jul-2018
6, 8.20, 27.9, 51, 738, 00 , 09:30:25, 10-Jul-2018
7, 9.05, 29.0, 50, 738, 00 , 09:45:25, 10-Jul-2018
8, 9.67, 29.7, 46, 738, 00 , 10:00:25, 10-Jul-2018
9, 10.09, 30.9, 45, 738, 00 , 10:15:25, 10-Jul-2018
10, 10.13, 32.7, 44, 738, 00 , 10:30:25, 10-Jul-2018
11, 8.97, 34.4, 42, 738, 00 , 10:45:25, 10-Jul-2018
12, 8.94, 35.4, 40, 738, 00 , 11:00:25, 10-Jul-2018
13, 8.51, 36.2, 38, 738, 00 , 11:15:25, 10-Jul-2018
14, 8.29, 35.9, 34, 736, 00 , 11:30:25, 10-Jul-2018
15, 7.79, 35.6, 33, 736, 00 , 11:45:25, 10-Jul-2018
16, 6.93, 35.5, 34, 736, 00 , 12:00:25, 10-Jul-2018
17, 7.16, 35.8, 34, 736, 00 , 12:15:25, 10-Jul-2018
18, 8.39, 35.8, 33, 736, 00 , 12:30:25, 10-Jul-2018
19, 8.96, 36.1, 33, 736, 00 , 12:45:25, 10-Jul-2018
20, 8.53, 36.3, 33, 736, 00 , 13:00:25, 10-Jul-2018
21, 7.93, 35.8, 34, 736, 00 , 13:15:25, 10-Jul-2018
22, 7.88, 36.5, 33, 736, 00 , 13:30:25, 10-Jul-2018
23, 13.98, 36.0, 33, 736, 00 , 13:45:25, 10-Jul-2018
24, 10.92, 35.3, 33, 736, 00 , 14:00:25, 10-Jul-2018
25, 17.60, 35.3, 34, 736, 00 , 14:15:25, 10-Jul-2018
26, 11.77, 35.5, 34, 736, 00 , 14:30:25, 10-Jul-2018
27, 8.21, 35.9, 34, 736, 00 , 14:45:25, 10-Jul-2018
28, 12.20, 36.4, 35, 736, 00 , 15:00:25, 10-Jul-2018
29, 15.16, 36.6, 35, 736, 00 , 15:15:25, 10-Jul-2018
30, 12.67, 36.9, 36, 736, 00 , 15:30:25, 10-Jul-2018
31, 12.45, 35.9, 36, 736, 00 , 15:45:25, 10-Jul-2018
32, 10.96, 35.1, 37, 736, 00 , 16:00:25, 10-Jul-2018
33, 10.00, 35.3, 37, 736, 00 , 16:15:25, 10-Jul-2018
34, 14.80, 34.8, 38, 736, 00 , 16:30:25, 10-Jul-2018
35, 11.44, 35.2, 39, 736, 00 , 16:45:25, 10-Jul-2018
36, 13.68, 35.7, 40, 736, 00 , 17:00:25, 10-Jul-2018
37, 9.26, 36.0, 36, 736, 00 , 17:15:25, 10-Jul-2018

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"Serial no. ", "0115249059"
"Tag Number ", 12
"Start Time ", 08:00:03
"Start Date ", 10-Jul-2018
"Log Period ", 00:15:00
"Number ", 37
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 426.947546
"Max Disp @ ", 14:09:43 10-Jul-2018
"Max STEL ", 108.336234
"Max STEL @ ", 14:18:03 10-Jul-2018
"Avg point ", 15.024397
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 9.71, 18.1, 61, 740, 00 , 08:15:03, 10-Jul-2018
2, 6.64, 18.2, 64, 740, 00 , 08:30:03, 10-Jul-2018
3, 6.92, 18.3, 65, 740, 00 , 08:45:03, 10-Jul-2018
4, 6.96, 18.7, 66, 740, 00 , 09:00:03, 10-Jul-2018
5, 7.96, 19.5, 66, 740, 00 , 09:15:03, 10-Jul-2018
6, 7.34, 20.1, 63, 740, 00 , 09:30:03, 10-Jul-2018
7, 8.08, 20.8, 64, 740, 00 , 09:45:03, 10-Jul-2018
8, 8.20, 21.7, 63, 740, 00 , 10:00:03, 10-Jul-2018
9, 9.33, 22.6, 60, 738, 00 , 10:15:03, 10-Jul-2018
10, 9.63, 23.6, 59, 738, 00 , 10:30:03, 10-Jul-2018
11, 11.23, 24.7, 55, 738, 00 , 10:45:03, 10-Jul-2018
12, 9.72, 25.8, 54, 738, 00 , 11:00:03, 10-Jul-2018
13, 21.19, 26.9, 48, 738, 00 , 11:15:03, 10-Jul-2018
14, 9.80, 27.8, 40, 738, 00 , 11:30:03, 10-Jul-2018
15, 8.56, 28.4, 36, 738, 00 , 11:45:03, 10-Jul-2018
16, 7.89, 29.0, 35, 738, 00 , 12:00:03, 10-Jul-2018
17, 7.55, 29.5, 34, 738, 00 , 12:15:03, 10-Jul-2018
18, 9.67, 30.1, 32, 738, 00 , 12:30:03, 10-Jul-2018
19, 14.79, 30.6, 31, 738, 00 , 12:45:03, 10-Jul-2018
20, 11.60, 31.4, 31, 738, 00 , 13:00:03, 10-Jul-2018
21, 13.26, 32.0, 31, 738, 00 , 13:15:03, 10-Jul-2018
22, 8.86, 32.3, 29, 738, 00 , 13:30:03, 10-Jul-2018
23, 11.25, 31.9, 29, 738, 00 , 13:45:03, 10-Jul-2018
24, 8.45, 31.6, 30, 738, 00 , 14:00:03, 10-Jul-2018
25, 85.54, 32.1, 31, 738, 00 , 14:15:03, 10-Jul-2018
26, 37.61, 32.6, 30, 738, 00 , 14:30:03, 10-Jul-2018
27, 20.82, 32.6, 30, 738, 00 , 14:45:03, 10-Jul-2018
28, 22.52, 32.8, 30, 738, 00 , 15:00:03, 10-Jul-2018
29, 11.82, 33.3, 32, 738, 00 , 15:15:03, 10-Jul-2018
30, 27.50, 34.6, 30, 738, 00 , 15:30:03, 10-Jul-2018
31, 15.86, 33.9, 30, 736, 00 , 15:45:03, 10-Jul-2018
32, 32.70, 33.4, 31, 736, 00 , 16:00:03, 10-Jul-2018
33, 12.12, 34.0, 30, 736, 00 , 16:15:03, 10-Jul-2018
34, 22.20, 33.6, 31, 736, 00 , 16:30:03, 10-Jul-2018
35, 9.94, 35.6, 29, 736, 00 , 16:45:03, 10-Jul-2018
36, 9.61, 38.1, 26, 736, 00 , 17:00:03, 10-Jul-2018
37, 13.08, 39.0, 21, 736, 00 , 17:15:03, 10-Jul-2018

DAILY OBSERVATION REPORT

Report No.:	34	Project File:	MN0832D	Date:	7/11/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — *an affiliate of Geosyntec Consultants*

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: James Burnett

Site Representative: Matt Schallinger

Arrive at Site: 0645hrs. Leave Site: 1815 hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Sunny, Clear	am	Increasing Clouds	pm
Temperature:	60° F	am	74° F	pm
Wind Direction:	5 SW	am	NW	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 34 Project File: MN0832D Date: 7/11/2018

Materials Imported and Removed from Work Areas

Soil Removal:

Total Loads today: 19 Total Loads to date: 123

Weight: 475 tons Total Weight to date: ~3067 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 15

Weight: 0 Tons Total Weight to date: ~293 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: 0Tons Total Weight to date: 132 Tons

Imported Common Fill:

Total Loads today: Pending Total Loads to date: 95

Weight: ~22 Tons Total Weight to date: 2019 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0645. Attended Recon safety meeting. Matthew Schallinger, Hannah Zafar and Jim Burnett were on site. Attended Recon safety meeting and held initial tailgate safety meeting for Geosyntec. Reviewed tasks and plan for the day.
- MS meets with Recon and discusses excavation work plan for the day. Recon anticipates completion of phase one excavation today.
- HZ and MS calibrated and deployed dust monitors in the MSA and RPL.
- Recon continued to excavate from depths 4-12’ bgs TSCA material in the RPL and worked their way east in phase one. Additionally, Recon excavated 4-10’ bgs non-hazardous material from phase one and transported it to the MSA.
- Recon placed geotextile fabric and plastic sheeting over non-hazardous areas of the RPL to transit TSCA equipment and material over those areas.

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- Recon uncovered a concrete slab around 10’ bgs in the TSCA area west of the waterline in phase one. The slab was extensive in area prevented Recon from excavating 10-12’ bgs TSCA material in that area. A section of 10-12’ bgs TSCA material was able to be excavated near the water line.
- MS and HZ adjusted the position of the upwind dust monitors to reflect the predominant breeze coming from the north.
- A total of 19 TSCA trucks were loaded and shipped offsite today. The loading process started in the morning and continued into the early afternoon. Trucks were pressure washed with water on the decon pad before leaving the site.
- JB observed loading of trucks and issues manifests once the trucks have been inspected.
- The gas line continued to be exposed and painted as excavation moved to the east.
- All trucks leaving the RPL and the MSA were decontaminated before entering the haul road.

PM

- Recon continued to excavate hazardous and non-hazardous material.
- MS meets with Scott Williams of NYSDEC and reviewed current extent of excavation and associated figures. MS showed SW the extent of the concrete slab.
- HZ inspects dust monitors.
- Recon excavated 0-2’ bgs non-haz material on the eastern side of phase one.
- Recon sprayed water along the haul road and the TSCA accumulation pile several times during the day. Recon sprayed water inside the RPL haul road.
- MS and HZ collected sidewall samples in phase one. Samples were placed on ice and prepared for shipment.
- Jason Plumley of Welliver on site. JP met with Recon to review excavation progress and scheduled turnover date. Recon and JP continued to discuss turnover criteria.
- MS and Recon held end of day meeting and discuss upcoming activities and planning for tomorrow.
- Recon nearly completed phase-one excavation. It is estimated that 1-2 loads of non-hazardous material will excavated and transported to the MSA tomorrow AM.
- Recon began covering piles around 1630 and securing the site.
- MS and HZ collected dust monitors and extracted data.
- No dust exceedances were recorded today.
- No vibration exceedance were recorded from yesterday 7/10/18.

Report No.:	34	Project File:	MN0832D	Date:	7/11/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Brian Kilkenny
- Addison Hofferth
- Brian Balog
- Scott Early
- Rich Tonnucour
- (Recon labor) X18

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- 8x40 Office Trailer
- Portable Toilets
- Hand Wash Stations
- ST-197 Dodge Ram Work Truck
- 8x20 Storage Box
- Trimble GPS System (Base, Rover, Data Collector)
- 8x20 Office Trailer
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 Containments
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Vibratory Hammer
- Roller
- Site F250

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	NYSDEC	Yes
Jason Plumley	Welliver	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Substantial Completion Date: NA
Completion Date: NA

ITEMS OF CONCERN:

- The vertical extent of the concrete slab is currently undetermined. Geosyntec and Recon will attempt to determine the vertical limits of the slab tomorrow and if possible, collect characterization samples at that limit and from potential drains.
- Data from one of the MSA dust monitors could not be extracted. Geosyntec will troubleshoot the monitor.

DAILY OBSERVATION REPORT

Report No.:	34	Project File:	MN0832D	Date:	7/11/2018

Site Representative: M. Schallinger

Date: 7/11/2018

Name: (*signature*)



:

Report No.: 34 Project File: MN0832D Date: 7/11/2018

Photo Log

Date : 7/11/2018



Recon spraying water on the haul road.



Recon hand clearing the water line.



Exposed slab and brick wall west of the water line. Base of exposed brick is at 12’ bgs. View is to the NW.



Exposed slab and brick wall west of the water line. Base of exposed brick is at 12’ bgs. A circular opening was observed in the brick wall. Pin flags on the slope identify locations of sidewall samples. View is to the SW.

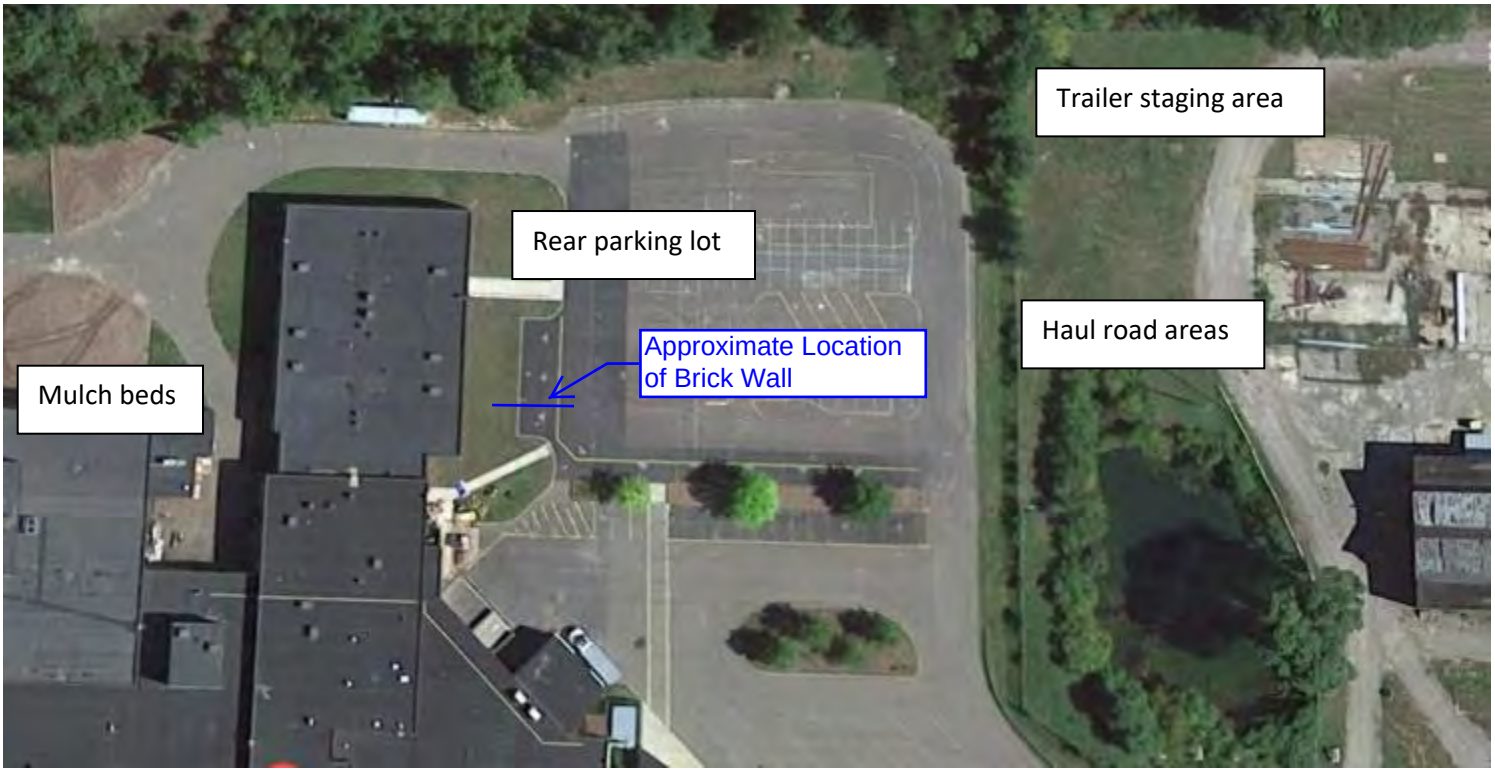
Report No.: 34 Project File: MN0832D Date: 7/11/2018

	
Covered piles in the MSA at days end.	Near completion of phase one excavation. View is to the E.

Report No.:	34	Project File:	MN0832D	Date:	7/11/2018

Site Map

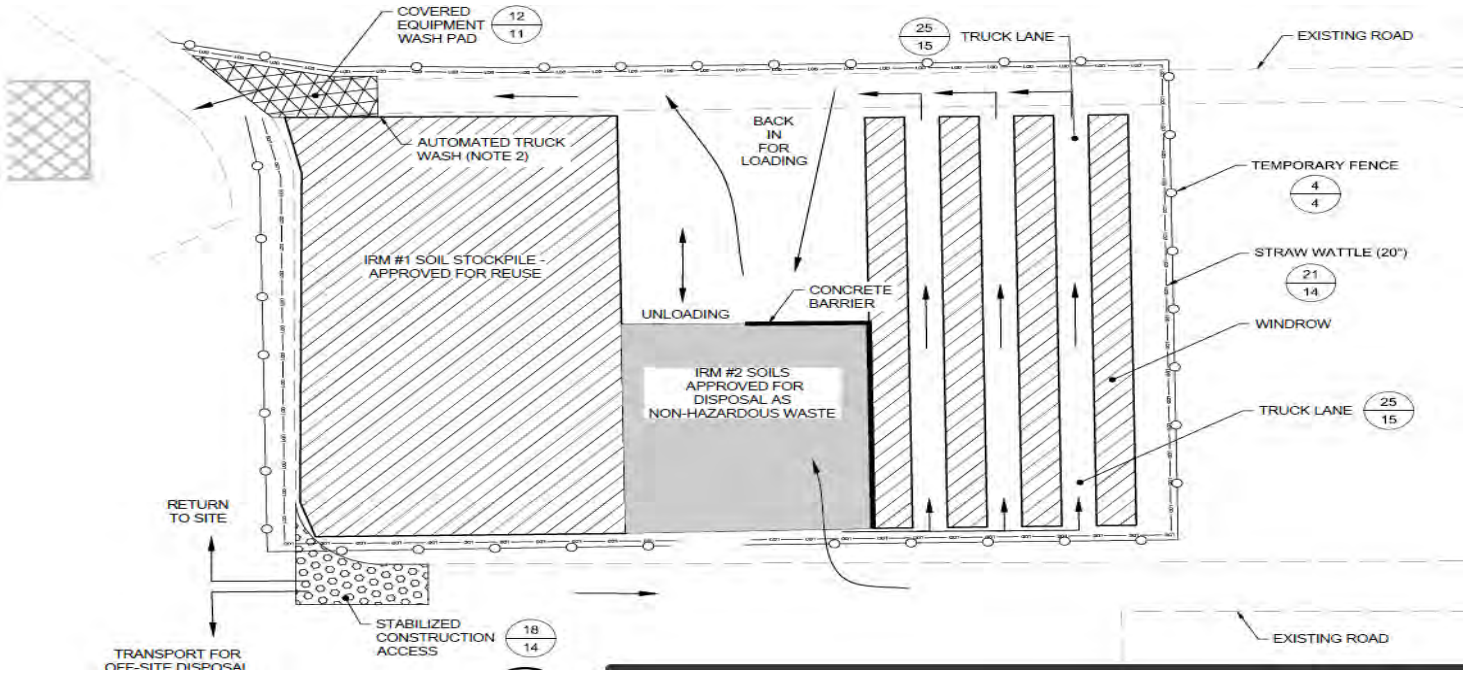
Rear Parking Lot



N

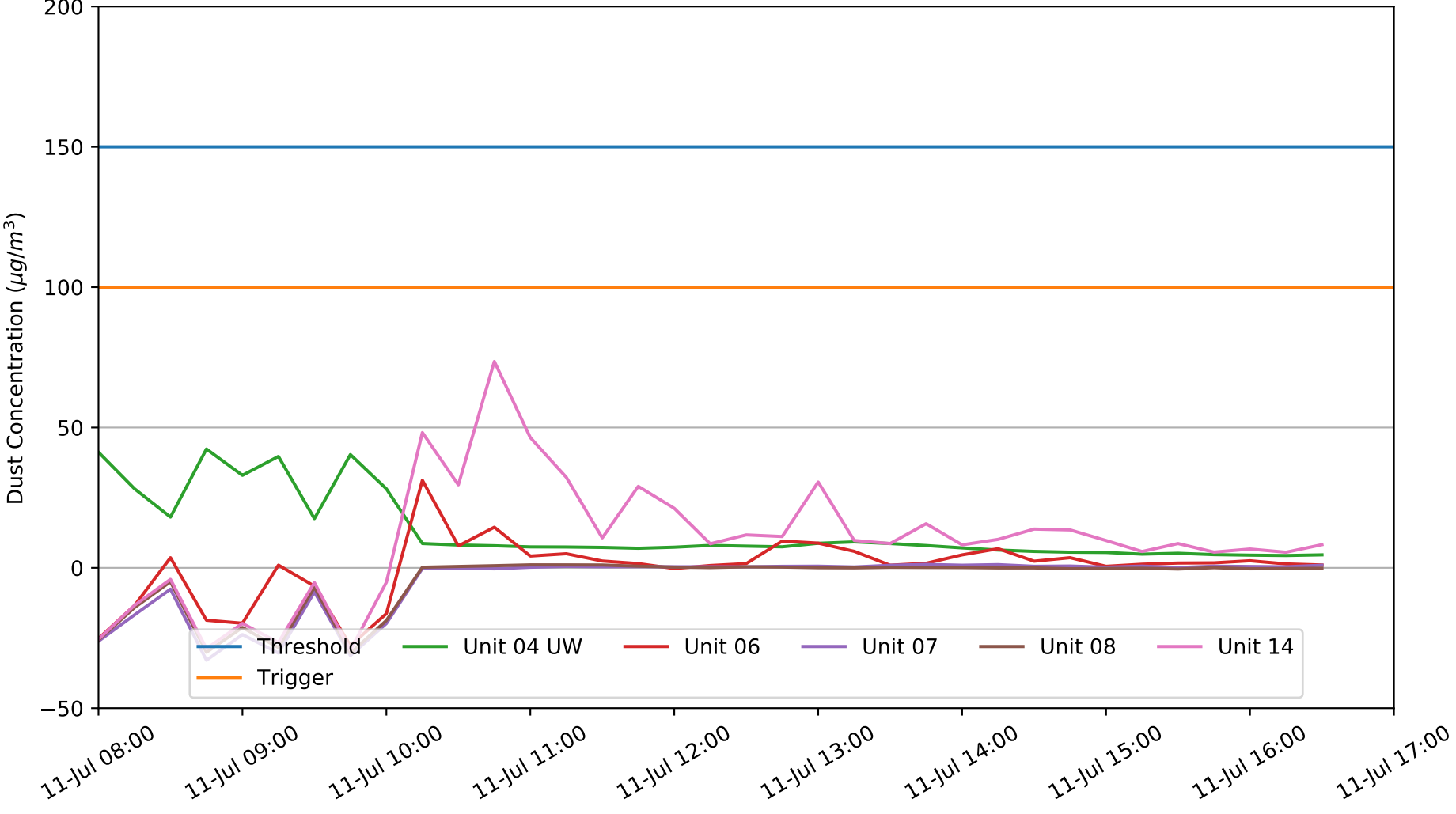
Report No.:	34	Project File:	MN0832D	Date:	7/11/2018

MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 11-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 11-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 04 UW	Unit 08	Unit 06	Unit 14	Unit 07	Threshold	Trigger
2018-07-11 08:00:00	41.2	-25.71	-25.21	-25.45	-26.12	150	100
2018-07-11 08:15:00	28.19	-14.16	-13.44	-13.36	-16.76	150	100
2018-07-11 08:30:00	18.08	-4.94	3.62	-4.09	-7.59	150	100
2018-07-11 08:45:00	42.33	-30.06	-18.66	-28.76	-32.91	150	100
2018-07-11 09:00:00	32.97	-21.24	-19.73	-19.79	-23.76	150	100
2018-07-11 09:15:00	39.7	-28.38	0.98	-26.61	-30.34	150	100
2018-07-11 09:30:00	17.53	-6.92	-6.51	-5.25	-8.58	150	100
2018-07-11 09:45:00	40.35	-30.4	-27.68	-29.32	-31.23	150	100
2018-07-11 10:00:00	28.15	-18.75	-16.31	-5.14	-19.81	150	100
2018-07-11 10:15:00	8.67	0.21	31.21	48.21	-0.21	150	100
2018-07-11 10:30:00	8.15	0.49	7.82	29.57	-0.12	150	100
2018-07-11 10:45:00	7.88	0.76	14.48	73.54	-0.35	150	100
2018-07-11 11:00:00	7.47	1.06	4.2	46.41	0.21	150	100
2018-07-11 11:15:00	7.43	1.05	5.03	32.26	0.53	150	100
2018-07-11 11:30:00	7.28	1.01	2.43	10.67	0.4	150	100
2018-07-11 11:45:00	6.98	0.58	1.52	29.04	0.44	150	100
2018-07-11 12:00:00	7.36	0.26	-0.25	21.21	0.38	150	100
2018-07-11 12:15:00	8	0.09	0.83	8.58	0.39	150	100
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2018-07-11 14:00:00	7.11	0.1	4.62	8.2	0.93	150	100
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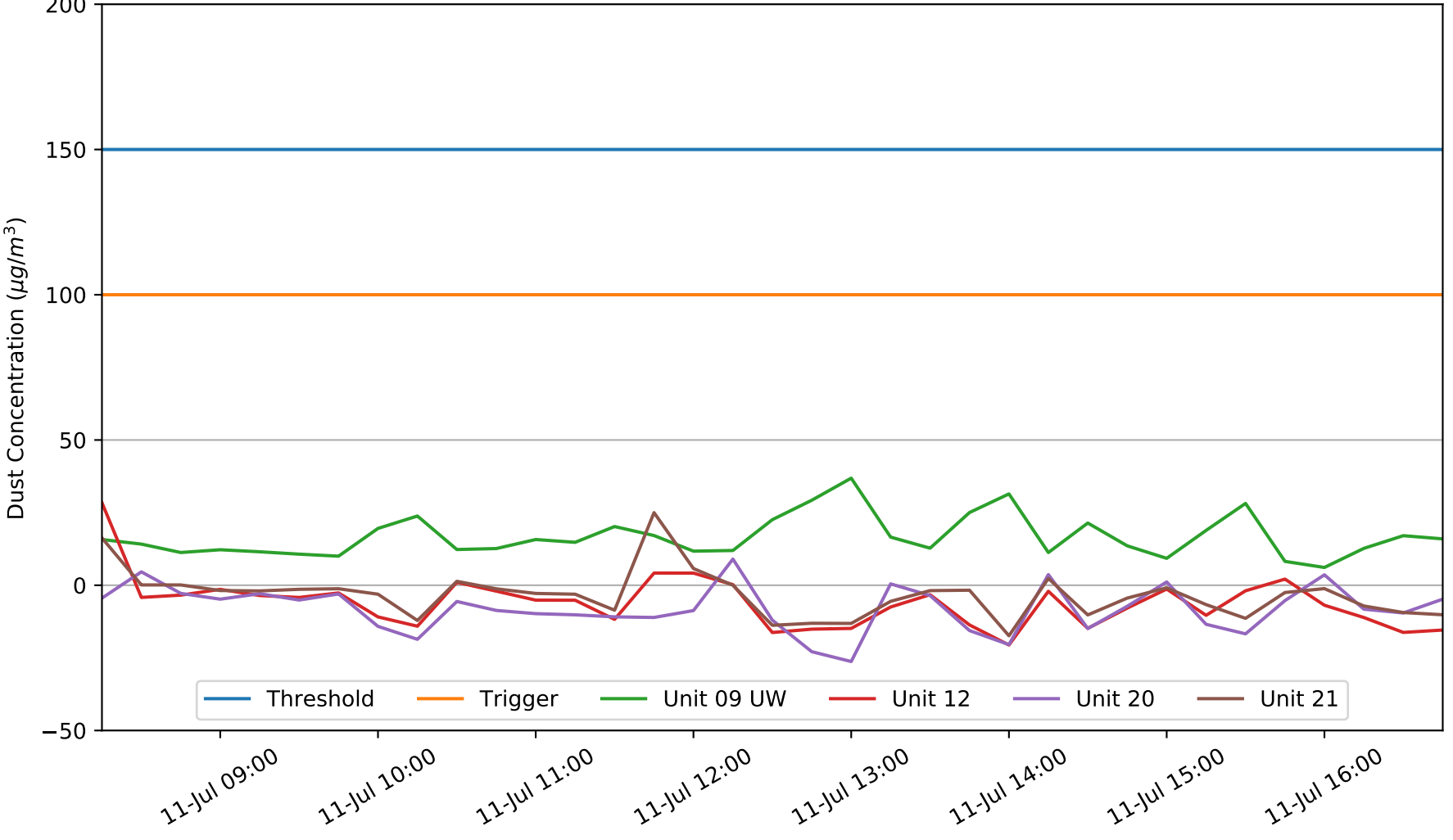
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2, 14.83, 24.1, 56, 740, 00 , 08:25:03, 11-Jul-2018
3, 13.99, 25.2, 52, 740, 00 , 08:40:03, 11-Jul-2018
4, 13.57, 26.1, 49, 740, 00 , 08:55:03, 11-Jul-2018
5, 13.18, 27.2, 45, 740, 00 , 09:10:03, 11-Jul-2018
6, 13.09, 28.2, 41, 740, 00 , 09:25:03, 11-Jul-2018
7, 12.28, 28.2, 40, 740, 00 , 09:40:03, 11-Jul-2018
8, 11.03, 28.8, 37, 740, 00 , 09:55:03, 11-Jul-2018
9, 23.01, 29.5, 34, 740, 03 , 10:10:03, 11-Jul-2018
10, 56.88, 29.4, 33, 740, 00 , 10:25:03, 11-Jul-2018
11, 37.72, 29.1, 33, 740, 00 , 10:40:03, 11-Jul-2018
12, 81.42, 29.0, 32, 740, 00 , 10:55:03, 11-Jul-2018
13, 53.88, 29.1, 32, 740, 00 , 11:10:03, 11-Jul-2018
14, 39.69, 29.3, 32, 740, 00 , 11:25:03, 11-Jul-2018
15, 17.95, 30.8, 30, 740, 00 , 11:40:03, 11-Jul-2018
16, 36.02, 31.8, 27, 740, 00 , 11:55:03, 11-Jul-2018
17, 28.57, 32.2, 26, 740, 00 , 12:10:03, 11-Jul-2018
18, 16.58, 32.2, 26, 740, 00 , 12:25:03, 11-Jul-2018
19, 19.48, 32.1, 26, 740, 00 , 12:40:03, 11-Jul-2018
20, 18.66, 32.1, 25, 740, 00 , 12:55:03, 11-Jul-2018
21, 39.34, 31.8, 23, 740, 00 , 13:10:03, 11-Jul-2018
22, 19.01, 31.8, 24, 740, 00 , 13:25:03, 11-Jul-2018
23, 17.33, 31.8, 24, 740, 00 , 13:40:03, 11-Jul-2018
24, 23.68, 31.6, 24, 740, 00 , 13:55:03, 11-Jul-2018
25, 15.31, 31.1, 24, 740, 00 , 14:10:03, 11-Jul-2018
26, 16.49, 31.1, 24, 740, 00 , 14:25:03, 11-Jul-2018
27, 19.67, 31.4, 24, 740, 00 , 14:40:03, 11-Jul-2018
28, 19.10, 31.6, 23, 740, 00 , 14:55:03, 11-Jul-2018
29, 15.23, 31.6, 23, 740, 00 , 15:10:03, 11-Jul-2018
30, 10.70, 31.9, 22, 740, 00 , 15:25:03, 11-Jul-2018
31, 13.86, 32.5, 21, 740, 00 , 15:40:03, 11-Jul-2018
32, 10.32, 32.9, 20, 740, 00 , 15:55:03, 11-Jul-2018
33, 11.23, 33.2, 19, 740, 00 , 16:10:03, 11-Jul-2018
34, 9.95, 33.3, 19, 740, 00 , 16:25:03, 11-Jul-2018
35, 12.89, 32.5, 19, 740, 00 , 16:40:03, 11-Jul-2018
36, 8.27, 31.1, 21, 740, 00 , 16:55:03, 11-Jul-2018
37, 8.49, 30.7, 21, 740, 00 , 17:10:03, 11-Jul-2018

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"RH CORRECT ", "ENABLED "
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"Max STEL   ", 15.075536
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"Avg point ", 7.961746
"ALARM   ", "INSTANT "
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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 15.08, 19.8, 68, 740, 01 , 08:10:03, 11-Jul-2018
2, 11.43, 20.0, 71, 740, 00 , 08:25:03, 11-Jul-2018
3, 10.49, 20.4, 69, 740, 00 , 08:40:03, 11-Jul-2018
4, 9.42, 20.8, 68, 740, 00 , 08:55:03, 11-Jul-2018
5, 9.21, 21.4, 64, 740, 00 , 09:10:03, 11-Jul-2018
6, 9.36, 22.0, 61, 740, 00 , 09:25:03, 11-Jul-2018
7, 8.95, 22.5, 58, 742, 00 , 09:40:03, 11-Jul-2018
8, 9.12, 23.2, 54, 740, 00 , 09:55:03, 11-Jul-2018
9, 8.34, 24.4, 50, 740, 00 , 10:10:03, 11-Jul-2018
10, 8.46, 25.6, 45, 740, 00 , 10:25:03, 11-Jul-2018
11, 8.03, 26.9, 41, 742, 00 , 10:40:03, 11-Jul-2018
12, 7.53, 28.3, 38, 742, 00 , 10:55:03, 11-Jul-2018
13, 7.68, 29.8, 35, 742, 00 , 11:10:03, 11-Jul-2018
14, 7.96, 31.1, 32, 742, 00 , 11:25:03, 11-Jul-2018
15, 7.68, 32.4, 29, 742, 00 , 11:40:03, 11-Jul-2018
16, 7.42, 33.7, 27, 742, 00 , 11:55:03, 11-Jul-2018
17, 7.74, 34.6, 24, 742, 00 , 12:10:03, 11-Jul-2018
18, 8.39, 35.1, 23, 742, 00 , 12:25:03, 11-Jul-2018
19, 8.10, 35.9, 23, 742, 00 , 12:40:03, 11-Jul-2018
20, 8.04, 36.9, 21, 742, 00 , 12:55:03, 11-Jul-2018
21, 9.35, 37.5, 18, 742, 00 , 13:10:03, 11-Jul-2018
22, 9.56, 38.0, 18, 742, 00 , 13:25:03, 11-Jul-2018
23, 9.58, 38.6, 17, 742, 00 , 13:40:03, 11-Jul-2018
24, 9.17, 38.9, 17, 742, 00 , 13:55:03, 11-Jul-2018
25, 8.04, 38.9, 16, 742, 00 , 14:10:03, 11-Jul-2018
26, 7.49, 39.3, 16, 742, 00 , 14:25:03, 11-Jul-2018
27, 6.41, 39.4, 16, 742, 00 , 14:40:03, 11-Jul-2018
28, 6.22, 40.0, 15, 742, 00 , 14:55:03, 11-Jul-2018
29, 5.73, 40.7, 15, 742, 00 , 15:10:03, 11-Jul-2018
30, 5.50, 41.4, 14, 742, 00 , 15:25:03, 11-Jul-2018
31, 5.31, 42.5, 13, 742, 00 , 15:40:03, 11-Jul-2018
32, 5.30, 43.3, 13, 742, 00 , 15:55:03, 11-Jul-2018
33, 5.00, 44.0, 12, 742, 00 , 16:10:03, 11-Jul-2018
34, 4.76, 44.4, 12, 742, 00 , 16:25:03, 11-Jul-2018
35, 5.56, 43.2, 11, 742, 00 , 16:40:03, 11-Jul-2018
36, 5.20, 40.7, 13, 742, 00 , 16:55:03, 11-Jul-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 11-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 11-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 21	Unit 20	Unit 09 UW	Unit 12	Threshold	Trigger
2018-07-11 08:15:00	16.28	-4.44	15.75	28.4	150	100
2018-07-11 08:30:00	0.11	4.61	14.16	-4.19	150	100
2018-07-11 08:45:00	0.1	-2.81	11.27	-3.4	150	100
2018-07-11 09:00:00	-1.82	-4.79	12.22	-1.41	150	100
2018-07-11 09:15:00	-1.95	-2.91	11.52	-3.54	150	100
2018-07-11 09:30:00	-1.4	-5.09	10.7	-4.2	150	100
2018-07-11 09:45:00	-1.2	-3	10.01	-2.65	150	100
2018-07-11 10:00:00	-3.08	-14.15	19.56	-10.9	150	100
2018-07-11 10:15:00	-12.13	-18.61	23.83	-14.1	150	100
2018-07-11 10:30:00	1.35	-5.59	12.3	1.01	150	100
2018-07-11 10:45:00	-1.23	-8.67	12.63	-2.03	150	100
2018-07-11 11:00:00	-2.82	-9.78	15.74	-5.13	150	100
2018-07-11 11:15:00	-3.08	-10.18	14.78	-5.16	150	100
2018-07-11 11:30:00	-8.59	-10.88	20.21	-11.75	150	100
2018-07-11 11:45:00	25	-11.09	17.11	4.19	150	100
2018-07-11 12:00:00	5.75	-8.72	11.74	4.18	150	100
2018-07-11 12:15:00	0	9.01	11.96	0.21	150	100
2018-07-11 12:30:00	-13.79	-12.01	22.57	-16.27	150	100
2018-07-11 12:45:00	-13.09	-22.87	29.26	-15.11	150	100
2018-07-11 13:00:00	-13.14	-26.26	36.86	-14.86	150	100
2018-07-11 13:15:00	-5.54	0.47	16.57	-7.49	150	100
2018-07-11 13:30:00	-1.85	-3.54	12.76	-3.25	150	100
2018-07-11 13:45:00	-1.71	-15.6	25.03	-13.66	150	100
2018-07-11 14:00:00	-17.39	-20.43	31.44	-20.57	150	100
2018-07-11 14:15:00	2.35	3.67	11.26	-2.07	150	100
2018-07-11 14:30:00	-10.22	-14.9	21.42	-14.83	150	100
2018-07-11 14:45:00	-4.42	-7.24	13.57	-7.86	150	100
2018-07-11 15:00:00	-0.88	1.13	9.26	-1.31	150	100
2018-07-11 15:15:00	-6.67	-13.45	18.88	-10.35	150	100
2018-07-11 15:30:00	-11.39	-16.73	28.17	-1.91	150	100
2018-07-11 15:45:00	-2.5	-5.28	8.21	2.11	150	100
2018-07-11 16:00:00	-1.16	3.59	6.12	-6.88	150	100
2018-07-11 16:15:00	-7.14	-8.24	12.69	-11.11	150	100
2018-07-11 16:30:00	-9.39	-9.54	17.06	-16.24	150	100
2018-07-11 16:45:00	-10.16	-4.79	15.96	-15.42	150	100

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"Max STEL   ", 43.680596
"Max STEL @ ", 11:55:53 11-Jul-2018
"Avg point ", 13.307283
"ALARM   ", "INSTANT "
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"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
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3, 11.37, 23.5, 47, 740, 00 , 08:55:03, 11-Jul-2018
4, 10.40, 24.8, 41, 740, 00 , 09:10:03, 11-Jul-2018
5, 9.57, 25.7, 38, 740, 00 , 09:25:03, 11-Jul-2018
6, 9.30, 25.8, 37, 740, 00 , 09:40:03, 11-Jul-2018
7, 8.81, 25.9, 35, 740, 00 , 09:55:03, 11-Jul-2018
8, 16.48, 26.9, 32, 740, 00 , 10:10:03, 11-Jul-2018
9, 11.70, 27.5, 29, 740, 00 , 10:25:03, 11-Jul-2018
10, 13.65, 27.8, 28, 740, 00 , 10:40:03, 11-Jul-2018
11, 11.40, 28.1, 27, 740, 00 , 10:55:03, 11-Jul-2018
12, 12.92, 28.6, 27, 740, 00 , 11:10:03, 11-Jul-2018
13, 11.70, 28.9, 25, 740, 00 , 11:25:03, 11-Jul-2018
14, 11.62, 29.1, 25, 740, 00 , 11:40:03, 11-Jul-2018
15, 42.11, 29.2, 23, 742, 00 , 11:55:03, 11-Jul-2018
16, 17.49, 29.4, 23, 742, 00 , 12:10:03, 11-Jul-2018
17, 11.96, 29.2, 22, 742, 00 , 12:25:03, 11-Jul-2018
18, 8.78, 29.7, 22, 742, 00 , 12:40:03, 11-Jul-2018
19, 16.17, 30.6, 20, 742, 00 , 12:55:03, 11-Jul-2018
20, 23.72, 30.6, 17, 742, 00 , 13:10:03, 11-Jul-2018
21, 11.03, 31.0, 17, 740, 00 , 13:25:03, 11-Jul-2018
22, 10.91, 31.8, 16, 740, 00 , 13:40:03, 11-Jul-2018
23, 23.32, 31.6, 17, 740, 00 , 13:55:03, 11-Jul-2018
24, 14.05, 31.9, 17, 740, 00 , 14:10:03, 11-Jul-2018
25, 13.61, 32.1, 16, 740, 00 , 14:25:03, 11-Jul-2018
26, 11.20, 31.8, 15, 740, 00 , 14:40:03, 11-Jul-2018
27, 9.15, 32.4, 15, 740, 00 , 14:55:03, 11-Jul-2018
28, 8.38, 33.8, 14, 740, 00 , 15:10:03, 11-Jul-2018
29, 12.21, 34.6, 13, 740, 00 , 15:25:03, 11-Jul-2018
30, 16.78, 35.4, 12, 740, 00 , 15:40:03, 11-Jul-2018
31, 5.71, 36.4, 11, 740, 00 , 15:55:03, 11-Jul-2018
32, 4.96, 37.5, 10, 740, 00 , 16:10:03, 11-Jul-2018
33, 5.55, 38.2, 9, 740, 00 , 16:25:03, 11-Jul-2018
34, 7.67, 35.9, 10, 740, 00 , 16:40:03, 11-Jul-2018
35, 5.80, 34.2, 11, 740, 00 , 16:55:03, 11-Jul-2018

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 13:25:28 11-Jul-2018
"Max STEL ", 21.916833
"Max STEL @ ", 12:28:33 11-Jul-2018
"Avg point ", 8.671123
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
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3, 8.46, 27.3, 34, 740, 00 , 08:55:03, 11-Jul-2018
4, 7.43, 28.7, 29, 740, 00 , 09:10:03, 11-Jul-2018
5, 8.61, 29.8, 26, 740, 00 , 09:25:03, 11-Jul-2018
6, 5.61, 28.7, 27, 740, 00 , 09:40:03, 11-Jul-2018
7, 7.01, 28.2, 27, 740, 00 , 09:55:03, 11-Jul-2018
8, 5.41, 30.2, 23, 740, 00 , 10:10:03, 11-Jul-2018
9, 5.22, 31.3, 20, 740, 00 , 10:25:03, 11-Jul-2018
10, 6.71, 31.7, 19, 740, 00 , 10:40:03, 11-Jul-2018
11, 3.96, 31.1, 18, 742, 00 , 10:55:03, 11-Jul-2018
12, 5.96, 30.7, 19, 740, 00 , 11:10:03, 11-Jul-2018
13, 4.60, 31.0, 18, 740, 00 , 11:25:03, 11-Jul-2018
14, 9.33, 31.4, 17, 742, 00 , 11:40:03, 11-Jul-2018
15, 6.02, 31.9, 16, 742, 00 , 11:55:03, 11-Jul-2018
16, 3.02, 32.1, 15, 742, 00 , 12:10:03, 11-Jul-2018
17, 20.97, 32.5, 14, 742, 00 , 12:25:03, 11-Jul-2018
18, 10.56, 32.0, 15, 742, 00 , 12:40:03, 11-Jul-2018
19, 6.39, 30.7, 16, 742, 00 , 12:55:03, 11-Jul-2018
20, 10.60, 30.3, 14, 742, 00 , 13:10:03, 11-Jul-2018
21, 17.04, 29.8, 15, 740, 00 , 13:25:03, 11-Jul-2018
22, 9.22, 29.6, 16, 740, 00 , 13:40:03, 11-Jul-2018
23, 9.43, 29.5, 16, 740, 00 , 13:55:03, 11-Jul-2018
24, 11.01, 29.4, 15, 740, 00 , 14:10:03, 11-Jul-2018
25, 14.93, 29.4, 15, 740, 00 , 14:25:03, 11-Jul-2018
26, 6.52, 30.0, 14, 740, 00 , 14:40:03, 11-Jul-2018
27, 6.33, 30.0, 14, 740, 00 , 14:55:03, 11-Jul-2018
28, 10.39, 29.5, 14, 740, 00 , 15:10:03, 11-Jul-2018
29, 5.43, 29.1, 14, 740, 00 , 15:25:03, 11-Jul-2018
30, 11.44, 29.1, 14, 740, 00 , 15:40:03, 11-Jul-2018
31, 2.93, 29.1, 14, 740, 00 , 15:55:03, 11-Jul-2018
32, 9.71, 28.8, 14, 740, 00 , 16:10:03, 11-Jul-2018
33, 4.45, 28.6, 14, 740, 00 , 16:25:03, 11-Jul-2018
34, 7.52, 28.1, 14, 742, 00 , 16:40:03, 11-Jul-2018
35, 11.17, 27.1, 15, 742, 00 , 16:55:03, 11-Jul-2018

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"Max Disp @ ", 13:53:37 11-Jul-2018
"Max STEL   ", 41.270132
"Max STEL @ ", 13:12:13 11-Jul-2018
"Avg point ", 16.644653
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
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    3,   11.27, 21.5,   58,   738, 00 , 08:55:03, 11-Jul-2018
    4,   12.22, 22.0,   56,   738, 00 , 09:10:03, 11-Jul-2018
    5,   11.52, 22.7,   53,   738, 00 , 09:25:03, 11-Jul-2018
    6,   10.70, 23.1,   50,   740, 00 , 09:40:03, 11-Jul-2018
    7,   10.01, 23.6,   47,   740, 00 , 09:55:03, 11-Jul-2018
    8,   19.56, 24.8,   43,   740, 00 , 10:10:03, 11-Jul-2018
    9,   23.83, 27.0,   39,   740, 00 , 10:25:03, 11-Jul-2018
   10,   12.30, 28.9,   36,   740, 00 , 10:40:03, 11-Jul-2018
   11,   12.63, 30.0,   30,   740, 00 , 10:55:03, 11-Jul-2018
   12,   15.74, 30.7,   30,   740, 00 , 11:10:03, 11-Jul-2018
   13,   14.78, 31.4,   27,   740, 00 , 11:25:03, 11-Jul-2018
   14,   20.21, 32.1,   27,   740, 00 , 11:40:03, 11-Jul-2018
   15,   17.11, 32.6,   25,   740, 00 , 11:55:03, 11-Jul-2018
   16,   11.74, 32.7,   26,   740, 00 , 12:10:03, 11-Jul-2018
   17,   11.96, 32.7,   24,   740, 00 , 12:25:03, 11-Jul-2018
   18,   22.57, 32.9,   24,   740, 00 , 12:40:03, 11-Jul-2018
   19,   29.26, 33.6,   23,   740, 00 , 12:55:03, 11-Jul-2018
   20,   36.86, 34.0,   21,   740, 00 , 13:10:03, 11-Jul-2018
   21,   16.57, 34.4,   22,   740, 00 , 13:25:03, 11-Jul-2018
   22,   12.76, 34.7,   21,   740, 00 , 13:40:03, 11-Jul-2018
   23,   25.03, 34.6,   22,   740, 00 , 13:55:03, 11-Jul-2018
   24,   31.44, 34.4,   20,   740, 00 , 14:10:03, 11-Jul-2018
   25,   11.26, 34.1,   20,   740, 00 , 14:25:03, 11-Jul-2018
   26,   21.42, 33.8,   20,   740, 00 , 14:40:03, 11-Jul-2018
   27,   13.57, 33.3,   21,   740, 00 , 14:55:03, 11-Jul-2018
   28,   9.26, 32.5,   22,   740, 00 , 15:10:03, 11-Jul-2018
   29,   18.88, 31.9,   21,   740, 00 , 15:25:03, 11-Jul-2018
   30,   28.17, 31.6,   21,   740, 00 , 15:40:03, 11-Jul-2018
   31,   8.21, 31.3,   21,   740, 00 , 15:55:03, 11-Jul-2018
   32,   6.12, 31.1,   21,   740, 00 , 16:10:03, 11-Jul-2018
   33,   12.69, 31.0,   19,   740, 00 , 16:25:03, 11-Jul-2018
   34,   17.06, 30.4,   20,   740, 00 , 16:40:03, 11-Jul-2018
   35,   15.96, 29.7,   21,   740, 00 , 16:55:03, 11-Jul-2018

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"Max STEL @ ", 08:25:03 11-Jul-2018
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"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
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DAILY OBSERVATION REPORT

Report No.:	35	Project File:	MN0832D	Date:	7/12/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — *an affiliate of Geosyntec Consultants*

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: James Burnett

Site Representative: Matt Schallinger

Arrive at Site: 0645hrs. Leave Site: 1845 hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Sunny, Clear	am	Increasing Clouds	pm
Temperature:	60° F	am	74° F	pm
Wind Direction:	5 SW	am	NW	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 35 Project File: MN0832D Date: 7/12/2018

Materials Imported and Removed from Work Areas

Soil Removal:

Total Loads today: 10 Total Loads to date: 133

Weight: 250 tons Total Weight to date: ~3317 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 15

Weight: 0 Tons Total Weight to date: ~293 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: 0Tons Total Weight to date: 132 Tons

Imported Common Fill:

Total Loads today: 18 Total Loads to date: 113

Weight: ~22 Tons/each Total Weight to date: ~2486 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0645. Attended Recon safety meeting. Matthew Schallinger, Hannah Zafar, Jim Burnett, Alex Ambrosino and Elizabeth Lee were on site. MS holds Geosyntec tailgate safety meeting. Review stop work authority, slips/trips/falls and site traffic. Review work plan for the day.
- MS meets with Recon and discusses excavation plan for the day. Recon anticipates completion of phase one excavation by 0900.
- HZ and EL calibrate and deploy dust monitors in the MSA and RPL.
- Recon excavated two truckloads of 0-2’ bgs non-hazardous material in the RPL. Additionally, Recon excavated near K-wing 4-10’ bgs non-hazardous material from phase one and transported it to the MSA.
- Recon completes phase one excavation.

Report No.:	35	Project File:	MN0832D	Date:	7/12/2018

- Geosyntec collects samples from 2 side walls and a pipe from the concrete slab uncovered yesterday afternoon. Samples were collected in the 10-12' bgs level. Additionally, 2 samples were collected from the exposed base (10' bgs) of the concrete slab. All samples collected today were submitted for analysis.
- Geosyntec collects sidewall samples along the gas line.
- Recon surveys sample locations with a GPS.
- Trucks were pressure washed with water on the decon pad before leaving the site.
- JB observes loading of trucks and issues manifests once the trucks have been inspected.
- All trucks leaving the RPL and the MSA were decontaminated before entering the haul road.
- Matt of NYSEG onsite to inspect exposed gas line. NYSEG approved of gas line condition and acknowledged that it will need to be re-wrapped with liner. Recon and NYSEG discuss scheduling for the anticipated work.

PM

- Recon excavated 0-2' bgs non-hazardous and reuse material along the western edge of phase two.
- Seth Lovell onsite to conduct confirmation survey of exposed excavation.
- Recon applies geotextile fabric and an orange demarcation layer over phase one excavation.
- Scott Williams onsite.
- 10 TSCA trucks were loaded for shipment today. All trucks were inspected, and the tires were pressure washed before leaving the site.
- Recon sprayed water along the haul road and the TSCA accumulation pile several times during the day. Recon sprayed water inside the RPL haul road.
- Jason Plumley of Welliver on site. Meets with Recon to review excavation progress and scheduled turnover date. Recon and JP continued to discuss turnover criteria.
- Recon begins backfilling from east to west in phase one. No compaction occurred today.
- MS and Recon hold end of day meeting and discuss upcoming activities and planning for tomorrow.
- Recon began covering piles around 1700 and securing the site.
- EL and HZ collect dust monitors and extract data.
- No dust exceedances were recorded today.
- No vibration exceedances were recorded from yesterday 7/11/18.

Report No.: 35 Project File: MN0832D Date: 7/12/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Brian Kilkenny
- Addison Hofferth
- Brian Balog
- Scott Early
- Rich Tonnucour
- (Recon labor) X18

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- 8x40 Office Trailer
- Portable Toilets
- Hand Wash Stations
- ST-197 Dodge Ram Work Truck
- 8x20 Storage Box
- Trimble GPS System (Base, Rover, Data Collector)
- 8x20 Office Trailer
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 Containments
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Vibratory Hammer
- Roller
- Site F250

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	DEC	Yes
Jason Plumley	Welliver	Yes
Tim Cleary	Atlantic	Yes
Matt	NYSG	Yes
Seth Lovell	Hunt	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Substantial Completion Date: NA
Completion Date: NA

ITEMS OF CONCERN:

- None.

DAILY OBSERVATION REPORT

Report No.:	35	Project File:	MN0832D	Date:	7/12/2018

Site Representative: M. Schallinger

Date: 7/12/2018

Name: (*signature*)



:

Report No.: 35 Project File: MN0832D Date: 7/12/2018

Photo Log

Date : 7/12/2018



Morning view of the RPL. View is facing SSE.



Recon applying the geotextile fabric in phase one.



Recon implementing dust control measures.



Current extent of backfilling in phase one.

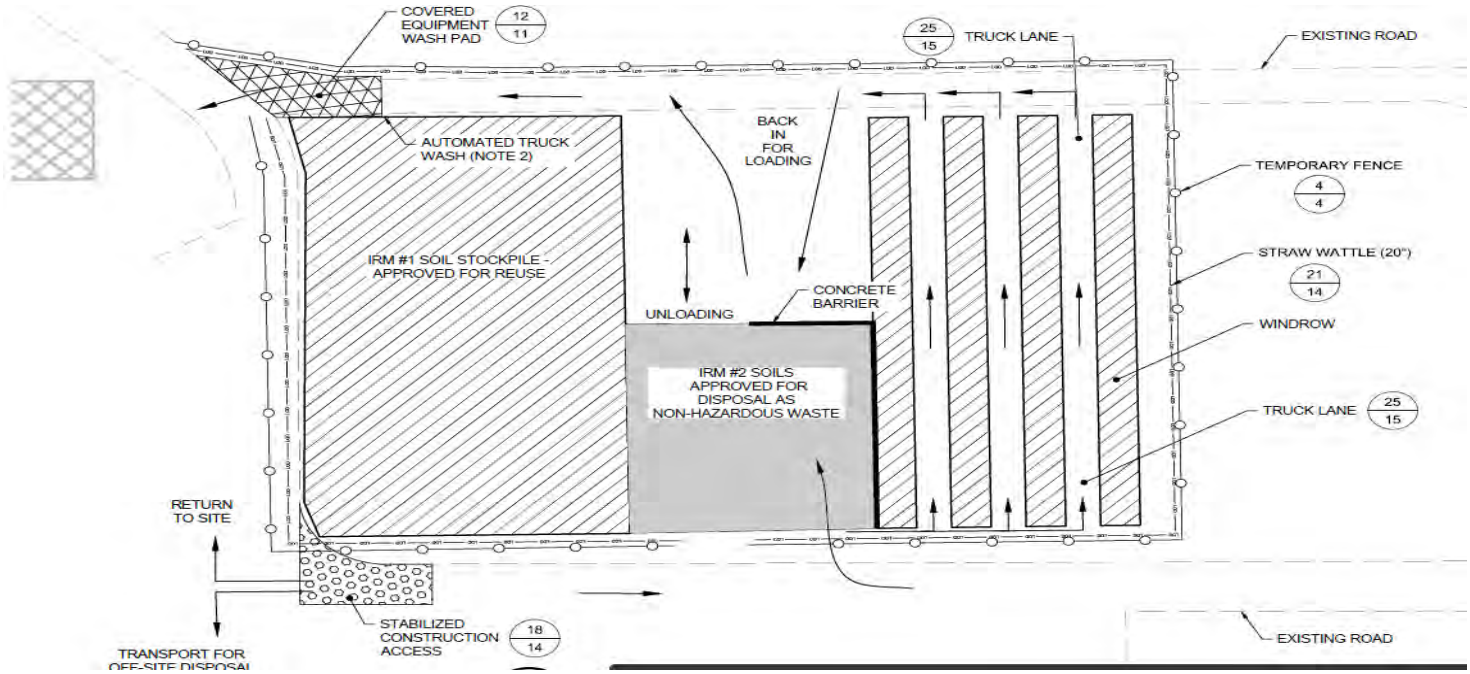
Report No.:	35	Project File:	MN0832D	Date:	7/12/2018

Site Map

Rear Parking Lot

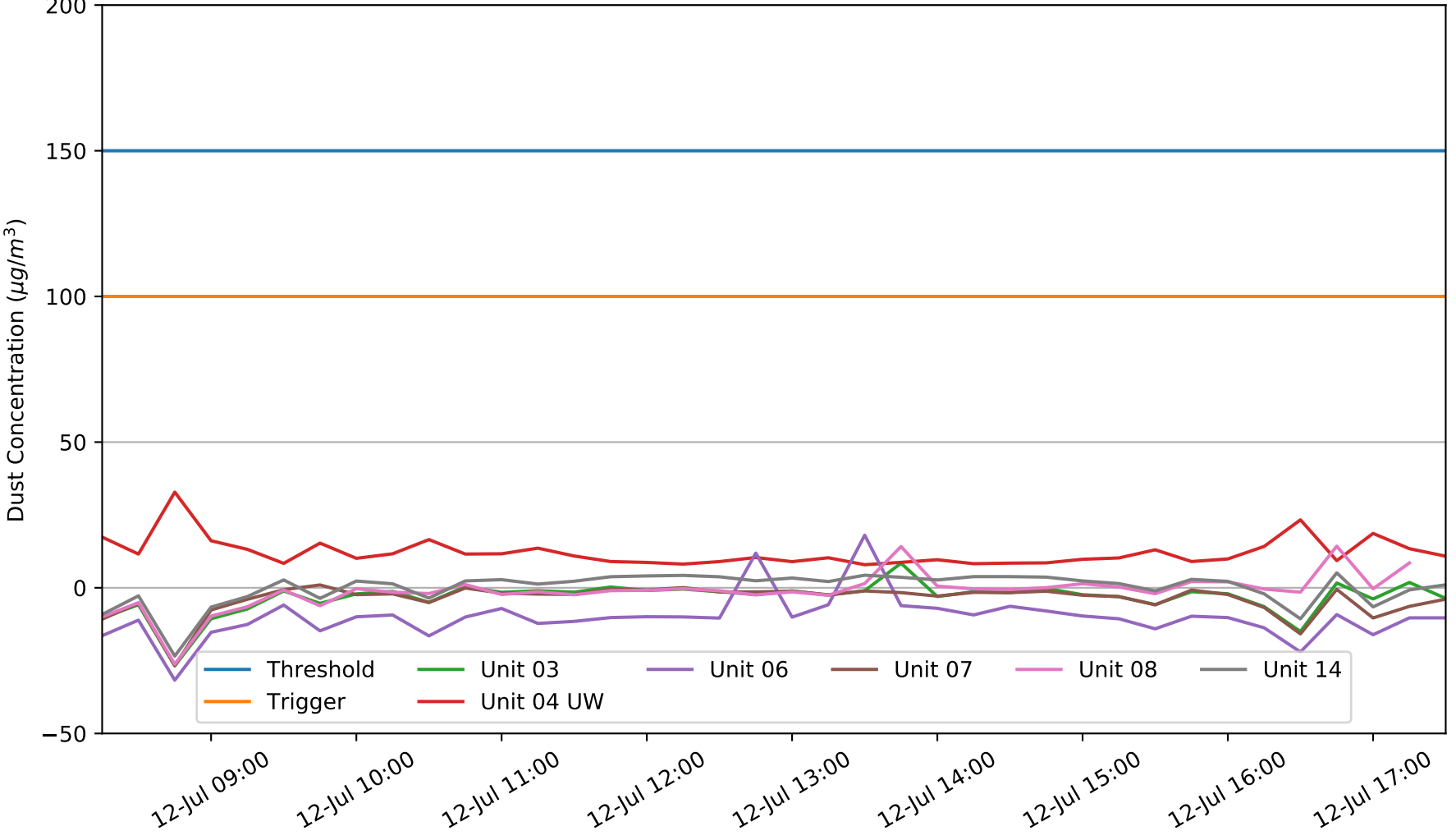


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 12-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 12-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 03	Unit 06	Unit 14	Unit 07	Unit 04 UW	Unit 08	Threshold	Trigger
2018-07-12 08:15:00	-10.35	-16.45	-9.15	-10.76	17.4	-10.02	150	100
2018-07-12 08:30:00	-5.81	-11.1	-2.77	-5.31	11.57	-5.11	150	100
2018-07-12 08:45:00	-26.77	-31.71	-23.45	-26.72	32.84	-26.25	150	100
2018-07-12 09:00:00	-10.61	-15.28	-6.63	-7.6	16.14	-9.72	150	100
2018-07-12 09:15:00	-7.27	-12.59	-3.02	-3.95	13.19	-6.5	150	100
2018-07-12 09:30:00	-1.08	-5.92	2.7	-0.66	8.38	-0.74	150	100
2018-07-12 09:45:00	-5.35	-14.77	-3.64	0.97	15.33	-6.18	150	100
2018-07-12 10:00:00	-2.09	-9.96	2.31	-2.35	10.11	-0.32	150	100
2018-07-12 10:15:00	-1.24	-9.34	1.36	-2.09	11.67	-1.52	150	100
2018-07-12 10:30:00	-4.98	-16.51	-3.54	-5.08	16.54	-1.98	150	100
2018-07-12 10:45:00	0.37	-10.05	2.35	-0.08	11.58	1.11	150	100
2018-07-12 11:00:00	-1.56	-7.1	2.79	-1.84	11.67	-2.3	150	100
2018-07-12 11:15:00	-1	-12.23	1.27	-2.16	13.6	-1.39	150	100
2018-07-12 11:30:00	-1.51	-11.53	2.25	-2.29	10.91	-2.4	150	100
2018-07-12 11:45:00	0.26	-10.23	3.79	-0.44	9.01	-0.99	150	100
2018-07-12 12:00:00	-0.91	-9.93	4.07	-0.77	8.7	-0.85	150	100
2018-07-12 12:15:00	-0.45	-10	4.25	0.06	8.13	-0.31	150	100
2018-07-12 12:30:00	-1.35	-10.4	3.77	-1.42	8.99	-1.01	150	100
2018-07-12 12:45:00	-2.34	11.9	2.4	-1.42	10.39	-2.44	150	100
2018-07-12 13:00:00	-1.08	-10.08	3.35	-1.15	8.97	-1.4	150	100
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2018-07-12 13:45:00	8.44	-6.13	3.61	-1.66	8.73	14.16	150	100
2018-07-12 14:00:00	-3.01	-7.05	2.68	-2.86	9.62	0.56	150	100
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2018-07-12 14:30:00	-1.69	-6.35	3.83	-1.66	8.46	-0.59	150	100
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2018-07-12 15:00:00	-2.38	-9.69	2.36	-2.56	9.78	1.4	150	100
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"Avg point ", 12.135165
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2, 8.80, 22.2, 45, 744, 00 , 08:30:03, 12-Jul-2018
3, 9.39, 24.6, 40, 744, 00 , 08:45:03, 12-Jul-2018
4, 9.51, 27.1, 35, 744, 00 , 09:00:03, 12-Jul-2018
5, 10.17, 29.3, 31, 744, 00 , 09:15:03, 12-Jul-2018
6, 11.08, 30.9, 28, 744, 00 , 09:30:03, 12-Jul-2018
7, 11.69, 32.0, 27, 744, 00 , 09:45:03, 12-Jul-2018
8, 12.42, 32.7, 25, 744, 00 , 10:00:03, 12-Jul-2018
9, 13.03, 33.5, 25, 744, 00 , 10:15:03, 12-Jul-2018
10, 13.00, 34.8, 23, 744, 00 , 10:30:03, 12-Jul-2018
11, 13.93, 35.7, 22, 744, 00 , 10:45:03, 12-Jul-2018
12, 14.46, 36.5, 21, 744, 00 , 11:00:03, 12-Jul-2018
13, 14.87, 37.3, 18, 744, 00 , 11:15:03, 12-Jul-2018
14, 13.16, 37.3, 17, 744, 00 , 11:30:03, 12-Jul-2018
15, 12.80, 36.4, 18, 744, 00 , 11:45:03, 12-Jul-2018
16, 12.77, 35.6, 20, 744, 00 , 12:00:03, 12-Jul-2018
17, 12.38, 35.1, 21, 744, 00 , 12:15:03, 12-Jul-2018
18, 12.76, 35.3, 20, 744, 00 , 12:30:03, 12-Jul-2018
19, 12.79, 35.3, 20, 744, 00 , 12:45:03, 12-Jul-2018
20, 12.32, 35.8, 18, 744, 00 , 13:00:03, 12-Jul-2018
21, 12.44, 35.6, 18, 744, 00 , 13:15:03, 12-Jul-2018
22, 12.23, 34.7, 18, 744, 00 , 13:30:03, 12-Jul-2018
23, 12.34, 34.6, 19, 744, 00 , 13:45:03, 12-Jul-2018
24, 12.30, 35.1, 18, 744, 00 , 14:00:03, 12-Jul-2018
25, 12.10, 35.3, 17, 744, 00 , 14:15:03, 12-Jul-2018
26, 12.29, 35.1, 17, 744, 00 , 14:30:03, 12-Jul-2018
27, 12.21, 33.6, 18, 744, 00 , 14:45:03, 12-Jul-2018
28, 12.14, 31.6, 20, 744, 00 , 15:00:03, 12-Jul-2018
29, 11.68, 30.6, 23, 744, 00 , 15:15:03, 12-Jul-2018
30, 11.98, 30.2, 24, 744, 00 , 15:30:03, 12-Jul-2018
31, 11.89, 30.2, 25, 744, 00 , 15:45:03, 12-Jul-2018
32, 12.11, 30.8, 24, 744, 00 , 16:00:03, 12-Jul-2018
33, 12.12, 31.0, 23, 742, 00 , 16:15:03, 12-Jul-2018
34, 12.66, 31.2, 24, 742, 00 , 16:30:03, 12-Jul-2018
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36, 12.10, 31.2, 24, 742, 00 , 17:00:03, 12-Jul-2018
37, 12.69, 30.8, 26, 742, 00 , 17:15:03, 12-Jul-2018
38, 11.85, 30.5, 26, 742, 00 , 17:30:03, 12-Jul-2018

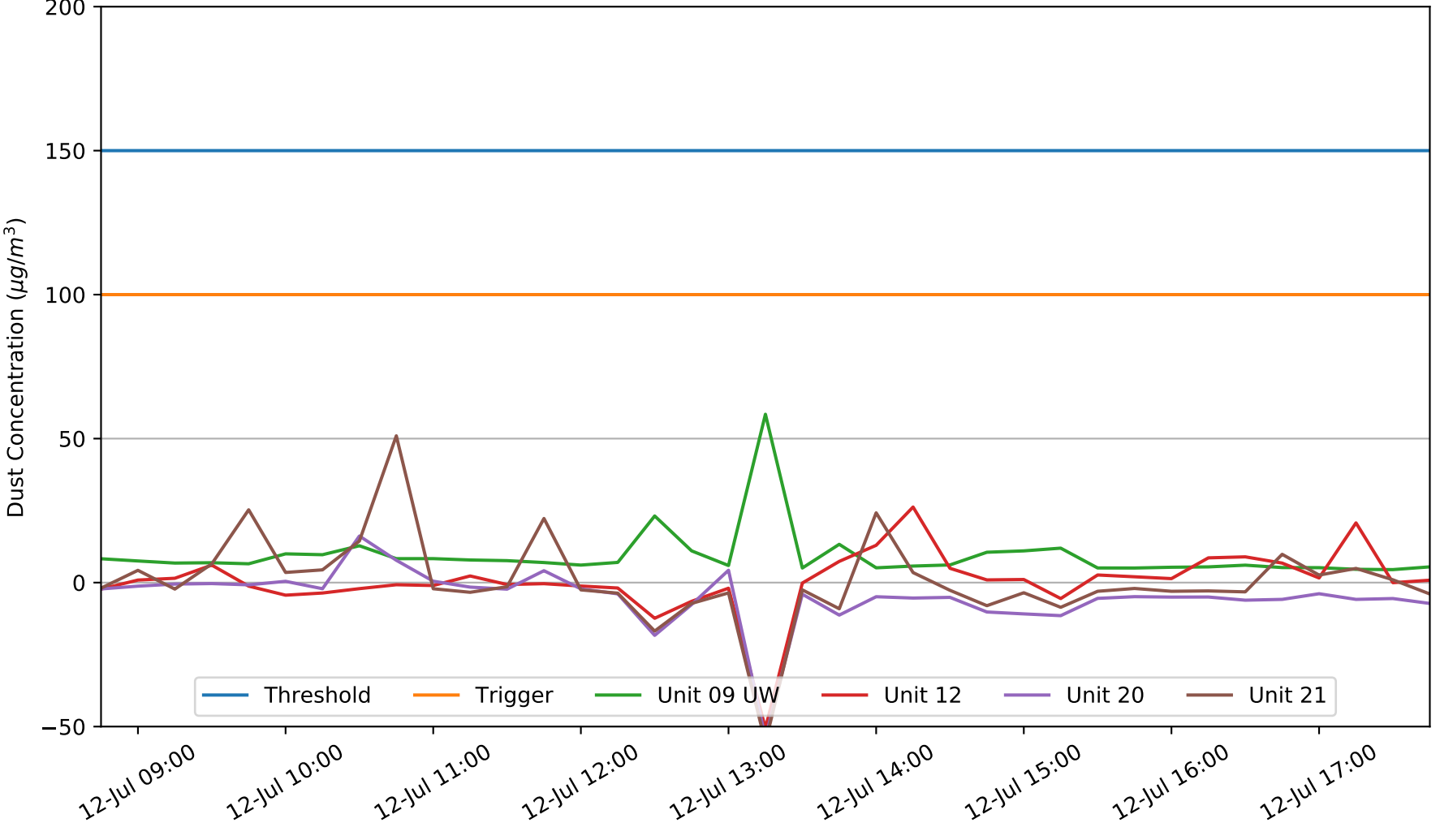
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4, 8.54, 16.4, 62, 746, 00 , 09:00:03, 12-Jul-2018
5, 9.24, 16.8, 61, 746, 00 , 09:15:03, 12-Jul-2018
6, 7.72, 17.3, 59, 746, 00 , 09:30:03, 12-Jul-2018
7, 16.30, 18.0, 57, 746, 00 , 09:45:03, 12-Jul-2018
8, 7.76, 18.9, 57, 744, 00 , 10:00:03, 12-Jul-2018
9, 9.58, 20.1, 54, 746, 00 , 10:15:03, 12-Jul-2018
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11, 11.50, 21.8, 49, 746, 00 , 10:45:03, 12-Jul-2018
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17, 8.19, 26.3, 34, 744, 00 , 12:15:03, 12-Jul-2018
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20, 7.82, 28.0, 30, 744, 00 , 13:00:03, 12-Jul-2018
21, 7.88, 28.6, 28, 744, 00 , 13:15:03, 12-Jul-2018
22, 6.84, 28.9, 26, 744, 00 , 13:30:03, 12-Jul-2018
23, 7.07, 29.3, 26, 744, 00 , 13:45:03, 12-Jul-2018
24, 6.76, 29.8, 26, 744, 00 , 14:00:03, 12-Jul-2018
25, 6.70, 30.6, 24, 744, 00 , 14:15:03, 12-Jul-2018
26, 6.80, 31.1, 23, 744, 00 , 14:30:03, 12-Jul-2018
27, 7.38, 31.5, 22, 744, 00 , 14:45:03, 12-Jul-2018
28, 7.22, 32.0, 21, 744, 00 , 15:00:03, 12-Jul-2018
29, 7.22, 32.3, 21, 744, 00 , 15:15:03, 12-Jul-2018
30, 7.17, 32.5, 22, 744, 00 , 15:30:03, 12-Jul-2018
31, 8.23, 32.4, 23, 744, 00 , 15:45:03, 12-Jul-2018
32, 7.59, 32.6, 23, 744, 00 , 16:00:03, 12-Jul-2018
33, 7.43, 33.2, 22, 744, 00 , 16:15:03, 12-Jul-2018
34, 7.49, 34.3, 22, 744, 00 , 16:30:03, 12-Jul-2018
35, 8.78, 36.1, 20, 744, 00 , 16:45:03, 12-Jul-2018
36, 8.30, 38.3, 17, 744, 00 , 17:00:03, 12-Jul-2018
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38, 6.94, 40.9, 15, 744, 00 , 17:30:03, 12-Jul-2018

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"Max STEL @ ", 08:48:03 12-Jul-2018
"Avg point ", 12.070968
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"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
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2, 11.57, 24.5, 39, 746, 01 , 08:30:03, 12-Jul-2018
3, 32.84, 26.4, 35, 746, 01 , 08:45:03, 12-Jul-2018
4, 16.14, 27.5, 33, 746, 01 , 09:00:03, 12-Jul-2018
5, 13.19, 28.7, 31, 746, 01 , 09:15:03, 12-Jul-2018
6, 8.38, 30.3, 29, 746, 01 , 09:30:03, 12-Jul-2018
7, 15.33, 31.8, 27, 746, 01 , 09:45:03, 12-Jul-2018
8, 10.11, 32.5, 27, 746, 01 , 10:00:03, 12-Jul-2018
9, 11.67, 33.2, 26, 746, 01 , 10:15:03, 12-Jul-2018
10, 16.54, 34.0, 26, 746, 01 , 10:30:03, 12-Jul-2018
11, 11.58, 35.0, 24, 746, 01 , 10:45:03, 12-Jul-2018
12, 11.67, 35.7, 23, 746, 01 , 11:00:03, 12-Jul-2018
13, 13.60, 36.2, 20, 746, 01 , 11:15:03, 12-Jul-2018
14, 10.91, 36.5, 19, 746, 01 , 11:30:03, 12-Jul-2018
15, 9.01, 36.7, 19, 746, 01 , 11:45:03, 12-Jul-2018
16, 8.70, 36.6, 20, 746, 01 , 12:00:03, 12-Jul-2018
17, 8.13, 36.7, 20, 746, 01 , 12:15:03, 12-Jul-2018
18, 8.99, 36.8, 20, 746, 01 , 12:30:03, 12-Jul-2018
19, 10.39, 36.7, 20, 746, 01 , 12:45:03, 12-Jul-2018
20, 8.97, 36.9, 19, 746, 01 , 13:00:03, 12-Jul-2018
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22, 7.92, 37.0, 17, 746, 01 , 13:30:03, 12-Jul-2018
23, 8.73, 36.8, 17, 746, 01 , 13:45:03, 12-Jul-2018
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25, 8.27, 36.0, 18, 746, 01 , 14:15:03, 12-Jul-2018
26, 8.46, 36.1, 18, 746, 01 , 14:30:03, 12-Jul-2018
27, 8.55, 36.5, 17, 746, 01 , 14:45:03, 12-Jul-2018
28, 9.78, 36.9, 17, 746, 01 , 15:00:03, 12-Jul-2018
29, 10.24, 37.6, 17, 746, 01 , 15:15:03, 12-Jul-2018
30, 13.04, 37.5, 18, 746, 01 , 15:30:03, 12-Jul-2018
31, 9.01, 36.1, 19, 746, 01 , 15:45:03, 12-Jul-2018
32, 9.90, 36.2, 19, 746, 01 , 16:00:03, 12-Jul-2018
33, 14.19, 36.5, 19, 746, 01 , 16:15:03, 12-Jul-2018
34, 23.32, 37.6, 18, 746, 01 , 16:30:03, 12-Jul-2018
35, 9.32, 37.3, 18, 746, 01 , 16:45:03, 12-Jul-2018
36, 18.66, 38.4, 18, 746, 01 , 17:00:03, 12-Jul-2018
37, 13.42, 38.2, 19, 746, 01 , 17:15:03, 12-Jul-2018
38, 10.84, 38.3, 18, 746, 01 , 17:30:03, 12-Jul-2018

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"RH CORRECT ", "ENABLED "
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"Max STEL ", 29.132533
"Max STEL @ ", 16:40:33 12-Jul-2018
"Avg point ", 10.931796
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
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4, 6.42, 17.0, 56, 744, 00 , 09:00:03, 12-Jul-2018
5, 6.69, 17.4, 55, 744, 00 , 09:15:03, 12-Jul-2018
6, 7.64, 18.0, 54, 744, 00 , 09:30:03, 12-Jul-2018
7, 9.15, 18.6, 53, 744, 00 , 09:45:03, 12-Jul-2018
8, 9.79, 19.3, 52, 744, 00 , 10:00:03, 12-Jul-2018
9, 10.15, 20.2, 50, 744, 00 , 10:15:03, 12-Jul-2018
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11, 12.69, 22.1, 44, 744, 00 , 10:45:03, 12-Jul-2018
12, 9.37, 23.2, 41, 744, 00 , 11:00:03, 12-Jul-2018
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16, 7.85, 26.8, 30, 744, 00 , 12:00:03, 12-Jul-2018
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18, 7.98, 28.1, 29, 744, 00 , 12:30:03, 12-Jul-2018
19, 7.95, 29.0, 25, 744, 00 , 12:45:03, 12-Jul-2018
20, 7.57, 30.0, 24, 744, 00 , 13:00:03, 12-Jul-2018
21, 7.74, 31.0, 22, 744, 00 , 13:15:03, 12-Jul-2018
22, 9.36, 32.2, 21, 742, 00 , 13:30:03, 12-Jul-2018
23, 22.89, 33.8, 19, 742, 00 , 13:45:03, 12-Jul-2018
24, 10.18, 36.3, 17, 742, 00 , 14:00:03, 12-Jul-2018
25, 7.89, 40.0, 13, 742, 00 , 14:15:03, 12-Jul-2018
26, 7.87, 42.8, 10, 742, 00 , 14:30:03, 12-Jul-2018
27, 8.60, 45.1, 9, 742, 00 , 14:45:03, 12-Jul-2018
28, 11.18, 47.4, 7, 742, 00 , 15:00:03, 12-Jul-2018
29, 10.50, 49.1, 7, 742, 00 , 15:15:03, 12-Jul-2018
30, 11.00, 50.7, 6, 742, 00 , 15:30:03, 12-Jul-2018
31, 11.15, 49.6, 6, 742, 00 , 15:45:03, 12-Jul-2018
32, 11.95, 50.2, 6, 742, 00 , 16:00:03, 12-Jul-2018
33, 13.75, 50.7, 6, 742, 00 , 16:15:03, 12-Jul-2018
34, 21.82, 51.8, 6, 742, 00 , 16:30:03, 12-Jul-2018
35, 23.59, 53.0, 5, 742, 00 , 16:45:03, 12-Jul-2018
36, 18.31, 53.0, 5, 742, 00 , 17:00:03, 12-Jul-2018
37, 21.94, 52.5, 6, 742, 00 , 17:15:03, 12-Jul-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 12-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 12-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 12	Unit 21	Unit 09 UW	Unit 20	Threshold	Trigger
2018-07-12 08:45:00	-2.25	-1.93	8.28	-2.2	150	100
2018-07-12 09:00:00	0.88	4.26	7.51	-1.23	150	100
2018-07-12 09:15:00	1.5	-2.26	6.78	-0.52	150	100
2018-07-12 09:30:00	6.07	6.49	6.9	-0.34	150	100
2018-07-12 09:45:00	-1.23	25.28	6.53	-0.78	150	100
2018-07-12 10:00:00	-4.37	3.52	9.98	0.44	150	100
2018-07-12 10:15:00	-3.62	4.42	9.68	-2.13	150	100
2018-07-12 10:30:00	-2.1	14.43	12.79	16.18	150	100
2018-07-12 10:45:00	-0.75	50.97	8.31	7.75	150	100
2018-07-12 11:00:00	-1.01	-2.14	8.32	0.48	150	100
2018-07-12 11:15:00	2.3	-3.37	7.85	-1.57	150	100
2018-07-12 11:30:00	-0.67	-1.45	7.62	-2.28	150	100
2018-07-12 11:45:00	-0.38	22.27	6.96	4.13	150	100
2018-07-12 12:00:00	-1.19	-2.53	6.08	-2.18	150	100
2018-07-12 12:15:00	-1.88	-3.67	7.01	-3.91	150	100
2018-07-12 12:30:00	-12.39	-16.84	23.14	-18.33	150	100
2018-07-12 12:45:00	-6.5	-7.23	11.02	-7.63	150	100
2018-07-12 13:00:00	-1.95	-3.58	5.93	4.29	150	100
2018-07-12 13:15:00	-50.58	-55.62	58.46	-53.93	150	100
2018-07-12 13:30:00	-0.16	-2.52	5.06	-4.04	150	100
2018-07-12 13:45:00	7.36	-9.09	13.29	-11.29	150	100
2018-07-12 14:00:00	12.95	24.23	5.13	-4.91	150	100
2018-07-12 14:15:00	26.24	3.48	5.74	-5.37	150	100
2018-07-12 14:30:00	4.96	-2.68	6.13	-5.13	150	100
2018-07-12 14:45:00	0.93	-8.02	10.54	-10.21	150	100
2018-07-12 15:00:00	1.07	-3.53	11.01	-10.87	150	100
2018-07-12 15:15:00	-5.54	-8.58	11.96	-11.48	150	100
2018-07-12 15:30:00	2.64	-3.02	5.08	-5.48	150	100
2018-07-12 15:45:00	2.02	-2.04	5.06	-4.89	150	100
2018-07-12 16:00:00	1.38	-3.02	5.33	-5.04	150	100
2018-07-12 16:15:00	8.59	-2.89	5.45	-5.01	150	100
2018-07-12 16:30:00	8.94	-3.22	6.05	-6.11	150	100
2018-07-12 16:45:00	6.77	9.82	5.22	-5.83	150	100
2018-07-12 17:00:00	1.6	2.61	5.18	-3.87	150	100
2018-07-12 17:15:00	20.74	4.92	4.61	-5.83	150	100
2018-07-12 17:30:00	-0.03	0.97	4.51	-5.54	150	100
2018-07-12 17:45:00	0.83	-3.95	5.46	-7.24	150	100

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"ALARM ", "INSTANT "
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14, 4.89, 36.0, 19, 746, 00 , 12:00:03, 12-Jul-2018
15, 5.13, 35.5, 19, 746, 00 , 12:15:03, 12-Jul-2018
16, 10.75, 35.7, 19, 746, 00 , 12:30:03, 12-Jul-2018
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18, 3.98, 33.7, 20, 746, 00 , 13:00:03, 12-Jul-2018
19, 7.88, 32.4, 21, 746, 00 , 13:15:03, 12-Jul-2018
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21, 20.65, 30.5, 23, 744, 00 , 13:45:03, 12-Jul-2018
22, 18.08, 29.8, 23, 744, 00 , 14:00:03, 12-Jul-2018
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33, 11.99, 28.9, 26, 744, 00 , 16:45:03, 12-Jul-2018
34, 6.78, 30.2, 25, 744, 00 , 17:00:03, 12-Jul-2018
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37, 6.29, 29.5, 26, 744, 00 , 17:45:03, 12-Jul-2018

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4, 13.39, 22.4, 39, 746, 00 , 09:30:03, 12-Jul-2018
5, 31.81, 23.5, 35, 744, 00 , 09:45:03, 12-Jul-2018
6, 13.50, 24.2, 33, 744, 00 , 10:00:03, 12-Jul-2018
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29, 3.02, 39.6, 10, 744, 00 , 15:45:03, 12-Jul-2018
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32, 2.83, 40.9, 9, 744, 00 , 16:30:03, 12-Jul-2018
33, 15.04, 41.3, 9, 744, 00 , 16:45:03, 12-Jul-2018
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DAILY OBSERVATION REPORT

Report No.:	36	Project File:	MN0832D	Date:	7/13/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — *an affiliate of Geosyntec Consultants*

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: James Burnett

Site Representative: Matt Schallinger

Arrive at Site: 0645hrs. Leave Site: 1800 hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Sunny, Clear	am	Increasing Clouds	pm
Temperature:	57° F	am	87° F	pm
Wind Direction:	0 SW	am	13 NW	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☒	No ☐	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 36 Project File: MN0832D Date: 7/13/2018

Materials Imported and Removed from Work Areas

Soil Removal:

Total Loads today: 12 Total Loads to date: 145

Weight: ~300 tons Total Weight to date: ~3617 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 15

Weight: 0 Tons Total Weight to date: ~293 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: 0Tons Total Weight to date: 132 Tons

Imported Common Fill:

Total Loads today: Pending Total Loads to date: 113

Weight: ~22 Tons/each Total Weight to date: ~2486 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0645. Attended Recon safety meeting. Matthew Schallinger, Hannah Zafar, Jim Burnett, Alex Ambrosino and Elizabeth Lee were on site. MS holds Geosyntec tailgate safety meeting. Review work plan for the day.
- MS meets with Recon and discusses excavation and backfilling plan for the day.
- HZ and EL calibrate and deploy dust monitors in the MSA and RPL.
- Recon excavated 0-2’ bgs non-hazardous material in the western end of phase two and transported the material to the MSA.
- Recon backfills, grades and compacted the fill material in phase one.
- Tim Cleary of Atlantic testing takes compaction readings using a nuclear density gauge.
- Seth Lovell of Hunt onsite to survey the extent of the geotextile fabric.
- TSCA trucks are loaded on the loading pad, inspected by Geosyntec and Recon and tarped.

Report No.:	36	Project File:	MN0832D	Date:	7/13/2018

- Trucks were pressure washed with water on the decon pad before leaving the site.
- JB observes loading of trucks and issues manifests once the trucks have been inspected.
- All trucks leaving the RPL and the MSA were decontaminated before entering the haul road.
- Recon hand clears the storm sewer line in the western portion of phase 2.
- Recon identifies and exposes a small section of the electric line in in the western portion of phase 2.

PM

- Recon excavated 0-4' bgs non-hazardous material along the western edge of phase two.
- Recon continued to hand clear the storm sewer and electric lines in phase two.
- Scott Williams of NYSDEC onsite.
- 12 TSCA trucks were loaded for shipment today. All trucks were inspected and the tires were pressure washed before leaving the site.
- Recon sprayed water along the haul road and the TSCA accumulation pile several times during the day. Recon sprayed water inside the RPL haul road.
- Recon constructed the first four (4) lifts (total of 4-ft-thickness) of the Phase 1 area excavation.
- Atlantic Testing Laboratories (ATL) performed ten (10) in-place moisture-density tests in the compacted backfill and all tests met the minimum specified requirement of at least 95 percent degree of compaction (ASTM D698, standard compactive effort).
- AA, EL, HZ collect windrow samples in the MSA. Samples were labeled, placed on ice and shipped.
- MS conducts SWPPP inspection in the RPL and MSA. No deficiencies were noted.
- MS and Recon hold end of day meeting and discuss upcoming activities and planning for tomorrow.
- 0 TSCA trucks are planned for loadout tomorrow Saturday 7/14/18.
- Recon began covering piles around 1700 and securing the site.
- EL and HZ collect dust monitors and extract data.
- No vibration exceedances were recorded from yesterday 7/12/18.

Report No.: 36 Project File: MN0832D Date: 7/13/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Brian Kilkenny
- Addison Hofferth
- Brian Balog
- Scott Early
- Rich Tonnucour
- (Recon labor) X18

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- 8x40 Office Trailer
- Portable Toilets
- Hand Wash Stations
- ST-197 Dodge Ram Work Truck
- 8x20 Storage Box
- Trimble GPS System (Base, Rover, Data Collector)
- 8x20 Office Trailer
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 Containments
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Vibratory Hammer
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	DEC	Yes
Amanda Castignetti	Sterling	Yes
Tim Cleary	Atlantic	Yes
Seth Lovell	Hunt	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Substantial Completion Date: NA
Completion Date: NA

ITEMS OF CONCERN:

- A brief trigger level exceedance was recorded toward the end of the day in the MSA.

Report No.: 36 Project File: MN0832D Date: 7/13/2018

- One downwind monitor along the SE boundary of the RPL recorded threshold exceedances during the later part of the afternoon. The area is in near proximity to the RPL road entrance. Geosyntec will ask Recon to increase their water application in this area to mitigate dust.

Site Representative: M. Schallinger Date: 7/13/2018

Name: (*signature*) M. Schallinger

:

Photo Log

Date : 7/13/2018



Morning view of the RPL. View is facing SSE.



Recon pressure washing a backfill truck as it leaves the MSA.

Report No.: 36 Project File: MN0832D Date: 7/13/2018

	
Recon grading out the backfill with a bulldozer.	Covered TSCA accumulation pile at days end.

DAILY OBSERVATION REPORT

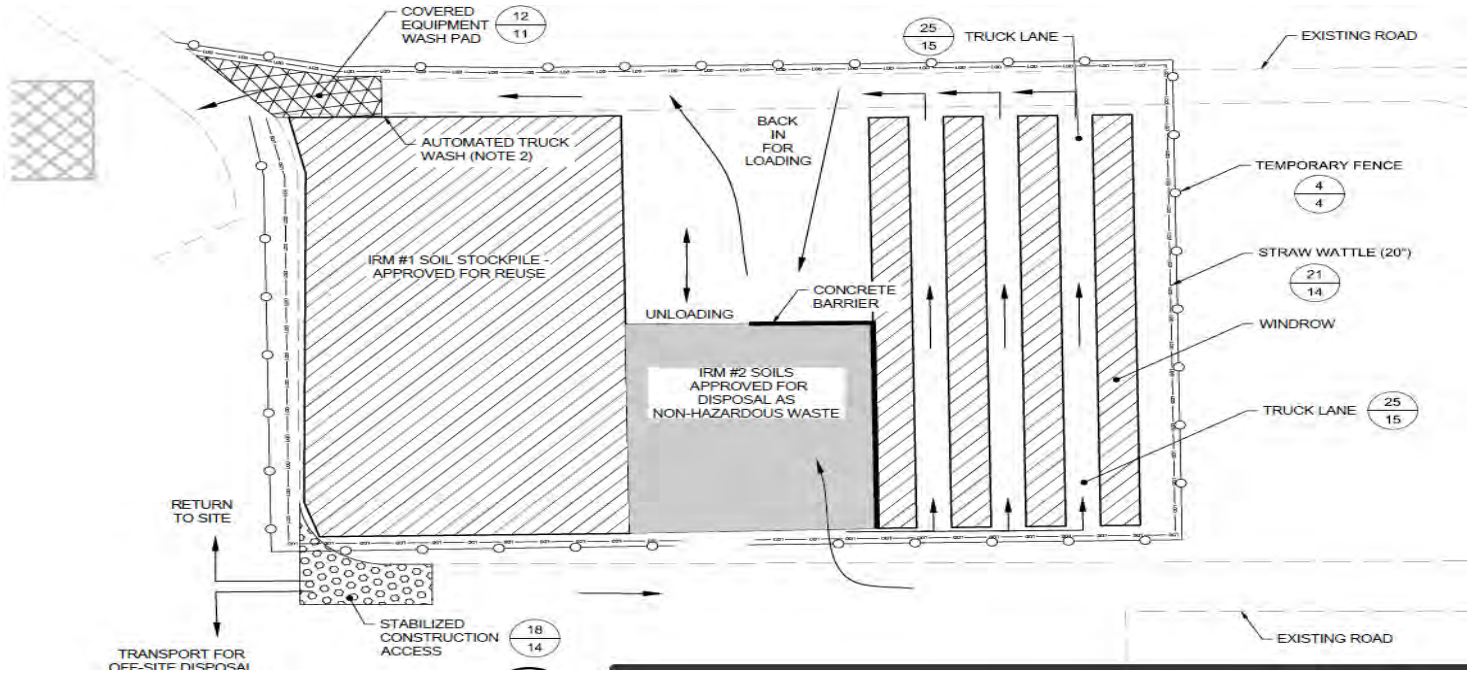
Report No.:	36	Project File:	MN0832D	Date:	7/13/2018

Site Map

Rear Parking Lot

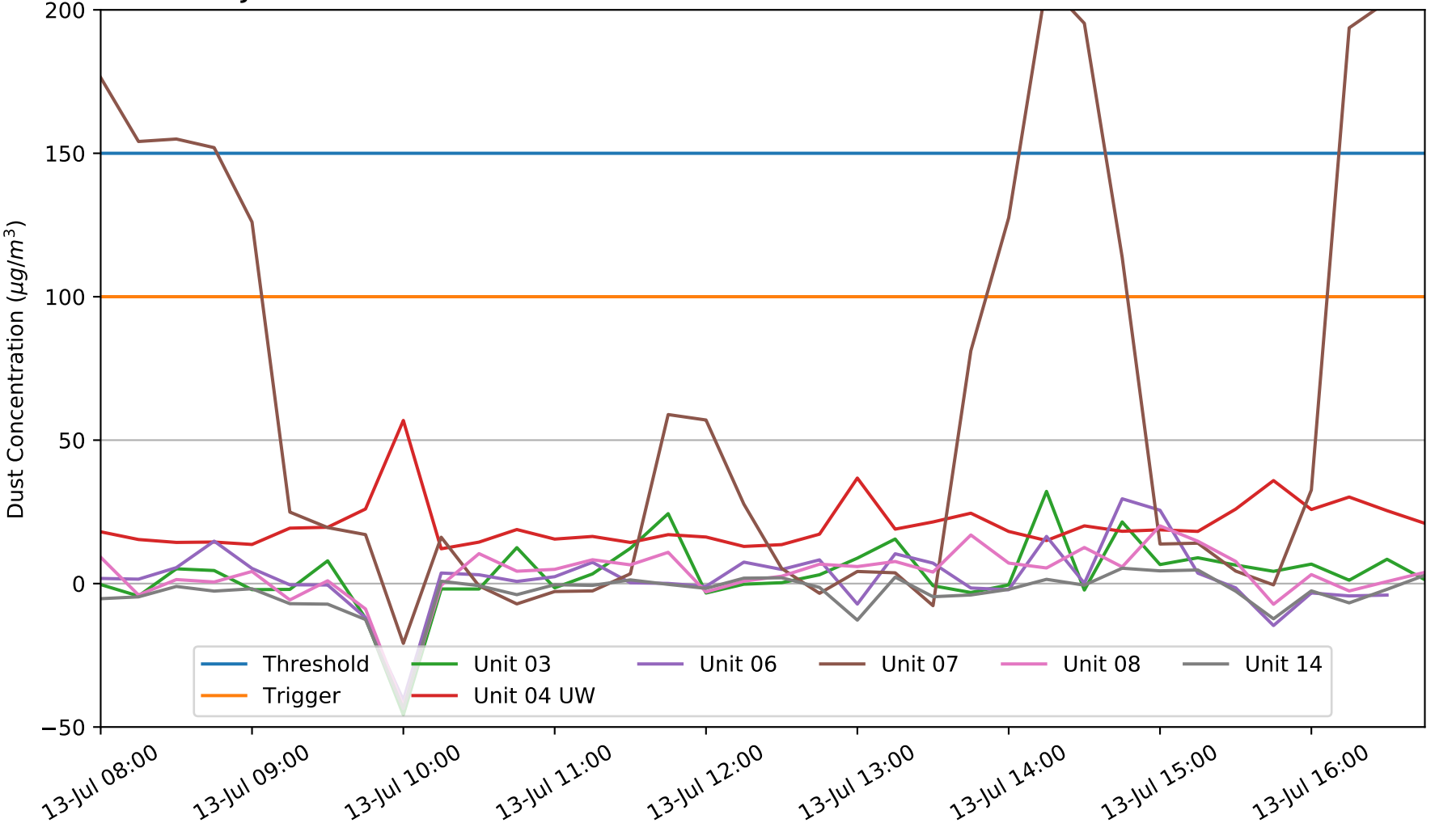


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 13-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 13-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 06	Unit 03	Unit 08	Unit 14	Unit 07	Unit 04 UW	Threshold	Trigger
2018-07-13 08:00:00	1.79	-0.34	9.19	-5.27	176.39	18.05	150	100
2018-07-13 08:15:00	1.54	-4.34	-3.99	-4.63	154.11	15.36	150	100
2018-07-13 08:30:00	5.56	5.15	1.4	-1	154.97	14.35	150	100
2018-07-13 08:45:00	14.79	4.55	0.55	-2.62	151.96	14.48	150	100
2018-07-13 09:00:00	5.28	-2.12	4.23	-1.81	126.04	13.64	150	100
2018-07-13 09:15:00	-0.43	-2.03	-5.7	-7.01	24.92	19.32	150	100
2018-07-13 09:30:00	-0.5	7.94	0.98	-7.17	19.52	19.63	150	100
2018-07-13 09:45:00	-11.89	-12.08	-8.85	-12.53	17.07	26	150	100
2018-07-13 10:00:00	-40.64	-45.74	-42.82	-43.61	-20.85	56.87	150	100
2018-07-13 10:15:00	3.68	-1.88	-0.62	0.82	16.17	12.13	150	100
2018-07-13 10:30:00	3.07	-1.9	10.44	-0.72	-0.8	14.45	150	100
2018-07-13 10:45:00	0.75	12.53	4.31	-3.87	-7.09	18.84	150	100
2018-07-13 11:00:00	2.4	-1.49	4.96	-0.4	-2.77	15.51	150	100
2018-07-13 11:15:00	7.42	3.37	8.31	-0.64	-2.56	16.43	150	100
2018-07-13 11:30:00	0.27	12.29	6.53	1.29	3.4	14.34	150	100
2018-07-13 11:45:00	0.05	24.38	10.9	-0.28	58.92	17.06	150	100
2018-07-13 12:00:00	-0.98	-3.29	-2.91	-1.67	57.02	16.23	150	100
2018-07-13 12:15:00	7.48	-0.22	0.84	1.89	27.7	12.95	150	100
2018-07-13 12:30:00	4.92	0.31	2.57	2.02	5.27	13.58	150	100
2018-07-13 12:45:00	8.27	3.07	6.76	-1.33	-3.4	17.23	150	100
2018-07-13 13:00:00	-7.14	8.86	5.93	-12.74	4.22	36.79	150	100
2018-07-13 13:15:00	10.39	15.54	7.7	2.25	3.75	18.98	150	100
2018-07-13 13:30:00	7.13	-0.75	4	-4.58	-7.71	21.49	150	100
2018-07-13 13:45:00	-1.54	-3.11	16.94	-3.97	81.15	24.53	150	100
2018-07-13 14:00:00	-2.14	-0.47	7.14	-2.03	127.52	18.17	150	100
2018-07-13 14:15:00	16.45	32.14	5.44	1.48	209.34	15.01	150	100
2018-07-13 14:30:00	0.1	-2.26	12.58	-0.55	195.3	20.12	150	100
2018-07-13 14:45:00	29.56	21.5	5.8	5.35	113.72	18.23	150	100
2018-07-13 15:00:00	25.58	6.63	20.13	4.43	13.79	18.74	150	100
2018-07-13 15:15:00	3.63	9	14.76	4.74	14.08	18.19	150	100
2018-07-13 15:30:00	-1.49	6.46	7.74	-2.65	4.36	25.96	150	100
2018-07-13 15:45:00	-14.63	4.27	-7.22	-12.27	-0.46	35.91	150	100
2018-07-13 16:00:00	-3.26	6.79	3.14	-2.54	32.63	25.82	150	100
2018-07-13 16:15:00	-4.3	1.17	-2.57	-6.73	193.72	30.17	150	100
2018-07-13 16:30:00	-4.01	8.48	0.71	-2.01	202.87	25.42	150	100
2018-07-13 16:45:00		1.35	3.92	2.89	205.03	21	150	100

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1, 19.84, 16.1, 55, 746, 01 , 08:10:03, 13-Jul-2018
2, 16.90, 17.5, 53, 746, 00 , 08:25:03, 13-Jul-2018
3, 19.91, 18.2, 52, 746, 00 , 08:40:03, 13-Jul-2018
4, 29.27, 19.0, 50, 746, 00 , 08:55:03, 13-Jul-2018
5, 18.92, 20.3, 48, 746, 00 , 09:10:03, 13-Jul-2018
6, 18.89, 22.2, 43, 746, 00 , 09:25:03, 13-Jul-2018
7, 19.13, 24.3, 38, 746, 00 , 09:40:03, 13-Jul-2018
8, 14.11, 26.1, 35, 746, 02 , 09:55:03, 13-Jul-2018
9, 16.23, 27.2, 34, 746, 02 , 10:10:03, 13-Jul-2018
10, 15.81, 28.2, 33, 746, 02 , 10:25:03, 13-Jul-2018
11, 17.52, 29.2, 31, 746, 02 , 10:40:03, 13-Jul-2018
12, 19.59, 30.1, 29, 746, 02 , 10:55:03, 13-Jul-2018
13, 17.91, 30.6, 28, 746, 02 , 11:10:03, 13-Jul-2018
14, 23.85, 31.3, 28, 746, 02 , 11:25:03, 13-Jul-2018
15, 14.61, 32.3, 27, 746, 02 , 11:40:03, 13-Jul-2018
16, 17.11, 33.4, 24, 746, 02 , 11:55:03, 13-Jul-2018
17, 15.25, 34.4, 24, 746, 02 , 12:10:03, 13-Jul-2018
18, 20.43, 35.3, 22, 746, 02 , 12:25:03, 13-Jul-2018
19, 18.50, 35.9, 20, 746, 02 , 12:40:03, 13-Jul-2018
20, 25.50, 35.8, 21, 746, 02 , 12:55:03, 13-Jul-2018
21, 29.65, 36.0, 21, 746, 02 , 13:10:03, 13-Jul-2018
22, 29.37, 36.5, 19, 746, 02 , 13:25:03, 13-Jul-2018
23, 28.62, 36.9, 19, 746, 02 , 13:40:03, 13-Jul-2018
24, 22.99, 36.3, 19, 746, 02 , 13:55:03, 13-Jul-2018
25, 16.03, 35.4, 20, 746, 02 , 14:10:03, 13-Jul-2018
26, 31.46, 35.2, 20, 746, 02 , 14:25:03, 13-Jul-2018
27, 20.22, 35.4, 20, 746, 02 , 14:40:03, 13-Jul-2018
28, 47.79, 35.4, 20, 744, 02 , 14:55:03, 13-Jul-2018
29, 44.32, 35.4, 20, 744, 02 , 15:10:03, 13-Jul-2018
30, 21.82, 34.8, 20, 744, 02 , 15:25:03, 13-Jul-2018
31, 24.47, 34.8, 20, 744, 02 , 15:40:03, 13-Jul-2018
32, 21.28, 34.8, 20, 744, 02 , 15:55:03, 13-Jul-2018
33, 22.56, 34.9, 20, 744, 02 , 16:10:03, 13-Jul-2018
34, 25.87, 35.2, 20, 744, 02 , 16:25:03, 13-Jul-2018
35, 21.41, 35.6, 20, 744, 02 , 16:40:03, 13-Jul-2018

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"Max STEL   ", 57.846785
"Max STEL @ ", 13:12:03 13-Jul-2018
"Avg point ", 23.743596
"ALARM   ", "INSTANT "
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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 17.71, 18.5, 64, 744, 01 , 08:10:03, 13-Jul-2018
2, 11.02, 18.2, 70, 744, 00 , 08:25:03, 13-Jul-2018
3, 19.50, 18.2, 71, 746, 00 , 08:40:03, 13-Jul-2018
4, 19.03, 18.3, 72, 744, 00 , 08:55:03, 13-Jul-2018
5, 11.52, 18.5, 74, 744, 00 , 09:10:03, 13-Jul-2018
6, 17.29, 18.9, 71, 744, 00 , 09:25:03, 13-Jul-2018
7, 27.57, 19.3, 69, 744, 00 , 09:40:03, 13-Jul-2018
8, 13.92, 19.9, 69, 744, 00 , 09:55:03, 13-Jul-2018
9, 11.13, 20.7, 69, 744, 00 , 10:10:03, 13-Jul-2018
10, 10.25, 21.8, 68, 744, 00 , 10:25:03, 13-Jul-2018
11, 12.55, 23.4, 64, 744, 00 , 10:40:03, 13-Jul-2018
12, 31.37, 25.4, 58, 744, 00 , 10:55:03, 13-Jul-2018
13, 14.02, 27.5, 54, 744, 00 , 11:10:03, 13-Jul-2018
14, 19.80, 29.5, 46, 744, 00 , 11:25:03, 13-Jul-2018
15, 26.63, 31.3, 43, 744, 00 , 11:40:03, 13-Jul-2018
16, 41.44, 32.9, 38, 744, 00 , 11:55:03, 13-Jul-2018
17, 12.94, 34.6, 37, 744, 00 , 12:10:03, 13-Jul-2018
18, 12.73, 36.6, 32, 744, 00 , 12:25:03, 13-Jul-2018
19, 13.89, 38.1, 29, 744, 00 , 12:40:03, 13-Jul-2018
20, 20.30, 39.2, 28, 744, 00 , 12:55:03, 13-Jul-2018
21, 45.65, 39.8, 25, 744, 00 , 13:10:03, 13-Jul-2018
22, 34.52, 39.5, 24, 744, 01 , 13:25:03, 13-Jul-2018
23, 20.74, 40.2, 24, 744, 00 , 13:40:03, 13-Jul-2018
24, 21.42, 41.5, 23, 744, 00 , 13:55:03, 13-Jul-2018
25, 17.70, 42.2, 22, 744, 00 , 14:10:03, 13-Jul-2018
26, 47.15, 43.4, 20, 744, 00 , 14:25:03, 13-Jul-2018
27, 17.86, 44.0, 19, 744, 00 , 14:40:03, 13-Jul-2018
28, 39.73, 44.2, 19, 744, 01 , 14:55:03, 13-Jul-2018
29, 25.37, 44.7, 18, 742, 00 , 15:10:03, 13-Jul-2018
30, 27.19, 44.2, 18, 742, 00 , 15:25:03, 13-Jul-2018
31, 32.42, 44.1, 18, 742, 00 , 15:40:03, 13-Jul-2018
32, 40.18, 44.1, 18, 742, 00 , 15:55:03, 13-Jul-2018
33, 32.61, 42.9, 19, 742, 00 , 16:10:03, 13-Jul-2018
34, 31.34, 43.6, 18, 742, 00 , 16:25:03, 13-Jul-2018
35, 33.90, 43.6, 19, 742, 00 , 16:40:03, 13-Jul-2018
36, 22.35, 42.3, 20, 742, 00 , 16:55:03, 13-Jul-2018

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2, 11.37, 18.0, 66, 744, 00 , 08:25:03, 13-Jul-2018
3, 15.75, 17.9, 68, 744, 00 , 08:40:03, 13-Jul-2018
4, 15.03, 18.1, 69, 744, 00 , 08:55:03, 13-Jul-2018
5, 17.87, 18.4, 69, 744, 00 , 09:10:03, 13-Jul-2018
6, 13.62, 19.0, 67, 744, 00 , 09:25:03, 13-Jul-2018
7, 20.61, 19.8, 64, 744, 00 , 09:40:03, 13-Jul-2018
8, 17.15, 20.7, 61, 744, 00 , 09:55:03, 13-Jul-2018
9, 14.05, 21.7, 59, 744, 00 , 10:10:03, 13-Jul-2018
10, 11.51, 22.7, 56, 744, 00 , 10:25:03, 13-Jul-2018
11, 24.89, 23.9, 53, 744, 00 , 10:40:03, 13-Jul-2018
12, 23.15, 25.0, 51, 744, 00 , 10:55:03, 13-Jul-2018
13, 20.47, 26.1, 48, 744, 00 , 11:10:03, 13-Jul-2018
14, 24.74, 27.3, 45, 742, 00 , 11:25:03, 13-Jul-2018
15, 20.87, 28.5, 42, 742, 00 , 11:40:03, 13-Jul-2018
16, 27.96, 29.7, 39, 742, 00 , 11:55:03, 13-Jul-2018
17, 13.32, 30.7, 36, 742, 00 , 12:10:03, 13-Jul-2018
18, 13.79, 31.7, 33, 742, 00 , 12:25:03, 13-Jul-2018
19, 16.15, 32.7, 31, 742, 00 , 12:40:03, 13-Jul-2018
20, 23.99, 33.5, 30, 742, 00 , 12:55:03, 13-Jul-2018
21, 42.72, 34.5, 29, 742, 00 , 13:10:03, 13-Jul-2018
22, 26.68, 35.1, 27, 742, 00 , 13:25:03, 13-Jul-2018
23, 25.49, 36.4, 24, 742, 00 , 13:40:03, 13-Jul-2018
24, 41.47, 39.4, 21, 742, 00 , 13:55:03, 13-Jul-2018
25, 25.31, 42.6, 17, 742, 00 , 14:10:03, 13-Jul-2018
26, 20.45, 46.1, 13, 742, 00 , 14:25:03, 13-Jul-2018
27, 32.70, 48.0, 12, 742, 00 , 14:40:03, 13-Jul-2018
28, 24.03, 49.2, 11, 742, 00 , 14:55:03, 13-Jul-2018
29, 38.87, 50.1, 10, 742, 00 , 15:10:03, 13-Jul-2018
30, 32.95, 50.5, 9, 740, 00 , 15:25:03, 13-Jul-2018
31, 33.70, 49.9, 10, 740, 00 , 15:40:03, 13-Jul-2018
32, 28.69, 49.5, 10, 740, 00 , 15:55:03, 13-Jul-2018
33, 28.96, 47.3, 12, 740, 00 , 16:10:03, 13-Jul-2018
34, 27.60, 47.4, 12, 740, 00 , 16:25:03, 13-Jul-2018
35, 26.13, 46.5, 13, 740, 00 , 16:40:03, 13-Jul-2018
36, 24.92, 44.7, 14, 740, 00 , 16:55:03, 13-Jul-2018

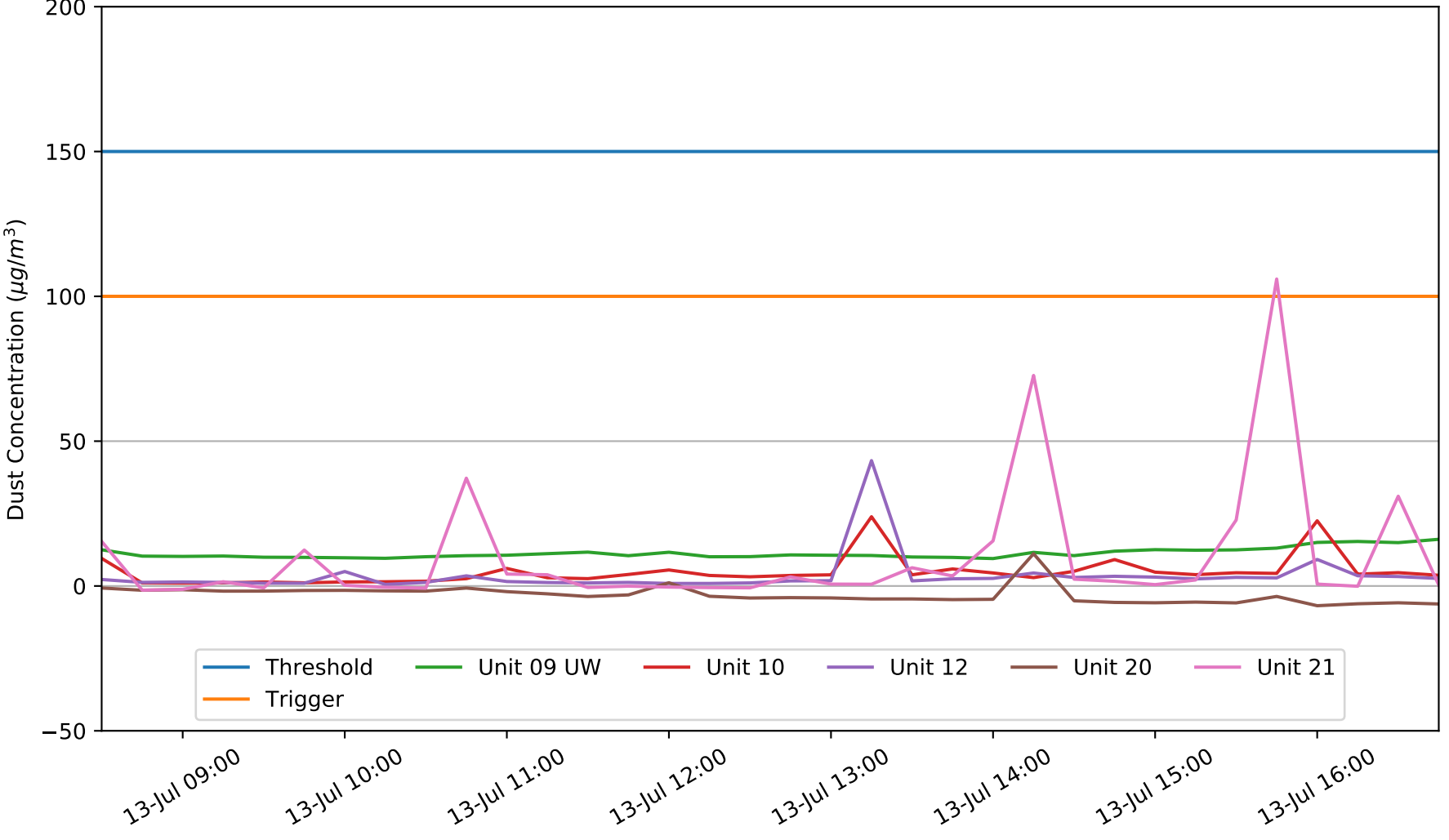
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2, 10.73, 19.3, 63, 746, 00 , 08:25:03, 13-Jul-2018
3, 13.35, 19.4, 64, 746, 00 , 08:40:03, 13-Jul-2018
4, 11.86, 19.7, 65, 746, 00 , 08:55:03, 13-Jul-2018
5, 11.83, 20.7, 63, 744, 00 , 09:10:03, 13-Jul-2018
6, 12.31, 22.0, 60, 744, 00 , 09:25:03, 13-Jul-2018
7, 12.46, 23.4, 55, 744, 00 , 09:40:03, 13-Jul-2018
8, 13.47, 24.9, 51, 744, 00 , 09:55:03, 13-Jul-2018
9, 13.26, 26.1, 48, 744, 00 , 10:10:03, 13-Jul-2018
10, 12.95, 27.1, 46, 744, 00 , 10:25:03, 13-Jul-2018
11, 13.73, 28.4, 44, 744, 00 , 10:40:03, 13-Jul-2018
12, 14.97, 29.4, 41, 744, 00 , 10:55:03, 13-Jul-2018
13, 15.11, 30.4, 39, 744, 00 , 11:10:03, 13-Jul-2018
14, 15.79, 31.3, 37, 744, 00 , 11:25:03, 13-Jul-2018
15, 15.63, 32.0, 36, 744, 00 , 11:40:03, 13-Jul-2018
16, 16.78, 33.2, 33, 744, 00 , 11:55:03, 13-Jul-2018
17, 14.56, 34.2, 31, 744, 00 , 12:10:03, 13-Jul-2018
18, 14.84, 35.6, 27, 744, 00 , 12:25:03, 13-Jul-2018
19, 15.60, 35.7, 27, 744, 00 , 12:40:03, 13-Jul-2018
20, 15.90, 35.5, 28, 744, 00 , 12:55:03, 13-Jul-2018
21, 24.05, 35.5, 28, 742, 00 , 13:10:03, 13-Jul-2018
22, 21.23, 35.9, 26, 742, 00 , 13:25:03, 13-Jul-2018
23, 16.91, 37.0, 24, 742, 00 , 13:40:03, 13-Jul-2018
24, 20.56, 36.6, 24, 742, 00 , 13:55:03, 13-Jul-2018
25, 16.14, 36.4, 24, 742, 00 , 14:10:03, 13-Jul-2018
26, 16.49, 36.7, 24, 742, 00 , 14:25:03, 13-Jul-2018
27, 19.57, 37.0, 24, 742, 00 , 14:40:03, 13-Jul-2018
28, 23.58, 37.3, 23, 742, 00 , 14:55:03, 13-Jul-2018
29, 23.17, 37.4, 23, 742, 00 , 15:10:03, 13-Jul-2018
30, 22.93, 36.1, 25, 742, 00 , 15:25:03, 13-Jul-2018
31, 23.31, 34.5, 27, 742, 00 , 15:40:03, 13-Jul-2018
32, 23.64, 34.1, 28, 742, 00 , 15:55:03, 13-Jul-2018
33, 23.28, 35.0, 27, 742, 00 , 16:10:03, 13-Jul-2018
34, 23.44, 35.6, 26, 742, 00 , 16:25:03, 13-Jul-2018
35, 23.41, 35.8, 26, 742, 00 , 16:40:03, 13-Jul-2018
36, 23.89, 35.6, 26, 742, 00 , 16:55:03, 13-Jul-2018

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"Max STEL @ ", 16:29:03 13-Jul-2018
"Avg point ", 85.840769
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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
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2, 169.47, 18.6, 66, 746, 18 , 08:25:03, 13-Jul-2018
3, 169.32, 18.8, 67, 746, 18 , 08:40:03, 13-Jul-2018
4, 166.44, 19.0, 68, 746, 18 , 08:55:03, 13-Jul-2018
5, 139.68, 19.4, 68, 746, 18 , 09:10:03, 13-Jul-2018
6, 44.24, 19.8, 67, 746, 08 , 09:25:03, 13-Jul-2018
7, 39.15, 20.3, 65, 746, 00 , 09:40:03, 13-Jul-2018
8, 43.07, 20.9, 64, 746, 00 , 09:55:03, 13-Jul-2018
9, 36.02, 21.7, 63, 746, 00 , 10:10:03, 13-Jul-2018
10, 28.30, 22.5, 61, 746, 00 , 10:25:03, 13-Jul-2018
11, 13.65, 23.5, 60, 746, 00 , 10:40:03, 13-Jul-2018
12, 11.75, 24.4, 57, 746, 00 , 10:55:03, 13-Jul-2018
13, 12.74, 25.5, 54, 746, 00 , 11:10:03, 13-Jul-2018
14, 13.87, 26.5, 50, 744, 00 , 11:25:03, 13-Jul-2018
15, 17.74, 27.3, 49, 744, 00 , 11:40:03, 13-Jul-2018
16, 75.98, 28.1, 46, 744, 18 , 11:55:03, 13-Jul-2018
17, 73.25, 28.9, 43, 744, 18 , 12:10:03, 13-Jul-2018
18, 40.65, 29.6, 40, 744, 18 , 12:25:03, 13-Jul-2018
19, 18.85, 30.2, 38, 744, 18 , 12:40:03, 13-Jul-2018
20, 13.83, 30.7, 38, 744, 00 , 12:55:03, 13-Jul-2018
21, 41.01, 31.1, 37, 744, 00 , 13:10:03, 13-Jul-2018
22, 22.73, 31.5, 35, 744, 00 , 13:25:03, 13-Jul-2018
23, 13.78, 31.9, 33, 744, 00 , 13:40:03, 13-Jul-2018
24, 105.68, 32.5, 33, 744, 1A , 13:55:03, 13-Jul-2018
25, 145.69, 33.1, 31, 744, 18 , 14:10:03, 13-Jul-2018
26, 224.35, 33.8, 30, 744, 18 , 14:25:03, 13-Jul-2018
27, 215.42, 34.5, 29, 744, 18 , 14:40:03, 13-Jul-2018
28, 131.95, 34.8, 29, 744, 18 , 14:55:03, 13-Jul-2018
29, 32.53, 35.2, 27, 744, 08 , 15:10:03, 13-Jul-2018
30, 32.27, 35.2, 28, 744, 00 , 15:25:03, 13-Jul-2018
31, 30.32, 35.5, 27, 744, 00 , 15:40:03, 13-Jul-2018
32, 35.45, 35.8, 26, 744, 00 , 15:55:03, 13-Jul-2018
33, 58.45, 36.1, 25, 744, 0A , 16:10:03, 13-Jul-2018
34, 223.89, 37.0, 25, 744, 18 , 16:25:03, 13-Jul-2018
35, 228.29, 38.0, 23, 744, 1A , 16:40:03, 13-Jul-2018
36, 226.03, 38.1, 23, 744, 18 , 16:55:03, 13-Jul-2018

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"Max STEL @ ", 10:08:03 13-Jul-2018
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"ALARM   ", "INSTANT "
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"Site Name   ", "Factory default"
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1, 18.05, 19.5, 61, 746, 01 , 08:10:03, 13-Jul-2018
2, 15.36, 20.5, 61, 746, 01 , 08:25:03, 13-Jul-2018
3, 14.35, 21.8, 58, 746, 01 , 08:40:03, 13-Jul-2018
4, 14.48, 22.7, 56, 746, 01 , 08:55:03, 13-Jul-2018
5, 13.64, 24.1, 53, 746, 01 , 09:10:03, 13-Jul-2018
6, 19.32, 26.4, 47, 746, 01 , 09:25:03, 13-Jul-2018
7, 19.63, 28.8, 40, 746, 01 , 09:40:03, 13-Jul-2018
8, 26.00, 30.8, 36, 746, 01 , 09:55:03, 13-Jul-2018
9, 56.87, 32.0, 35, 746, 01 , 10:10:03, 13-Jul-2018
10, 12.13, 32.9, 34, 746, 01 , 10:25:03, 13-Jul-2018
11, 14.45, 33.7, 33, 746, 01 , 10:40:03, 13-Jul-2018
12, 18.84, 34.3, 32, 746, 01 , 10:55:03, 13-Jul-2018
13, 15.51, 35.2, 31, 746, 01 , 11:10:03, 13-Jul-2018
14, 16.43, 36.0, 30, 746, 01 , 11:25:03, 13-Jul-2018
15, 14.34, 36.7, 29, 746, 01 , 11:40:03, 13-Jul-2018
16, 17.06, 37.0, 27, 746, 01 , 11:55:03, 13-Jul-2018
17, 16.23, 37.9, 27, 746, 01 , 12:10:03, 13-Jul-2018
18, 12.95, 38.4, 25, 746, 01 , 12:25:03, 13-Jul-2018
19, 13.58, 38.6, 24, 746, 01 , 12:40:03, 13-Jul-2018
20, 17.23, 38.7, 25, 746, 01 , 12:55:03, 13-Jul-2018
21, 36.79, 38.7, 24, 746, 01 , 13:10:03, 13-Jul-2018
22, 18.98, 38.7, 24, 746, 01 , 13:25:03, 13-Jul-2018
23, 21.49, 39.1, 23, 746, 01 , 13:40:03, 13-Jul-2018
24, 24.53, 39.2, 23, 746, 01 , 13:55:03, 13-Jul-2018
25, 18.17, 38.9, 23, 746, 01 , 14:10:03, 13-Jul-2018
26, 15.01, 39.1, 22, 746, 01 , 14:25:03, 13-Jul-2018
27, 20.12, 39.0, 23, 746, 01 , 14:40:03, 13-Jul-2018
28, 18.23, 38.5, 23, 744, 01 , 14:55:03, 13-Jul-2018
29, 18.74, 38.5, 23, 744, 01 , 15:10:03, 13-Jul-2018
30, 18.19, 38.3, 23, 744, 01 , 15:25:03, 13-Jul-2018
31, 25.96, 38.6, 23, 744, 01 , 15:40:03, 13-Jul-2018
32, 35.91, 38.5, 22, 744, 01 , 15:55:03, 13-Jul-2018
33, 25.82, 38.4, 23, 744, 01 , 16:10:03, 13-Jul-2018
34, 30.17, 39.1, 22, 744, 01 , 16:25:03, 13-Jul-2018
35, 25.42, 39.5, 21, 744, 01 , 16:40:03, 13-Jul-2018
36, 21.00, 38.9, 22, 744, 01 , 16:55:03, 13-Jul-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 13-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 13-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 09 UW	Unit 10	Unit 21	Unit 12	Unit 20	Threshold	Trigger
2018-07-13 08:30:00	12.5	9.52	15.38	2.24	-0.7	150	100
2018-07-13 08:45:00	10.31	1.05	-1.43	1.25	-1.47	150	100
2018-07-13 09:00:00	10.21	0.99	-1.16	1.39	-1.29	150	100
2018-07-13 09:15:00	10.34	1.07	1.47	1.24	-1.78	150	100
2018-07-13 09:30:00	9.93	1.39	-0.66	0.97	-1.77	150	100
2018-07-13 09:45:00	9.88	1.1	12.42	0.95	-1.56	150	100
2018-07-13 10:00:00	9.74	1.4	0.23	5	-1.51	150	100
2018-07-13 10:15:00	9.56	1.46	-0.45	0.54	-1.69	150	100
2018-07-13 10:30:00	10.1	1.65	-0.75	1.24	-1.77	150	100
2018-07-13 10:45:00	10.47	2.53	37.22	3.5	-0.71	150	100
2018-07-13 11:00:00	10.62	6.06	4.12	1.54	-1.95	150	100
2018-07-13 11:15:00	11.16	2.85	3.88	1.2	-2.71	150	100
2018-07-13 11:30:00	11.69	2.53	-0.51	1.06	-3.63	150	100
2018-07-13 11:45:00	10.46	3.98	-0.04	1.23	-3.08	150	100
2018-07-13 12:00:00	11.65	5.53	-0.38	0.88	1.11	150	100
2018-07-13 12:15:00	10.09	3.64	-0.55	0.88	-3.55	150	100
2018-07-13 12:30:00	10.13	3.17	-0.64	1.06	-4.15	150	100
2018-07-13 12:45:00	10.73	3.64	3.13	1.75	-4.02	150	100
2018-07-13 13:00:00	10.61	3.85	0.65	1.82	-4.12	150	100
2018-07-13 13:15:00	10.53	23.91	0.6	43.28	-4.48	150	100
2018-07-13 13:30:00	10.01	3.86	6.3	1.76	-4.47	150	100
2018-07-13 13:45:00	9.87	5.88	3.46	2.48	-4.7	150	100
2018-07-13 14:00:00	9.47	4.5	15.58	2.62	-4.6	150	100
2018-07-13 14:15:00	11.61	2.89	72.69	4.48	11.14	150	100
2018-07-13 14:30:00	10.48	5.08	2.35	2.93	-5.12	150	100
2018-07-13 14:45:00	12.02	9.12	1.62	3.35	-5.67	150	100
2018-07-13 15:00:00	12.54	4.77	0.47	3.06	-5.8	150	100
2018-07-13 15:15:00	12.35	3.91	2.08	2.44	-5.56	150	100
2018-07-13 15:30:00	12.47	4.57	22.77	2.98	-5.84	150	100
2018-07-13 15:45:00	13.07	4.34	105.98	2.79	-3.61	150	100
2018-07-13 16:00:00	15.04	22.51	0.65	9.17	-6.81	150	100
2018-07-13 16:15:00	15.37	4.09	-0.09	3.53	-6.14	150	100
2018-07-13 16:30:00	14.97	4.6	30.99	3.26	-5.8	150	100
2018-07-13 16:45:00	16.12	3.7	0.33	2.6	-6.21	150	100

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"Max STEL   ", 16.149175
"Max STEL @ ", 16:49:43 13-Jul-2018
"Avg point ", 11.354899
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"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
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    2,   10.31, 20.8,   55,   744, 00 , 08:50:03, 13-Jul-2018
    3,   10.21, 21.6,   55,   744, 00 , 09:05:03, 13-Jul-2018
    4,   10.34, 22.6,   54,   744, 00 , 09:20:03, 13-Jul-2018
    5,   9.93, 23.8,   51,   744, 00 , 09:35:03, 13-Jul-2018
    6,   9.88, 24.9,   49,   744, 00 , 09:50:03, 13-Jul-2018
    7,   9.74, 26.1,   46,   744, 00 , 10:05:03, 13-Jul-2018
    8,   9.56, 27.2,   47,   744, 00 , 10:20:03, 13-Jul-2018
    9,   10.10, 28.4,   47,   744, 00 , 10:35:03, 13-Jul-2018
   10,   10.47, 29.5,   43,   744, 00 , 10:50:03, 13-Jul-2018
   11,   10.62, 31.0,   40,   744, 00 , 11:05:03, 13-Jul-2018
   12,   11.16, 32.0,   38,   744, 00 , 11:20:03, 13-Jul-2018
   13,   11.69, 32.7,   36,   744, 00 , 11:35:03, 13-Jul-2018
   14,   10.46, 33.8,   36,   744, 00 , 11:50:03, 13-Jul-2018
   15,   11.65, 34.3,   35,   744, 00 , 12:05:03, 13-Jul-2018
   16,   10.09, 34.8,   33,   744, 00 , 12:20:03, 13-Jul-2018
   17,   10.13, 35.5,   33,   744, 00 , 12:35:03, 13-Jul-2018
   18,   10.73, 36.1,   32,   744, 00 , 12:50:03, 13-Jul-2018
   19,   10.61, 36.7,   32,   742, 00 , 13:05:03, 13-Jul-2018
   20,   10.53, 37.8,   30,   744, 00 , 13:20:03, 13-Jul-2018
   21,   10.01, 38.6,   28,   742, 00 , 13:35:03, 13-Jul-2018
   22,   9.87, 39.0,   28,   742, 00 , 13:50:03, 13-Jul-2018
   23,   9.47, 39.3,   27,   742, 00 , 14:05:03, 13-Jul-2018
   24,   11.61, 38.8,   27,   742, 00 , 14:20:03, 13-Jul-2018
   25,   10.48, 38.5,   28,   742, 00 , 14:35:03, 13-Jul-2018
   26,   12.02, 38.8,   28,   742, 00 , 14:50:03, 13-Jul-2018
   27,   12.54, 39.7,   27,   742, 00 , 15:05:03, 13-Jul-2018
   28,   12.35, 40.2,   27,   742, 00 , 15:20:03, 13-Jul-2018
   29,   12.47, 40.5,   26,   742, 00 , 15:35:03, 13-Jul-2018
   30,   13.07, 41.0,   24,   742, 00 , 15:50:03, 13-Jul-2018
   31,   15.04, 40.7,   25,   742, 00 , 16:05:03, 13-Jul-2018
   32,   15.37, 41.0,   23,   742, 00 , 16:20:03, 13-Jul-2018
   33,   14.97, 41.5,   16,   742, 00 , 16:35:03, 13-Jul-2018
   34,   16.12, 41.0,   22,   742, 00 , 16:50:03, 13-Jul-2018

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"Max STEL ", 37.552617
"Max STEL @ ", 16:05:03 13-Jul-2018
"Avg point ", 16.212728
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"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
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1, 22.02, 19.3, 58, 744, 01 , 08:35:03, 13-Jul-2018
2, 11.36, 20.6, 56, 744, 00 , 08:50:03, 13-Jul-2018
3, 11.20, 22.4, 52, 744, 00 , 09:05:03, 13-Jul-2018
4, 11.41, 24.7, 47, 744, 00 , 09:20:03, 13-Jul-2018
5, 11.32, 27.3, 40, 744, 00 , 09:35:03, 13-Jul-2018
6, 10.98, 29.3, 36, 744, 00 , 09:50:03, 13-Jul-2018
7, 11.14, 30.2, 34, 744, 00 , 10:05:03, 13-Jul-2018
8, 11.02, 30.6, 34, 744, 00 , 10:20:03, 13-Jul-2018
9, 11.75, 31.4, 33, 744, 00 , 10:35:03, 13-Jul-2018
10, 13.00, 32.4, 33, 744, 00 , 10:50:03, 13-Jul-2018
11, 16.68, 33.9, 30, 744, 00 , 11:05:03, 13-Jul-2018
12, 14.01, 34.4, 28, 744, 00 , 11:20:03, 13-Jul-2018
13, 14.22, 34.6, 28, 744, 00 , 11:35:03, 13-Jul-2018
14, 14.44, 35.2, 27, 744, 00 , 11:50:03, 13-Jul-2018
15, 17.18, 36.0, 26, 744, 00 , 12:05:03, 13-Jul-2018
16, 13.73, 36.6, 25, 744, 00 , 12:20:03, 13-Jul-2018
17, 13.30, 36.7, 24, 742, 00 , 12:35:03, 13-Jul-2018
18, 14.37, 36.2, 25, 742, 00 , 12:50:03, 13-Jul-2018
19, 14.46, 36.2, 25, 742, 00 , 13:05:03, 13-Jul-2018
20, 34.44, 35.8, 25, 742, 00 , 13:20:03, 13-Jul-2018
21, 13.87, 36.0, 24, 742, 00 , 13:35:03, 13-Jul-2018
22, 15.75, 35.9, 24, 742, 00 , 13:50:03, 13-Jul-2018
23, 13.97, 35.4, 24, 742, 00 , 14:05:03, 13-Jul-2018
24, 14.50, 35.2, 24, 742, 00 , 14:20:03, 13-Jul-2018
25, 15.56, 35.3, 25, 742, 00 , 14:35:03, 13-Jul-2018
26, 21.14, 35.9, 24, 742, 00 , 14:50:03, 13-Jul-2018
27, 17.31, 36.3, 24, 742, 00 , 15:05:03, 13-Jul-2018
28, 16.26, 36.4, 24, 742, 00 , 15:20:03, 13-Jul-2018
29, 17.04, 37.0, 23, 742, 00 , 15:35:03, 13-Jul-2018
30, 17.41, 36.8, 22, 742, 00 , 15:50:03, 13-Jul-2018
31, 37.55, 36.6, 24, 742, 00 , 16:05:03, 13-Jul-2018
32, 19.46, 37.0, 23, 742, 00 , 16:20:03, 13-Jul-2018
33, 19.57, 37.3, 23, 742, 00 , 16:35:03, 13-Jul-2018
34, 19.82, 37.2, 22, 742, 00 , 16:50:03, 13-Jul-2018

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 15:45:42 13-Jul-2018
"Max STEL ", 120.808673
"Max STEL @ ", 15:57:03 13-Jul-2018
"Avg point ", 21.288636
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 27.88, 17.9, 57, 746, 00 , 08:35:03, 13-Jul-2018
2, 8.88, 18.7, 58, 746, 00 , 08:50:03, 13-Jul-2018
3, 9.05, 19.9, 55, 746, 00 , 09:05:03, 13-Jul-2018
4, 11.81, 21.0, 53, 746, 00 , 09:20:03, 13-Jul-2018
5, 9.27, 21.5, 51, 746, 00 , 09:35:03, 13-Jul-2018
6, 22.30, 22.6, 48, 746, 00 , 09:50:03, 13-Jul-2018
7, 9.97, 23.6, 46, 746, 00 , 10:05:03, 13-Jul-2018
8, 9.11, 24.4, 45, 746, 00 , 10:20:03, 13-Jul-2018
9, 9.35, 25.5, 44, 746, 00 , 10:35:03, 13-Jul-2018
10, 47.69, 26.7, 41, 746, 00 , 10:50:03, 13-Jul-2018
11, 14.74, 27.4, 42, 744, 00 , 11:05:03, 13-Jul-2018
12, 15.04, 28.5, 38, 744, 00 , 11:20:03, 13-Jul-2018
13, 11.18, 29.9, 35, 744, 00 , 11:35:03, 13-Jul-2018
14, 10.42, 31.3, 32, 744, 00 , 11:50:03, 13-Jul-2018
15, 11.27, 32.8, 28, 744, 00 , 12:05:03, 13-Jul-2018
16, 9.54, 34.2, 26, 744, 00 , 12:20:03, 13-Jul-2018
17, 9.49, 35.5, 22, 744, 00 , 12:35:03, 13-Jul-2018
18, 13.86, 36.1, 21, 744, 00 , 12:50:03, 13-Jul-2018
19, 11.26, 36.7, 21, 744, 00 , 13:05:03, 13-Jul-2018
20, 11.13, 36.7, 19, 744, 00 , 13:20:03, 13-Jul-2018
21, 16.31, 36.7, 19, 744, 00 , 13:35:03, 13-Jul-2018
22, 13.33, 38.0, 18, 744, 00 , 13:50:03, 13-Jul-2018
23, 25.05, 38.6, 16, 744, 00 , 14:05:03, 13-Jul-2018
24, 84.30, 39.3, 16, 744, 00 , 14:20:03, 13-Jul-2018
25, 12.83, 38.9, 17, 744, 00 , 14:35:03, 13-Jul-2018
26, 13.64, 38.0, 18, 744, 00 , 14:50:03, 13-Jul-2018
27, 13.01, 38.8, 17, 744, 00 , 15:05:03, 13-Jul-2018
28, 14.43, 39.1, 16, 744, 00 , 15:20:03, 13-Jul-2018
29, 35.24, 38.9, 16, 742, 00 , 15:35:03, 13-Jul-2018
30, 119.05, 40.0, 14, 742, 00 , 15:50:03, 13-Jul-2018
31, 15.69, 38.0, 18, 742, 00 , 16:05:03, 13-Jul-2018
32, 15.28, 37.3, 19, 742, 00 , 16:20:03, 13-Jul-2018
33, 45.96, 37.5, 19, 742, 00 , 16:35:03, 13-Jul-2018
34, 16.45, 36.1, 19, 742, 00 , 16:50:03, 13-Jul-2018

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 13:06:50 13-Jul-2018
"Max STEL   ", 53.953075
"Max STEL @ ", 13:11:13 13-Jul-2018
"Avg point ", 14.899450
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 14.74, 15.8, 64, 746, 00 , 08:35:03, 13-Jul-2018
2, 11.56, 17.9, 61, 746, 00 , 08:50:03, 13-Jul-2018
3, 11.60, 19.9, 56, 746, 00 , 09:05:03, 13-Jul-2018
4, 11.58, 22.6, 50, 746, 00 , 09:20:03, 13-Jul-2018
5, 10.90, 25.5, 43, 746, 00 , 09:35:03, 13-Jul-2018
6, 10.83, 27.7, 38, 746, 00 , 09:50:03, 13-Jul-2018
7, 14.74, 28.6, 36, 746, 00 , 10:05:03, 13-Jul-2018
8, 10.10, 29.1, 37, 746, 00 , 10:20:03, 13-Jul-2018
9, 11.34, 30.5, 35, 746, 00 , 10:35:03, 13-Jul-2018
10, 13.97, 31.3, 36, 746, 00 , 10:50:03, 13-Jul-2018
11, 12.16, 32.5, 32, 746, 00 , 11:05:03, 13-Jul-2018
12, 12.36, 32.9, 31, 746, 00 , 11:20:03, 13-Jul-2018
13, 12.75, 33.3, 31, 746, 00 , 11:35:03, 13-Jul-2018
14, 11.69, 34.3, 30, 746, 00 , 11:50:03, 13-Jul-2018
15, 12.53, 35.1, 28, 746, 00 , 12:05:03, 13-Jul-2018
16, 10.97, 35.9, 27, 746, 00 , 12:20:03, 13-Jul-2018
17, 11.19, 36.0, 26, 746, 00 , 12:35:03, 13-Jul-2018
18, 12.48, 35.2, 27, 746, 01 , 12:50:03, 13-Jul-2018
19, 12.43, 35.2, 27, 744, 00 , 13:05:03, 13-Jul-2018
20, 53.81, 34.7, 27, 744, 00 , 13:20:03, 13-Jul-2018
21, 11.77, 34.8, 26, 744, 00 , 13:35:03, 13-Jul-2018
22, 12.35, 34.2, 27, 744, 00 , 13:50:03, 13-Jul-2018
23, 12.09, 33.5, 28, 744, 00 , 14:05:03, 13-Jul-2018
24, 16.09, 33.1, 28, 744, 00 , 14:20:03, 13-Jul-2018
25, 13.41, 33.2, 30, 744, 00 , 14:35:03, 13-Jul-2018
26, 15.37, 34.1, 28, 744, 00 , 14:50:03, 13-Jul-2018
27, 15.60, 34.5, 27, 744, 00 , 15:05:03, 13-Jul-2018
28, 14.79, 34.7, 27, 744, 00 , 15:20:03, 13-Jul-2018
29, 15.45, 35.4, 26, 744, 00 , 15:35:03, 13-Jul-2018
30, 15.86, 35.1, 25, 744, 00 , 15:50:03, 13-Jul-2018
31, 24.21, 34.5, 28, 744, 00 , 16:05:03, 13-Jul-2018
32, 18.90, 34.9, 27, 744, 00 , 16:20:03, 13-Jul-2018
33, 18.23, 35.3, 26, 744, 00 , 16:35:03, 13-Jul-2018
34, 18.72, 35.3, 26, 744, 00 , 16:50:03, 13-Jul-2018

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"Max Disp @ ", 14:09:19 13-Jul-2018
"Max STEL   ", 23.093228
"Max STEL @ ", 14:12:33 13-Jul-2018
"Avg point ", 8.296985
"ALARM   ", "INSTANT "
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"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
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1, 11.80, 17.2, 56, 746, 01 , 08:35:03, 13-Jul-2018
2, 8.84, 17.1, 60, 746, 00 , 08:50:03, 13-Jul-2018
3, 8.92, 17.2, 62, 746, 00 , 09:05:03, 13-Jul-2018
4, 8.56, 17.3, 62, 746, 00 , 09:20:03, 13-Jul-2018
5, 8.16, 17.6, 62, 746, 00 , 09:35:03, 13-Jul-2018
6, 8.32, 18.2, 59, 746, 00 , 09:50:03, 13-Jul-2018
7, 8.23, 19.0, 59, 746, 00 , 10:05:03, 13-Jul-2018
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DAILY OBSERVATION REPORT

Report No.:	37	Project File:	MN0832D	Date:	7/14/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — *an affiliate of Geosyntec Consultants*

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: James Burnett

Site Representative: Matt Schallinger

Arrive at Site: 0730 hrs. Leave Site: 1730 hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Sunny, Clear	am	Increasing Clouds	pm
Temperature:	69° F	am	90° F	pm
Wind Direction:	0 N	am	9 NW	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☒	No ☐	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 37 Project File: MN0832D Date: 7/14/2018

Materials Imported and Removed from Work Areas

Soil Removal:

Total Loads today: 0 Total Loads to date: 145

Weight: ~22 tons/each Total Weight to date: ~3617 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 15

Weight: 0 Tons Total Weight to date: ~293 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: 0Tons Total Weight to date: 132 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: 159

Weight: ~22 Tons/each Total Weight to date: ~3343 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0720. Attended Recon safety meeting. Matthew Schallinger, Hannah Zafar, Jim Burnett, Alex Ambrosino and Elizabeth Lee were on site. MS holds Geosyntec tailgate safety meeting. Review work plan for the day. Potential for afternoon storms and heat stress today.
- MS meets with Recon and discusses excavation and backfilling plan for the day.
- MS and Recon QC load counts for imported fill and exported TSCA material.
- HZ and EL calibrate and deploy dust monitors in the MSA and RPL.
- Scott of Recon marks out excavation locations using the GPS.
- Recon loads sheet pile staged near the MSA to be transported offsite.
- Recon excavated 0-4’ bgs non-hazardous material and 0-6’ bgs TSCA material in the western end of phases two and three.
- Recon continues to hand clear and mark out the storm sewer and electric lines.

Report No.:	37	Project File:	MN0832D	Date:	7/14/2018

- Recon continues to backfill, grade and compact the fill material from IRM 1 soil stockpile in phase one.
- Tim Cleary of Atlantic Testing takes compaction readings using a nuclear density gauge.
- Trucks hauling non-hazardous material were pressure washed with water on the decon pad before leaving the RPL.
- JB observes backfilling, compaction and excavation activities.
- All trucks leaving the RPL and the MSA were decontaminated before entering the haul road.
- Recon hand clears the storm sewer line in the western portion of phase 2.
- Recon identifies and exposes a small section of the electric line in in the western portion of phase 2.

PM

- Recon continues to excavate hazardous and non-hazardous material in the RPL.
- Recon excavated 4-8’ bgs non-hazardous material in phase 3.
- Recon encountered a concrete slab in the NW section of phase 3 around 8’ bgs. Approximately 300 sq. ft of this concrete surface has been exposed thus far. It is likely to be the same slap encountered in phase one. Further excavation is planned to determine limits.
- Recon installed a temporary safety fence in the western end of phase three.
- Recon continued to hand clear the storm sewer and electric lines in phase two.
- Recon sprayed water along the haul road and the TSCA accumulation pile several times during the day. Recon sprayed water inside the RPL haul road.
- Recon constructed 3 lifts (total of 3-ft-thickness) in the northern half of Phase 1 area excavation.
- Atlantic Testing Laboratories (ATL) performed ten (10) in-place moisture-density tests in the compacted backfill and all tests met the minimum specified requirement of at least 95 percent degree of compaction (ASTM D698, standard compactive effort).
- HZ leaves site and heads home for leave.
- MS and Recon hold end of day meeting and discuss upcoming activities and planning for tomorrow. No excavation is planned and backfilling will be the primary activity.
- Recon began covering piles around 1600 and securing the site.
- EL and HZ collect dust monitors and extract data.

Report No.: 37 Project File: MN0832D Date: 7/14/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Brian Kilkenny
- Addison Hofferth
- Brian Balog
- Scott Early
- Rich Tonnucour
- (Recon labor) X18

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- 8x40 Office Trailer
- Portable Toilets
- Hand Wash Stations
- ST-197 Dodge Ram Work Truck
- 8x20 Storage Box
- Trimble GPS System (Base, Rover, Data Collector)
- 8x20 Office Trailer
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 Containments
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Vibratory Hammer
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Tim Cleary	Atlantic	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Substantial Completion Date: NA
Completion Date: NA

ITEMS OF CONCERN:

- A brief trigger level exceedance was recorded by the upwind and one downwind monitor in the MSA today.

Report No.:	37	Project File:	MN0832D	Date:	7/14/2018

Site Representative: M. Schallinger Date: 7/14/2018

Name: (*signature*) 

:

DAILY OBSERVATION REPORT

Report No.:	37	Project File:	MN0832D	Date:	7/14/2018

Photo Log

Date : 7/14/2018



Recon pressure washing outbound trucks at the RPL.



Recon implementing dust control measures.



Atlantic performing a compaction test.



Uncovering the concrete slab. View is to the NE.

Site Map

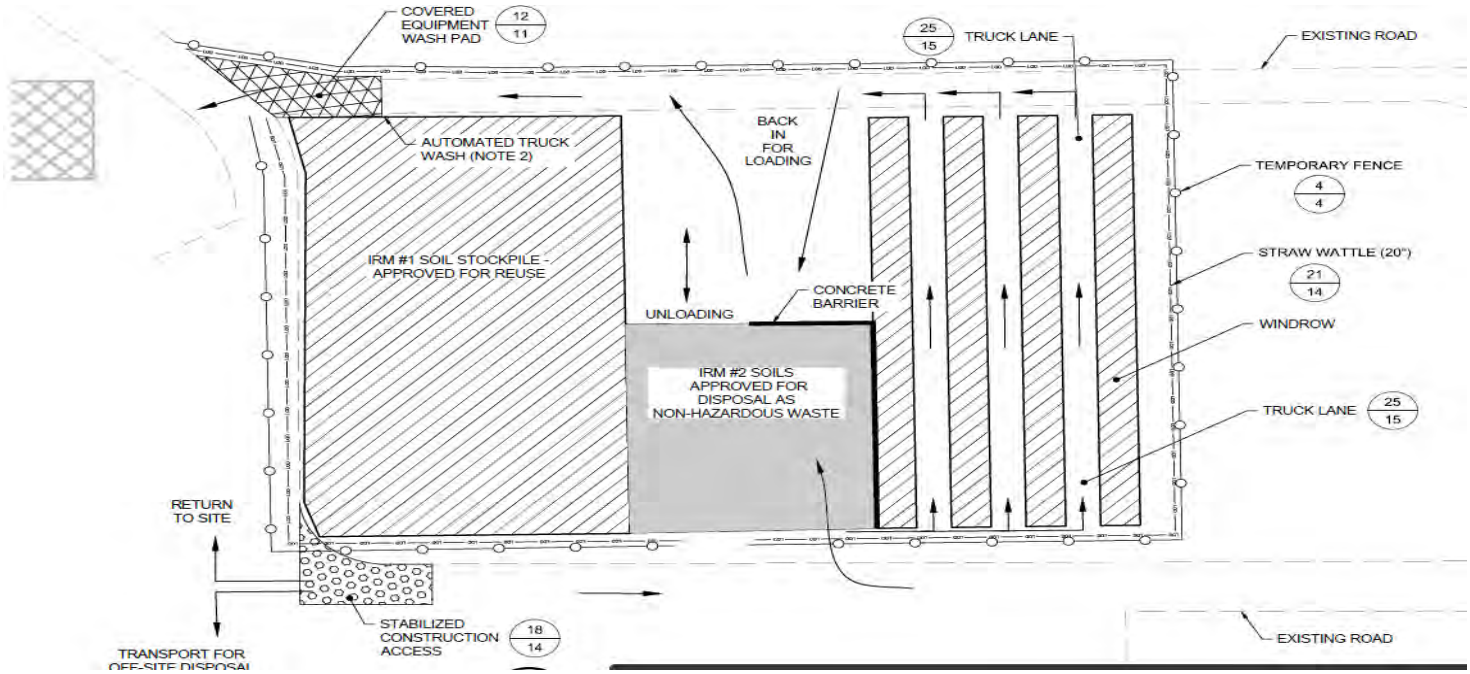
Rear Parking Lot

Report No.: 37 Project File: MN0832D Date: 7/14/2018



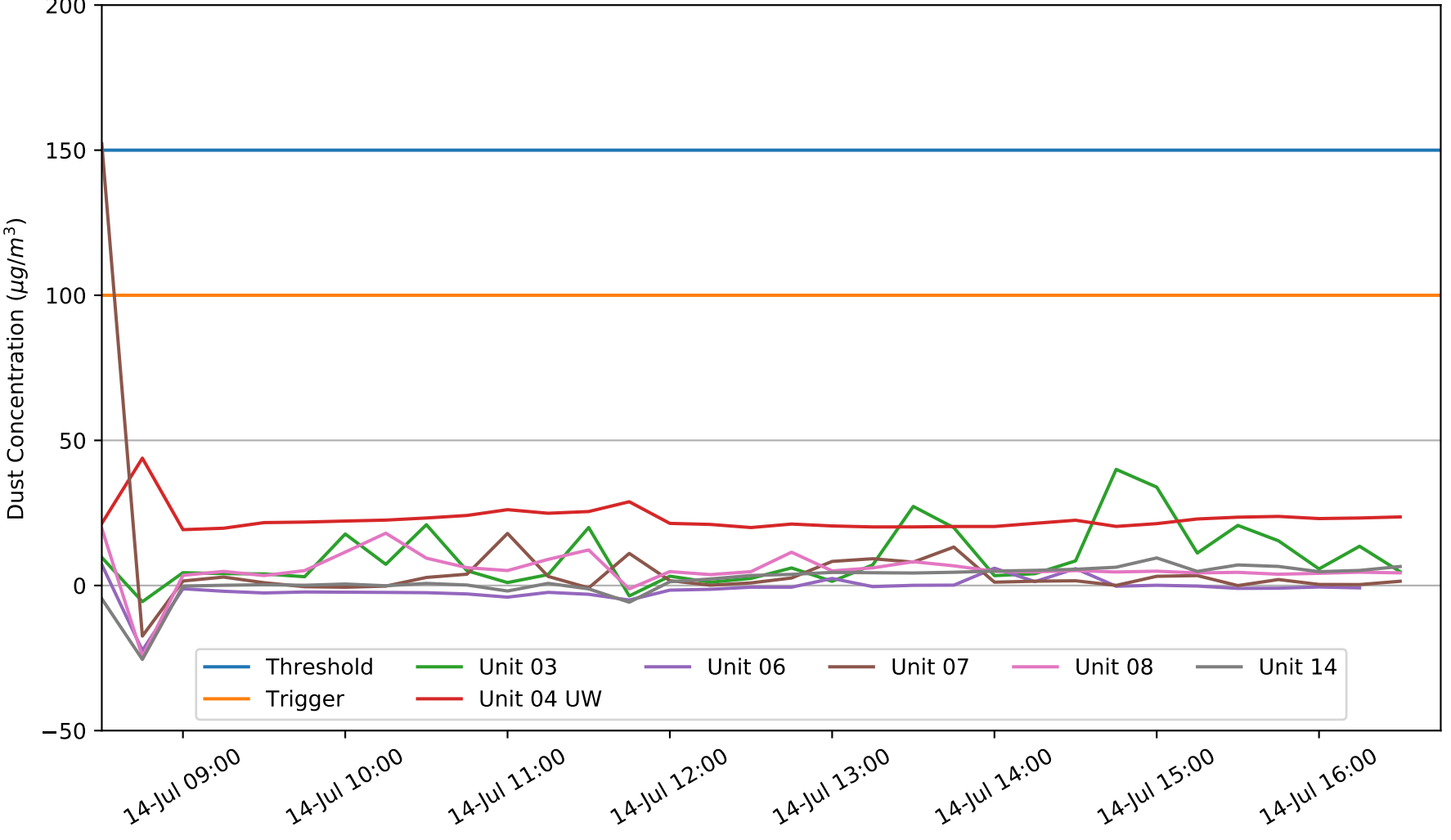
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MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 14-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 14-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 07	Unit 04 UW	Unit 08	Unit 03	Unit 14	Unit 06	Threshold	Trigger
2018-07-14 08:30:00	152.17	21.39	19.71	9.67	-4.56	7.2	150	100
2018-07-14 08:45:00	-17.43	43.88	-24.48	-5.58	-25.48	-22.36	150	100
2018-07-14 09:00:00	1.55	19.24	3.5	4.42	-0.2	-1.12	150	100
2018-07-14 09:15:00	2.9	19.73	4.85	4.09	0.08	-1.99	150	100
2018-07-14 09:30:00	0.96	21.67	3.43	3.99	0.26	-2.57	150	100
2018-07-14 09:45:00	-0.42	21.85	5.14	3.02	0.08	-2.24	150	100
2018-07-14 10:00:00	-0.6	22.21	11.51	17.75	0.51	-2.31	150	100
2018-07-14 10:15:00	-0.22	22.53	18.02	7.29	-0.1	-2.38	150	100
2018-07-14 10:30:00	2.77	23.26	9.42	20.95	0.72	-2.48	150	100
2018-07-14 10:45:00	3.89	24.13	6.14	5.09	0.16	-2.91	150	100
2018-07-14 11:00:00	17.94	26.13	5.15	1	-1.9	-4.02	150	100
2018-07-14 11:15:00	3.13	24.89	9	3.75	0.73	-2.37	150	100
2018-07-14 11:30:00	-0.83	25.48	12.25	19.99	-1.17	-3.03	150	100
2018-07-14 11:45:00	11.06	28.86	-1.18	-3.6	-5.77	-5.02	150	100
2018-07-14 12:00:00	1.67	21.4	4.79	3.21	1.29	-1.61	150	100
2018-07-14 12:15:00	0.1	21.04	3.75	1.13	2.25	-1.31	150	100
2018-07-14 12:30:00	0.89	19.97	4.77	2.44	3.45	-0.59	150	100
2018-07-14 12:45:00	2.58	21.17	11.47	6.05	3.83	-0.59	150	100
2018-07-14 13:00:00	8.3	20.52	5.03	1.43	4.51	2.43	150	100
2018-07-14 13:15:00	9.22	20.18	6.07	7.1	4.4	-0.39	150	100
2018-07-14 13:30:00	8.06	20.19	8.19	27.25	4.3	0.06	150	100
2018-07-14 13:45:00	13.25	20.33	6.78	19.92	4.56	0.12	150	100
2018-07-14 14:00:00	1.14	20.33	4.9	3.39	4.96	5.97	150	100
2018-07-14 14:15:00	1.48	21.43	4.68	4.07	5.22	1.33	150	100
2018-07-14 14:30:00	1.63	22.48	5.13	8.48	5.58	5.82	150	100
2018-07-14 14:45:00	0.03	20.36	4.66	40.01	6.3	-0.26	150	100
2018-07-14 15:00:00	3.17	21.31	4.93	33.9	9.5	0.08	150	100
2018-07-14 15:15:00	3.41	22.92	4.33	11.18	4.86	-0.2	150	100
2018-07-14 15:30:00	-0.03	23.54	4.53	20.71	7.08	-1	150	100
2018-07-14 15:45:00	2.05	23.8	3.88	15.41	6.57	-0.93	150	100
2018-07-14 16:00:00	0.36	23.06	4.19	5.72	4.76	-0.52	150	100
2018-07-14 16:15:00	0.32	23.26	4.58	13.52	5.19	-0.83	150	100
2018-07-14 16:30:00	1.46	23.63	4.35	4.74	6.54		150	100
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23, 25.23, 40.5, 22, 738, 00 , 14:10:03, 14-Jul-2018
24, 26.11, 40.8, 22, 738, 00 , 14:25:03, 14-Jul-2018
25, 27.61, 40.3, 23, 738, 00 , 14:40:03, 14-Jul-2018
26, 25.02, 40.1, 23, 738, 00 , 14:55:03, 14-Jul-2018
27, 26.24, 40.7, 23, 738, 00 , 15:10:03, 14-Jul-2018
28, 27.25, 41.0, 22, 738, 00 , 15:25:03, 14-Jul-2018
29, 28.07, 40.9, 22, 738, 00 , 15:40:03, 14-Jul-2018
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33, 27.98, 40.9, 23, 738, 00 , 16:40:03, 14-Jul-2018

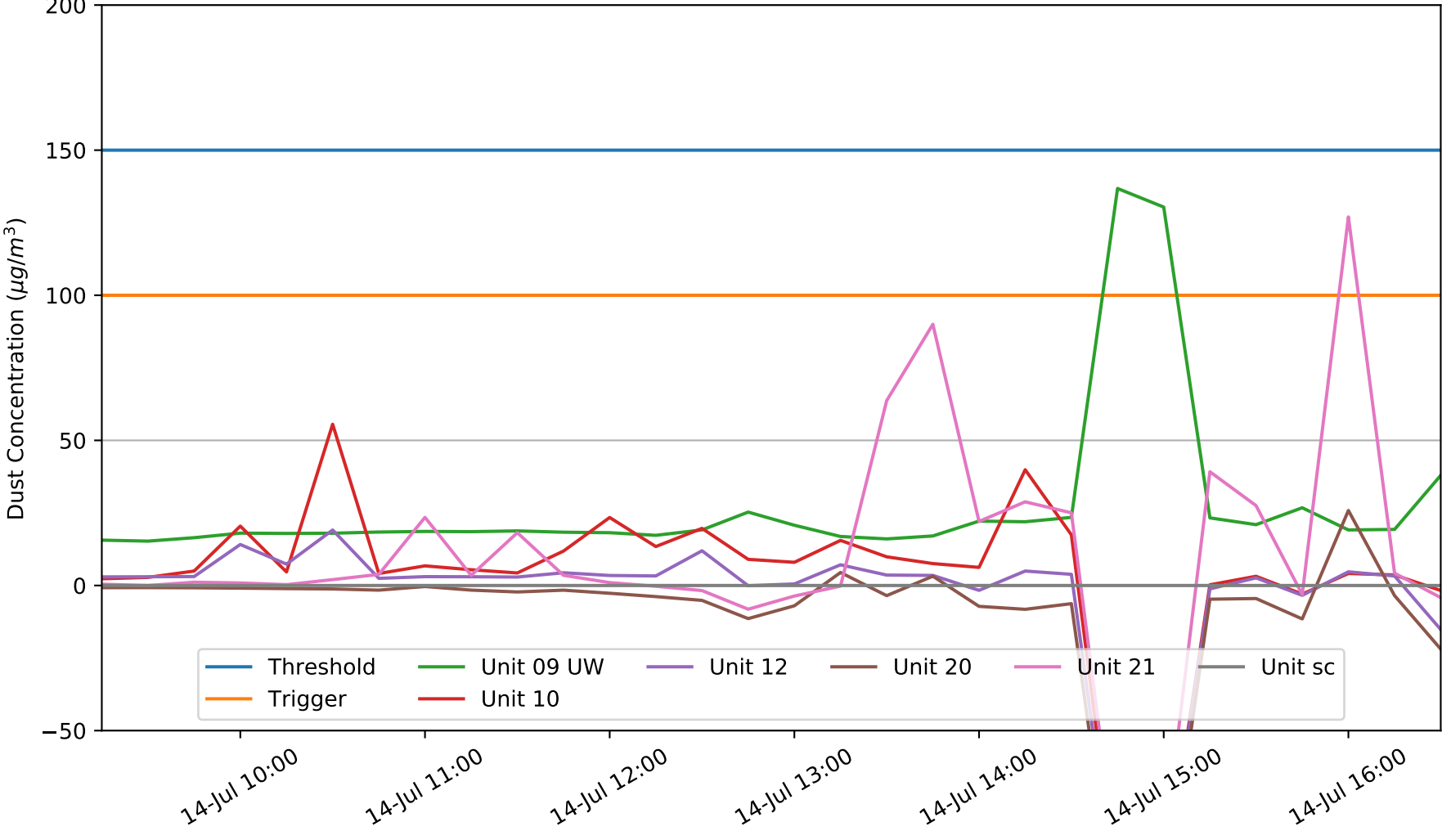
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2, 38.30, 23.6, 64, 742, 00 , 08:55:03, 14-Jul-2018
3, 23.66, 24.5, 60, 742, 00 , 09:10:03, 14-Jul-2018
4, 23.82, 25.5, 58, 742, 00 , 09:25:03, 14-Jul-2018
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6, 24.87, 27.1, 54, 742, 00 , 09:55:03, 14-Jul-2018
7, 39.96, 27.9, 52, 740, 00 , 10:10:03, 14-Jul-2018
8, 29.82, 28.9, 51, 740, 00 , 10:25:03, 14-Jul-2018
9, 44.21, 30.0, 48, 740, 00 , 10:40:03, 14-Jul-2018
10, 29.22, 31.1, 46, 740, 00 , 10:55:03, 14-Jul-2018
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12, 28.64, 33.8, 39, 740, 00 , 11:25:03, 14-Jul-2018
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15, 24.61, 37.5, 31, 740, 00 , 12:10:03, 14-Jul-2018
16, 22.17, 38.7, 29, 740, 00 , 12:25:03, 14-Jul-2018
17, 22.41, 39.8, 27, 740, 00 , 12:40:03, 14-Jul-2018
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21, 47.44, 42.8, 23, 740, 00 , 13:40:03, 14-Jul-2018
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25, 30.96, 43.0, 24, 740, 00 , 14:40:03, 14-Jul-2018
26, 60.37, 42.0, 25, 740, 00 , 14:55:03, 14-Jul-2018
27, 55.21, 41.7, 25, 740, 00 , 15:10:03, 14-Jul-2018
28, 34.10, 41.0, 27, 740, 00 , 15:25:03, 14-Jul-2018
29, 44.25, 40.8, 27, 740, 00 , 15:40:03, 14-Jul-2018
30, 39.21, 40.9, 28, 740, 00 , 15:55:03, 14-Jul-2018
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33, 28.37, 43.5, 24, 740, 00 , 16:40:03, 14-Jul-2018

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"Avg point ", 24.896624
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"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
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3, 19.04, 31.9, 40, 740, 00 , 09:10:03, 14-Jul-2018
4, 19.81, 34.7, 34, 740, 00 , 09:25:03, 14-Jul-2018
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7, 22.72, 38.9, 27, 740, 00 , 10:10:03, 14-Jul-2018
8, 22.43, 40.2, 26, 740, 00 , 10:25:03, 14-Jul-2018
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13, 24.31, 41.5, 24, 740, 00 , 11:40:03, 14-Jul-2018
14, 23.09, 41.9, 23, 740, 00 , 11:55:03, 14-Jul-2018
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32, 28.45, 38.9, 28, 738, 00 , 16:25:03, 14-Jul-2018
33, 30.17, 39.2, 27, 738, 00 , 16:40:03, 14-Jul-2018
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"Max STEL   ", 30.264637
"Max STEL @ ", 08:46:33 14-Jul-2018
"Avg point ", 21.640871
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
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3, 18.12, 31.5, 31, 744, 02 , 09:10:03, 14-Jul-2018
4, 17.74, 35.0, 26, 744, 02 , 09:25:03, 14-Jul-2018
5, 19.10, 36.3, 24, 744, 02 , 09:40:03, 14-Jul-2018
6, 19.61, 37.6, 22, 744, 02 , 09:55:03, 14-Jul-2018
7, 19.90, 38.5, 21, 742, 02 , 10:10:03, 14-Jul-2018
8, 20.15, 39.5, 20, 744, 02 , 10:25:03, 14-Jul-2018
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21, 20.25, 40.0, 18, 742, 02 , 13:40:03, 14-Jul-2018
22, 20.45, 39.9, 19, 742, 02 , 13:55:03, 14-Jul-2018
23, 26.30, 39.9, 19, 742, 02 , 14:10:03, 14-Jul-2018
24, 22.76, 39.7, 19, 742, 02 , 14:25:03, 14-Jul-2018
25, 28.30, 38.9, 21, 742, 02 , 14:40:03, 14-Jul-2018
26, 20.10, 38.3, 21, 742, 02 , 14:55:03, 14-Jul-2018
27, 21.39, 38.0, 22, 742, 02 , 15:10:03, 14-Jul-2018
28, 22.72, 37.6, 22, 742, 02 , 15:25:03, 14-Jul-2018
29, 22.54, 37.5, 23, 742, 02 , 15:40:03, 14-Jul-2018
30, 22.87, 37.4, 23, 742, 02 , 15:55:03, 14-Jul-2018
31, 22.54, 37.7, 23, 742, 02 , 16:10:03, 14-Jul-2018
32, 22.43, 37.9, 23, 742, 02 , 16:25:03, 14-Jul-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 14-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 14-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit sc	Unit 20	Unit 10	Unit 09 UW	Unit 21	Unit 12	Threshold	Trigger
2018-07-14 09:15:00	0	-0.75	2.32	15.63	0.45	2.96	150	100
2018-07-14 09:30:00	0	-0.73	2.79	15.29	-0.01	3.01	150	100
2018-07-14 09:45:00	0	-0.79	4.98	16.47	1.13	3.08	150	100
2018-07-14 10:00:00	0	-0.92	20.46	18.04	0.87	14.13	150	100
2018-07-14 10:15:00	0	-1.07	4.67	17.94	0.29	7.35	150	100
2018-07-14 10:30:00	0	-1.19	55.56	18.01	2.02	19.12	150	100
2018-07-14 10:45:00	0	-1.6	4.14	18.42	3.82	2.46	150	100
2018-07-14 11:00:00	0	-0.35	6.76	18.63	23.48	3.05	150	100
2018-07-14 11:15:00	0	-1.59	5.43	18.55	3.49	3.01	150	100
2018-07-14 11:30:00	0	-2.23	4.32	18.81	18.19	2.91	150	100
2018-07-14 11:45:00	0	-1.61	11.86	18.36	3.51	4.39	150	100
2018-07-14 12:00:00	0	-2.68	23.43	18.19	0.99	3.45	150	100
2018-07-14 12:15:00	0	-3.83	13.42	17.29	-0.26	3.3	150	100
2018-07-14 12:30:00	0	-5.13	19.68	19.15	-1.75	11.96	150	100
2018-07-14 12:45:00	0	-11.41	9.01	25.29	-8.17	-0.08	150	100
2018-07-14 13:00:00	0	-7	7.99	20.76	-3.64	0.53	150	100
2018-07-14 13:15:00	0	4.48	15.54	16.89	-0.21	7.13	150	100
2018-07-14 13:30:00	0	-3.5	9.88	16.05	63.7	3.59	150	100
2018-07-14 13:45:00	0	3.2	7.55	17.07	90	3.47	150	100
2018-07-14 14:00:00	0	-7.19	6.24	22.19	22.07	-1.67	150	100
2018-07-14 14:15:00	0	-8.21	39.89	21.96	28.83	4.98	150	100
2018-07-14 14:30:00	0	-6.26	17.45	23.47	25.03	3.85	150	100
2018-07-14 14:45:00	0	-119.99	-106.53	136.8	-98.47	-112.04	150	100
2018-07-14 15:00:00	0	-115.55	-105.35	130.39	-91.85	-107.9	150	100
2018-07-14 15:15:00	0	-4.72	0.24	23.3	39.2	-1.17	150	100
2018-07-14 15:30:00	0	-4.49	3.18	20.96	27.52	2.63	150	100
2018-07-14 15:45:00	0	-11.52	-2.96	26.78	-3.13	-3.39	150	100
2018-07-14 16:00:00	0	25.85	4.14	19.14	127	4.71	150	100
2018-07-14 16:15:00	0	-3.49	3.63	19.32	4.23	3.27	150	100
2018-07-14 16:30:00	0	-21.92	-1.72	37.95	-4.18	-15.18	150	100

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"Max STEL @ ", 14:47:43 14-Jul-2018
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9, 18.55, 37.0, 36, 740, 00 , 11:15:03, 14-Jul-2018
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13, 17.29, 38.2, 31, 740, 00 , 12:15:03, 14-Jul-2018
14, 19.15, 37.8, 31, 740, 00 , 12:30:03, 14-Jul-2018
15, 25.29, 37.8, 31, 740, 00 , 12:45:03, 14-Jul-2018
16, 20.76, 40.3, 29, 740, 00 , 13:00:03, 14-Jul-2018
17, 16.89, 42.4, 24, 740, 00 , 13:15:03, 14-Jul-2018
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20, 22.19, 44.3, 22, 740, 00 , 14:00:03, 14-Jul-2018
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25, 23.30, 41.9, 24, 740, 00 , 15:15:03, 14-Jul-2018
26, 20.96, 41.5, 20, 740, 00 , 15:30:03, 14-Jul-2018
27, 26.78, 41.5, 20, 740, 00 , 15:45:03, 14-Jul-2018
28, 19.14, 41.2, 26, 740, 00 , 16:00:03, 14-Jul-2018
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"Max STEL ", 45.921421
"Max STEL @ ", 16:03:43 14-Jul-2018
"Avg point ", 17.030847
"ALARM ", "INSTANT "
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"Errors ", 0000
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"FlowRate ", 1.200000
"Site Name ", "Factory default"
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4, 17.12, 25.1, 45, 742, 00 , 10:00:03, 14-Jul-2018
5, 16.87, 25.9, 44, 742, 00 , 10:15:03, 14-Jul-2018
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30, 16.03, 35.9, 25, 740, 00 , 16:30:03, 14-Jul-2018

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DAILY OBSERVATION REPORT

Report No.:	38	Project File:	MN0832D	Date:	7/15/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — *an affiliate of Geosyntec Consultants*

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: James Burnett

Site Representative: Matt Schallinger

Arrive at Site: 0730 hrs. Leave Site: 1400 hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Partly Sunny	am	Increasing Clouds	pm
Temperature:	69° F	am	87° F	pm
Wind Direction:	0 N	am	8 SW	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 38 Project File: MN0832D Date: 7/15/2018

Materials Imported and Removed from Work Areas

Soil Removal:

Total Loads today: 1 Total Loads to date: 146

Weight: ~22 tons/each Total Weight to date: ~3639 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 15

Weight: 0 Tons Total Weight to date: ~293 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: 0Tons Total Weight to date: 132 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: 159

Weight: ~22 Tons/each Total Weight to date: ~3343 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0720. Attended Recon safety meeting. Matthew Schallinger, Jim Burnett, Alex Ambrosino and Elizabeth Lee were on site. MS holds Geosyntec tailgate safety meeting. Review work plan for the day.
- MS meets with Recon and backfilling plan for the day. No excavation is planned for today.
- MS and EL calibrate and deploy dust monitors in the RPL. There was no work in the MSA today.
- MS inspects rain controls on the roof. There is standing water on the roof from the early morning downpour. All 4 pumps are working and draining to the storm sewer on the north side of the building.
- Recon continues to backfill, grade and compact the fill material.
- Denver of Atlantic testing takes compaction readings using a nuclear density gauge.
- JB observes backfilling and compaction.
- AA leaves site for the day. MS offsite for a few hours.

Report No.:	38	Project File:	MN0832D	Date:	7/15/2018

- All trucks leaving the RPL were decontaminated before entering the haul road.

PM

- Recon sprayed water along the haul road and the TSCA accumulation pile several times during the day. Recon sprayed water inside the RPL haul road.
- Four (4) lifts (numbers 8 through 11), totaling 4-ft-thick, of backfill [from the imported soil (Brewer's Pit is the source) stockpile] were constructed in the northern portion of the Phase 1 area excavation.
- Atlantic Testing Laboratories (ATL) performed eight (8) in-place moisture-density tests, using a nuclear gauge, in the compacted backfill today. All tests met the compaction requirements.
- 1 TSCA truck was loaded this afternoon.
- Recon elevates the sump pump connections on the roof using cones to protect against water infiltration.
- Recon began covering piles around 1300 and securing the site.
- EL collects dust monitors and MS extracts data.
- No dust exceedances were recorded today.

Report No.: 38 Project File: MN0832D Date: 7/15/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Brian Balog
- Rich Tonnucour
- (Recon labor) X10

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- 8x40 Office Trailer
- Portable Toilets
- Hand Wash Stations
- ST-197 Dodge Ram Work Truck
- 8x20 Storage Box
- Trimble GPS System (Base, Rover, Data Collector)
- 8x20 Office Trailer
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 Containments
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Vibratory Hammer
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Denver Tyler	Atlantic	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Substantial Completion Date: NA
Completion Date: NA

ITEMS OF CONCERN:

None.

DAILY OBSERVATION REPORT

Report No.:	38	Project File:	MN0832D	Date:	7/15/2018

Site Representative: M. Schallinger

Date: 7/15/2018

Name: (*signature*)



:

DAILY OBSERVATION REPORT

Report No.:	38	Project File:	MN0832D	Date:	7/15/2018

Photo Log

Date : 7/15/2018



Morning view of the excavation in the RPL.



Recon pressure washing truck as they leave the RPL.



Extent of water on roof of K-wing. All 4 pumps are working.



Current extent of backfill in phase one.

DAILY OBSERVATION REPORT

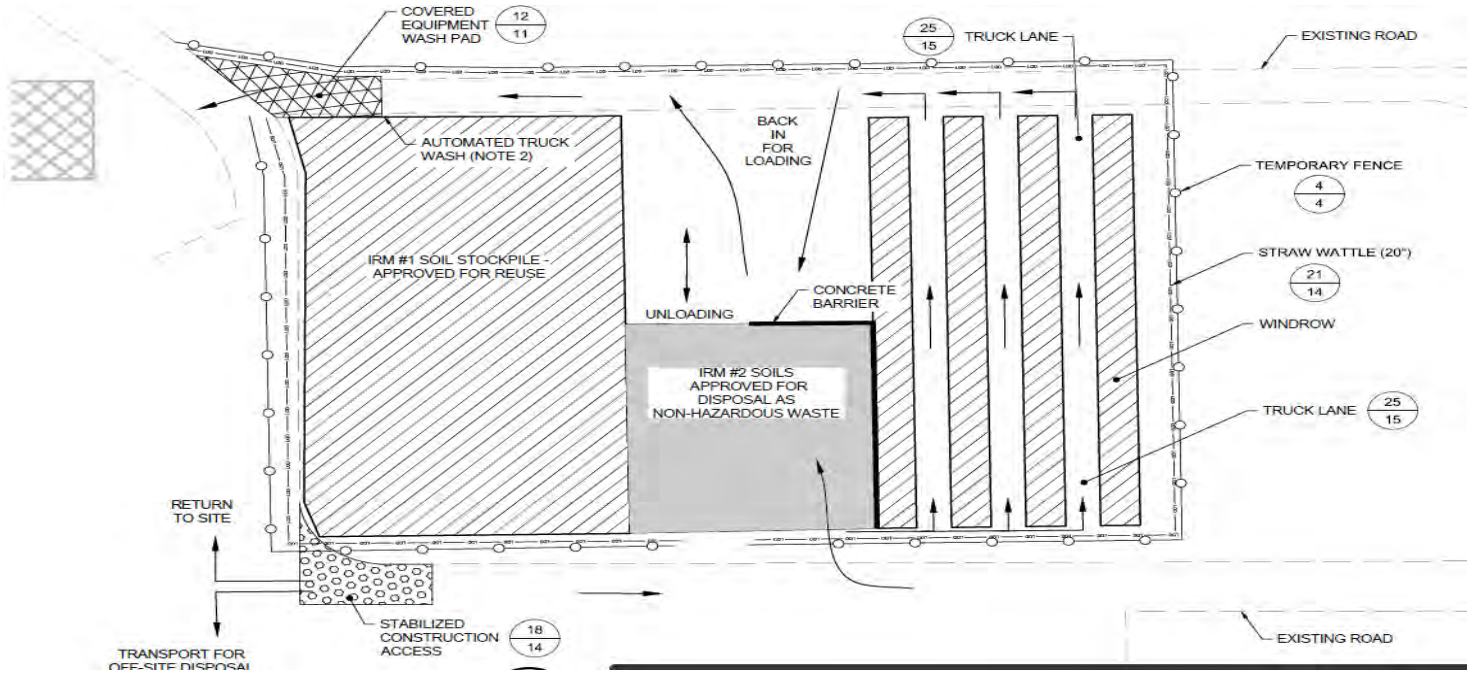
Report No.:	38	Project File:	MN0832D	Date:	7/15/2018

Site Map

Rear Parking Lot

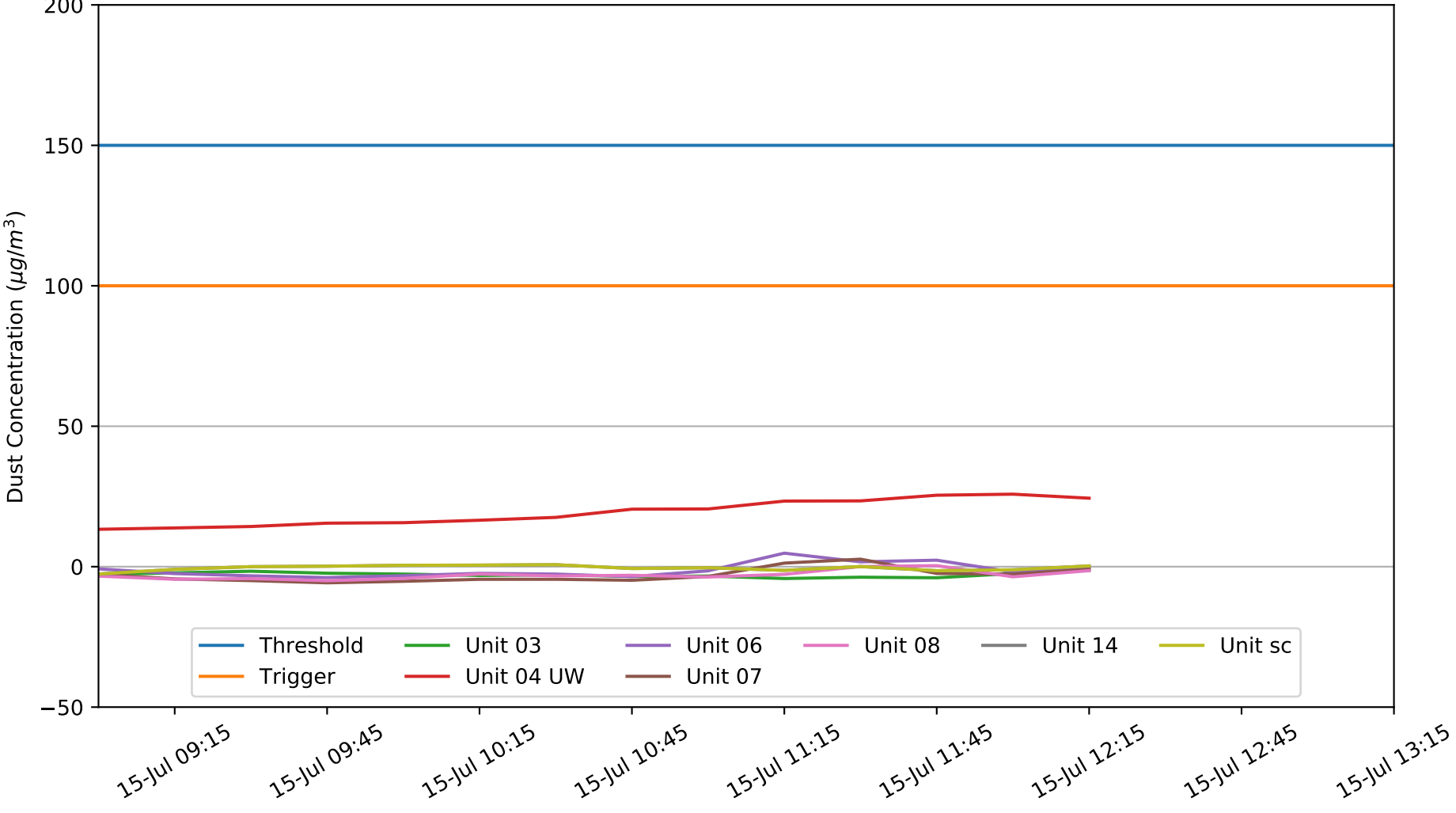


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 15-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 15-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 08	Unit 04 UW	Unit 14	Unit 06	Unit sc	Unit 03	Unit 07	Threshold	Trigger
2018-07-15 09:00:00	-3.36	13.31	-2.61	-0.78	-2.61	-2.74	-2.73	150	100
2018-07-15 09:15:00	-4.49	13.79	-0.96	-2.46	-0.96	-2.21	-4.35	150	100
2018-07-15 09:30:00	-4.24	14.3	0.01	-3.26	0.01	-1.62	-4.96	150	100
2018-07-15 09:45:00	-5	15.49	0.16	-3.88	0.16	-2.33	-5.75	150	100
2018-07-15 10:00:00	-4.19	15.66	0.49	-3.22	0.49	-2.63	-5.21	150	100
2018-07-15 10:15:00	-2.61	16.53	0.55	-2.37	0.55	-3.14	-4.5	150	100
2018-07-15 10:30:00	-3.28	17.55	0.7	-2.64	0.7	-2.91	-4.49	150	100
2018-07-15 10:45:00	-3.07	20.47	-0.66	-3.54	-0.66	-3.48	-4.84	150	100
2018-07-15 11:00:00	-3.67	20.55	-0.38	-1.48	-0.38	-3.34	-3.48	150	100
2018-07-15 11:15:00	-2.73	23.35	-1.31	4.81	-1.31	-4.22	1.27	150	100
2018-07-15 11:30:00	0.04	23.42	0.04	1.72	0.04	-3.75	2.67	150	100
2018-07-15 11:45:00	0.37	25.44	-1.43	2.31	-1.43	-3.95	-2.4	150	100
2018-07-15 12:00:00	-3.61	25.81	-1.12	-1.9	-1.12	-2.44	-2.68	150	100
2018-07-15 12:15:00	-1.41	24.38	0.27	-0.11	0.27	-1.3	-0.93	150	100
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7, 17.55, 34.6, 46, 740, 01 , 10:30:03, 15-Jul-2018
8, 20.47, 34.8, 42, 740, 01 , 10:45:03, 15-Jul-2018
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9, 20.17, 35.4, 40, 738, 00 , 11:00:47, 15-Jul-2018
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14, 24.65, 39.5, 31, 738, 00 , 12:15:47, 15-Jul-2018
15, 25.82, 39.2, 32, 738, 00 , 12:30:47, 15-Jul-2018
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4, 11.61, 20.8, 77, 740, 00 , 09:45:03, 15-Jul-2018
5, 12.44, 21.3, 74, 740, 00 , 10:00:03, 15-Jul-2018
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"Max STEL @ ", 13:06:57 15-Jul-2018
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8, 19.81, 34.4, 43, 738, 00 , 10:45:47, 15-Jul-2018
9, 20.17, 35.4, 40, 738, 00 , 11:00:47, 15-Jul-2018
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6, 13.39, 36.1, 43, 740, 00 , 10:15:03, 15-Jul-2018
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9, 17.21, 38.5, 35, 740, 00 , 11:00:03, 15-Jul-2018
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6, 12.03, 25.7, 74, 740, 00 , 10:15:03, 15-Jul-2018
7, 13.06, 26.3, 71, 740, 00 , 10:30:03, 15-Jul-2018
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DAILY OBSERVATION REPORT

Report No.:	39	Project File:	MN0832D	Date:	7/16/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — *an affiliate of Geosyntec Consultants*

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: James Burnett

Site Representative: Matt Schallinger

Arrive at Site: 0645hrs. Leave Site: 2000 hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Foggy, Humid	am	Increasing Clouds	pm
Temperature:	68° F	am	85° F	pm
Wind Direction:	3 SW	am	5 NW	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 39 Project File: MN0832D Date: 7/16/2018

Materials Imported and Removed from Work Areas

Soil Removal:

Total Loads today: 10 Total Loads to date: 156

Weight: ~22 tons/each Total Weight to date: ~3916Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 15

Weight: 0 Tons Total Weight to date: ~293 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: 0 Tons Total Weight to date: 132 Tons

Imported Common Fill:

Total Loads today: Pending Total Loads to date: 159

Weight: ~22 Tons/each Total Weight to date: ~3343 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0645. Attended Recon safety meeting. Matthew Schallinger, Jim Burnett, Lauren Quickel and Elizabeth Lee were on site. MS holds Geosyntec tailgate safety meeting. Review work plan for the day.
- MS meets with Recon and discusses excavation and backfilling plan for the day.
- MS deploys TISCH samplers.
- LQ and EL calibrate and deploy dust monitors in the MSA and RPL.
- Recon excavated 4-8’ bgs non-hazardous material and 0-6’ bgs TSCA material in the western end of phases two and three and transported the material to either the MSA or TSCA accumulation pile.
- Recon backfills, grades and compacts the fill material in phase one.
- Denver of Atlantic testing takes compaction readings using a nuclear density gauge.
- TSCA trucks are loaded on the loading pad, inspected by Geosyntec and Recon and tarped.

Report No.:	39	Project File:	MN0832D	Date:	7/16/2018

- Trucks were pressure washed with water on the decon pad before leaving the site.
- JB observes loading of trucks and issues manifests once the trucks have been inspected.
- JB observes backfilling and compaction testing.
- All trucks leaving the RPL and the MSA were decontaminated before entering the haul road.
- Recon continues to hand clear the storm sewer line and electric line in the western portion of phase 2 as excavation progresses east.

PM

- Recon continues to excavate in phases two and three.
- Recon continued to hand clear the storm sewer and electric lines in phases two and three.
- Scott Williams of NYSDEC onsite.
- Jim Bannantine of Geosyntec onsite.
- Tom Tanner of Recon onsite.
- 10 TSCA trucks were loaded for shipment today. All trucks were inspected and the tires were pressure washed before leaving the site.
- Recon sprayed water along the haul road and the TSCA accumulation pile several times during the day. Recon sprayed water inside the RPL haul road.
- No dust exceedances were recorded today.
- Atlantic Testing Laboratories (ATL) performed four (4) in-place moisture-density tests, using a nuclear gauge, in the compacted backfill today. All tests met the minimum specified requirement of at least 95 percent degree of compaction (ASTM D698, standard compactive effort).
- Eleven lifts (numbers 1 through 11) of backfill, totaling 11-ft-thick, were constructed in the northern portion of the Phase 1 excavation area on 13, 14 and 15 July. Ten and one half (10.5) lifts (numbers 1 through 9 and half of 10) of backfill, totaling 10.5-ft-thick, were constructed in the southern portion of the Phase 1 excavation area on 13, 14 and 16 July.
- MS conducts SWPP investigation in the RPL and MSA. No deficiencies were noted.
- The water line was struck and ruptured at a previously unidentified location in phase 3. The water valve was shut off and the proper authorities were immediately notified. Please see the Issues of Concern section for more detail regarding this matter.
- MS and Recon hold end of day meeting and discuss upcoming activities and planning for tomorrow.
- Recon began covering piles around 1700 and securing the site.
- MS collects TISCH samples and prepares them for shipment.
- EL and LQ collect dust monitors and extract data.
- Geosyntec and Recon leave the site around 2000 hours.

Report No.: 39 Project File: MN0832D Date: 7/16/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Tom Tanner
- Brian Kilkenny
- Addison Hofferth
- Brian Balog
- Scott Early
- Rich Tonnucour
- (Recon labor) X18

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- 8x40 Office Trailer
- Portable Toilets
- Hand Wash Stations
- ST-197 Dodge Ram Work Truck
- 8x20 Storage Box
- Trimble GPS System (Base, Rover, Data Collector)
- 8x20 Office Trailer
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 Containments
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Vibratory Hammer
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	DEC	Yes
Denver Tyler	Atlantic	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Substantial Completion Date: NA

DAILY OBSERVATION REPORT

Report No.:	39	Project File:	MN0832D	Date:	7/16/2018

Completion Date: NA

ITEMS OF CONCERN:

- During normal excavation procedures the water line was ruptured around 1535 at a previously unidentified location in phase three. Recon shut the valve off approximately 8-10 minutes later. Approximately 20,000 gallons of water was observed in the Phase Three excavation. The proper authorities including ECSD, Elmira Water Board (EWB) and NYSDEC were immediately notified as the valve was shut off and the water stopped flowing. Scott Williams of DEC was onsite during this event.
- Elmira Water Board personnel arrived onsite to access the situation at 1610 . Recon constructed a check dam and evacuated the water alongside the water pipe where the breach occurred. This allowed EWB personnel to conduct their investigation. It was observed that at least one 45 degree bend was used to divert the water line from its original bearing. This is likely due to concrete structures uncovered in the immediate vicinity. The location and depth of the water line had been identified during air excavation to locate utilities at the property line and near the EHS building. Those locations appeared to be in alignment.
- Recon stabilized the exposed water, electric and sewer lines with stone gravel before leaving the site around 2000.
- A meeting is planned for 1100 tomorrow morning to re-access the situation and develop a procedure for moving forward.

Site Representative: M. Schallinger

Date: 7/16/2018

Name: (*signature*)



:

Report No.:	39	Project File:	MN0832D	Date:	7/16/2018

Photo Log

Date : 7/16/2018



Recon using the pressure washer to clean haul trucks.



Recon excavating between the sewer and electric lines.



Photo showing the location of the marked-out waterline and actual location of rupture. It is approximately a 15’ offset.



Extent of pooled water in phase 3 and view of the RPL at days end.

DAILY OBSERVATION REPORT

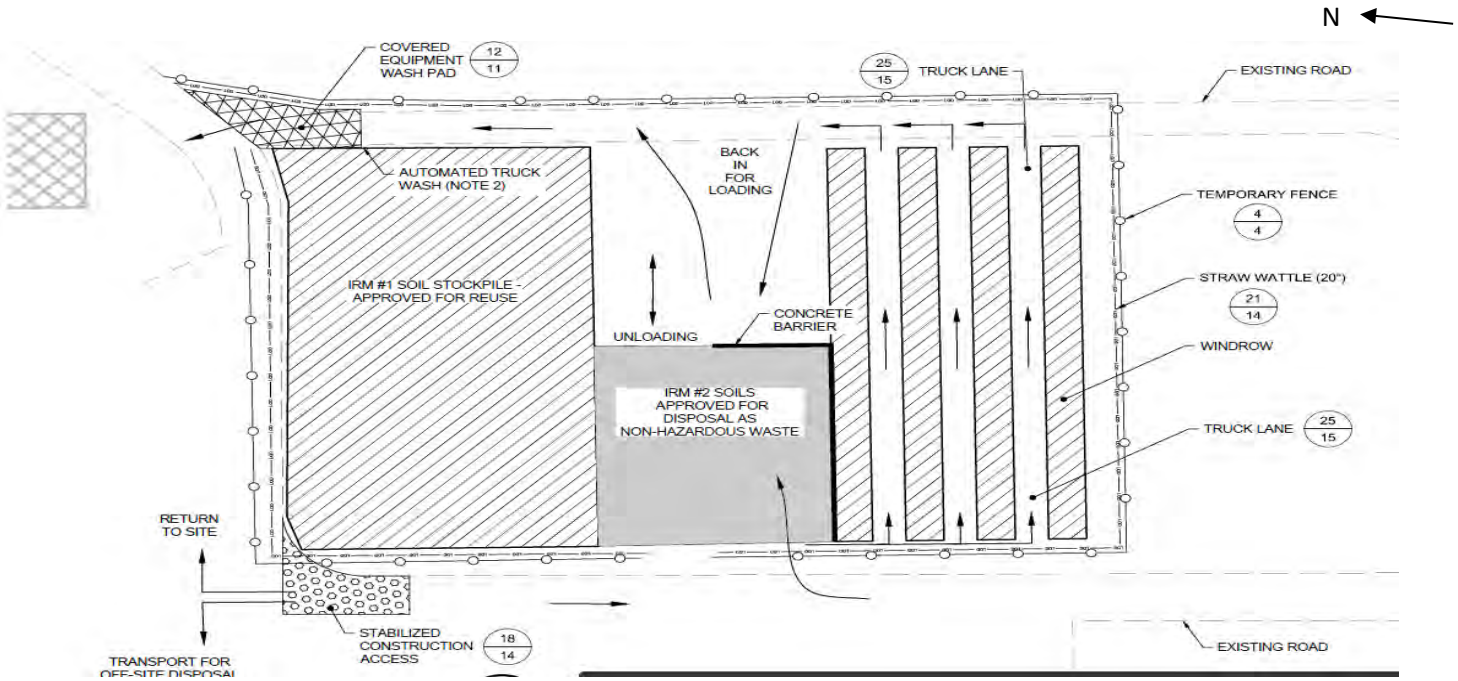
Report No.:	39	Project File:	MN0832D	Date:	7/16/2018

Site Map

Rear Parking Lot

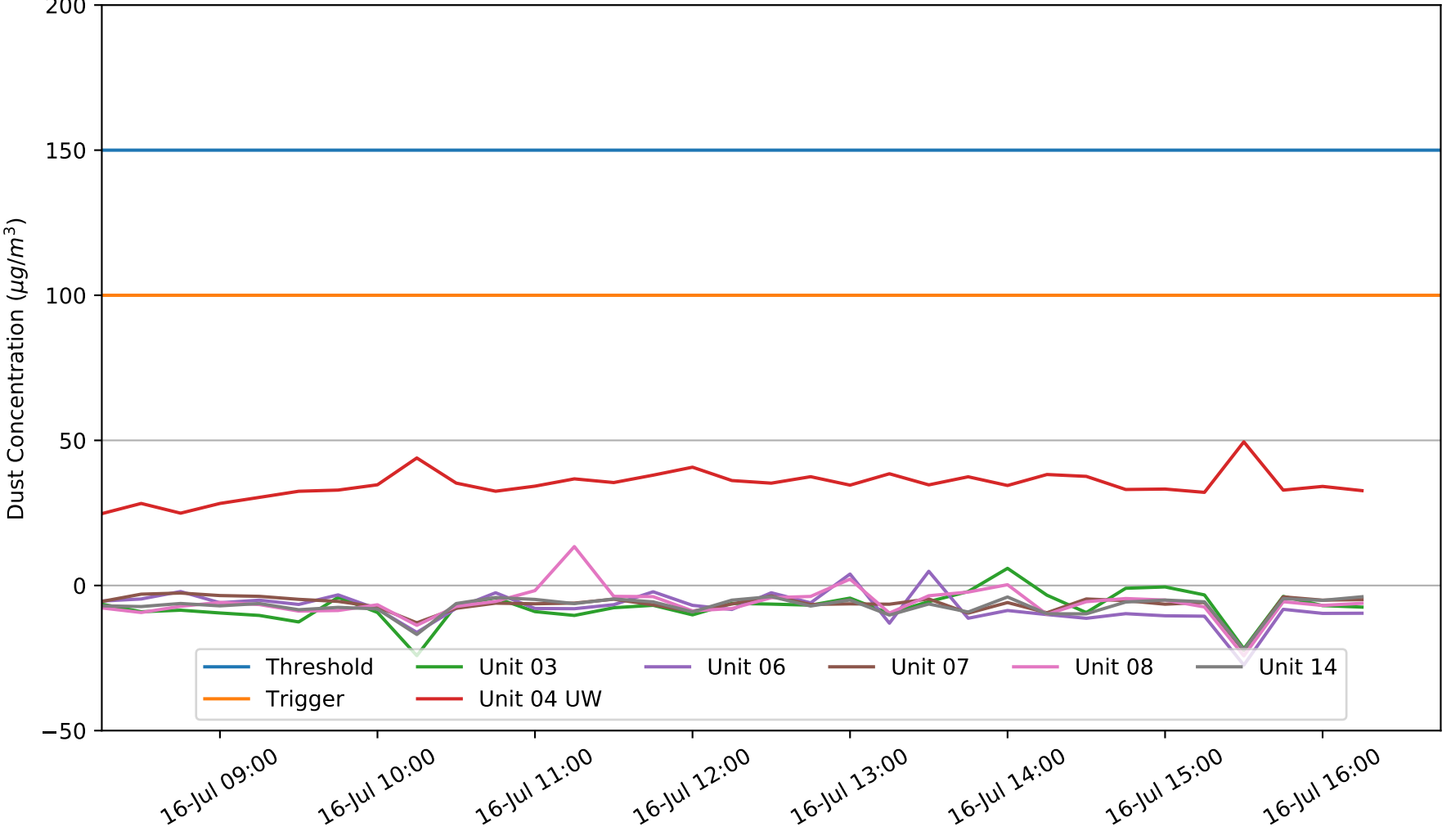


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 16-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 16-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 14	Unit 07	Unit 03	Unit 06	Unit 08	Unit 04 UW	Threshold	Trigger
2018-07-16 08:15:00	-6.99	-5.5	-6.43	-5.36	-7.73	24.76	150	100
2018-07-16 08:30:00	-7.26	-2.99	-9.05	-4.65	-9.31	28.27	150	100
2018-07-16 08:45:00	-6.2	-2.6	-8.51	-2.08	-7.17	24.92	150	100
2018-07-16 09:00:00	-7.02	-3.47	-9.47	-5.94	-5.83	28.27	150	100
2018-07-16 09:15:00	-6.21	-3.74	-10.32	-5.06	-6.57	30.36	150	100
2018-07-16 09:30:00	-8.35	-4.77	-12.56	-6.53	-8.82	32.47	150	100
2018-07-16 09:45:00	-7.54	-5.48	-4.08	-3.23	-8.62	32.87	150	100
2018-07-16 10:00:00	-8.07	-7.4	-9.28	-8.11	-6.64	34.7	150	100
2018-07-16 10:15:00	-16.88	-12.86	-24.18	-16.17	-13.73	43.94	150	100
2018-07-16 10:30:00	-6.22	-7.86	-6.71	-7.86	-7.19	35.28	150	100
2018-07-16 10:45:00	-4.13	-6.09	-4.26	-2.5	-5.48	32.48	150	100
2018-07-16 11:00:00	-4.8	-6.3	-9	-7.92	-1.76	34.23	150	100
2018-07-16 11:15:00	-6.24	-6.07	-10.32	-8	13.41	36.74	150	100
2018-07-16 11:30:00	-4.63	-4.72	-7.66	-6.61	-3.75	35.47	150	100
2018-07-16 11:45:00	-5.64	-6.68	-6.83	-2.16	-3.84	38.02	150	100
2018-07-16 12:00:00	-9.09	-8.89	-10.12	-6.84	-8.73	40.76	150	100
2018-07-16 12:15:00	-5.05	-6.39	-6.16	-8.26	-7.94	36.16	150	100
2018-07-16 12:30:00	-3.83	-3.6	-6.41	-2.5	-4.2	35.26	150	100
2018-07-16 12:45:00	-7.08	-6.54	-6.78	-5.98	-3.77	37.49	150	100
2018-07-16 13:00:00	-4.99	-6.33	-4.35	3.95	2.2	34.58	150	100
2018-07-16 13:15:00	-10.19	-6.45	-9.64	-13	-9.51	38.5	150	100
2018-07-16 13:30:00	-6.37	-4.63	-5.56	4.9	-3.53	34.67	150	100
2018-07-16 13:45:00	-9.14	-9.53	-2.09	-11.29	-2.27	37.46	150	100
2018-07-16 14:00:00	-3.96	-5.88	5.91	-8.62	0.27	34.46	150	100
2018-07-16 14:15:00	-9.75	-9.4	-3.34	-10.02	-9.95	38.24	150	100
2018-07-16 14:30:00	-9.77	-4.64	-9.33	-11.3	-5.58	37.6	150	100
2018-07-16 14:45:00	-5.7	-5.22	-0.96	-9.71	-4.5	33.08	150	100
2018-07-16 15:00:00	-5.02	-6.44	-0.5	-10.44	-5.02	33.23	150	100
2018-07-16 15:15:00	-5.62	-5.83	-3.25	-10.58	-7.39	32.09	150	100
2018-07-16 15:30:00	-22.16	-22.43	-21.79	-27.43	-24.26	49.5	150	100
2018-07-16 15:45:00	-4.52	-3.92	-3.76	-8.21	-5.59	32.86	150	100
2018-07-16 16:00:00	-5.12	-5.06	-6.93	-9.61	-6.87	34.14	150	100
2018-07-16 16:15:00	-3.88	-4.88	-7.45	-9.56	-6.14	32.69	150	100
2018-07-16 16:30:00							150	100
2018-07-16 16:45:00							150	100

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 10:35:58 16-Jul-2018
"Max STEL   ", 32.615700
"Max STEL @ ", 11:55:53 16-Jul-2018
"Avg point ", 27.619669
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"ALARM_LEVEL(mg) ", 0.100000
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"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
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1, 17.77, 22.1, 80, 738, 01 , 08:25:03, 16-Jul-2018
2, 21.01, 23.1, 80, 738, 00 , 08:40:03, 16-Jul-2018
3, 18.72, 23.9, 79, 738, 00 , 08:55:03, 16-Jul-2018
4, 21.25, 25.4, 74, 738, 00 , 09:10:03, 16-Jul-2018
5, 24.15, 26.4, 70, 738, 00 , 09:25:03, 16-Jul-2018
6, 24.12, 27.1, 69, 738, 00 , 09:40:03, 16-Jul-2018
7, 25.33, 28.8, 64, 738, 00 , 09:55:03, 16-Jul-2018
8, 26.63, 30.7, 58, 738, 00 , 10:10:03, 16-Jul-2018
9, 27.06, 32.2, 53, 738, 00 , 10:25:03, 16-Jul-2018
10, 29.06, 33.0, 51, 738, 00 , 10:40:03, 16-Jul-2018
11, 28.35, 34.0, 49, 738, 00 , 10:55:03, 16-Jul-2018
12, 29.43, 35.2, 46, 738, 00 , 11:10:03, 16-Jul-2018
13, 30.50, 36.1, 43, 738, 00 , 11:25:03, 16-Jul-2018
14, 30.84, 37.3, 39, 738, 00 , 11:40:03, 16-Jul-2018
15, 32.38, 37.5, 39, 738, 00 , 11:55:03, 16-Jul-2018
16, 31.67, 37.2, 40, 738, 00 , 12:10:03, 16-Jul-2018
17, 31.11, 37.5, 37, 738, 00 , 12:25:03, 16-Jul-2018
18, 31.43, 38.1, 37, 738, 00 , 12:40:03, 16-Jul-2018
19, 30.41, 38.9, 35, 738, 00 , 12:55:03, 16-Jul-2018
20, 29.59, 40.3, 32, 736, 00 , 13:10:03, 16-Jul-2018
21, 28.31, 41.2, 29, 736, 00 , 13:25:03, 16-Jul-2018
22, 28.30, 41.8, 28, 736, 00 , 13:40:03, 16-Jul-2018
23, 28.32, 42.4, 27, 736, 00 , 13:55:03, 16-Jul-2018
24, 30.50, 42.9, 27, 736, 00 , 14:10:03, 16-Jul-2018
25, 28.49, 42.9, 26, 736, 00 , 14:25:03, 16-Jul-2018
26, 27.83, 43.3, 25, 736, 00 , 14:40:03, 16-Jul-2018
27, 27.38, 43.6, 24, 736, 00 , 14:55:03, 16-Jul-2018
28, 28.21, 42.4, 25, 736, 00 , 15:10:03, 16-Jul-2018
29, 26.47, 42.9, 25, 736, 00 , 15:25:03, 16-Jul-2018
30, 27.34, 43.2, 24, 736, 00 , 15:40:03, 16-Jul-2018
31, 28.34, 43.2, 25, 736, 00 , 15:55:03, 16-Jul-2018
32, 29.02, 43.3, 25, 736, 00 , 16:10:03, 16-Jul-2018
33, 28.81, 43.0, 25, 736, 00 , 16:25:03, 16-Jul-2018
34, 28.71, 42.7, 25, 736, 00 , 16:40:03, 16-Jul-2018
35, 29.85, 41.1, 27, 736, 00 , 16:55:03, 16-Jul-2018

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"Max STEL ", 34.588590
"Max STEL @ ", 13:33:13 16-Jul-2018
"Avg point ", 28.234992
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"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 19.26, 23.4, 78, 738, 00 , 08:25:03, 16-Jul-2018
2, 25.28, 24.9, 72, 738, 00 , 08:40:03, 16-Jul-2018
3, 22.32, 26.4, 68, 738, 00 , 08:55:03, 16-Jul-2018
4, 24.80, 29.0, 59, 738, 00 , 09:10:03, 16-Jul-2018
5, 26.62, 31.0, 54, 738, 00 , 09:25:03, 16-Jul-2018
6, 27.70, 32.2, 52, 740, 00 , 09:40:03, 16-Jul-2018
7, 27.39, 34.2, 47, 740, 00 , 09:55:03, 16-Jul-2018
8, 27.30, 36.4, 43, 740, 00 , 10:10:03, 16-Jul-2018
9, 31.08, 37.5, 41, 740, 00 , 10:25:03, 16-Jul-2018
10, 27.42, 38.9, 39, 740, 00 , 10:40:03, 16-Jul-2018
11, 26.39, 40.2, 36, 740, 00 , 10:55:03, 16-Jul-2018
12, 27.93, 41.1, 35, 740, 00 , 11:10:03, 16-Jul-2018
13, 30.67, 41.8, 33, 740, 00 , 11:25:03, 16-Jul-2018
14, 30.75, 42.5, 30, 740, 00 , 11:40:03, 16-Jul-2018
15, 31.34, 42.7, 32, 740, 00 , 11:55:03, 16-Jul-2018
16, 31.87, 43.4, 30, 740, 00 , 12:10:03, 16-Jul-2018
17, 29.77, 43.5, 29, 740, 00 , 12:25:03, 16-Jul-2018
18, 31.66, 44.2, 28, 740, 00 , 12:40:03, 16-Jul-2018
19, 30.95, 44.7, 28, 738, 00 , 12:55:03, 16-Jul-2018
20, 28.25, 45.6, 25, 738, 00 , 13:10:03, 16-Jul-2018
21, 32.05, 46.2, 24, 738, 00 , 13:25:03, 16-Jul-2018
22, 30.04, 46.9, 23, 738, 00 , 13:40:03, 16-Jul-2018
23, 27.93, 47.6, 22, 738, 00 , 13:55:03, 16-Jul-2018
24, 28.58, 46.8, 24, 738, 00 , 14:10:03, 16-Jul-2018
25, 28.84, 46.7, 24, 738, 00 , 14:25:03, 16-Jul-2018
26, 32.96, 46.4, 22, 738, 00 , 14:40:03, 16-Jul-2018
27, 27.86, 45.4, 23, 738, 00 , 14:55:03, 16-Jul-2018
28, 26.79, 44.9, 23, 738, 00 , 15:10:03, 16-Jul-2018
29, 26.26, 44.6, 24, 738, 00 , 15:25:03, 16-Jul-2018
30, 27.07, 44.9, 24, 738, 00 , 15:40:03, 16-Jul-2018
31, 28.94, 45.0, 24, 738, 00 , 15:55:03, 16-Jul-2018
32, 29.08, 44.7, 24, 738, 00 , 16:10:03, 16-Jul-2018
33, 27.81, 44.6, 24, 738, 00 , 16:25:03, 16-Jul-2018
34, 27.69, 44.8, 25, 736, 00 , 16:40:03, 16-Jul-2018
35, 27.60, 44.3, 24, 736, 00 , 16:55:03, 16-Jul-2018

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"Max Disp @ ", 13:59:20 16-Jul-2018
"Max STEL ", 43.671269
"Max STEL @ ", 14:12:03 16-Jul-2018
"Avg point ", 27.366397
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 18.33, 22.4, 82, 738, 01 , 08:25:03, 16-Jul-2018
2, 19.22, 23.1, 83, 738, 00 , 08:40:03, 16-Jul-2018
3, 16.41, 23.8, 82, 738, 00 , 08:55:03, 16-Jul-2018
4, 18.80, 24.4, 80, 738, 00 , 09:10:03, 16-Jul-2018
5, 20.04, 24.9, 79, 738, 00 , 09:25:03, 16-Jul-2018
6, 19.91, 25.2, 79, 738, 00 , 09:40:03, 16-Jul-2018
7, 28.79, 25.7, 78, 738, 00 , 09:55:03, 16-Jul-2018
8, 25.42, 26.5, 78, 738, 00 , 10:10:03, 16-Jul-2018
9, 19.76, 27.4, 76, 738, 00 , 10:25:03, 16-Jul-2018
10, 28.57, 28.6, 72, 738, 00 , 10:40:03, 16-Jul-2018
11, 28.22, 30.2, 67, 738, 00 , 10:55:03, 16-Jul-2018
12, 25.23, 31.9, 62, 738, 00 , 11:10:03, 16-Jul-2018
13, 26.42, 33.8, 59, 738, 00 , 11:25:03, 16-Jul-2018
14, 27.81, 36.2, 51, 738, 00 , 11:40:03, 16-Jul-2018
15, 31.19, 37.3, 44, 738, 00 , 11:55:03, 16-Jul-2018
16, 30.64, 38.3, 44, 738, 00 , 12:10:03, 16-Jul-2018
17, 30.00, 39.2, 40, 738, 00 , 12:25:03, 16-Jul-2018
18, 28.85, 40.2, 38, 738, 00 , 12:40:03, 16-Jul-2018
19, 30.71, 40.8, 35, 738, 00 , 12:55:03, 16-Jul-2018
20, 30.23, 41.5, 35, 738, 00 , 13:10:03, 16-Jul-2018
21, 28.86, 42.0, 30, 738, 00 , 13:25:03, 16-Jul-2018
22, 29.11, 42.3, 30, 738, 00 , 13:40:03, 16-Jul-2018
23, 35.37, 43.1, 28, 738, 00 , 13:55:03, 16-Jul-2018
24, 40.37, 43.1, 30, 738, 00 , 14:10:03, 16-Jul-2018
25, 34.90, 43.7, 27, 738, 00 , 14:25:03, 16-Jul-2018
26, 28.27, 43.9, 25, 738, 00 , 14:40:03, 16-Jul-2018
27, 32.12, 43.9, 25, 738, 00 , 14:55:03, 16-Jul-2018
28, 32.73, 44.0, 25, 736, 00 , 15:10:03, 16-Jul-2018
29, 28.84, 44.3, 24, 736, 00 , 15:25:03, 16-Jul-2018
30, 27.71, 45.1, 24, 736, 00 , 15:40:03, 16-Jul-2018
31, 29.10, 45.8, 23, 736, 00 , 15:55:03, 16-Jul-2018
32, 27.21, 46.4, 22, 736, 00 , 16:10:03, 16-Jul-2018
33, 25.24, 46.8, 22, 736, 00 , 16:25:03, 16-Jul-2018
34, 26.04, 47.2, 22, 736, 00 , 16:40:03, 16-Jul-2018

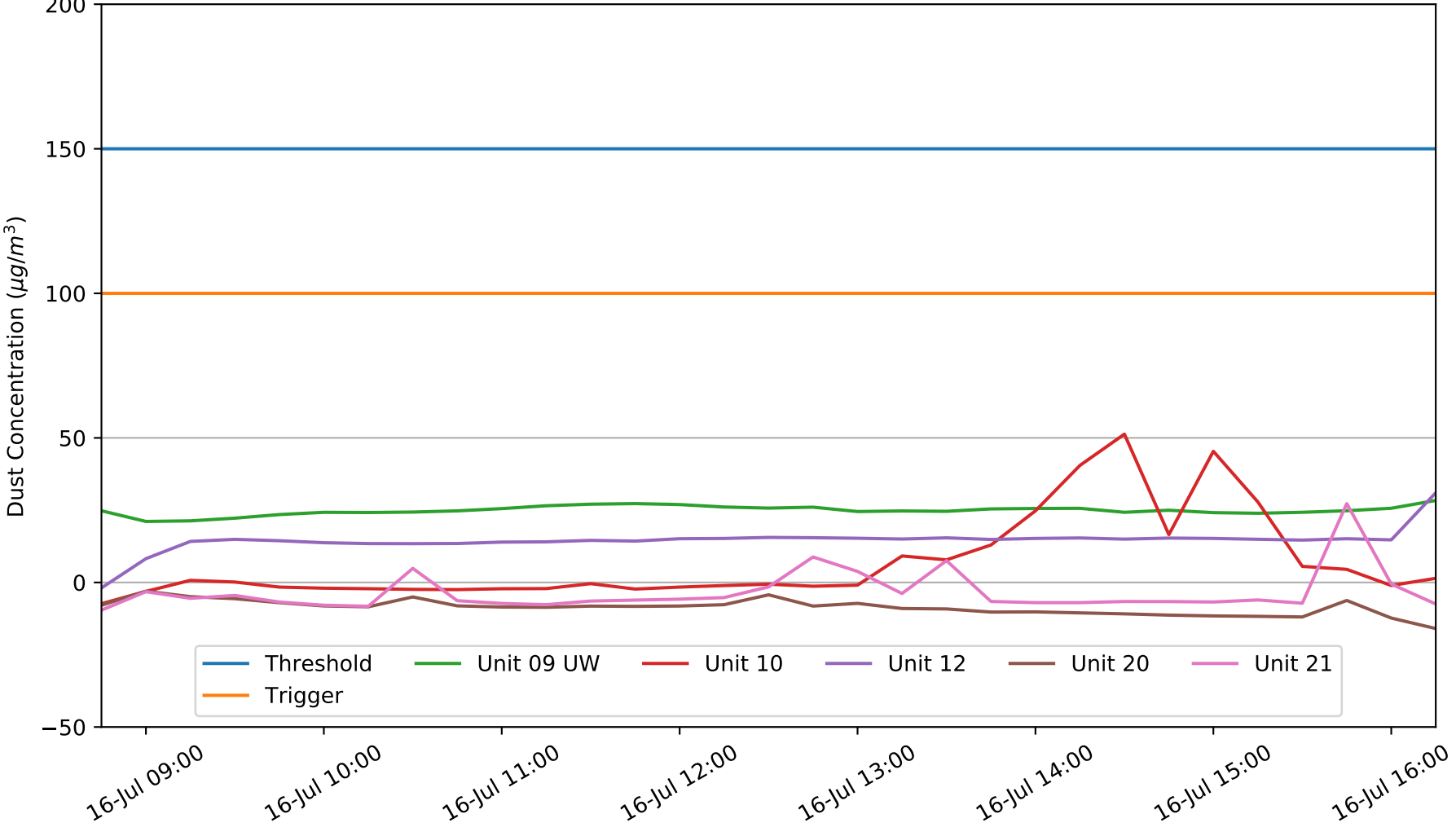
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3, 22.84, 20.9, 72, 740, 00 , 08:55:03, 16-Jul-2018
4, 22.33, 22.8, 65, 740, 00 , 09:10:03, 16-Jul-2018
5, 25.30, 24.0, 62, 740, 02 , 09:25:03, 16-Jul-2018
6, 25.94, 25.0, 60, 740, 02 , 09:40:03, 16-Jul-2018
7, 29.64, 26.9, 55, 740, 02 , 09:55:03, 16-Jul-2018
8, 26.59, 28.5, 51, 740, 02 , 10:10:03, 16-Jul-2018
9, 27.77, 29.5, 47, 740, 02 , 10:25:03, 16-Jul-2018
10, 27.42, 30.3, 45, 740, 02 , 10:40:03, 16-Jul-2018
11, 29.98, 31.4, 44, 740, 02 , 10:55:03, 16-Jul-2018
12, 26.31, 32.3, 43, 740, 02 , 11:10:03, 16-Jul-2018
13, 28.74, 33.3, 40, 740, 02 , 11:25:03, 16-Jul-2018
14, 28.86, 34.4, 36, 740, 02 , 11:40:03, 16-Jul-2018
15, 35.86, 34.8, 36, 740, 02 , 11:55:03, 16-Jul-2018
16, 33.92, 34.8, 37, 740, 02 , 12:10:03, 16-Jul-2018
17, 27.90, 35.1, 34, 740, 02 , 12:25:03, 16-Jul-2018
18, 32.76, 35.7, 33, 740, 02 , 12:40:03, 16-Jul-2018
19, 31.51, 36.6, 31, 740, 02 , 12:55:03, 16-Jul-2018
20, 38.53, 37.9, 29, 740, 02 , 13:10:03, 16-Jul-2018
21, 25.50, 38.9, 26, 740, 02 , 13:25:03, 16-Jul-2018
22, 39.57, 40.0, 24, 740, 02 , 13:40:03, 16-Jul-2018
23, 26.17, 40.9, 22, 740, 02 , 13:55:03, 16-Jul-2018
24, 25.84, 40.7, 23, 738, 02 , 14:10:03, 16-Jul-2018
25, 28.22, 41.0, 22, 738, 02 , 14:25:03, 16-Jul-2018
26, 26.30, 41.4, 20, 738, 02 , 14:40:03, 16-Jul-2018
27, 23.37, 41.0, 21, 738, 02 , 14:55:03, 16-Jul-2018
28, 22.79, 40.4, 21, 738, 02 , 15:10:03, 16-Jul-2018
29, 21.51, 40.3, 21, 738, 02 , 15:25:03, 16-Jul-2018
30, 22.07, 40.4, 21, 738, 02 , 15:40:03, 16-Jul-2018
31, 24.65, 40.3, 22, 738, 02 , 15:55:03, 16-Jul-2018
32, 24.53, 39.9, 22, 738, 02 , 16:10:03, 16-Jul-2018
33, 23.13, 39.5, 22, 738, 02 , 16:25:03, 16-Jul-2018
34, 23.17, 39.5, 23, 738, 02 , 16:40:03, 16-Jul-2018

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"Max STEL   ", 52.397947
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3, 17.75, 23.6, 77, 738, 00 , 08:55:03, 16-Jul-2018
4, 22.44, 24.7, 74, 738, 00 , 09:10:03, 16-Jul-2018
5, 23.79, 25.7, 70, 736, 00 , 09:25:03, 16-Jul-2018
6, 23.65, 26.3, 69, 738, 00 , 09:40:03, 16-Jul-2018
7, 24.25, 27.1, 67, 736, 00 , 09:55:03, 16-Jul-2018
8, 28.06, 28.1, 64, 736, 00 , 10:10:03, 16-Jul-2018
9, 30.21, 29.3, 60, 736, 00 , 10:25:03, 16-Jul-2018
10, 28.09, 30.4, 58, 736, 00 , 10:40:03, 16-Jul-2018
11, 27.00, 31.3, 55, 736, 00 , 10:55:03, 16-Jul-2018
12, 32.47, 32.4, 52, 736, 00 , 11:10:03, 16-Jul-2018
13, 50.15, 33.8, 48, 736, 00 , 11:25:03, 16-Jul-2018
14, 31.72, 35.5, 42, 736, 00 , 11:40:03, 16-Jul-2018
15, 34.18, 36.4, 40, 736, 00 , 11:55:03, 16-Jul-2018
16, 32.03, 36.8, 39, 736, 00 , 12:10:03, 16-Jul-2018
17, 28.22, 37.2, 36, 736, 00 , 12:25:03, 16-Jul-2018
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20, 36.78, 38.8, 32, 736, 00 , 13:10:03, 16-Jul-2018
21, 28.99, 39.7, 29, 736, 00 , 13:25:03, 16-Jul-2018
22, 31.14, 40.1, 28, 736, 00 , 13:40:03, 16-Jul-2018
23, 35.19, 41.0, 26, 736, 00 , 13:55:03, 16-Jul-2018
24, 34.73, 42.2, 26, 736, 00 , 14:10:03, 16-Jul-2018
25, 28.29, 44.1, 22, 736, 00 , 14:25:03, 16-Jul-2018
26, 32.02, 46.0, 18, 734, 00 , 14:40:03, 16-Jul-2018
27, 28.58, 46.8, 18, 734, 00 , 14:55:03, 16-Jul-2018
28, 28.21, 47.5, 17, 734, 00 , 15:10:03, 16-Jul-2018
29, 24.70, 48.2, 15, 734, 00 , 15:25:03, 16-Jul-2018
30, 25.24, 49.4, 15, 734, 00 , 15:40:03, 16-Jul-2018
31, 27.27, 50.0, 15, 734, 00 , 15:55:03, 16-Jul-2018
32, 27.27, 50.7, 14, 734, 00 , 16:10:03, 16-Jul-2018
33, 26.55, 51.0, 14, 734, 00 , 16:25:03, 16-Jul-2018
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35, 27.08, 50.4, 14, 734, 00 , 16:55:03, 16-Jul-2018

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"Max STEL @ ", 15:40:13 16-Jul-2018
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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 24.76, 23.6, 78, 740, 01 , 08:25:03, 16-Jul-2018
2, 28.27, 24.8, 76, 740, 01 , 08:40:03, 16-Jul-2018
3, 24.92, 25.9, 73, 740, 01 , 08:55:03, 16-Jul-2018
4, 28.27, 27.8, 67, 740, 01 , 09:10:03, 16-Jul-2018
5, 30.36, 29.0, 63, 740, 01 , 09:25:03, 16-Jul-2018
6, 32.47, 30.0, 60, 740, 01 , 09:40:03, 16-Jul-2018
7, 32.87, 32.2, 54, 740, 01 , 09:55:03, 16-Jul-2018
8, 34.70, 33.7, 50, 740, 01 , 10:10:03, 16-Jul-2018
9, 43.94, 34.7, 49, 740, 01 , 10:25:03, 16-Jul-2018
10, 35.28, 35.7, 47, 740, 01 , 10:40:03, 16-Jul-2018
11, 32.48, 36.8, 44, 740, 01 , 10:55:03, 16-Jul-2018
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13, 36.74, 39.0, 39, 740, 01 , 11:25:03, 16-Jul-2018
14, 35.47, 40.2, 35, 740, 01 , 11:40:03, 16-Jul-2018
15, 38.02, 40.3, 35, 740, 01 , 11:55:03, 16-Jul-2018
16, 40.76, 40.5, 35, 740, 01 , 12:10:03, 16-Jul-2018
17, 36.16, 40.8, 33, 740, 01 , 12:25:03, 16-Jul-2018
18, 35.26, 41.2, 32, 740, 01 , 12:40:03, 16-Jul-2018
19, 37.49, 41.8, 32, 740, 01 , 12:55:03, 16-Jul-2018
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21, 38.50, 42.6, 27, 740, 01 , 13:25:03, 16-Jul-2018
22, 34.67, 42.8, 27, 740, 01 , 13:40:03, 16-Jul-2018
23, 37.46, 43.2, 27, 740, 01 , 13:55:03, 16-Jul-2018
24, 34.46, 42.8, 28, 740, 01 , 14:10:03, 16-Jul-2018
25, 38.24, 42.7, 27, 738, 01 , 14:25:03, 16-Jul-2018
26, 37.60, 42.5, 25, 738, 01 , 14:40:03, 16-Jul-2018
27, 33.08, 42.4, 26, 738, 01 , 14:55:03, 16-Jul-2018
28, 33.23, 42.2, 26, 738, 01 , 15:10:03, 16-Jul-2018
29, 32.09, 42.1, 26, 738, 01 , 15:25:03, 16-Jul-2018
30, 49.50, 42.6, 25, 738, 01 , 15:40:03, 16-Jul-2018
31, 32.86, 43.0, 25, 738, 01 , 15:55:03, 16-Jul-2018
32, 34.14, 43.5, 25, 738, 01 , 16:10:03, 16-Jul-2018
33, 32.69, 44.0, 24, 738, 01 , 16:25:03, 16-Jul-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 16-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 16-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 10	Unit 12	Unit 09 UW	Unit 20	Unit 21	Threshold	Trigger
2018-07-16 08:45:00	-7.35	-1.9	24.8	-7.88	-9.58	150	100
2018-07-16 09:00:00	-3.09	8.23	21.1	-3.03	-3.19	150	100
2018-07-16 09:15:00	0.73	14.2	21.31	-4.91	-5.48	150	100
2018-07-16 09:30:00	0.14	14.91	22.24	-5.61	-4.5	150	100
2018-07-16 09:45:00	-1.6	14.44	23.48	-6.99	-6.78	150	100
2018-07-16 10:00:00	-1.98	13.75	24.26	-8.12	-7.88	150	100
2018-07-16 10:15:00	-2.16	13.44	24.19	-8.42	-8.24	150	100
2018-07-16 10:30:00	-2.39	13.42	24.35	-5.01	4.87	150	100
2018-07-16 10:45:00	-2.47	13.47	24.76	-8.09	-6.31	150	100
2018-07-16 11:00:00	-2.17	13.96	25.54	-8.5	-7.26	150	100
2018-07-16 11:15:00	-2.12	14.05	26.53	-8.59	-7.68	150	100
2018-07-16 11:30:00	-0.42	14.56	27.07	-8.18	-6.43	150	100
2018-07-16 11:45:00	-2.28	14.31	27.28	-8.27	-6.1	150	100
2018-07-16 12:00:00	-1.6	15.13	26.94	-8.15	-5.78	150	100
2018-07-16 12:15:00	-1.07	15.22	26.1	-7.69	-5.23	150	100
2018-07-16 12:30:00	-0.6	15.58	25.72	-4.28	-1.53	150	100
2018-07-16 12:45:00	-1.3	15.48	26.04	-8.17	8.81	150	100
2018-07-16 13:00:00	-0.93	15.29	24.53	-7.23	3.81	150	100
2018-07-16 13:15:00	9.16	15.02	24.73	-9.01	-3.82	150	100
2018-07-16 13:30:00	7.82	15.43	24.61	-9.16	7.54	150	100
2018-07-16 13:45:00	12.96	14.87	25.44	-10.24	-6.57	150	100
2018-07-16 14:00:00	24.78	15.23	25.59	-10.18	-6.98	150	100
2018-07-16 14:15:00	40.48	15.39	25.64	-10.52	-6.98	150	100
2018-07-16 14:30:00	51.3	14.99	24.27	-10.86	-6.59	150	100
2018-07-16 14:45:00	16.54	15.35	24.98	-11.3	-6.61	150	100
2018-07-16 15:00:00	45.37	15.23	24.15	-11.57	-6.76	150	100
2018-07-16 15:15:00	27.86	14.93	23.93	-11.72	-6.05	150	100
2018-07-16 15:30:00	5.57	14.65	24.27	-11.93	-7.18	150	100
2018-07-16 15:45:00	4.53	15.12	24.81	-6.23	27.27	150	100
2018-07-16 16:00:00	-1.05	14.73	25.66	-12.31	-0.55	150	100
2018-07-16 16:15:00	1.43	31.01	28.37	-15.94	-7.45	150	100

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"Unit ", 0
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"RH CORRECT ", "ENABLED "
"Max Disp ", 161.617160
"Max Disp @ ", 13:53:05 16-Jul-2018
"Max STEL ", 84.417219
"Max STEL @ ", 15:14:43 16-Jul-2018
"Avg point ", 31.830652
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
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2, 18.01, 25.3, 69, 738, 00 , 09:10:03, 16-Jul-2018
3, 22.04, 27.9, 60, 738, 00 , 09:25:03, 16-Jul-2018
4, 22.38, 29.3, 56, 738, 00 , 09:40:03, 16-Jul-2018
5, 21.88, 31.8, 49, 738, 00 , 09:55:03, 16-Jul-2018
6, 22.28, 33.9, 44, 738, 00 , 10:10:03, 16-Jul-2018
7, 22.03, 34.8, 42, 738, 00 , 10:25:03, 16-Jul-2018
8, 21.96, 35.3, 41, 738, 00 , 10:40:03, 16-Jul-2018
9, 22.29, 36.3, 40, 738, 00 , 10:55:03, 16-Jul-2018
10, 23.37, 37.2, 39, 738, 00 , 11:10:03, 16-Jul-2018
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12, 26.65, 38.5, 36, 738, 00 , 11:40:03, 16-Jul-2018
13, 25.00, 38.0, 35, 738, 00 , 11:55:03, 16-Jul-2018
14, 25.34, 37.9, 35, 738, 00 , 12:10:03, 16-Jul-2018
15, 25.03, 38.3, 33, 738, 00 , 12:25:03, 16-Jul-2018
16, 25.12, 38.5, 34, 738, 00 , 12:40:03, 16-Jul-2018
17, 24.74, 38.9, 33, 736, 00 , 12:55:03, 16-Jul-2018
18, 23.60, 39.2, 31, 736, 00 , 13:10:03, 16-Jul-2018
19, 33.89, 39.9, 29, 736, 00 , 13:25:03, 16-Jul-2018
20, 32.43, 40.6, 28, 736, 00 , 13:40:03, 16-Jul-2018
21, 38.40, 41.2, 27, 736, 00 , 13:55:03, 16-Jul-2018
22, 50.37, 40.9, 28, 736, 00 , 14:10:03, 16-Jul-2018
23, 66.12, 40.9, 28, 736, 00 , 14:25:03, 16-Jul-2018
24, 75.57, 41.2, 26, 736, 00 , 14:40:03, 16-Jul-2018
25, 41.52, 41.4, 26, 736, 00 , 14:55:03, 16-Jul-2018
26, 69.52, 41.2, 26, 736, 00 , 15:10:03, 16-Jul-2018
27, 51.79, 41.2, 25, 736, 00 , 15:25:03, 16-Jul-2018
28, 29.84, 41.3, 25, 736, 00 , 15:40:03, 16-Jul-2018
29, 29.34, 41.6, 25, 736, 00 , 15:55:03, 16-Jul-2018
30, 24.61, 41.7, 25, 736, 00 , 16:10:03, 16-Jul-2018
31, 29.80, 41.8, 25, 736, 00 , 16:25:03, 16-Jul-2018

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 16:18:18 16-Jul-2018
"Max STEL   ", 59.586015
"Max STEL @ ", 16:18:43 16-Jul-2018
"Avg point ", 39.424534
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
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2, 29.33, 24.0, 68, 740, 00 , 09:10:03, 16-Jul-2018
3, 35.51, 27.2, 58, 740, 00 , 09:25:03, 16-Jul-2018
4, 37.15, 29.0, 54, 740, 00 , 09:40:03, 16-Jul-2018
5, 37.92, 32.0, 47, 740, 00 , 09:55:03, 16-Jul-2018
6, 38.01, 34.4, 42, 740, 00 , 10:10:03, 16-Jul-2018
7, 37.63, 35.7, 39, 740, 00 , 10:25:03, 16-Jul-2018
8, 37.77, 36.5, 38, 740, 00 , 10:40:03, 16-Jul-2018
9, 38.23, 37.7, 37, 740, 00 , 10:55:03, 16-Jul-2018
10, 39.50, 38.4, 36, 740, 00 , 11:10:03, 16-Jul-2018
11, 40.58, 39.3, 35, 740, 00 , 11:25:03, 16-Jul-2018
12, 41.63, 40.0, 34, 740, 01 , 11:40:03, 16-Jul-2018
13, 41.59, 39.3, 34, 740, 00 , 11:55:03, 16-Jul-2018
14, 42.07, 39.1, 34, 740, 00 , 12:10:03, 16-Jul-2018
15, 41.32, 40.2, 31, 740, 00 , 12:25:03, 16-Jul-2018
16, 41.30, 40.6, 31, 740, 00 , 12:40:03, 16-Jul-2018
17, 41.52, 40.8, 31, 740, 00 , 12:55:03, 16-Jul-2018
18, 39.82, 40.6, 30, 740, 01 , 13:10:03, 16-Jul-2018
19, 39.75, 41.1, 28, 740, 00 , 13:25:03, 16-Jul-2018
20, 40.04, 41.1, 28, 738, 01 , 13:40:03, 16-Jul-2018
21, 40.31, 41.0, 28, 738, 01 , 13:55:03, 16-Jul-2018
22, 40.82, 40.6, 29, 738, 01 , 14:10:03, 16-Jul-2018
23, 41.03, 40.5, 29, 738, 01 , 14:25:03, 16-Jul-2018
24, 39.26, 40.5, 27, 738, 01 , 14:40:03, 16-Jul-2018
25, 40.33, 40.7, 28, 738, 01 , 14:55:03, 16-Jul-2018
26, 39.38, 40.5, 27, 738, 01 , 15:10:03, 16-Jul-2018
27, 38.86, 40.3, 27, 738, 01 , 15:25:03, 16-Jul-2018
28, 38.92, 40.7, 27, 738, 01 , 15:40:03, 16-Jul-2018
29, 39.93, 40.9, 27, 738, 01 , 15:55:03, 16-Jul-2018
30, 40.39, 41.2, 27, 738, 01 , 16:10:03, 16-Jul-2018
31, 59.38, 41.7, 27, 738, 00 , 16:25:03, 16-Jul-2018

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 16:17:48 16-Jul-2018
"Max STEL   ", 28.752268
"Max STEL @ ", 16:19:23 16-Jul-2018
"Avg point ", 24.926059
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 24.80, 23.3, 68, 738, 03 , 08:55:03, 16-Jul-2018
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3, 21.31, 27.5, 70, 738, 00 , 09:25:03, 16-Jul-2018
4, 22.24, 28.7, 67, 738, 00 , 09:40:03, 16-Jul-2018
5, 23.48, 29.9, 61, 738, 00 , 09:55:03, 16-Jul-2018
6, 24.26, 31.4, 58, 738, 00 , 10:10:03, 16-Jul-2018
7, 24.19, 32.4, 56, 738, 00 , 10:25:03, 16-Jul-2018
8, 24.35, 33.3, 54, 738, 00 , 10:40:03, 16-Jul-2018
9, 24.76, 34.6, 52, 738, 00 , 10:55:03, 16-Jul-2018
10, 25.54, 35.6, 52, 738, 00 , 11:10:03, 16-Jul-2018
11, 26.53, 36.9, 50, 738, 00 , 11:25:03, 16-Jul-2018
12, 27.07, 38.2, 46, 738, 00 , 11:40:03, 16-Jul-2018
13, 27.28, 38.6, 43, 738, 00 , 11:55:03, 16-Jul-2018
14, 26.94, 39.4, 44, 738, 00 , 12:10:03, 16-Jul-2018
15, 26.10, 40.7, 40, 738, 00 , 12:25:03, 16-Jul-2018
16, 25.72, 41.7, 32, 738, 00 , 12:40:03, 16-Jul-2018
17, 26.04, 41.8, 30, 738, 00 , 12:55:03, 16-Jul-2018
18, 24.53, 42.2, 32, 738, 00 , 13:10:03, 16-Jul-2018
19, 24.73, 42.5, 30, 738, 00 , 13:25:03, 16-Jul-2018
20, 24.61, 42.9, 30, 738, 00 , 13:40:03, 16-Jul-2018
21, 25.44, 43.0, 29, 736, 00 , 13:55:03, 16-Jul-2018
22, 25.59, 42.5, 31, 736, 00 , 14:10:03, 16-Jul-2018
23, 25.64, 42.7, 30, 736, 00 , 14:25:03, 16-Jul-2018
24, 24.27, 42.9, 28, 736, 00 , 14:40:03, 16-Jul-2018
25, 24.98, 43.0, 28, 736, 00 , 14:55:03, 16-Jul-2018
26, 24.15, 42.8, 28, 736, 00 , 15:10:03, 16-Jul-2018
27, 23.93, 42.4, 28, 736, 00 , 15:25:03, 16-Jul-2018
28, 24.27, 42.6, 28, 736, 00 , 15:40:03, 16-Jul-2018
29, 24.81, 43.0, 28, 736, 00 , 15:55:03, 16-Jul-2018
30, 25.66, 43.2, 28, 736, 00 , 16:10:03, 16-Jul-2018
31, 28.37, 43.4, 28, 736, 00 , 16:25:03, 16-Jul-2018

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 15:55:36 16-Jul-2018
"Max STEL ", 21.496863
"Max STEL @ ", 12:41:03 16-Jul-2018
"Avg point ", 16.277958
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
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3, 16.40, 22.0, 74, 740, 00 , 09:25:03, 16-Jul-2018
4, 16.63, 22.4, 74, 740, 00 , 09:40:03, 16-Jul-2018
5, 16.49, 23.0, 72, 740, 00 , 09:55:03, 16-Jul-2018
6, 16.14, 23.6, 72, 740, 00 , 10:10:03, 16-Jul-2018
7, 15.77, 24.4, 71, 740, 00 , 10:25:03, 16-Jul-2018
8, 19.34, 25.2, 68, 738, 00 , 10:40:03, 16-Jul-2018
9, 16.67, 25.9, 66, 738, 00 , 10:55:03, 16-Jul-2018
10, 17.04, 26.8, 64, 738, 00 , 11:10:03, 16-Jul-2018
11, 17.94, 27.9, 61, 738, 00 , 11:25:03, 16-Jul-2018
12, 18.89, 29.1, 56, 738, 00 , 11:40:03, 16-Jul-2018
13, 19.01, 29.7, 52, 738, 00 , 11:55:03, 16-Jul-2018
14, 18.79, 30.4, 50, 738, 00 , 12:10:03, 16-Jul-2018
15, 18.41, 31.1, 45, 738, 00 , 12:25:03, 16-Jul-2018
16, 21.44, 31.7, 44, 738, 00 , 12:40:03, 16-Jul-2018
17, 17.87, 32.2, 42, 738, 00 , 12:55:03, 16-Jul-2018
18, 17.30, 32.8, 38, 738, 00 , 13:10:03, 16-Jul-2018
19, 15.72, 33.2, 35, 738, 00 , 13:25:03, 16-Jul-2018
20, 15.45, 33.9, 33, 738, 00 , 13:40:03, 16-Jul-2018
21, 15.20, 34.8, 31, 738, 00 , 13:55:03, 16-Jul-2018
22, 15.41, 35.2, 34, 738, 00 , 14:10:03, 16-Jul-2018
23, 15.12, 36.0, 28, 738, 00 , 14:25:03, 16-Jul-2018
24, 13.41, 36.5, 25, 736, 00 , 14:40:03, 16-Jul-2018
25, 13.68, 37.3, 24, 736, 00 , 14:55:03, 16-Jul-2018
26, 12.58, 38.0, 23, 736, 00 , 15:10:03, 16-Jul-2018
27, 12.21, 38.0, 22, 736, 00 , 15:25:03, 16-Jul-2018
28, 12.34, 38.2, 22, 736, 00 , 15:40:03, 16-Jul-2018
29, 18.58, 38.7, 22, 736, 00 , 15:55:03, 16-Jul-2018
30, 13.35, 40.1, 19, 736, 00 , 16:10:03, 16-Jul-2018
31, 12.43, 41.4, 18, 736, 00 , 16:25:03, 16-Jul-2018

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"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 15:49:04 16-Jul-2018
"Max STEL ", 53.713236
"Max STEL @ ", 16:01:03 16-Jul-2018
"Avg point ", 21.532226
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
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2, 17.91, 22.0, 75, 740, 00 , 09:10:03, 16-Jul-2018
3, 15.83, 22.9, 73, 740, 00 , 09:25:03, 16-Jul-2018
4, 17.74, 23.4, 71, 740, 00 , 09:40:03, 16-Jul-2018
5, 16.70, 23.9, 71, 740, 00 , 09:55:03, 16-Jul-2018
6, 16.38, 24.7, 70, 740, 00 , 10:10:03, 16-Jul-2018
7, 15.95, 25.7, 67, 740, 00 , 10:25:03, 16-Jul-2018
8, 29.22, 26.3, 65, 740, 00 , 10:40:03, 16-Jul-2018
9, 18.45, 27.2, 64, 738, 00 , 10:55:03, 16-Jul-2018
10, 18.28, 28.0, 62, 738, 00 , 11:10:03, 16-Jul-2018
11, 18.85, 28.8, 60, 738, 00 , 11:25:03, 16-Jul-2018
12, 20.64, 29.9, 55, 738, 00 , 11:40:03, 16-Jul-2018
13, 21.18, 30.4, 52, 738, 00 , 11:55:03, 16-Jul-2018
14, 21.16, 31.1, 50, 738, 00 , 12:10:03, 16-Jul-2018
15, 20.87, 31.8, 45, 738, 00 , 12:25:03, 16-Jul-2018
16, 24.19, 32.6, 43, 738, 00 , 12:40:03, 16-Jul-2018
17, 34.85, 33.4, 43, 738, 00 , 12:55:03, 16-Jul-2018
18, 28.34, 34.5, 36, 738, 00 , 13:10:03, 16-Jul-2018
19, 20.91, 35.4, 33, 738, 00 , 13:25:03, 16-Jul-2018
20, 32.15, 36.5, 31, 738, 00 , 13:40:03, 16-Jul-2018
21, 18.87, 37.7, 28, 738, 00 , 13:55:03, 16-Jul-2018
22, 18.61, 38.0, 30, 738, 00 , 14:10:03, 16-Jul-2018
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DAILY OBSERVATION REPORT

Report No.:	40	Project File:	MN0832D	Date:	7/17/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — *an affiliate of Geosyntec Consultants*

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: James Burnett

Site Representative: Matt Schallinger

Arrive at Site: 0645hrs. Leave Site: 1830 hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Cloudy, damp	am	Increasing Sin	pm
Temperature:	71° F	am	81° F	pm
Wind Direction:	0 SW	am	13 NW	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 40 Project File: MN0832D Date: 7/17/2018

Materials Imported and Removed from Work Areas

Soil Removal:

Total Loads today: 12 Total Loads to date: 168

Weight: ~22 tons/each Total Weight to date: ~4180 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 15

Weight: 0 Tons Total Weight to date: ~293 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: 0 Tons Total Weight to date: 132 Tons

Imported Common Fill:

Total Loads today: Pending Total Loads to date: 159

Weight: ~22 Tons/each Total Weight to date: ~3343 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0645. Attended Recon safety meeting. Matthew Schallinger, Jim Bannatine, Jim Burnett, Lauren Quickel and Elizabeth Lee were on site. MS holds Geosyntec tailgate safety meeting. Review work plan for the day. Discuss wet conditions and construction traffic.
- MS meets with Recon and discusses excavation plan. No backfilling is planned for today.
- Geosyntec and Recon also discuss the plan to evacuate the pooled water in phase 3 from the water line strike.
- LQ and EL calibrate and deploy dust monitors in the MSA and RPL.
- Geosyntec inspects rain controls on K-wing. One pump needed to be troubleshooted.
- Recon excavated 0-6’ bgs non-hazardous material and 4-6’ bgs TSCA material in the western end of phases two and three and transported the material to either the MSA or TSCA accumulation pile.

Report No.:	40	Project File:	MN0832D	Date:	7/17/2018

- A vacuum truck from Principle Enterprises was onsite to collect the pooled water in phase 3. Two loads of water approximately 4,500 gallons each (9,000 gal total) was collected from phase 3 and transported to the MSA for onsite staging in a frac tank before disposal.
- TSCA trucks are loaded on the loading pad, inspected by Geosyntec and Recon and tarped.
- Trucks were pressure washed with water on the decon pad before leaving the site.
- Geosyntec attends Recons weekly progress meeting.
- JB observes loading of TSCA trucks and issues manifests once the trucks have been inspected.
- All trucks leaving the RPL and MSA were decontaminated before entering the haul road.
- An additional meeting was held onsite to discuss the approach and schedule to reinstate the water line and restore water to the school. Geosyntec, Recon and members of the Elmira Water Board, ECSD, Edger and Welliver were all present. A collective plan was developed to isolate the loop, install access vaults on the north and south sides of the break, flush and chlorinate the line, complete confirmatory sampling and restore water to the school by Monday 7/23/18. The water line repairs within the excavation area are expected to be made in early August.

PM

- Recon continues to excavate in phases two and three.
- Turnover of phase one was completed and Jason Plumley of Welliver has accepted control of the area for his work. Geosyntec and Recon will continue to work closely with Welliver and provide any support they may need as we work to complete our projects.
- Recon continues to excavate in phases two and three. A wall has been identified on the western edge of phase 2 and is currently exposed about 15’ long and 3’ in depth.
- Scott Williams of NYSDEC onsite.
- Geosyntec collects characterization samples from pile 105 staged in the RPL and prepares them for shipment.
- 12 TSCA trucks were loaded for shipment today. All trucks were inspected and the tires were pressure washed before leaving the site.
- Recon sprayed water along the haul road and the TSCA accumulation pile several times during the day. Recon sprayed water inside the RPL haul road.
- No dust exceedances were recorded today.
- MS and Recon hold end of day meeting and discuss upcoming activities and planning for tomorrow.
- Recon began covering piles around 1630 and securing the site.
- EL and LQ collect dust monitors and extract data.

Report No.:	40	Project File:	MN0832D	Date:	7/17/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Tom Tanner
- Brian Kilkenny
- Addison Hofferth
- Brian Balog
- Scott Early
- Rich Tonnucour
- (Recon labor) X18

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- 8x40 Office Trailer
- Portable Toilets
- Hand Wash Stations
- ST-197 Dodge Ram Work Truck
- 8x20 Storage Box
- Trimble GPS System (Base, Rover, Data Collector)
- 8x20 Office Trailer
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 Containments
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Vibratory Hammer
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	DEC	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Substantial Completion Date: Welliver accepts control of phase one.
Completion Date: NA

ITEMS OF CONCERN:

- Restoring water to the school is scheduled for Monday 7/23/18 with the current plan in place.
- Construction to start this process will begin first thing tomorrow.

DAILY OBSERVATION REPORT

Report No.:	40	Project File:	MN0832D	Date:	7/17/2018

Site Representative: M. Schallinger

Date: 7/17/2018

Name: (*signature*)



:

Report No.:	40	Project File:	MN0832D	Date:	7/17/2018

Photo Log

Date : 7/17/2018



Recon pumping excess water to the vacuum truck near the water line rupture.



Geosyntec and Recon discuss the vaulting procedure for water line repairs.



Geosyntec inspecting the rain controls.



End of day view of the RPL. Note all water evacuated in phase 3.

DAILY OBSERVATION REPORT

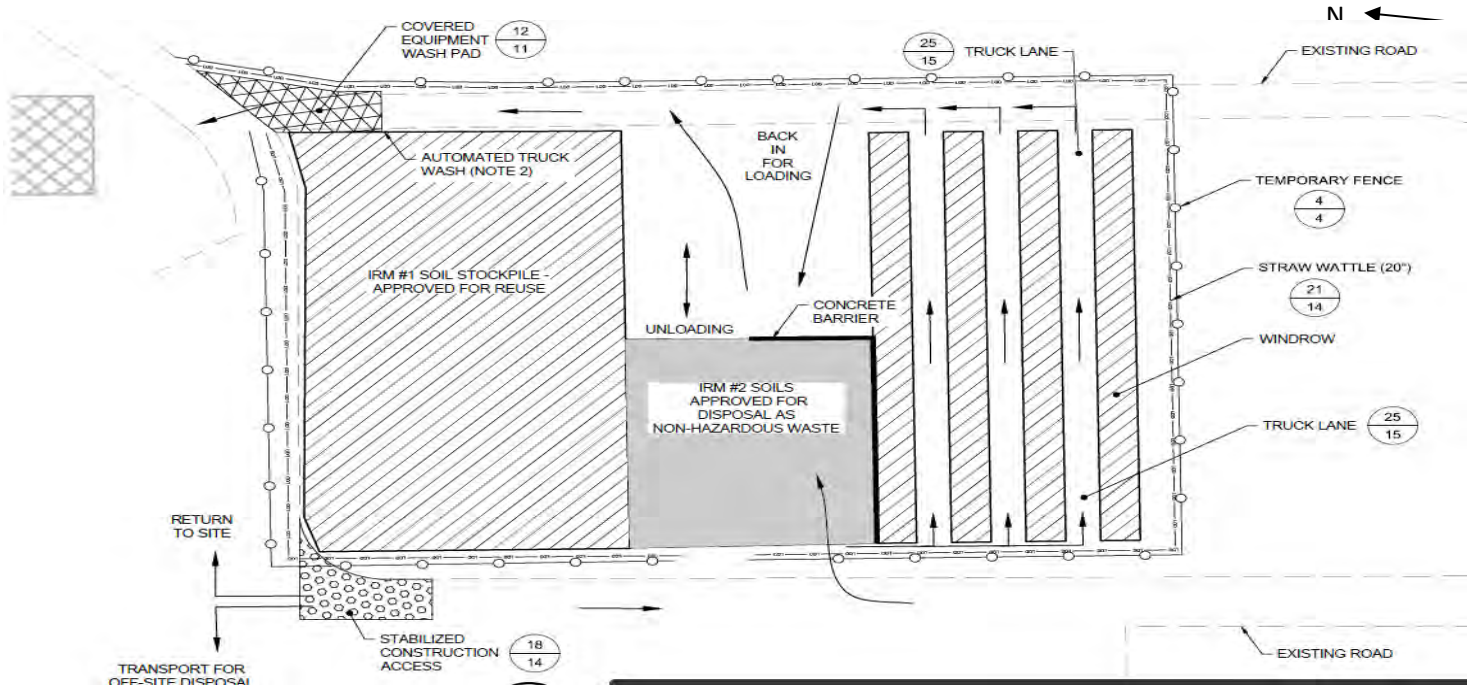
Report No.:	40	Project File:	MN0832D	Date:	7/17/2018

Site Map

Rear Parking Lot

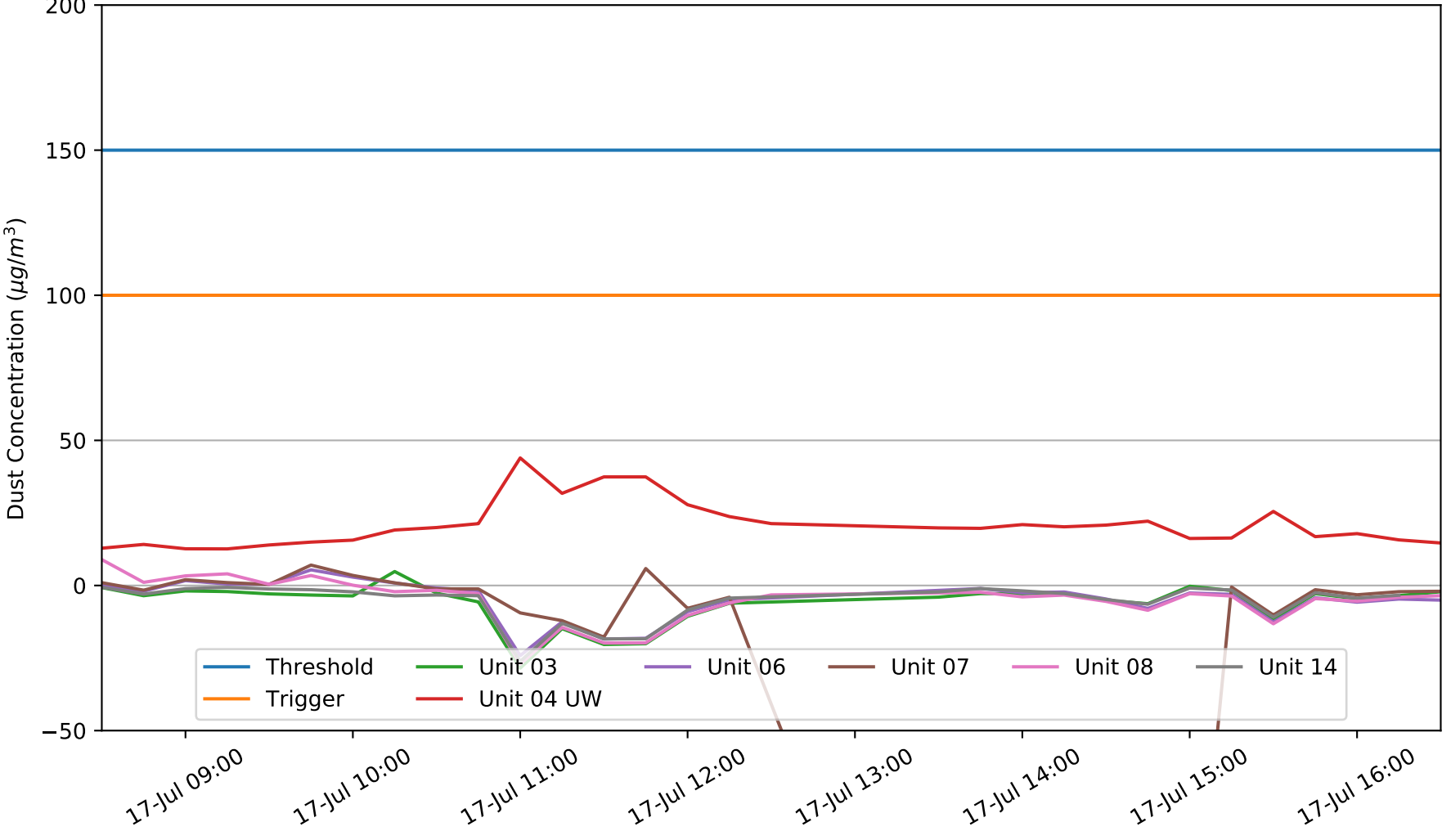


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 17-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 17-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 07	Unit 08	Unit 14	Unit 03	Unit 06	Unit 04 UW	Threshold	Trigger
2018-07-17 08:30:00	0.97	8.92	-0.61	-0.71	-0.03	12.85	150	100
2018-07-17 08:45:00	-1.61	1.08	-2.96	-3.52	-1.96	14.15	150	100
2018-07-17 09:00:00	2	3.32	-1.09	-1.87	1.68	12.65	150	100
2018-07-17 09:15:00	0.99	4.02	-0.64	-2.09	0.51	12.61	150	100
2018-07-17 09:30:00	0.37	0.42	-1.21	-2.89	0.45	13.96	150	100
2018-07-17 09:45:00	7.03	3.44	-1.45	-3.29	5.39	14.95	150	100
2018-07-17 10:00:00	3.47	0.1	-2.19	-3.59	2.88	15.63	150	100
2018-07-17 10:15:00	0.91	-2.13	-3.56	4.81	0.86	19.12	150	100
2018-07-17 10:30:00	-1.17	-1.65	-3.28	-2.64	-0.87	19.97	150	100
2018-07-17 10:45:00	-1.18	-2.81	-3.52	-5.66	-1.74	21.31	150	100
2018-07-17 11:00:00	-9.44	-27.06	-26.18	-28.47	-24.17	43.95	150	100
2018-07-17 11:15:00	-12.11	-14.44	-13.05	-14.87	-12.51	31.75	150	100
2018-07-17 11:30:00	-17.78	-19.81	-18.41	-20.33	-18.45	37.42	150	100
2018-07-17 11:45:00	5.85	-19.77	-18.35	-20.06	-18.19	37.42	150	100
2018-07-17 12:00:00	-7.87	-10.33	-8.45	-10.63	-9.03	27.83	150	100
2018-07-17 12:15:00	-4.05	-6.01	-4.34	-6.11	-4.95	23.74	150	100
2018-07-17 12:30:00		-3.24				21.32	150	100
2018-07-17 12:45:00							150	100
2018-07-17 13:00:00							150	100
2018-07-17 13:15:00							150	100
2018-07-17 13:30:00		-2.56	-2.19	-4.01		19.84	150	100
2018-07-17 13:45:00	-225.37	-2.33	-1.06	-2.8	-1.03	19.69	150	100
2018-07-17 14:00:00	-248.13	-3.91	-1.85	-2.85	-2.5	20.98	150	100
2018-07-17 14:15:00	-249.86	-3.31	-2.78	-2.39	-2.24	20.22	150	100
2018-07-17 14:30:00	-240.18	-5.48	-4.83	-5.12	-4.65	20.81	150	100
2018-07-17 14:45:00	-229.21	-8.54	-6.45	-6.28	-7.9	22.16	150	100
2018-07-17 15:00:00	-148.56	-2.82	-0.89	-0.26	-2.58	16.2	150	100
2018-07-17 15:15:00	-0.53	-3.63	-1.57	-1.73	-3.05	16.36	150	100
2018-07-17 15:30:00	-10.18	-13.19	-10.91	-11.6	-12.57	25.52	150	100
2018-07-17 15:45:00	-1.45	-4.51	-2.5	-2.81	-4.23	16.83	150	100
2018-07-17 16:00:00	-3.2	-5.41	-4.32	-4.58	-5.75	17.87	150	100
2018-07-17 16:15:00	-2.13	-4.07	-3.36	-3.5	-4.67	15.71	150	100
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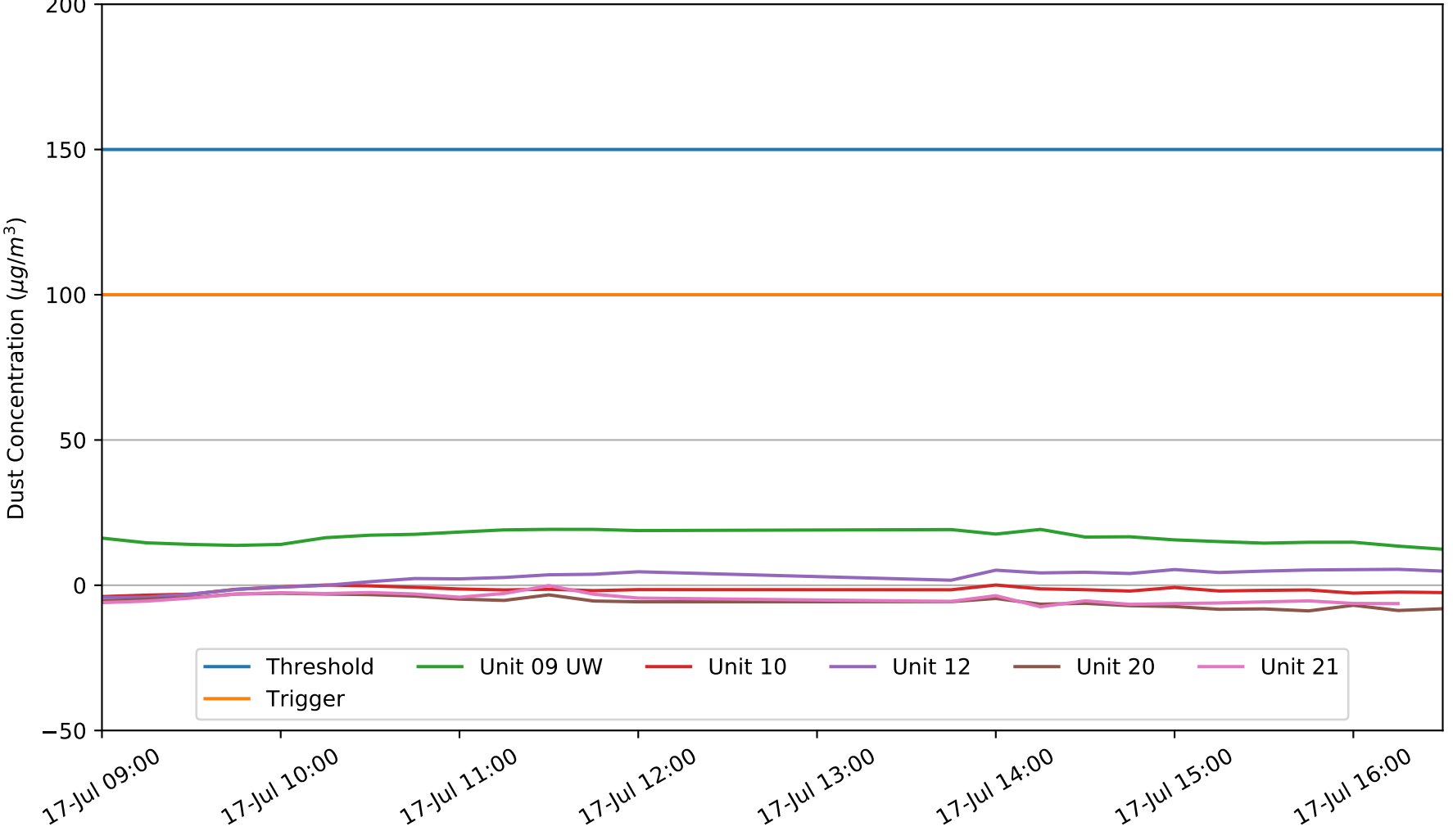
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"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 12.14, 23.2, 85, 736, 01 , 08:30:03, 17-Jul-2018
2, 10.63, 24.1, 88, 736, 00 , 08:45:03, 17-Jul-2018
3, 10.78, 24.5, 87, 736, 00 , 09:00:03, 17-Jul-2018
4, 10.52, 24.9, 87, 736, 00 , 09:15:03, 17-Jul-2018
5, 11.07, 25.4, 86, 736, 00 , 09:30:03, 17-Jul-2018
6, 11.66, 25.9, 85, 736, 00 , 09:45:03, 17-Jul-2018
7, 12.04, 26.4, 84, 736, 00 , 10:00:03, 17-Jul-2018
8, 23.93, 26.7, 81, 736, 00 , 10:15:03, 17-Jul-2018
9, 17.33, 27.0, 80, 736, 00 , 10:30:03, 17-Jul-2018
10, 15.65, 27.4, 79, 736, 00 , 10:45:03, 17-Jul-2018
11, 15.48, 28.1, 78, 736, 00 , 11:00:03, 17-Jul-2018
12, 16.88, 29.0, 72, 736, 00 , 11:15:03, 17-Jul-2018
13, 17.09, 29.3, 70, 736, 00 , 11:30:03, 17-Jul-2018
14, 17.36, 29.4, 69, 736, 00 , 11:45:03, 17-Jul-2018
15, 17.20, 29.6, 69, 736, 00 , 12:00:03, 17-Jul-2018
16, 17.63, 29.6, 68, 736, 00 , 12:15:03, 17-Jul-2018
17, 15.83, 26.5, 75, 734, 00 , 13:41:54, 17-Jul-2018
18, 16.89, 29.1, 71, 734, 00 , 13:56:54, 17-Jul-2018
19, 18.13, 30.9, 68, 734, 00 , 14:11:54, 17-Jul-2018
20, 17.83, 31.4, 63, 734, 00 , 14:26:54, 17-Jul-2018
21, 15.69, 32.2, 61, 734, 00 , 14:41:54, 17-Jul-2018
22, 15.88, 34.2, 55, 734, 00 , 14:56:54, 17-Jul-2018
23, 15.94, 34.6, 51, 734, 00 , 15:11:54, 17-Jul-2018
24, 14.63, 35.6, 45, 734, 00 , 15:26:54, 17-Jul-2018
25, 13.92, 35.9, 45, 734, 00 , 15:41:54, 17-Jul-2018
26, 14.02, 36.6, 43, 734, 00 , 15:56:54, 17-Jul-2018
27, 13.29, 38.5, 39, 734, 00 , 16:11:54, 17-Jul-2018
28, 12.21, 39.4, 36, 734, 00 , 16:26:54, 17-Jul-2018
29, 12.50, 39.4, 34, 734, 00 , 16:41:54, 17-Jul-2018

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"Serial no. ", "CM16411031"
"Tag Number ", 25
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"Start Date ", 17-Jul-2018
"Log Period ", 00:15:00
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"CalFactor   ", 1.000000
"Unit   ", 0
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"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 37.040706
"Max Disp @ ", 10:01:34 17-Jul-2018
"Max STEL   ", 20.857959
"Max STEL @ ", 09:53:23 17-Jul-2018
"Avg point ", 17.449334
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 12.82, 19.6, 78, 736, 03 , 08:30:03, 17-Jul-2018
2, 12.19, 20.7, 77, 736, 02 , 08:45:03, 17-Jul-2018
3, 14.33, 21.1, 77, 736, 00 , 09:00:03, 17-Jul-2018
4, 13.12, 21.6, 75, 736, 02 , 09:15:03, 17-Jul-2018
5, 14.41, 22.2, 74, 736, 02 , 09:30:03, 17-Jul-2018
6, 20.34, 22.7, 72, 736, 02 , 09:45:03, 17-Jul-2018
7, 18.51, 23.3, 71, 736, 02 , 10:00:03, 17-Jul-2018
8, 19.98, 23.8, 68, 736, 02 , 10:15:03, 17-Jul-2018
9, 19.10, 24.4, 66, 736, 02 , 10:30:03, 17-Jul-2018
10, 19.57, 25.5, 63, 736, 02 , 10:45:03, 17-Jul-2018
11, 19.78, 26.7, 59, 736, 02 , 11:00:03, 17-Jul-2018
12, 19.24, 28.2, 53, 736, 02 , 11:15:03, 17-Jul-2018
13, 18.97, 28.6, 51, 736, 02 , 11:30:03, 17-Jul-2018
14, 19.23, 28.8, 51, 736, 02 , 11:45:03, 17-Jul-2018
15, 18.80, 29.0, 50, 736, 02 , 12:00:03, 17-Jul-2018
16, 18.79, 29.2, 51, 736, 02 , 12:15:03, 17-Jul-2018
17, 18.66, 24.3, 62, 736, 02 , 13:47:46, 17-Jul-2018
18, 18.48, 27.4, 55, 736, 02 , 14:02:46, 17-Jul-2018
19, 17.98, 29.0, 49, 736, 02 , 14:17:46, 17-Jul-2018
20, 16.16, 29.4, 45, 736, 02 , 14:32:46, 17-Jul-2018
21, 14.26, 30.4, 41, 736, 02 , 14:47:46, 17-Jul-2018
22, 13.62, 31.2, 39, 736, 02 , 15:02:46, 17-Jul-2018
23, 13.31, 31.3, 38, 736, 02 , 15:17:46, 17-Jul-2018
24, 12.95, 31.2, 35, 736, 02 , 15:32:46, 17-Jul-2018
25, 12.60, 30.9, 34, 736, 02 , 15:47:46, 17-Jul-2018
26, 12.12, 30.6, 33, 736, 02 , 16:02:46, 17-Jul-2018
27, 11.04, 31.1, 33, 736, 02 , 16:17:46, 17-Jul-2018
28, 9.61, 31.0, 31, 736, 02 , 16:32:46, 17-Jul-2018

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"Serial no. ", "0115250205"
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"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 208.709121
"Max Disp @ ", 10:58:21 17-Jul-2018
"Max STEL   ", 54.538579
"Max STEL @ ", 11:08:33 17-Jul-2018
"Avg point ", 22.390304
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 12.85, 24.4, 79, 736, 01 , 08:30:03, 17-Jul-2018
2, 14.15, 25.5, 78, 736, 01 , 08:45:03, 17-Jul-2018
3, 12.65, 26.0, 78, 736, 01 , 09:00:03, 17-Jul-2018
4, 12.61, 26.4, 77, 736, 01 , 09:15:03, 17-Jul-2018
5, 13.96, 26.8, 76, 736, 01 , 09:30:03, 17-Jul-2018
6, 14.95, 27.3, 75, 736, 01 , 09:45:03, 17-Jul-2018
7, 15.63, 27.9, 74, 736, 01 , 10:00:03, 17-Jul-2018
8, 19.12, 28.5, 71, 736, 01 , 10:15:03, 17-Jul-2018
9, 19.97, 28.9, 69, 736, 01 , 10:30:03, 17-Jul-2018
10, 21.31, 29.6, 66, 736, 01 , 10:45:03, 17-Jul-2018
11, 43.95, 30.5, 63, 736, 01 , 11:00:03, 17-Jul-2018
12, 31.75, 31.2, 59, 736, 01 , 11:15:03, 17-Jul-2018
13, 37.42, 31.3, 58, 736, 01 , 11:30:03, 17-Jul-2018
14, 37.42, 31.4, 57, 736, 01 , 11:45:03, 17-Jul-2018
15, 27.83, 31.8, 57, 736, 01 , 12:00:03, 17-Jul-2018
16, 23.74, 32.0, 56, 736, 01 , 12:15:03, 17-Jul-2018
17, 21.32, 31.9, 57, 736, 01 , 12:30:03, 17-Jul-2018
18, 19.84, 28.0, 67, 736, 01 , 13:39:12, 17-Jul-2018
19, 19.69, 30.5, 61, 736, 01 , 13:54:12, 17-Jul-2018
20, 20.98, 31.8, 55, 736, 01 , 14:09:12, 17-Jul-2018
21, 20.22, 31.7, 52, 736, 01 , 14:24:12, 17-Jul-2018
22, 20.81, 31.9, 49, 736, 01 , 14:39:12, 17-Jul-2018
23, 22.16, 32.7, 46, 736, 01 , 14:54:12, 17-Jul-2018
24, 16.20, 32.8, 44, 736, 01 , 15:09:12, 17-Jul-2018
25, 16.36, 33.1, 42, 736, 01 , 15:24:12, 17-Jul-2018
26, 25.52, 33.0, 41, 736, 01 , 15:39:12, 17-Jul-2018
27, 16.83, 33.2, 41, 736, 01 , 15:54:12, 17-Jul-2018
28, 17.87, 33.7, 39, 736, 01 , 16:09:12, 17-Jul-2018
29, 15.71, 34.2, 36, 736, 01 , 16:24:12, 17-Jul-2018
30, 14.65, 34.1, 34, 736, 01 , 16:39:12, 17-Jul-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 17-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 17-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 09 UW	Unit 12	Unit 20	Unit 10	Unit 21	Threshold	Trigger
2018-07-17 09:00:00	16.23	-4.23	-5.41	-3.91	-5.98	150	100
2018-07-17 09:15:00	14.6	-4.14	-4.82	-3.4	-5.47	150	100
2018-07-17 09:30:00	14.05	-3.04	-4.2	-3.07	-4.41	150	100
2018-07-17 09:45:00	13.71	-1.46	-3.03	-1.39	-3.01	150	100
2018-07-17 10:00:00	14.05	-0.63	-2.77	-0.58	-2.58	150	100
2018-07-17 10:15:00	16.37	-0.04	-3.03	0.08	-2.86	150	100
2018-07-17 10:30:00	17.23	1.23	-3.23	-0.22	-2.51	150	100
2018-07-17 10:45:00	17.53	2.31	-3.73	-0.71	-3.01	150	100
2018-07-17 11:00:00	18.31	2.2	-4.77	-1.29	-4.12	150	100
2018-07-17 11:15:00	19.06	2.68	-5.22	-1.62	-2.83	150	100
2018-07-17 11:30:00	19.24	3.6	-3.31	-1.38	-0.12	150	100
2018-07-17 11:45:00	19.23	3.78	-5.43	-1.86	-3.08	150	100
2018-07-17 12:00:00	18.82	4.64	-5.7	-1.51	-4.41	150	100
2018-07-17 12:15:00						150	100
2018-07-17 12:30:00						150	100
2018-07-17 12:45:00						150	100
2018-07-17 13:00:00						150	100
2018-07-17 13:15:00						150	100
2018-07-17 13:30:00						150	100
2018-07-17 13:45:00	19.16	1.73	-5.65	-1.57	-5.57	150	100
2018-07-17 14:00:00	17.62	5.19	-4.56	0.08	-3.59	150	100
2018-07-17 14:15:00	19.22	4.24	-6.52	-1.24	-7.4	150	100
2018-07-17 14:30:00	16.59	4.48	-6.22	-1.54	-5.36	150	100
2018-07-17 14:45:00	16.68	4.04	-7.04	-2	-6.57	150	100
2018-07-17 15:00:00	15.62	5.4	-7.34	-0.76	-6.3	150	100
2018-07-17 15:15:00	15.03	4.39	-8.28	-1.98	-6.11	150	100
2018-07-17 15:30:00	14.49	4.87	-8.14	-1.76	-5.72	150	100
2018-07-17 15:45:00	14.79	5.25	-8.83	-1.62	-5.38	150	100
2018-07-17 16:00:00	14.81	5.37	-6.9	-2.72	-6.26	150	100
2018-07-17 16:15:00	13.47	5.48	-8.69	-2.34	-6.31	150	100
2018-07-17 16:30:00	12.4	4.87	-8.09	-2.53		150	100

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"Unit ", 0
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"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 21.147006
"Max Disp @ ", 11:29:58 17-Jul-2018
"Max STEL ", 19.501621
"Max STEL @ ", 11:42:03 17-Jul-2018
"Avg point ", 16.801830
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 16.23, 24.3, 65, 734, 03 , 09:00:03, 17-Jul-2018
2, 14.60, 25.3, 71, 734, 00 , 09:15:03, 17-Jul-2018
3, 14.05, 26.2, 73, 734, 00 , 09:30:03, 17-Jul-2018
4, 13.71, 27.1, 74, 734, 00 , 09:45:03, 17-Jul-2018
5, 14.05, 27.9, 74, 734, 00 , 10:00:03, 17-Jul-2018
6, 16.37, 28.5, 71, 734, 00 , 10:15:03, 17-Jul-2018
7, 17.23, 28.7, 70, 734, 00 , 10:30:03, 17-Jul-2018
8, 17.53, 28.9, 69, 734, 00 , 10:45:03, 17-Jul-2018
9, 18.31, 29.4, 65, 734, 00 , 11:00:03, 17-Jul-2018
10, 19.06, 30.0, 61, 734, 00 , 11:15:03, 17-Jul-2018
11, 19.24, 29.7, 61, 734, 00 , 11:30:03, 17-Jul-2018
12, 19.23, 29.9, 60, 734, 00 , 11:45:03, 17-Jul-2018
13, 18.82, 30.1, 58, 734, 00 , 12:00:03, 17-Jul-2018
14, 19.16, 27.0, 63, 732, 00 , 13:46:59, 17-Jul-2018
15, 17.62, 28.7, 65, 732, 00 , 14:01:59, 17-Jul-2018
16, 19.22, 29.4, 61, 732, 00 , 14:16:59, 17-Jul-2018
17, 16.59, 29.4, 59, 734, 00 , 14:31:59, 17-Jul-2018
18, 16.68, 30.0, 54, 734, 00 , 14:46:59, 17-Jul-2018
19, 15.62, 30.5, 52, 732, 00 , 15:01:59, 17-Jul-2018
20, 15.03, 30.6, 50, 732, 00 , 15:16:59, 17-Jul-2018
21, 14.49, 30.9, 47, 732, 00 , 15:31:59, 17-Jul-2018
22, 14.79, 31.2, 45, 732, 00 , 15:46:59, 17-Jul-2018
23, 14.81, 31.1, 44, 732, 00 , 16:01:59, 17-Jul-2018
24, 13.47, 31.7, 44, 732, 00 , 16:16:59, 17-Jul-2018
25, 12.40, 31.8, 42, 732, 00 , 16:31:59, 17-Jul-2018

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"Unit ", 0
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"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 25.167880
"Max Disp @ ", 11:48:12 17-Jul-2018
"Max STEL ", 23.473580
"Max STEL @ ", 11:56:43 17-Jul-2018
"Avg point ", 17.334303
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 12.00, 20.0, 82, 736, 01 , 09:00:03, 17-Jul-2018
2, 10.46, 20.6, 85, 736, 00 , 09:15:03, 17-Jul-2018
3, 11.01, 21.1, 84, 736, 00 , 09:30:03, 17-Jul-2018
4, 12.25, 21.8, 82, 736, 00 , 09:45:03, 17-Jul-2018
5, 13.42, 22.4, 81, 736, 00 , 10:00:03, 17-Jul-2018
6, 16.33, 23.3, 77, 736, 00 , 10:15:03, 17-Jul-2018
7, 18.46, 24.1, 74, 736, 00 , 10:30:03, 17-Jul-2018
8, 19.84, 25.0, 70, 736, 00 , 10:45:03, 17-Jul-2018
9, 20.51, 26.2, 67, 736, 00 , 11:00:03, 17-Jul-2018
10, 21.74, 27.8, 61, 736, 00 , 11:15:03, 17-Jul-2018
11, 22.84, 28.5, 58, 736, 00 , 11:30:03, 17-Jul-2018
12, 23.01, 28.9, 56, 736, 00 , 11:45:03, 17-Jul-2018
13, 23.46, 29.2, 54, 736, 00 , 12:00:03, 17-Jul-2018
14, 20.89, 24.1, 67, 736, 01 , 13:48:13, 17-Jul-2018
15, 22.81, 26.5, 62, 736, 00 , 14:03:13, 17-Jul-2018
16, 23.46, 27.5, 58, 736, 00 , 14:18:13, 17-Jul-2018
17, 21.07, 27.0, 56, 736, 00 , 14:33:13, 17-Jul-2018
18, 20.72, 27.6, 53, 736, 00 , 14:48:13, 17-Jul-2018
19, 21.02, 28.4, 49, 736, 00 , 15:03:13, 17-Jul-2018
20, 19.42, 28.1, 48, 736, 00 , 15:18:13, 17-Jul-2018
21, 19.36, 28.0, 47, 736, 00 , 15:33:13, 17-Jul-2018
22, 20.04, 28.4, 46, 736, 00 , 15:48:13, 17-Jul-2018
23, 20.18, 28.3, 46, 736, 00 , 16:03:13, 17-Jul-2018
24, 18.95, 28.8, 43, 736, 00 , 16:18:13, 17-Jul-2018
25, 17.27, 28.7, 41, 736, 00 , 16:33:13, 17-Jul-2018

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"RH CORRECT ", "ENABLED "
"Max Disp ", 23.017433
"Max Disp @ ", 11:20:50 17-Jul-2018
"Max STEL ", 16.015174
"Max STEL @ ", 11:34:03 17-Jul-2018
"Avg point ", 12.600129
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 10.82, 22.2, 73, 736, 01 , 09:00:03, 17-Jul-2018
2, 9.78, 23.0, 75, 736, 00 , 09:15:03, 17-Jul-2018
3, 9.85, 23.8, 73, 736, 00 , 09:30:03, 17-Jul-2018
4, 10.68, 24.5, 71, 736, 00 , 09:45:03, 17-Jul-2018
5, 11.28, 25.3, 68, 736, 00 , 10:00:03, 17-Jul-2018
6, 13.34, 25.5, 65, 736, 00 , 10:15:03, 17-Jul-2018
7, 14.00, 25.5, 65, 736, 00 , 10:30:03, 17-Jul-2018
8, 13.80, 25.4, 65, 736, 00 , 10:45:03, 17-Jul-2018
9, 13.54, 25.8, 64, 736, 00 , 11:00:03, 17-Jul-2018
10, 13.84, 26.6, 61, 736, 00 , 11:15:03, 17-Jul-2018
11, 15.93, 26.7, 60, 736, 00 , 11:30:03, 17-Jul-2018
12, 13.80, 26.7, 59, 736, 00 , 11:45:03, 17-Jul-2018
13, 13.12, 26.6, 58, 736, 00 , 12:00:03, 17-Jul-2018
14, 13.51, 25.2, 62, 734, 00 , 13:45:42, 17-Jul-2018
15, 13.06, 26.6, 58, 734, 00 , 14:00:42, 17-Jul-2018
16, 12.70, 27.8, 54, 734, 00 , 14:15:42, 17-Jul-2018
17, 10.37, 28.5, 49, 734, 00 , 14:30:42, 17-Jul-2018
18, 9.64, 29.6, 45, 734, 00 , 14:45:42, 17-Jul-2018
19, 8.28, 31.1, 39, 734, 00 , 15:00:42, 17-Jul-2018
20, 6.75, 31.6, 37, 734, 00 , 15:15:42, 17-Jul-2018
21, 6.35, 32.7, 34, 734, 00 , 15:30:42, 17-Jul-2018
22, 5.96, 33.5, 31, 734, 00 , 15:45:42, 17-Jul-2018
23, 7.91, 33.8, 29, 734, 00 , 16:00:42, 17-Jul-2018
24, 4.78, 35.3, 25, 734, 00 , 16:15:42, 17-Jul-2018
25, 4.31, 35.8, 23, 734, 00 , 16:30:42, 17-Jul-2018

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"Tag Number ", 1
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"Start Date ", 17-Jul-2018
"Log Period ", 00:15:00
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"Unit ", 0
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"RH CORRECT ", "ENABLED "
"Max Disp ", 21.661289
"Max Disp @ ", 10:08:44 17-Jul-2018
"Max STEL ", 17.893614
"Max STEL @ ", 11:27:13 17-Jul-2018
"Avg point ", 15.198904
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 12.32, 22.9, 77, 734, 01 , 09:00:03, 17-Jul-2018
2, 11.20, 23.4, 80, 734, 00 , 09:15:03, 17-Jul-2018
3, 10.98, 23.9, 79, 734, 00 , 09:30:03, 17-Jul-2018
4, 12.32, 24.7, 77, 734, 00 , 09:45:03, 17-Jul-2018
5, 13.47, 25.4, 75, 734, 00 , 10:00:03, 17-Jul-2018
6, 16.45, 26.0, 72, 734, 00 , 10:15:03, 17-Jul-2018
7, 17.01, 26.6, 70, 734, 00 , 10:30:03, 17-Jul-2018
8, 16.82, 27.4, 67, 734, 00 , 10:45:03, 17-Jul-2018
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DAILY OBSERVATION REPORT

Report No.:	41	Project File:	MN0832D	Date:	7/18/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — *an affiliate of Geosyntec Consultants*

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: James Burnett

Site Representative: James Bannantine

Arrive at Site: 0645hrs. Leave Site: 1830 hrs.

Contractor: Recon

Health & Safety: James Bannantine

Weather and Site Conditions

General Description:	Cool, partly sunny	am	Sunny	pm
Temperature:	58° F	am	~80° F	pm
Wind Direction:	5 SW	am	~5 SW	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 41 Project File: MN0832D Date: 7/18/2018

Materials Imported and Removed from Work Areas

TSCA: 16 trucks

Imported #1 and #2: 3 loads (64.23 tons)

As of 17 July 2018:

Material	Today (CY)	To Date (CY)
Soil Excavation	814	7050
Non-Haz T&D	0	0
TSCA T&D	264	3846
Backfill (Imported)	0	848
Backfill (Reuse)	0	1256

TSCA Soil Removal:

Total Loads today: 16 Total Loads to date: 184

Weight: ~22 tons/each Total Weight to date: ~4532 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: Pending Total Loads to date: 15

Weight: 0 Tons Total Weight to date: ~293 Tons

Report No.: 41 Project File: MN0832D Date: 7/18/2018

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: 0 Tons Total Weight to date: 132 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: 159

Weight: ~22 Tons/each Total Weight to date: ~3343 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0645. Attended Recon safety meeting: excavation and backfill of Phases 2 and 3 planned. Jim Bannantine, Jim Burnett, Elizabeth Lee, and Lauren Quickel were on site. Jim Bannantine holds Geosyntec tailgate safety meeting. Review work plan for the day. Discuss working in pairs for safety reasons.
- LQ and EL calibrate and deploy dust monitors in the MSA and RPL. No more standing water on school roof.
- Recon continues excavation of Phase 2 and 3.
- TSCA trucks are loaded on the loading pad, inspected by Geosyntec and Recon, and tarped.
- JB observes loading of TSCA trucks and issues manifests once the trucks have been inspected.
- All trucks leaving the RPL and MSA were decontaminated before entering the haul road.
- Trucks were pressure washed with water on the decon pad before leaving the site.
- Summit drillers abandoned Monitoring Well 46 (MW46) ahead of nearby Phase 3 excavation.
- Recon began excavation of hydrant area behind school to construct water valve; water line found ~8 ft bgs.
- Additional area of concrete slab detected throughout Phases 2 and 3- will limit excavation in 10-14 ft bgs until further action determined.

PM

- Recon continues Phase 2 and 3 excavation.
- Scott Williams of NYSDEC onsite.
- Potential reuse soil overlaying TSCA from Phase 3 excavation is piled on back parking lot, to be sampled by Geosyntec.
- 16 TSCA trucks were loaded for shipment today. All trucks were inspected, and the tires were pressure washed before leaving the site.
- Recon sprayed water along the haul road and the TSCA accumulation pile several times during the day. Recon sprayed water inside the RPL haul road.

Report No.:	41	Project File:	MN0832D	Date:	7/18/2018

- EL and LQ sample contaminated water from A5722 water tank in MSA. This tank held water released from the water main break, storm water collected from recent rains, and rinse water from the TSCA truck wash area.
- Recon began covering piles around 1630 and securing the site.
- EL and LQ collect dust monitors and extract data.
- No dust exceedances were recorded today.

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Tom Tanner
- Brian Kilkenny
- Addison Hofferth
- Brian Balog
- Scott Early
- Rich Tonnucour
- (Recon labor) X18

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- 8x40 Office Trailer
- Portable Toilets
- Hand Wash Stations
- ST-197 Dodge Ram Work Truck
- 8x20 Storage Box
- Trimble GPS System (Base, Rover, Data Collector)
- 8x20 Office Trailer
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 Containments
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Vibratory Hammer
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	DEC	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: NA

DAILY OBSERVATION REPORT

Report No.:	41	Project File:	MN0832D	Date:	7/18/2018

ITEMS OF CONCERN:

- Evaluating excavation plan with discovery of increased area of concrete slab

Site Representative: James Bannantine

Date: 7/18/2018

Name 

(Signature):Aron Krasnopoler (for James Bannantine

Report No.:	41	Project File:	MN0832D	Date:	7/18/2018

Photo Log

Date : 7/18/2018



Morning view of site, with excavation continuing in Phase 2 and Phase 3



Recon beginning excavation of water line area in rear area of school.



Concrete slab exposed at a depth of ~8.5 ft bgs



Scott Williams from the DEC and Recon at the water line excavation in the afternoon. Water line found at ~8 ft bgs.

DAILY OBSERVATION REPORT

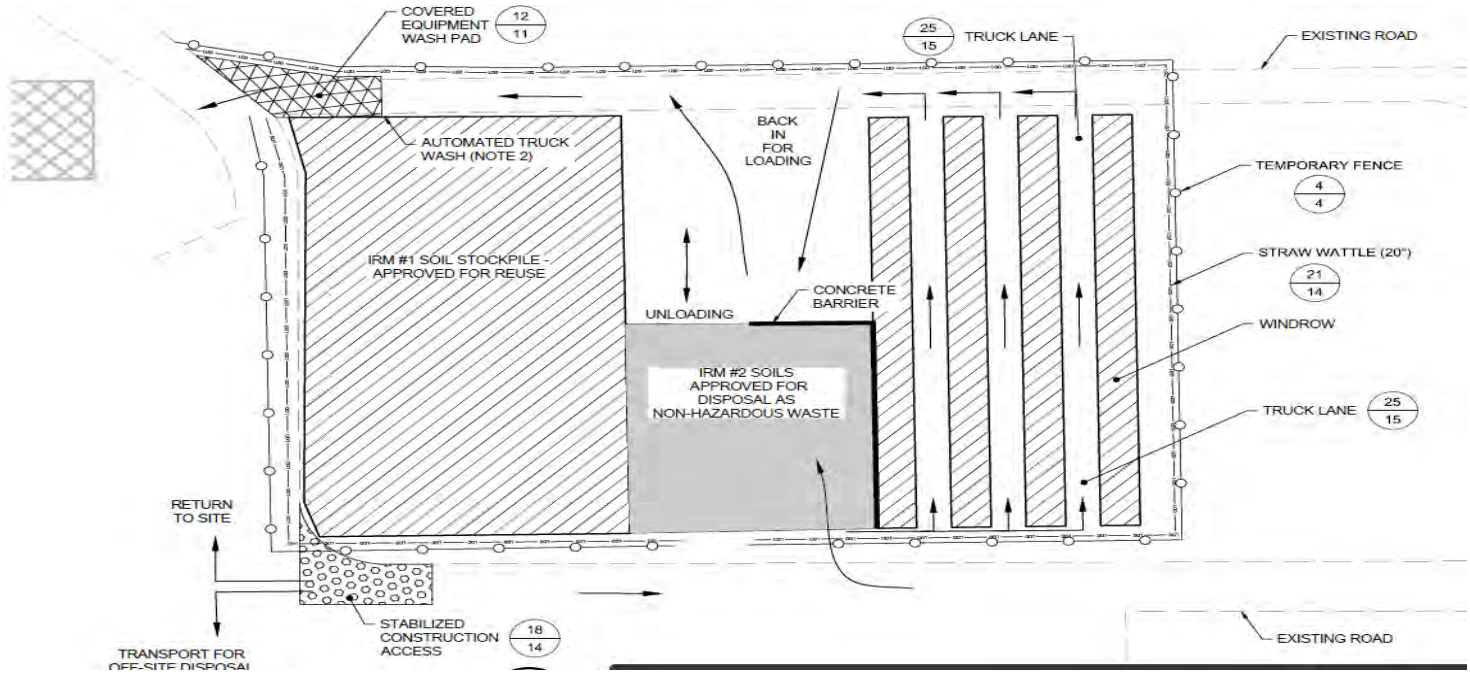
Report No.:	41	Project File:	MN0832D	Date:	7/18/2018

Site Map

Rear Parking Lot

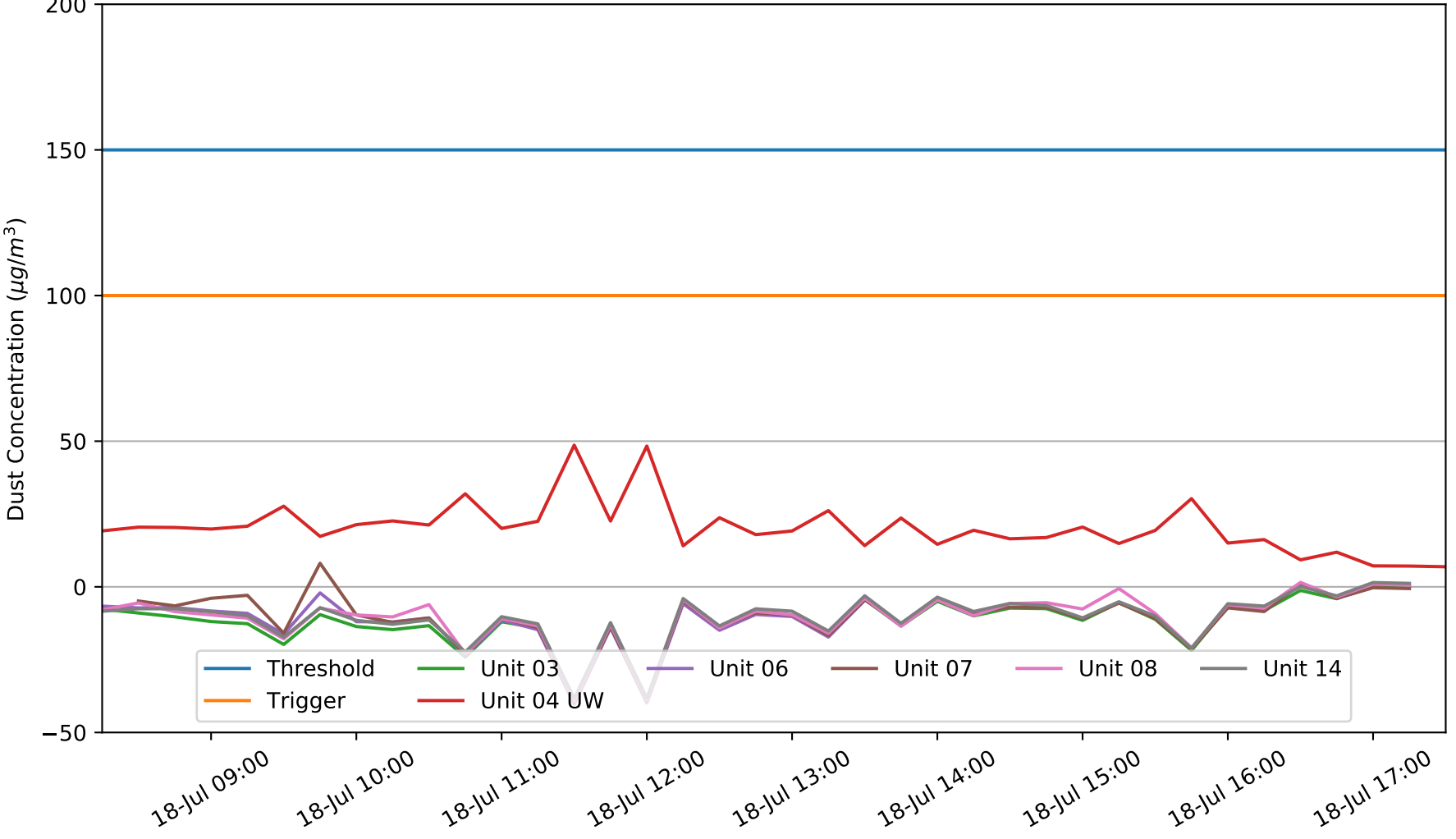


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 18-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 18-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 08	Unit 14	Unit 03	Unit 06	Unit 07	Unit 04 UW	Threshold	Trigger
2018-07-18 08:15:00	-7.88	-8.38	-7.65	-6.63		19.21	150	100
2018-07-18 08:30:00	-5.54	-7.52	-8.98	-7.23	-4.87	20.49	150	100
2018-07-18 08:45:00	-8.5	-7.52	-10.29	-7.1	-6.54	20.38	150	100
2018-07-18 09:00:00	-9.63	-8.53	-11.92	-8.3	-3.93	19.84	150	100
2018-07-18 09:15:00	-10.75	-9.91	-12.65	-9.1	-2.91	20.81	150	100
2018-07-18 09:30:00	-17.85	-17.32	-19.78	-16.26	-15.93	27.7	150	100
2018-07-18 09:45:00	-7.3	-7.14	-9.53	-2.07	8.1	17.31	150	100
2018-07-18 10:00:00	-9.65	-11.5	-13.63	-11.97	-9.64	21.35	150	100
2018-07-18 10:15:00	-10.33	-12.86	-14.7	-12.03	-12.21	22.63	150	100
2018-07-18 10:30:00	-6.1	-11.35	-13.33	-10.68	-10.71	21.22	150	100
2018-07-18 10:45:00	-22.92	-22.35	-24.13	-23.54	-23.12	31.94	150	100
2018-07-18 11:00:00	-10.85	-10.25	-11.97	-11.41	-10.73	20.04	150	100
2018-07-18 11:15:00	-13.42	-12.71	-14.15	-14.72	-14.01	22.5	150	100
2018-07-18 11:30:00	-39.25	-38.34	-39.68	-40.3	-39.6	48.64	150	100
2018-07-18 11:45:00	-12.89	-12.28	-13.76	-14.08	-13.57	22.59	150	100
2018-07-18 12:00:00	-38.91	-38.28	-39.56	-39.83	-39.31	48.34	150	100
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2018-07-18 13:00:00	-9.58	-8.36	-9.75	-10.18	-9.69	19.18	150	100
2018-07-18 13:15:00	-15.95	-15.16	-16.09	-17.25	-16.69	26.17	150	100
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30, 9.35, 26.4, 39, 738, 00 , 15:30:03, 18-Jul-2018
31, 9.20, 26.0, 40, 738, 00 , 15:45:03, 18-Jul-2018
32, 9.24, 26.1, 40, 738, 00 , 16:00:03, 18-Jul-2018
33, 9.61, 27.5, 37, 738, 00 , 16:15:03, 18-Jul-2018
34, 9.33, 28.0, 35, 738, 00 , 16:30:03, 18-Jul-2018
35, 8.80, 27.9, 35, 738, 00 , 16:45:03, 18-Jul-2018
36, 8.66, 27.7, 35, 738, 00 , 17:00:03, 18-Jul-2018
37, 8.32, 27.3, 35, 738, 00 , 17:15:03, 18-Jul-2018

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"Max Disp ", 20.613465
"Max Disp @ ", 15:03:17 18-Jul-2018
"Max STEL ", 11.740692
"Max STEL @ ", 08:34:23 18-Jul-2018
"Avg point ", 8.812812
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 11.56, 18.9, 69, 740, 01 , 08:15:03, 18-Jul-2018
2, 11.51, 18.8, 73, 740, 00 , 08:30:03, 18-Jul-2018
3, 10.09, 18.8, 75, 740, 00 , 08:45:03, 18-Jul-2018
4, 7.92, 19.1, 75, 740, 00 , 09:00:03, 18-Jul-2018
5, 8.16, 19.5, 73, 740, 00 , 09:15:03, 18-Jul-2018
6, 7.92, 19.9, 70, 740, 00 , 09:30:03, 18-Jul-2018
7, 7.78, 20.3, 68, 740, 00 , 09:45:03, 18-Jul-2018
8, 7.72, 20.7, 67, 740, 00 , 10:00:03, 18-Jul-2018
9, 7.93, 21.3, 65, 740, 00 , 10:15:03, 18-Jul-2018
10, 7.89, 22.0, 64, 740, 00 , 10:30:03, 18-Jul-2018
11, 7.81, 23.2, 60, 740, 00 , 10:45:03, 18-Jul-2018
12, 8.07, 24.8, 57, 740, 00 , 11:00:03, 18-Jul-2018
13, 8.35, 26.5, 53, 740, 00 , 11:15:03, 18-Jul-2018
14, 8.96, 28.0, 50, 740, 00 , 11:30:03, 18-Jul-2018
15, 8.83, 29.4, 47, 740, 00 , 11:45:03, 18-Jul-2018
16, 8.78, 30.9, 42, 740, 00 , 12:00:03, 18-Jul-2018
17, 9.01, 32.1, 39, 740, 00 , 12:15:03, 18-Jul-2018
18, 9.19, 33.2, 37, 740, 00 , 12:30:03, 18-Jul-2018
19, 9.03, 34.2, 35, 740, 00 , 12:45:03, 18-Jul-2018
20, 9.43, 35.6, 33, 740, 00 , 13:00:03, 18-Jul-2018
21, 10.08, 36.6, 31, 740, 00 , 13:15:03, 18-Jul-2018
22, 9.81, 37.2, 30, 740, 00 , 13:30:03, 18-Jul-2018
23, 10.16, 37.6, 29, 740, 00 , 13:45:03, 18-Jul-2018
24, 9.65, 38.3, 28, 740, 00 , 14:00:03, 18-Jul-2018
25, 9.44, 38.9, 27, 740, 00 , 14:15:03, 18-Jul-2018
26, 9.20, 39.2, 26, 740, 00 , 14:30:03, 18-Jul-2018
27, 9.45, 39.2, 26, 740, 00 , 14:45:03, 18-Jul-2018
28, 9.01, 40.2, 25, 740, 00 , 15:00:03, 18-Jul-2018
29, 9.44, 41.2, 24, 740, 00 , 15:15:03, 18-Jul-2018
30, 8.21, 42.1, 23, 740, 00 , 15:30:03, 18-Jul-2018
31, 8.47, 42.6, 22, 740, 00 , 15:45:03, 18-Jul-2018
32, 8.23, 42.9, 22, 740, 00 , 16:00:03, 18-Jul-2018
33, 8.06, 43.5, 21, 740, 00 , 16:15:03, 18-Jul-2018
34, 8.03, 43.6, 20, 740, 00 , 16:30:03, 18-Jul-2018
35, 7.82, 43.7, 20, 740, 00 , 16:45:03, 18-Jul-2018
36, 7.80, 44.2, 19, 740, 00 , 17:00:03, 18-Jul-2018
37, 7.26, 44.3, 19, 740, 00 , 17:15:03, 18-Jul-2018

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"RH CORRECT ", "ENABLED "
"Max Disp ", 71.355124
"Max Disp @ ", 09:31:11 18-Jul-2018
"Max STEL ", 15.905236
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"Avg point ", 10.125344
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
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"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 12.58, 16.0, 62, 740, 43 , 08:15:03, 18-Jul-2018
2, 13.26, 19.3, 54, 740, 00 , 08:30:03, 18-Jul-2018
3, 13.28, 23.0, 44, 740, 00 , 08:45:03, 18-Jul-2018
4, 11.54, 25.0, 38, 740, 00 , 09:00:03, 18-Jul-2018
5, 11.71, 26.8, 34, 740, 02 , 09:15:03, 18-Jul-2018
6, 11.44, 28.2, 30, 740, 02 , 09:30:03, 18-Jul-2018
7, 15.24, 29.2, 27, 740, 02 , 09:45:03, 18-Jul-2018
8, 9.38, 30.1, 24, 740, 02 , 10:00:03, 18-Jul-2018
9, 10.60, 30.6, 24, 740, 02 , 10:15:03, 18-Jul-2018
10, 10.54, 31.0, 25, 740, 02 , 10:30:03, 18-Jul-2018
11, 8.40, 31.2, 24, 742, 02 , 10:45:03, 18-Jul-2018
12, 8.63, 31.2, 24, 742, 02 , 11:00:03, 18-Jul-2018
13, 7.78, 30.9, 24, 742, 02 , 11:15:03, 18-Jul-2018
14, 8.34, 30.4, 24, 742, 02 , 11:30:03, 18-Jul-2018
15, 8.51, 30.5, 24, 742, 02 , 11:45:03, 18-Jul-2018
16, 8.51, 30.7, 21, 742, 02 , 12:00:03, 18-Jul-2018
17, 8.31, 30.9, 23, 742, 02 , 12:15:03, 18-Jul-2018
18, 8.81, 31.1, 22, 742, 02 , 12:30:03, 18-Jul-2018
19, 8.44, 30.7, 22, 740, 02 , 12:45:03, 18-Jul-2018
20, 9.00, 30.4, 23, 740, 02 , 13:00:03, 18-Jul-2018
21, 8.92, 29.9, 23, 740, 02 , 13:15:03, 18-Jul-2018
22, 9.52, 29.1, 24, 740, 02 , 13:30:03, 18-Jul-2018

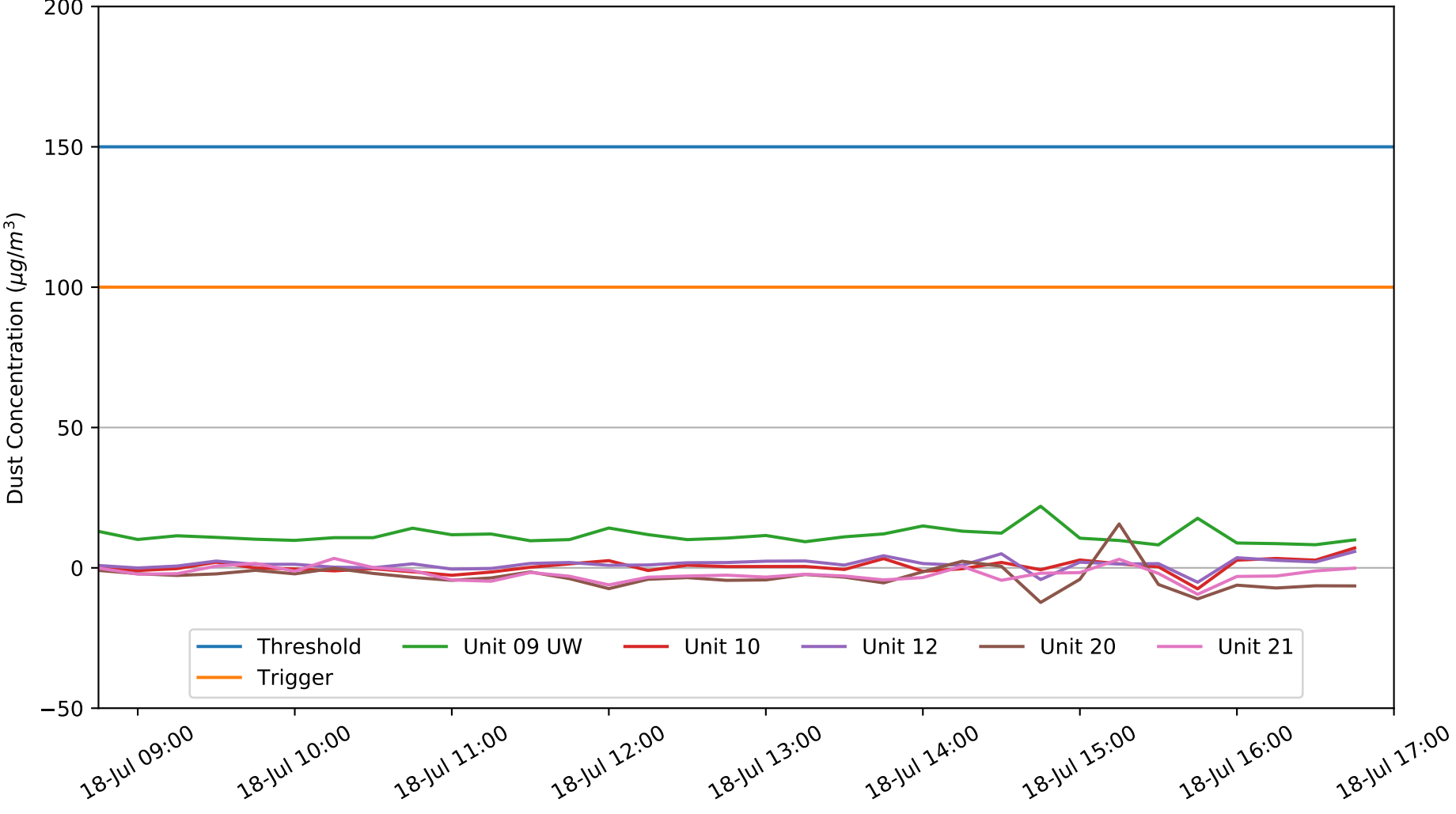
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"Max STEL @ ", 09:37:43 18-Jul-2018
"Avg point ", 10.508533
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
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"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
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2, 13.84, 27.1, 46, 740, 00 , 08:45:03, 18-Jul-2018
3, 15.91, 28.5, 41, 740, 00 , 09:00:03, 18-Jul-2018
4, 17.90, 30.0, 37, 740, 00 , 09:15:03, 18-Jul-2018
5, 11.77, 31.0, 33, 740, 00 , 09:30:03, 18-Jul-2018
6, 25.41, 31.6, 32, 740, 00 , 09:45:03, 18-Jul-2018
7, 11.71, 32.1, 30, 740, 00 , 10:00:03, 18-Jul-2018
8, 10.42, 32.2, 29, 740, 00 , 10:15:03, 18-Jul-2018
9, 10.51, 32.3, 30, 740, 00 , 10:30:03, 18-Jul-2018
10, 8.82, 32.1, 29, 740, 00 , 10:45:03, 18-Jul-2018
11, 9.31, 31.7, 30, 740, 00 , 11:00:03, 18-Jul-2018
12, 8.49, 31.1, 31, 740, 00 , 11:15:03, 18-Jul-2018
13, 9.04, 30.3, 33, 740, 00 , 11:30:03, 18-Jul-2018
14, 9.02, 30.1, 33, 740, 00 , 11:45:03, 18-Jul-2018
15, 9.03, 29.9, 31, 740, 00 , 12:00:03, 18-Jul-2018
16, 9.18, 29.7, 32, 740, 00 , 12:15:03, 18-Jul-2018
17, 9.68, 29.7, 32, 740, 00 , 12:30:03, 18-Jul-2018
18, 9.02, 29.7, 32, 740, 00 , 12:45:03, 18-Jul-2018
19, 9.49, 29.8, 32, 740, 00 , 13:00:03, 18-Jul-2018
20, 9.48, 29.7, 33, 740, 00 , 13:15:03, 18-Jul-2018
21, 9.67, 29.7, 33, 740, 00 , 13:30:03, 18-Jul-2018
22, 10.99, 29.5, 33, 740, 00 , 13:45:03, 18-Jul-2018
23, 10.84, 29.6, 33, 740, 00 , 14:00:03, 18-Jul-2018
24, 10.47, 29.7, 32, 740, 00 , 14:15:03, 18-Jul-2018
25, 9.52, 29.8, 32, 740, 00 , 14:30:03, 18-Jul-2018
26, 9.92, 29.4, 33, 740, 00 , 14:45:03, 18-Jul-2018
27, 9.50, 29.7, 32, 740, 00 , 15:00:03, 18-Jul-2018
28, 9.30, 30.2, 31, 740, 00 , 15:15:03, 18-Jul-2018
29, 8.49, 30.3, 31, 740, 00 , 15:30:03, 18-Jul-2018
30, 8.93, 30.3, 31, 740, 00 , 15:45:03, 18-Jul-2018
31, 7.81, 30.2, 31, 740, 00 , 16:00:03, 18-Jul-2018
32, 7.74, 30.2, 31, 740, 00 , 16:15:03, 18-Jul-2018
33, 10.11, 29.9, 31, 740, 00 , 16:30:03, 18-Jul-2018
34, 7.93, 29.4, 32, 740, 00 , 16:45:03, 18-Jul-2018
35, 6.89, 29.4, 32, 740, 00 , 17:00:03, 18-Jul-2018
36, 6.54, 29.2, 32, 740, 00 , 17:15:03, 18-Jul-2018

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"Unit ", 0
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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 11:22:10 18-Jul-2018
"Max STEL ", 52.824869
"Max STEL @ ", 11:32:33 18-Jul-2018
"Avg point ", 20.260391
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
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2, 20.49, 22.2, 61, 740, 01 , 08:30:03, 18-Jul-2018
3, 20.38, 24.2, 54, 740, 01 , 08:45:03, 18-Jul-2018
4, 19.84, 25.3, 49, 740, 01 , 09:00:03, 18-Jul-2018
5, 20.81, 26.1, 46, 740, 01 , 09:15:03, 18-Jul-2018
6, 27.70, 26.5, 43, 740, 01 , 09:30:03, 18-Jul-2018
7, 17.31, 26.7, 42, 740, 01 , 09:45:03, 18-Jul-2018
8, 21.35, 27.1, 40, 740, 01 , 10:00:03, 18-Jul-2018
9, 22.63, 27.6, 39, 740, 01 , 10:15:03, 18-Jul-2018
10, 21.22, 27.6, 39, 740, 01 , 10:30:03, 18-Jul-2018
11, 31.94, 27.9, 38, 740, 01 , 10:45:03, 18-Jul-2018
12, 20.04, 28.3, 37, 740, 01 , 11:00:03, 18-Jul-2018
13, 22.50, 28.8, 35, 740, 01 , 11:15:03, 18-Jul-2018
14, 48.64, 29.2, 35, 740, 01 , 11:30:03, 18-Jul-2018
15, 22.59, 29.5, 34, 740, 01 , 11:45:03, 18-Jul-2018
16, 48.34, 29.8, 31, 740, 01 , 12:00:03, 18-Jul-2018
17, 14.08, 29.8, 31, 740, 01 , 12:15:03, 18-Jul-2018
18, 23.72, 29.9, 30, 740, 01 , 12:30:03, 18-Jul-2018
19, 17.92, 30.1, 31, 740, 01 , 12:45:03, 18-Jul-2018
20, 19.18, 30.6, 31, 740, 01 , 13:00:03, 18-Jul-2018
21, 26.17, 30.8, 31, 740, 01 , 13:15:03, 18-Jul-2018
22, 14.14, 31.2, 30, 740, 01 , 13:30:03, 18-Jul-2018
23, 23.62, 30.9, 30, 740, 01 , 13:45:03, 18-Jul-2018
24, 14.60, 31.0, 30, 740, 01 , 14:00:03, 18-Jul-2018
25, 19.42, 30.9, 29, 740, 01 , 14:15:03, 18-Jul-2018
26, 16.49, 30.5, 31, 740, 01 , 14:30:03, 18-Jul-2018
27, 16.92, 30.1, 31, 740, 01 , 14:45:03, 18-Jul-2018
28, 20.52, 30.1, 31, 740, 01 , 15:00:03, 18-Jul-2018
29, 14.87, 30.3, 31, 740, 01 , 15:15:03, 18-Jul-2018
30, 19.36, 30.7, 30, 740, 01 , 15:30:03, 18-Jul-2018
31, 30.28, 30.8, 30, 740, 01 , 15:45:03, 18-Jul-2018
32, 15.03, 31.0, 30, 740, 01 , 16:00:03, 18-Jul-2018
33, 16.22, 31.0, 29, 740, 01 , 16:15:03, 18-Jul-2018
34, 9.26, 30.8, 29, 740, 01 , 16:30:03, 18-Jul-2018
35, 11.90, 30.7, 29, 740, 01 , 16:45:03, 18-Jul-2018
36, 7.19, 30.8, 29, 740, 01 , 17:00:03, 18-Jul-2018
37, 7.13, 30.7, 28, 740, 01 , 17:15:03, 18-Jul-2018

38, 6.89, 30.7, 28, 740, 01 , 17:30:03, 18-Jul-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 18-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 18-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 21	Unit 10	Unit 20	Unit 12	Unit 09 UW	Threshold	Trigger
2018-07-18 08:45:00	-0.08	-0.11	-0.91	0.84	12.99	150	100
2018-07-18 09:00:00	-2.24	-0.96	-2.08	-0.05	10.11	150	100
2018-07-18 09:15:00	-2.09	-0.27	-2.7	0.64	11.43	150	100
2018-07-18 09:30:00	0.64	2.02	-2.15	2.42	10.86	150	100
2018-07-18 09:45:00	1.57	-0.06	-0.88	1.23	10.2	150	100
2018-07-18 10:00:00	-1.22	-0.4	-2.14	1.27	9.78	150	100
2018-07-18 10:15:00	3.37	-1.07	-0.15	0.25	10.75	150	100
2018-07-18 10:30:00	0.1	-0.31	-1.98	0.04	10.75	150	100
2018-07-18 10:45:00	-1	-1.41	-3.39	1.43	14.13	150	100
2018-07-18 11:00:00	-4.31	-2.64	-4.45	-0.45	11.79	150	100
2018-07-18 11:15:00	-4.77	-1.5	-3.59	-0.23	12.06	150	100
2018-07-18 11:30:00	-1.65	0.21	-1.46	1.57	9.65	150	100
2018-07-18 11:45:00	-2.99	1.42	-3.85	1.91	10.07	150	100
2018-07-18 12:00:00	-6.07	2.57	-7.41	0.9	14.19	150	100
2018-07-18 12:15:00	-3.34	-0.95	-4.07	1.03	11.84	150	100
2018-07-18 12:30:00	-2.92	0.95	-3.48	1.82	10.06	150	100
2018-07-18 12:45:00	-2.61	0.46	-4.45	1.89	10.59	150	100
2018-07-18 13:00:00	-3.3	0.48	-4.29	2.37	11.53	150	100
2018-07-18 13:15:00	-2.28	0.49	-2.37	2.45	9.31	150	100
2018-07-18 13:30:00	-2.91	-0.58	-3.3	0.98	11.05	150	100
2018-07-18 13:45:00	-4.3	3.29	-5.35	4.31	12.09	150	100
2018-07-18 14:00:00	-3.45	-1.24	-1.39	1.53	14.93	150	100
2018-07-18 14:15:00	0.54	-0.32	2.34	0.9	13.07	150	100
2018-07-18 14:30:00	-4.43	1.93	0.56	5.02	12.37	150	100
2018-07-18 14:45:00	-1.92	-0.67	-12.32	-4.18	21.95	150	100
2018-07-18 15:00:00	-1.69	2.8	-4.08	2.02	10.56	150	100
2018-07-18 15:15:00	3.06	1.43	15.64	1.37	9.75	150	100
2018-07-18 15:30:00	-1.99	0.37	-5.92	1.5	8.18	150	100
2018-07-18 15:45:00	-9.44	-7.48	-11.07	-5.14	17.66	150	100
2018-07-18 16:00:00	-3.06	2.75	-6.17	3.61	8.85	150	100
2018-07-18 16:15:00	-2.91	3.34	-7.18	2.69	8.63	150	100
2018-07-18 16:30:00	-1.09	2.74	-6.39	2.1	8.24	150	100
2018-07-18 16:45:00	-0.12	7.07	-6.44	5.82	9.97	150	100
2018-07-18 17:00:00						150	100

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"RH CORRECT ", "ENABLED "
"Max Disp   ", 72.406707
"Max Disp @ ", 14:38:08 18-Jul-2018
"Max STEL   ", 20.972092
"Max STEL @ ", 14:48:23 18-Jul-2018
"Avg point ", 9.408664
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
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    3,   9.34, 21.8,   49,   740, 00 , 09:15:03, 18-Jul-2018
    4,   11.50, 23.4,   43,   740, 00 , 09:30:03, 18-Jul-2018
    5,   11.77, 24.5,   39,   740, 00 , 09:45:03, 18-Jul-2018
    6,   8.56, 25.4,   37,   740, 00 , 10:00:03, 18-Jul-2018
    7,   14.12, 25.8,   35,   740, 00 , 10:15:03, 18-Jul-2018
    8,   10.85, 26.3,   34,   740, 00 , 10:30:03, 18-Jul-2018
    9,   13.13, 26.9,   33,   740, 00 , 10:45:03, 18-Jul-2018
   10,   7.48, 27.3,   32,   740, 00 , 11:00:03, 18-Jul-2018
   11,   7.29, 27.5,   31,   740, 00 , 11:15:03, 18-Jul-2018
   12,   8.00, 27.6,   32,   740, 00 , 11:30:03, 18-Jul-2018
   13,   7.08, 27.8,   31,   740, 00 , 11:45:03, 18-Jul-2018
   14,   8.12, 28.0,   29,   740, 00 , 12:00:03, 18-Jul-2018
   15,   8.50, 28.3,   28,   740, 00 , 12:15:03, 18-Jul-2018
   16,   7.14, 28.7,   27,   740, 00 , 12:30:03, 18-Jul-2018
   17,   7.98, 29.3,   27,   740, 00 , 12:45:03, 18-Jul-2018
   18,   8.23, 30.4,   25,   740, 00 , 13:00:03, 18-Jul-2018
   19,   7.03, 31.1,   25,   740, 00 , 13:15:03, 18-Jul-2018
   20,   8.14, 32.0,   23,   740, 00 , 13:30:03, 18-Jul-2018
   21,   7.79, 32.8,   22,   740, 00 , 13:45:03, 18-Jul-2018
   22,   11.48, 33.7,   20,   740, 00 , 14:00:03, 18-Jul-2018
   23,   13.61, 34.4,   19,   740, 00 , 14:15:03, 18-Jul-2018
   24,   7.94, 34.5,   19,   740, 00 , 14:30:03, 18-Jul-2018
   25,   20.03, 34.8,   18,   740, 00 , 14:45:03, 18-Jul-2018
   26,   8.87, 36.3,   17,   740, 00 , 15:00:03, 18-Jul-2018
   27,   12.81, 37.2,   16,   740, 00 , 15:15:03, 18-Jul-2018
   28,   6.19, 37.4,   16,   740, 00 , 15:30:03, 18-Jul-2018
   29,   8.22, 38.0,   15,   740, 00 , 15:45:03, 18-Jul-2018
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4, 12.88, 25.3, 44, 738, 00 , 09:30:03, 18-Jul-2018
5, 10.14, 27.0, 39, 738, 00 , 09:45:03, 18-Jul-2018
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8, 8.77, 19.4, 51, 740, 00 , 10:30:03, 18-Jul-2018
9, 10.74, 19.9, 49, 740, 00 , 10:45:03, 18-Jul-2018
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12, 8.19, 21.4, 44, 740, 00 , 11:30:03, 18-Jul-2018
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21, 6.74, 27.1, 29, 740, 00 , 13:45:03, 18-Jul-2018
22, 13.54, 28.5, 26, 740, 00 , 14:00:03, 18-Jul-2018
23, 15.41, 30.1, 24, 740, 00 , 14:15:03, 18-Jul-2018
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DAILY OBSERVATION REPORT

Report No.:	42	Project File:	MN0832D	Date:	7/19/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — *an affiliate of Geosyntec Consultants*

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: James Burnett

Site Representative: James Bannantine

Arrive at Site: 0645hrs. Leave Site: 1800 hrs.

Contractor: Recon

Health & Safety: James Bannantine

Weather and Site Conditions

General Description:	Cool, partly sunny	am	Sunny	pm
Temperature:	58° F	am	~80° F	pm
Wind Direction:	5 SW	am	~5 SW	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 42 Project File: MN0832D Date: 7/19/2018

Materials Imported and Removed from Work Areas

TSCA: 19 trucks

Imported #1 and #2: 3 loads (64.23 tons)

As of 18 July 2018:

Material	Today (CY)	To Date (CY)
Soil Excavation	836	7886
Non-Haz T&D	0	0
TSCA T&D	352	4198
Backfill (Imported)	0	858
Backfill (Reuse)	0	1256

As of 18 July 2018:

TSCA Soil Removal:

Total Loads today: 19 Total Loads to date: 203

Weight: ~22 tons/each Total Weight to date: ~4950 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: Pending Total Loads to date: 15

Weight: 0 Tons Total Weight to date: ~293 Tons

Report No.: 42 Project File: MN0832D Date: 7/19/2018

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: 0 Tons Total Weight to date: 132 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: 159

Weight: ~22 Tons/each Total Weight to date: ~3343 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0645. Attended Recon safety meeting: continued excavation and backfill of Phases 2 and 3. Jim Bannantine, Jim Burnett, Elizabeth Lee, and Lauren Quickel on site. Jim Bannantine holds Geosyntec tailgate safety meeting. Review work plan for the day.
- Sarah Chase and Matt Bizjack from Geosyntec arrive for RI of Elmira High School football field.
- LQ calibrates and deploys dust monitors in the MSA and RPL. Safety note: rogue pit bull seen running wild in MSA area- LQ was accompanied by J. Ban. in MSA.
- Recon continues excavation of Phase 2 and 3; ~0-2 ft TSCA excavated.
- TSCA trucks are loaded on the loading pad, inspected by Geosyntec and Recon, and tarped.
- JB and EL observe loading of TSCA trucks and issue manifests once the trucks have been inspected.
- All trucks leaving the RPL and MSA were decontaminated before entering the haul road.
- Trucks were pressure-washed with water on the decon pad before leaving the site.
- Recon began installation of valve for water line behind school. A 2’ x 2’ trench box was installed for safe installation of valve (see Photo Log).

PM

- Recon continues Phase 2 and 3 excavation.
- Potential reuse soil overlaying TSCA from Phase 3 excavation is piled on back parking lot, to be sampled by Geosyntec.
- 19 TSCA trucks were loaded for shipment today. All trucks were inspected, and the tires were pressure washed before leaving the site.
- Recon sprayed water along the haul road and the TSCA accumulation pile several times during the day. Recon sprayed water inside the RPL haul road.
- Scott Williams of NYSDEC onsite.
- LQ and Jim Bannantine sample TSCA overlay soil placed on plastic sheeting on eastern side of RPL.

Report No.: 42 Project File: MN0832D Date: 7/19/2018

- Recon began covering piles around 1630 and securing the site.
- LQ collects dust monitors and extracts data.

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Tom Tanner
- Brian Kilkenny
- Addison Hofferth
- Brian Balog
- Scott Early
- Rich Tonnucour
- (Recon labor) X18

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- 8x40 Office Trailer
- Portable Toilets
- Hand Wash Stations
- ST-197 Dodge Ram Work Truck
- 8x20 Storage Box
- Trimble GPS System (Base, Rover, Data Collector)
- 8x20 Office Trailer
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 Containments
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Vibratory Hammer
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	DEC	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: NA

DAILY OBSERVATION REPORT

Report No.:	42	Project File:	MN0832D	Date:	7/19/2018

ITEMS OF CONCERN:

- A dust exceedance of ~170 µg/m^3 was recorded at around 1400 on the upwind dust monitor.
- Evaluating excavation plan with discovery of increased area of concrete slab
- Welliver reported that the ECSD contractor installing bus canopy in Phase I area, has damaged storm sewer line while auguring to install piles.
-

Site Representative: James Bannantine

Date: 7/19/2018

Name

James E Bannantine

Report No.:	42	Project File:	MN0832D	Date:	7/19/2018

Photo Log

Date : 7/19/2018



Morning view of site, with continuing Phase 2 and Phase 3 excavation



Trench box in excavation for protection of water valve, near K-Wing



Waddle placed around covered soil pile by from excavation for valve installation near K-Wing



Afternoon picture of Phase 2 and Phase 3 excavation

DAILY OBSERVATION REPORT

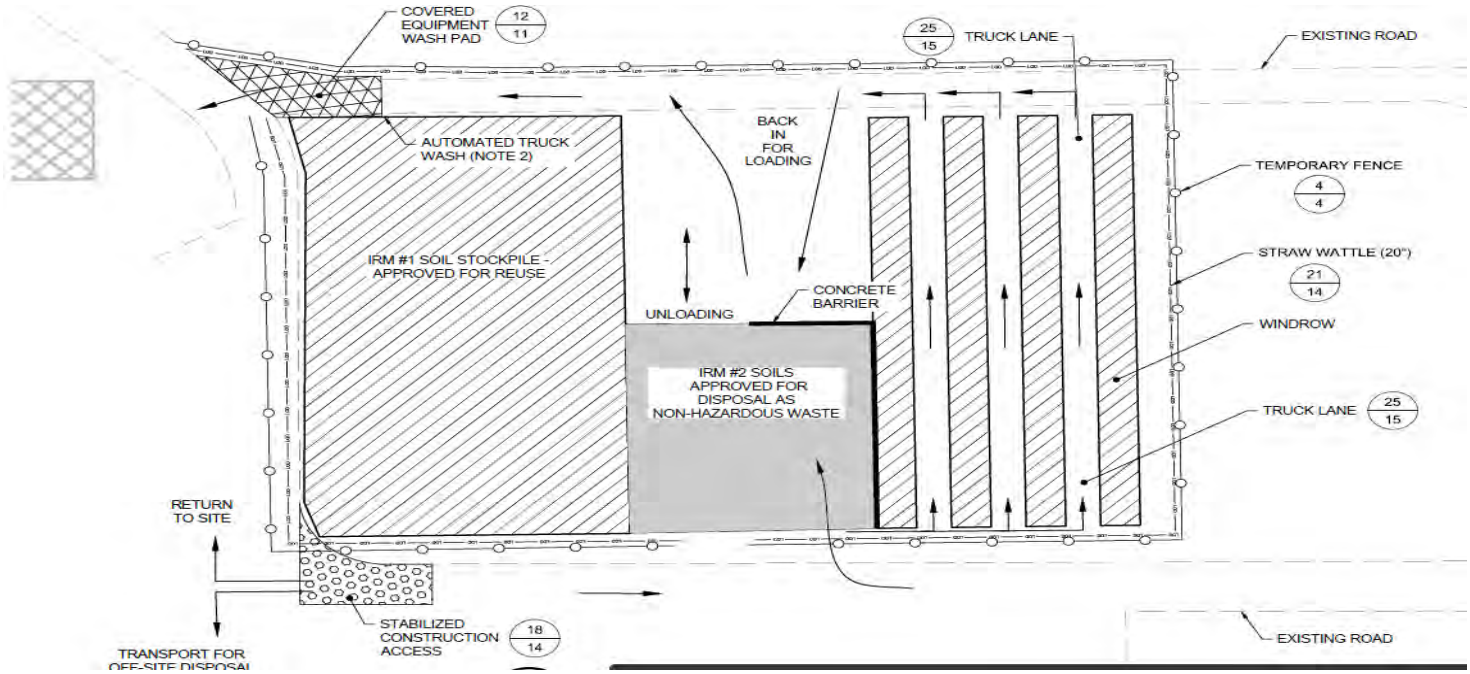
Report No.:	42	Project File:	MN0832D	Date:	7/19/2018

Site Map

Rear Parking Lot

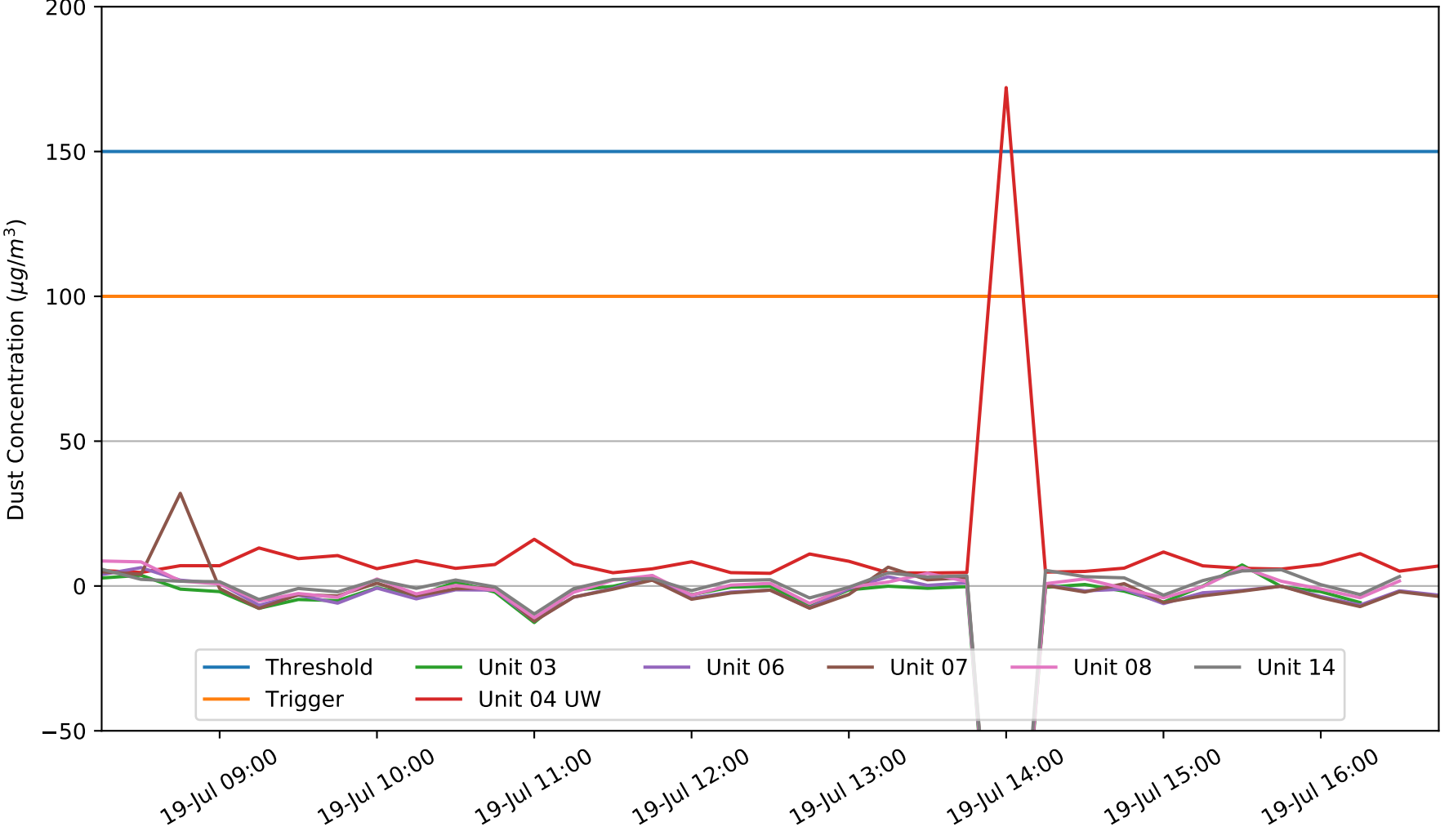


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 19-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 19-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 07	Unit 04 UW	Unit 06	Unit 08	Unit 14	Unit 03	Threshold	Trigger
2018-07-19 08:15:00	4.9	5.33	3.93	8.63	5.78	2.75	150	100
2018-07-19 08:30:00	4.03	4.67	6.33	8.32	2.29	3.7	150	100
2018-07-19 08:45:00	32	7.01	2	1.72	1.64	-1.08	150	100
2018-07-19 09:00:00	-0.89	7	0.9	0.72	1.47	-1.94	150	100
2018-07-19 09:15:00	-7.75	13.13	-6.65	-5.23	-4.67	-7.71	150	100
2018-07-19 09:30:00	-2.98	9.45	-3.14	-2.6	-0.85	-4.67	150	100
2018-07-19 09:45:00	-3.44	10.5	-5.93	-3.93	-2.02	-5.06	150	100
2018-07-19 10:00:00	0.99	5.97	-0.72	2.43	2.13	-0.61	150	100
2018-07-19 10:15:00	-3.37	8.72	-4.45	-2.75	-0.8	-3.45	150	100
2018-07-19 10:30:00	-0.97	6.09	-1.32	0.21	2.07	1.31	150	100
2018-07-19 10:45:00	-0.49	7.41	-1.42	-1.48	-0.32	-2.1	150	100
2018-07-19 11:00:00	-12.17	16.12	-12.01	-10.96	-9.65	-12.63	150	100
2018-07-19 11:15:00	-3.84	7.59	-3.84	-2.17	-0.92	-1.46	150	100
2018-07-19 11:30:00	-1.11	4.57	-0.86	1.95	2.22	-0.12	150	100
2018-07-19 11:45:00	2.01	5.92	3.59	3.62	2.57	2.87	150	100
2018-07-19 12:00:00	-4.58	8.36	-4.25	-3.14	-1.59	-3.04	150	100
2018-07-19 12:15:00	-2.41	4.61	-2.09	0.3	1.85	-0.4	150	100
2018-07-19 12:30:00	-1.43	4.37	-1.44	0.91	2.16	-0.1	150	100
2018-07-19 12:45:00	-7.68	11.05	-7.58	-6.02	-4.13	-7.12	150	100
2018-07-19 13:00:00	-2.93	8.53	-0.91	-0.42	-0.43	-1.35	150	100
2018-07-19 13:15:00	6.5	4.56	3.2	1.37	4.53	-0.07	150	100
2018-07-19 13:30:00	2.13	4.48	0.21	4.38	3.07	-0.79	150	100
2018-07-19 13:45:00	2.91	4.65	1.09	1.56	3.55	-0.24	150	100
2018-07-19 14:00:00	-165.19	172.07	-166.47	-165.27	-164.1	-168.26	150	100
2018-07-19 14:15:00	0.15	4.79	0.41	0.79	5.4	-0.46	150	100
2018-07-19 14:30:00	-2.09	5.03	-1.69	2.45	3.21	0.52	150	100
2018-07-19 14:45:00	0.81	6.16	-1.09	-0.83	2.81	-1.78	150	100
2018-07-19 15:00:00	-5.71	11.73	-6.09	-4.07	-3.16	-5.59	150	100
2018-07-19 15:15:00	-3.41	6.96	-2.34	-0.21	1.86	-0.06	150	100
2018-07-19 15:30:00	-1.79	6.11	-1.53	6.43	5.19	7.27	150	100
2018-07-19 15:45:00	-0.05	5.84	-0.07	1.63	5.59	-0.24	150	100
2018-07-19 16:00:00	-4.02	7.44	-3.61	-1.04	0.46	-1.96	150	100
2018-07-19 16:15:00	-7.12	11.17	-6.58	-4.06	-2.96	-5.71	150	100
2018-07-19 16:30:00	-1.97	5.12	-1.66	1.72	3.24		150	100
2018-07-19 16:45:00	-3.6	6.91	-3.16				150	100

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"Max Disp @ ", 08:38:13 19-Jul-2018
"Max STEL ", 42.976441
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"Avg point ", 6.424115
"ALARM ", "INSTANT "
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"Errors ", 0000
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"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 10.23, 20.6, 48, 742, 01 , 08:15:03, 19-Jul-2018
2, 8.70, 24.3, 40, 744, 00 , 08:30:03, 19-Jul-2018
3, 39.01, 27.5, 34, 744, 00 , 08:45:03, 19-Jul-2018
4, 6.11, 29.5, 31, 744, 00 , 09:00:03, 19-Jul-2018
5, 5.38, 31.4, 28, 744, 00 , 09:15:03, 19-Jul-2018
6, 6.47, 31.9, 27, 744, 00 , 09:30:03, 19-Jul-2018
7, 7.06, 32.9, 26, 744, 00 , 09:45:03, 19-Jul-2018
8, 6.96, 34.0, 24, 744, 00 , 10:00:03, 19-Jul-2018
9, 5.35, 34.9, 23, 742, 00 , 10:15:03, 19-Jul-2018
10, 5.12, 34.6, 22, 742, 00 , 10:30:03, 19-Jul-2018
11, 6.92, 34.3, 22, 742, 00 , 10:45:03, 19-Jul-2018
12, 3.95, 33.5, 22, 742, 00 , 11:00:03, 19-Jul-2018
13, 3.75, 32.2, 23, 742, 00 , 11:15:03, 19-Jul-2018
14, 3.46, 32.0, 23, 742, 00 , 11:30:03, 19-Jul-2018
15, 7.93, 32.7, 23, 742, 00 , 11:45:03, 19-Jul-2018
16, 3.78, 33.0, 21, 742, 00 , 12:00:03, 19-Jul-2018
17, 2.20, 32.2, 20, 742, 00 , 12:15:03, 19-Jul-2018
18, 2.94, 31.7, 22, 742, 00 , 12:30:03, 19-Jul-2018
19, 3.37, 31.2, 24, 742, 00 , 12:45:03, 19-Jul-2018
20, 5.60, 31.8, 24, 742, 00 , 13:00:03, 19-Jul-2018
21, 11.06, 32.4, 22, 742, 00 , 13:15:03, 19-Jul-2018
22, 6.61, 31.9, 24, 742, 00 , 13:30:03, 19-Jul-2018
23, 7.56, 31.9, 25, 742, 00 , 13:45:03, 19-Jul-2018
24, 6.88, 32.4, 24, 742, 00 , 14:00:03, 19-Jul-2018
25, 4.94, 32.1, 25, 742, 00 , 14:15:03, 19-Jul-2018
26, 2.94, 33.0, 23, 742, 00 , 14:30:03, 19-Jul-2018
27, 6.97, 33.0, 24, 742, 00 , 14:45:03, 19-Jul-2018
28, 6.02, 33.6, 24, 742, 00 , 15:00:03, 19-Jul-2018
29, 3.55, 34.9, 22, 742, 00 , 15:15:03, 19-Jul-2018
30, 4.32, 35.0, 22, 742, 00 , 15:30:03, 19-Jul-2018
31, 5.79, 35.4, 22, 742, 00 , 15:45:03, 19-Jul-2018
32, 3.42, 36.0, 21, 742, 00 , 16:00:03, 19-Jul-2018
33, 4.05, 35.1, 22, 742, 00 , 16:15:03, 19-Jul-2018
34, 3.15, 35.4, 21, 742, 00 , 16:30:03, 19-Jul-2018
35, 3.31, 36.0, 21, 742, 00 , 16:45:03, 19-Jul-2018

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"RH CORRECT ", "ENABLED "
"Max Disp ", 2471.805811
"Max Disp @ ", 13:53:34 19-Jul-2018
"Max STEL ", 172.231579
"Max STEL @ ", 14:05:03 19-Jul-2018
"Avg point ", 11.983286
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 5.33, 14.0, 67, 744, 01 , 08:15:03, 19-Jul-2018
2, 4.67, 14.6, 69, 742, 01 , 08:30:03, 19-Jul-2018
3, 7.01, 17.7, 60, 744, 01 , 08:45:03, 19-Jul-2018
4, 7.00, 20.7, 52, 744, 01 , 09:00:03, 19-Jul-2018
5, 13.13, 22.6, 46, 744, 01 , 09:15:03, 19-Jul-2018
6, 9.45, 24.7, 41, 744, 01 , 09:30:03, 19-Jul-2018
7, 10.50, 26.4, 38, 744, 01 , 09:45:03, 19-Jul-2018
8, 5.97, 27.9, 34, 744, 01 , 10:00:03, 19-Jul-2018
9, 8.72, 29.0, 31, 744, 01 , 10:15:03, 19-Jul-2018
10, 6.09, 29.3, 29, 744, 01 , 10:30:03, 19-Jul-2018
11, 7.41, 29.7, 28, 744, 01 , 10:45:03, 19-Jul-2018
12, 16.12, 30.3, 27, 744, 01 , 11:00:03, 19-Jul-2018
13, 7.59, 30.8, 25, 744, 01 , 11:15:03, 19-Jul-2018
14, 4.57, 31.3, 24, 744, 01 , 11:30:03, 19-Jul-2018
15, 5.92, 31.3, 23, 744, 01 , 11:45:03, 19-Jul-2018
16, 8.36, 31.0, 22, 744, 01 , 12:00:03, 19-Jul-2018
17, 4.61, 31.7, 20, 744, 01 , 12:15:03, 19-Jul-2018
18, 4.37, 32.3, 21, 744, 01 , 12:30:03, 19-Jul-2018
19, 11.05, 32.4, 22, 744, 01 , 12:45:03, 19-Jul-2018
20, 8.53, 32.9, 21, 744, 01 , 13:00:03, 19-Jul-2018
21, 4.56, 33.3, 21, 744, 01 , 13:15:03, 19-Jul-2018
22, 4.48, 33.7, 22, 744, 01 , 13:30:03, 19-Jul-2018
23, 4.65, 34.2, 22, 744, 01 , 13:45:03, 19-Jul-2018
24, 172.07, 34.5, 22, 744, 01 , 14:00:03, 19-Jul-2018
25, 4.79, 34.3, 22, 744, 01 , 14:15:03, 19-Jul-2018
26, 5.03, 34.3, 22, 744, 01 , 14:30:03, 19-Jul-2018
27, 6.16, 34.4, 22, 744, 01 , 14:45:03, 19-Jul-2018
28, 11.73, 34.2, 22, 742, 01 , 15:00:03, 19-Jul-2018
29, 6.96, 34.1, 22, 742, 01 , 15:15:03, 19-Jul-2018
30, 6.11, 34.2, 22, 742, 01 , 15:30:03, 19-Jul-2018
31, 5.84, 33.9, 23, 742, 01 , 15:45:03, 19-Jul-2018
32, 7.44, 34.2, 23, 742, 01 , 16:00:03, 19-Jul-2018
33, 11.17, 35.1, 23, 742, 01 , 16:15:03, 19-Jul-2018
34, 5.12, 35.5, 21, 742, 01 , 16:30:03, 19-Jul-2018
35, 6.91, 35.9, 22, 742, 01 , 16:45:03, 19-Jul-2018

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"Max Disp @ ", 11:39:39 19-Jul-2018
"Max STEL ", 12.313502
"Max STEL @ ", 08:39:43 19-Jul-2018
"Avg point ", 5.434090
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 9.26, 14.6, 50, 744, 00 , 08:15:03, 19-Jul-2018
2, 11.00, 18.0, 42, 744, 00 , 08:30:03, 19-Jul-2018
3, 9.01, 21.6, 34, 744, 00 , 08:45:03, 19-Jul-2018
4, 7.90, 23.6, 31, 744, 00 , 09:00:03, 19-Jul-2018
5, 6.48, 25.5, 29, 744, 02 , 09:15:03, 19-Jul-2018
6, 6.31, 26.7, 27, 744, 02 , 09:30:03, 19-Jul-2018
7, 4.57, 27.8, 26, 744, 02 , 09:45:03, 19-Jul-2018
8, 5.25, 29.4, 22, 744, 02 , 10:00:03, 19-Jul-2018
9, 4.27, 30.4, 21, 744, 02 , 10:15:03, 19-Jul-2018
10, 4.77, 30.0, 20, 744, 02 , 10:30:03, 19-Jul-2018
11, 5.99, 29.8, 19, 744, 02 , 10:45:03, 19-Jul-2018
12, 4.11, 29.5, 19, 744, 02 , 11:00:03, 19-Jul-2018
13, 3.75, 28.9, 20, 744, 02 , 11:15:03, 19-Jul-2018
14, 3.71, 28.6, 20, 744, 02 , 11:30:03, 19-Jul-2018
15, 9.51, 29.2, 20, 744, 02 , 11:45:03, 19-Jul-2018
16, 4.11, 29.1, 18, 744, 02 , 12:00:03, 19-Jul-2018
17, 2.52, 28.8, 17, 744, 02 , 12:15:03, 19-Jul-2018
18, 2.93, 28.7, 18, 744, 02 , 12:30:03, 19-Jul-2018
19, 3.47, 28.6, 20, 744, 02 , 12:45:03, 19-Jul-2018
20, 7.62, 28.9, 18, 744, 02 , 13:00:03, 19-Jul-2018
21, 7.76, 29.0, 18, 744, 02 , 13:15:03, 19-Jul-2018
22, 4.69, 28.5, 21, 744, 02 , 13:30:03, 19-Jul-2018
23, 5.74, 28.3, 22, 744, 02 , 13:45:03, 19-Jul-2018
24, 5.60, 28.5, 22, 744, 02 , 14:00:03, 19-Jul-2018
25, 5.20, 28.1, 23, 742, 02 , 14:15:03, 19-Jul-2018
26, 3.34, 28.8, 21, 742, 02 , 14:30:03, 19-Jul-2018
27, 5.07, 29.0, 19, 742, 02 , 14:45:03, 19-Jul-2018
28, 5.64, 29.2, 20, 742, 02 , 15:00:03, 19-Jul-2018
29, 4.62, 30.3, 19, 742, 02 , 15:15:03, 19-Jul-2018
30, 4.58, 30.7, 19, 742, 02 , 15:30:03, 19-Jul-2018
31, 5.77, 30.8, 20, 742, 02 , 15:45:03, 19-Jul-2018
32, 3.83, 31.3, 19, 742, 02 , 16:00:03, 19-Jul-2018
33, 4.59, 30.7, 19, 742, 02 , 16:15:03, 19-Jul-2018
34, 3.46, 30.9, 18, 742, 02 , 16:30:03, 19-Jul-2018
35, 3.75, 31.2, 19, 742, 02 , 16:45:03, 19-Jul-2018

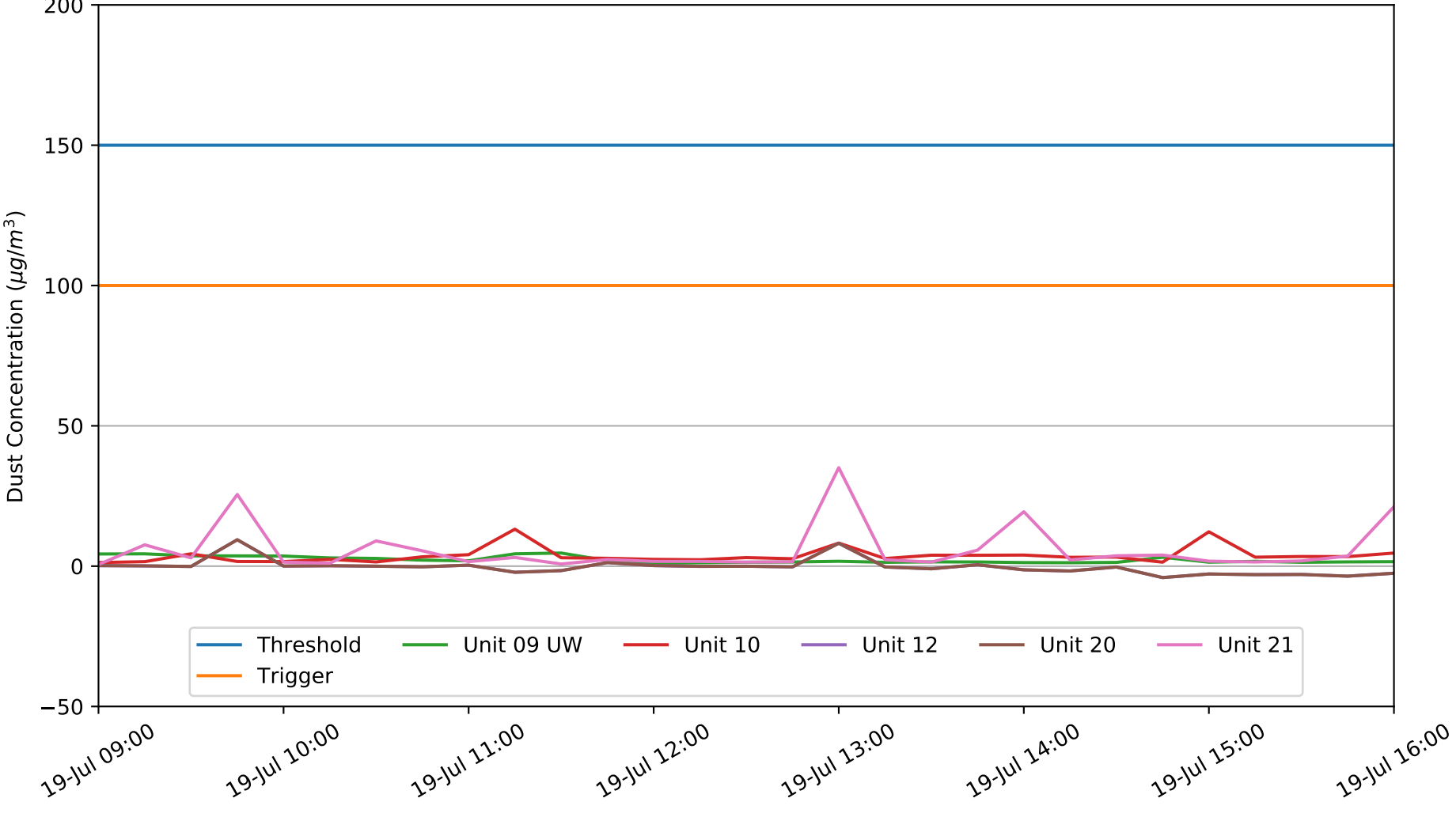
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"Max STEL @ ", 08:23:53 19-Jul-2018
"Avg point ", 7.279064
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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
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2, 12.99, 17.4, 60, 742, 00 , 08:30:03, 19-Jul-2018
3, 8.73, 19.0, 53, 742, 00 , 08:45:03, 19-Jul-2018
4, 7.72, 20.8, 48, 742, 00 , 09:00:03, 19-Jul-2018
5, 7.90, 22.5, 42, 742, 00 , 09:15:03, 19-Jul-2018
6, 6.85, 24.2, 39, 742, 00 , 09:30:03, 19-Jul-2018
7, 6.57, 25.9, 36, 742, 00 , 09:45:03, 19-Jul-2018
8, 8.40, 27.7, 32, 742, 00 , 10:00:03, 19-Jul-2018
9, 5.97, 29.1, 29, 740, 00 , 10:15:03, 19-Jul-2018
10, 6.30, 30.2, 27, 740, 00 , 10:30:03, 19-Jul-2018
11, 5.93, 30.9, 25, 740, 00 , 10:45:03, 19-Jul-2018
12, 5.16, 31.8, 23, 740, 00 , 11:00:03, 19-Jul-2018
13, 5.42, 32.9, 21, 740, 00 , 11:15:03, 19-Jul-2018
14, 6.52, 33.0, 20, 740, 00 , 11:30:03, 19-Jul-2018
15, 9.54, 32.7, 21, 740, 00 , 11:45:03, 19-Jul-2018
16, 5.22, 32.0, 20, 740, 00 , 12:00:03, 19-Jul-2018
17, 4.91, 31.7, 18, 740, 00 , 12:15:03, 19-Jul-2018
18, 5.28, 31.8, 19, 740, 00 , 12:30:03, 19-Jul-2018
19, 5.03, 32.2, 20, 740, 00 , 12:45:03, 19-Jul-2018
20, 8.11, 32.6, 20, 740, 00 , 13:00:03, 19-Jul-2018
21, 5.93, 32.7, 20, 740, 00 , 13:15:03, 19-Jul-2018
22, 8.86, 32.5, 21, 740, 00 , 13:30:03, 19-Jul-2018
23, 6.21, 32.7, 21, 740, 00 , 13:45:03, 19-Jul-2018
24, 6.80, 33.0, 21, 740, 00 , 14:00:03, 19-Jul-2018
25, 5.58, 33.0, 21, 740, 00 , 14:15:03, 19-Jul-2018
26, 7.48, 33.0, 21, 740, 00 , 14:30:03, 19-Jul-2018
27, 5.33, 34.3, 19, 740, 00 , 14:45:03, 19-Jul-2018
28, 7.66, 36.8, 18, 740, 00 , 15:00:03, 19-Jul-2018
29, 6.75, 39.2, 15, 740, 00 , 15:15:03, 19-Jul-2018
30, 12.54, 41.5, 13, 740, 00 , 15:30:03, 19-Jul-2018
31, 7.47, 42.4, 13, 740, 00 , 15:45:03, 19-Jul-2018
32, 6.40, 43.5, 11, 740, 00 , 16:00:03, 19-Jul-2018
33, 7.11, 45.1, 10, 738, 00 , 16:15:03, 19-Jul-2018
34, 6.84, 45.4, 10, 738, 00 , 16:30:03, 19-Jul-2018

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 08:02:54 19-Jul-2018
"Max STEL ", 12.533754
"Max STEL @ ", 15:35:13 19-Jul-2018
"Avg point ", 8.234866
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
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2, 6.96, 17.2, 60, 742, 00 , 08:30:03, 19-Jul-2018
3, 8.65, 19.3, 55, 742, 00 , 08:45:03, 19-Jul-2018
4, 8.47, 21.4, 51, 742, 00 , 09:00:03, 19-Jul-2018
5, 8.46, 23.2, 46, 742, 00 , 09:15:03, 19-Jul-2018
6, 8.60, 25.3, 41, 742, 00 , 09:30:03, 19-Jul-2018
7, 8.48, 26.3, 39, 742, 00 , 09:45:03, 19-Jul-2018
8, 8.10, 27.6, 35, 742, 00 , 10:00:03, 19-Jul-2018
9, 7.92, 29.2, 32, 742, 00 , 10:15:03, 19-Jul-2018
10, 8.16, 29.3, 30, 742, 00 , 10:30:03, 19-Jul-2018
11, 7.09, 29.1, 30, 742, 00 , 10:45:03, 19-Jul-2018
12, 6.47, 29.0, 28, 742, 00 , 11:00:03, 19-Jul-2018
13, 6.67, 29.2, 27, 742, 00 , 11:15:03, 19-Jul-2018
14, 6.79, 29.5, 26, 742, 00 , 11:30:03, 19-Jul-2018
15, 8.49, 29.8, 27, 742, 00 , 11:45:03, 19-Jul-2018
16, 6.77, 29.8, 25, 742, 00 , 12:00:03, 19-Jul-2018
17, 6.46, 30.3, 23, 742, 00 , 12:15:03, 19-Jul-2018
18, 6.53, 30.9, 23, 742, 00 , 12:30:03, 19-Jul-2018
19, 6.92, 32.0, 23, 742, 00 , 12:45:03, 19-Jul-2018
20, 8.10, 33.3, 21, 742, 00 , 13:00:03, 19-Jul-2018
21, 9.09, 33.8, 21, 742, 00 , 13:15:03, 19-Jul-2018
22, 7.55, 33.7, 21, 742, 00 , 13:30:03, 19-Jul-2018
23, 8.20, 33.4, 22, 742, 00 , 13:45:03, 19-Jul-2018
24, 7.97, 33.3, 23, 742, 00 , 14:00:03, 19-Jul-2018
25, 10.19, 33.3, 23, 742, 00 , 14:15:03, 19-Jul-2018
26, 8.24, 34.4, 22, 740, 00 , 14:30:03, 19-Jul-2018
27, 8.97, 34.9, 21, 740, 00 , 14:45:03, 19-Jul-2018
28, 8.57, 32.0, 25, 740, 00 , 15:00:03, 19-Jul-2018
29, 8.82, 30.4, 27, 740, 00 , 15:15:03, 19-Jul-2018
30, 11.30, 29.5, 28, 740, 00 , 15:30:03, 19-Jul-2018
31, 11.43, 28.6, 30, 740, 00 , 15:45:03, 19-Jul-2018
32, 7.90, 28.7, 30, 740, 00 , 16:00:03, 19-Jul-2018
33, 8.21, 30.2, 28, 740, 00 , 16:15:03, 19-Jul-2018
34, 8.36, 30.8, 27, 740, 00 , 16:30:03, 19-Jul-2018

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"Start Date ", 19-Jul-2018
"Log Period ", 00:15:00
"Number ", 33
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 80.261345
"Max Disp @ ", 15:21:55 19-Jul-2018
"Max STEL ", 13.768367
"Max STEL @ ", 15:32:33 19-Jul-2018
"Avg point ", 5.691562
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 8.08, 13.2, 69, 742, 01 , 08:15:03, 19-Jul-2018
2, 8.37, 12.7, 77, 742, 00 , 08:30:03, 19-Jul-2018
3, 5.93, 12.4, 79, 742, 00 , 08:45:03, 19-Jul-2018
4, 5.06, 12.5, 82, 742, 00 , 09:00:03, 19-Jul-2018
5, 5.42, 12.8, 81, 742, 00 , 09:15:03, 19-Jul-2018
6, 4.78, 13.4, 81, 742, 00 , 09:30:03, 19-Jul-2018
7, 5.44, 14.2, 79, 742, 00 , 09:45:03, 19-Jul-2018
8, 5.36, 15.2, 75, 742, 00 , 10:00:03, 19-Jul-2018
9, 5.27, 16.3, 71, 742, 00 , 10:15:03, 19-Jul-2018
10, 7.40, 17.6, 62, 742, 00 , 10:30:03, 19-Jul-2018
11, 5.31, 19.4, 58, 742, 00 , 10:45:03, 19-Jul-2018
12, 3.49, 21.4, 58, 742, 00 , 11:00:03, 19-Jul-2018
13, 6.13, 23.4, 49, 742, 00 , 11:15:03, 19-Jul-2018
14, 4.45, 25.2, 43, 742, 00 , 11:30:03, 19-Jul-2018
15, 8.79, 26.9, 37, 742, 00 , 11:45:03, 19-Jul-2018
16, 5.32, 28.2, 36, 742, 00 , 12:00:03, 19-Jul-2018
17, 4.21, 29.6, 30, 742, 00 , 12:15:03, 19-Jul-2018
18, 4.27, 30.9, 32, 742, 00 , 12:30:03, 19-Jul-2018
19, 3.93, 32.3, 31, 742, 00 , 12:45:03, 19-Jul-2018
20, 7.18, 33.5, 27, 742, 00 , 13:00:03, 19-Jul-2018
21, 4.49, 34.2, 26, 742, 00 , 13:15:03, 19-Jul-2018
22, 3.69, 35.0, 27, 742, 00 , 13:30:03, 19-Jul-2018
23, 4.41, 36.0, 27, 742, 00 , 13:45:03, 19-Jul-2018
24, 3.81, 36.9, 26, 742, 00 , 14:00:03, 19-Jul-2018
25, 4.33, 37.8, 24, 742, 00 , 14:15:03, 19-Jul-2018
26, 5.55, 38.7, 23, 742, 00 , 14:30:03, 19-Jul-2018
27, 4.38, 39.9, 23, 742, 00 , 14:45:03, 19-Jul-2018
28, 6.14, 40.9, 20, 742, 00 , 15:00:03, 19-Jul-2018
29, 6.90, 40.8, 18, 742, 00 , 15:15:03, 19-Jul-2018
30, 13.38, 40.5, 19, 742, 00 , 15:30:03, 19-Jul-2018
31, 5.60, 40.4, 20, 740, 00 , 15:45:03, 19-Jul-2018
32, 5.48, 40.8, 20, 740, 00 , 16:00:03, 19-Jul-2018
33, 5.46, 42.5, 19, 740, 00 , 16:15:03, 19-Jul-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 19-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 19-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 21	Unit 09 UW	Unit 20	Unit 10	Unit 12	Threshold	Trigger
2018-07-19 09:00:00	0.58	4.34	0.19	1.28	0.19	150	100
2018-07-19 09:15:00	7.6	4.39	0.1	1.6	0.1	150	100
2018-07-19 09:30:00	2.95	3.66	-0.11	4.4	-0.11	150	100
2018-07-19 09:45:00	25.54	3.66	9.41	1.66	9.41	150	100
2018-07-19 10:00:00	1.42	3.6	0.03	1.62	0.03	150	100
2018-07-19 10:15:00	1.05	2.94	0.15	2.43	0.15	150	100
2018-07-19 10:30:00	9	2.76	-0.01	1.5	-0.01	150	100
2018-07-19 10:45:00	5.47	2.14	-0.23	3.33	-0.23	150	100
2018-07-19 11:00:00	1.61	1.91	0.35	4.08	0.35	150	100
2018-07-19 11:15:00	3.11	4.4	-2.18	13.18	-2.18	150	100
2018-07-19 11:30:00	0.76	4.68	-1.59	2.99	-1.59	150	100
2018-07-19 11:45:00	2.38	1.94	1.27	2.8	1.27	150	100
2018-07-19 12:00:00	1.7	1	0.21	2.42	0.21	150	100
2018-07-19 12:15:00	1.69	1.22	-0.07	2.28	-0.07	150	100
2018-07-19 12:30:00	1.44	1.39	-0.02	3.05	-0.02	150	100
2018-07-19 12:45:00	1.56	1.48	-0.25	2.64	-0.25	150	100
2018-07-19 13:00:00	35.09	1.74	8.16	8.23	8.16	150	100
2018-07-19 13:15:00	2.29	1.37	-0.29	2.72	-0.29	150	100
2018-07-19 13:30:00	1.44	1.52	-0.94	3.9	-0.94	150	100
2018-07-19 13:45:00	5.71	1.49	0.5	3.88	0.5	150	100
2018-07-19 14:00:00	19.4	1.27	-1.31	3.95	-1.31	150	100
2018-07-19 14:15:00	2.22	1.23	-1.72	3.16	-1.72	150	100
2018-07-19 14:30:00	3.7	1.33	-0.31	3.23	-0.31	150	100
2018-07-19 14:45:00	3.94	3.17	-4.07	1.41	-4.07	150	100
2018-07-19 15:00:00	1.78	1.41	-2.79	12.25	-2.79	150	100
2018-07-19 15:15:00	1.49	1.72	-3.02	3.2	-3.02	150	100
2018-07-19 15:30:00	1.86	1.38	-2.96	3.44	-2.96	150	100
2018-07-19 15:45:00	3.59	1.51	-3.56	3.4	-3.56	150	100
2018-07-19 16:00:00	21.19	1.59	-2.53	4.67	-2.53	150	100

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"Serial no. ", "0115249059"
"Tag Number ", 21
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"Start Date ", 19-Jul-2018
"Log Period ", 00:15:00
"Number ", 29
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 459.642124
"Max Disp @ ", 12:57:26 19-Jul-2018
"Max STEL ", 37.638488
"Max STEL @ ", 13:08:53 19-Jul-2018
"Avg point ", 8.200150
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 4.92, 15.9, 50, 742, 01 , 09:00:03, 19-Jul-2018
2, 11.99, 16.6, 51, 742, 00 , 09:15:03, 19-Jul-2018
3, 6.61, 17.9, 49, 742, 00 , 09:30:03, 19-Jul-2018
4, 29.20, 19.1, 46, 742, 00 , 09:45:03, 19-Jul-2018
5, 5.02, 20.0, 45, 742, 00 , 10:00:03, 19-Jul-2018
6, 3.99, 21.2, 41, 742, 00 , 10:15:03, 19-Jul-2018
7, 11.76, 22.7, 36, 742, 00 , 10:30:03, 19-Jul-2018
8, 7.61, 23.2, 33, 742, 00 , 10:45:03, 19-Jul-2018
9, 3.52, 23.6, 33, 742, 00 , 11:00:03, 19-Jul-2018
10, 7.51, 23.6, 34, 742, 00 , 11:15:03, 19-Jul-2018
11, 5.44, 23.4, 32, 742, 00 , 11:30:03, 19-Jul-2018
12, 4.32, 23.5, 31, 742, 00 , 11:45:03, 19-Jul-2018
13, 2.70, 24.3, 28, 742, 00 , 12:00:03, 19-Jul-2018
14, 2.91, 25.3, 25, 742, 00 , 12:15:03, 19-Jul-2018
15, 2.83, 26.6, 25, 742, 00 , 12:30:03, 19-Jul-2018
16, 3.04, 27.9, 24, 742, 00 , 12:45:03, 19-Jul-2018
17, 36.83, 29.8, 23, 742, 00 , 13:00:03, 19-Jul-2018
18, 3.66, 31.3, 21, 742, 00 , 13:15:03, 19-Jul-2018
19, 2.96, 32.7, 19, 742, 00 , 13:30:03, 19-Jul-2018
20, 7.20, 33.6, 17, 742, 00 , 13:45:03, 19-Jul-2018
21, 20.67, 34.7, 16, 742, 00 , 14:00:03, 19-Jul-2018
22, 3.45, 35.7, 16, 742, 00 , 14:15:03, 19-Jul-2018
23, 5.03, 37.1, 15, 742, 00 , 14:30:03, 19-Jul-2018
24, 7.11, 38.1, 15, 742, 00 , 14:45:03, 19-Jul-2018
25, 3.19, 38.3, 13, 742, 00 , 15:00:03, 19-Jul-2018
26, 3.21, 37.7, 14, 742, 00 , 15:15:03, 19-Jul-2018
27, 3.24, 39.1, 12, 742, 00 , 15:30:03, 19-Jul-2018
28, 5.10, 40.2, 12, 742, 00 , 15:45:03, 19-Jul-2018
29, 22.78, 42.1, 12, 742, 00 , 16:00:03, 19-Jul-2018

>"Model Number", "PDR-1500", 01.34
"Serial no. ", "0115248912"
"Tag Number ", 37
"Start Time ", 08:45:03
"Start Date ", 19-Jul-2018
"Log Period ", 00:15:00
"Number ", 29
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 30.924921
"Max Disp @ ", 11:03:00 19-Jul-2018
"Max STEL ", 5.102745
"Max STEL @ ", 11:16:33 19-Jul-2018
"Avg point ", 2.284385
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 4.34, 17.0, 52, 740, 07 , 09:00:03, 19-Jul-2018
2, 4.39, 17.9, 55, 740, 00 , 09:15:03, 19-Jul-2018
3, 3.66, 18.9, 55, 742, 00 , 09:30:03, 19-Jul-2018
4, 3.66, 20.4, 52, 742, 00 , 09:45:03, 19-Jul-2018
5, 3.60, 21.5, 49, 740, 00 , 10:00:03, 19-Jul-2018
6, 2.94, 23.0, 46, 740, 00 , 10:15:03, 19-Jul-2018
7, 2.76, 24.5, 40, 740, 00 , 10:30:03, 19-Jul-2018
8, 2.14, 25.5, 36, 740, 00 , 10:45:03, 19-Jul-2018
9, 1.91, 26.3, 35, 740, 00 , 11:00:03, 19-Jul-2018
10, 4.40, 27.0, 36, 742, 00 , 11:15:03, 19-Jul-2018
11, 4.68, 28.3, 34, 740, 00 , 11:30:03, 19-Jul-2018
12, 1.94, 29.4, 30, 742, 00 , 11:45:03, 19-Jul-2018
13, 1.00, 30.2, 27, 740, 00 , 12:00:03, 19-Jul-2018
14, 1.22, 30.9, 23, 742, 00 , 12:15:03, 19-Jul-2018
15, 1.39, 31.3, 25, 742, 00 , 12:30:03, 19-Jul-2018
16, 1.48, 31.3, 26, 742, 00 , 12:45:03, 19-Jul-2018
17, 1.74, 31.0, 27, 740, 00 , 13:00:03, 19-Jul-2018
18, 1.37, 31.2, 28, 740, 00 , 13:15:03, 19-Jul-2018
19, 1.52, 32.0, 27, 740, 00 , 13:30:03, 19-Jul-2018
20, 1.49, 32.5, 27, 740, 00 , 13:45:03, 19-Jul-2018
21, 1.27, 33.2, 27, 740, 00 , 14:00:03, 19-Jul-2018
22, 1.23, 33.3, 27, 740, 00 , 14:15:03, 19-Jul-2018
23, 1.33, 33.7, 27, 740, 00 , 14:30:03, 19-Jul-2018
24, 3.17, 33.8, 26, 740, 00 , 14:45:03, 19-Jul-2018
25, 1.41, 33.9, 27, 740, 00 , 15:00:03, 19-Jul-2018
26, 1.72, 34.1, 26, 740, 00 , 15:15:03, 19-Jul-2018
27, 1.38, 34.6, 27, 740, 00 , 15:30:03, 19-Jul-2018
28, 1.51, 35.4, 27, 740, 00 , 15:45:03, 19-Jul-2018
29, 1.59, 36.2, 27, 740, 00 , 16:00:03, 19-Jul-2018

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"Serial no. ", "0115249190"
"Tag Number ", 19
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"Start Date ", 19-Jul-2018
"Log Period ", 00:15:00
"Number ", 29
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 121.887696
"Max Disp @ ", 12:57:10 19-Jul-2018
"Max STEL ", 13.162907
"Max STEL @ ", 09:48:13 19-Jul-2018
"Avg point ", 2.022425
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 4.53, 12.7, 59, 744, 01 , 09:00:03, 19-Jul-2018
2, 4.49, 12.2, 66, 744, 00 , 09:15:03, 19-Jul-2018
3, 3.55, 12.4, 68, 744, 00 , 09:30:03, 19-Jul-2018
4, 13.07, 12.9, 66, 744, 00 , 09:45:03, 19-Jul-2018
5, 3.63, 13.5, 64, 744, 00 , 10:00:03, 19-Jul-2018
6, 3.09, 14.3, 61, 744, 00 , 10:15:03, 19-Jul-2018
7, 2.75, 15.2, 56, 744, 00 , 10:30:03, 19-Jul-2018
8, 1.91, 16.1, 50, 744, 00 , 10:45:03, 19-Jul-2018
9, 2.26, 16.9, 48, 744, 00 , 11:00:03, 19-Jul-2018
10, 2.22, 17.6, 46, 744, 00 , 11:15:03, 19-Jul-2018
11, 3.09, 18.4, 44, 742, 00 , 11:30:03, 19-Jul-2018
12, 3.21, 19.1, 42, 742, 00 , 11:45:03, 19-Jul-2018
13, 1.21, 19.6, 36, 742, 00 , 12:00:03, 19-Jul-2018
14, 1.15, 20.2, 33, 742, 00 , 12:15:03, 19-Jul-2018
15, 1.37, 20.7, 33, 742, 00 , 12:30:03, 19-Jul-2018
16, 1.23, 21.3, 34, 742, 00 , 12:45:03, 19-Jul-2018
17, 9.90, 22.0, 33, 742, 00 , 13:00:03, 19-Jul-2018
18, 1.08, 22.9, 32, 742, 00 , 13:15:03, 19-Jul-2018
19, 0.58, 24.5, 30, 742, 00 , 13:30:03, 19-Jul-2018
20, 1.99, 26.8, 25, 742, 00 , 13:45:03, 19-Jul-2018
21, -0.04, 29.3, 22, 742, 00 , 14:00:03, 19-Jul-2018
22, -0.49, 31.2, 19, 742, 00 , 14:15:03, 19-Jul-2018
23, 1.02, 33.0, 17, 742, 00 , 14:30:03, 19-Jul-2018
24, -0.90, 34.5, 18, 742, 00 , 14:45:03, 19-Jul-2018
25, -1.38, 35.1, 15, 742, 00 , 15:00:03, 19-Jul-2018
26, -1.30, 34.7, 15, 742, 00 , 15:15:03, 19-Jul-2018
27, -1.58, 36.4, 13, 742, 00 , 15:30:03, 19-Jul-2018
28, -2.05, 38.1, 13, 742, 00 , 15:45:03, 19-Jul-2018
29, -0.94, 40.0, 12, 740, 00 , 16:00:03, 19-Jul-2018

>"Model Number", "PDR-1500", 01.34
"Serial no. ", "0115248913"
"Tag Number ", 4
"Start Time ", 08:45:03
"Start Date ", 19-Jul-2018
"Log Period ", 00:15:00
"Number ", 29
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 179.131260
"Max Disp @ ", 11:03:53 19-Jul-2018
"Max STEL ", 19.890915
"Max STEL @ ", 11:08:43 19-Jul-2018
"Avg point ", 6.033218
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 5.62, 20.1, 48, 742, 01 , 09:00:03, 19-Jul-2018
2, 5.99, 22.7, 42, 742, 00 , 09:15:03, 19-Jul-2018
3, 8.06, 24.0, 40, 742, 00 , 09:30:03, 19-Jul-2018
4, 5.32, 23.6, 41, 742, 00 , 09:45:03, 19-Jul-2018
5, 5.22, 23.3, 42, 742, 00 , 10:00:03, 19-Jul-2018
6, 5.37, 23.3, 41, 742, 00 , 10:15:03, 19-Jul-2018
7, 4.26, 23.6, 38, 742, 00 , 10:30:03, 19-Jul-2018
8, 5.47, 23.9, 36, 742, 00 , 10:45:03, 19-Jul-2018
9, 5.99, 24.0, 35, 742, 00 , 11:00:03, 19-Jul-2018
10, 17.58, 24.3, 35, 742, 00 , 11:15:03, 19-Jul-2018
11, 7.67, 25.0, 33, 742, 00 , 11:30:03, 19-Jul-2018
12, 4.74, 25.8, 31, 742, 00 , 11:45:03, 19-Jul-2018
13, 3.42, 26.3, 28, 742, 00 , 12:00:03, 19-Jul-2018
14, 3.50, 27.0, 26, 742, 00 , 12:15:03, 19-Jul-2018
15, 4.44, 27.6, 28, 742, 00 , 12:30:03, 19-Jul-2018
16, 4.12, 27.9, 28, 742, 00 , 12:45:03, 19-Jul-2018
17, 9.97, 28.3, 28, 742, 00 , 13:00:03, 19-Jul-2018
18, 4.09, 28.9, 28, 742, 00 , 13:15:03, 19-Jul-2018
19, 5.42, 29.2, 27, 742, 00 , 13:30:03, 19-Jul-2018
20, 5.37, 29.6, 26, 742, 00 , 13:45:03, 19-Jul-2018
21, 5.22, 29.4, 27, 742, 00 , 14:00:03, 19-Jul-2018
22, 4.39, 29.7, 27, 740, 00 , 14:15:03, 19-Jul-2018
23, 4.56, 29.9, 27, 740, 00 , 14:30:03, 19-Jul-2018
24, 4.58, 30.1, 26, 740, 00 , 14:45:03, 19-Jul-2018
25, 13.66, 30.6, 27, 740, 00 , 15:00:03, 19-Jul-2018
26, 4.92, 31.1, 25, 740, 00 , 15:15:03, 19-Jul-2018
27, 4.82, 30.8, 26, 740, 00 , 15:30:03, 19-Jul-2018
28, 4.91, 30.8, 26, 740, 00 , 15:45:03, 19-Jul-2018
29, 6.26, 30.7, 27, 740, 00 , 16:00:03, 19-Jul-2018

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"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 12:57:10 19-Jul-2018
"Max STEL ", 13.162907
"Max STEL @ ", 09:48:13 19-Jul-2018
"Avg point ", 2.022425
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 4.53, 12.7, 59, 744, 01 , 09:00:03, 19-Jul-2018
2, 4.49, 12.2, 66, 744, 00 , 09:15:03, 19-Jul-2018
3, 3.55, 12.4, 68, 744, 00 , 09:30:03, 19-Jul-2018
4, 13.07, 12.9, 66, 744, 00 , 09:45:03, 19-Jul-2018
5, 3.63, 13.5, 64, 744, 00 , 10:00:03, 19-Jul-2018
6, 3.09, 14.3, 61, 744, 00 , 10:15:03, 19-Jul-2018
7, 2.75, 15.2, 56, 744, 00 , 10:30:03, 19-Jul-2018
8, 1.91, 16.1, 50, 744, 00 , 10:45:03, 19-Jul-2018
9, 2.26, 16.9, 48, 744, 00 , 11:00:03, 19-Jul-2018
10, 2.22, 17.6, 46, 744, 00 , 11:15:03, 19-Jul-2018
11, 3.09, 18.4, 44, 742, 00 , 11:30:03, 19-Jul-2018
12, 3.21, 19.1, 42, 742, 00 , 11:45:03, 19-Jul-2018
13, 1.21, 19.6, 36, 742, 00 , 12:00:03, 19-Jul-2018
14, 1.15, 20.2, 33, 742, 00 , 12:15:03, 19-Jul-2018
15, 1.37, 20.7, 33, 742, 00 , 12:30:03, 19-Jul-2018
16, 1.23, 21.3, 34, 742, 00 , 12:45:03, 19-Jul-2018
17, 9.90, 22.0, 33, 742, 00 , 13:00:03, 19-Jul-2018
18, 1.08, 22.9, 32, 742, 00 , 13:15:03, 19-Jul-2018
19, 0.58, 24.5, 30, 742, 00 , 13:30:03, 19-Jul-2018
20, 1.99, 26.8, 25, 742, 00 , 13:45:03, 19-Jul-2018
21, -0.04, 29.3, 22, 742, 00 , 14:00:03, 19-Jul-2018
22, -0.49, 31.2, 19, 742, 00 , 14:15:03, 19-Jul-2018
23, 1.02, 33.0, 17, 742, 00 , 14:30:03, 19-Jul-2018
24, -0.90, 34.5, 18, 742, 00 , 14:45:03, 19-Jul-2018
25, -1.38, 35.1, 15, 742, 00 , 15:00:03, 19-Jul-2018
26, -1.30, 34.7, 15, 742, 00 , 15:15:03, 19-Jul-2018
27, -1.58, 36.4, 13, 742, 00 , 15:30:03, 19-Jul-2018
28, -2.05, 38.1, 13, 742, 00 , 15:45:03, 19-Jul-2018
29, -0.94, 40.0, 12, 740, 00 , 16:00:03, 19-Jul-2018

DAILY OBSERVATION REPORT

Report No.:	43	Project File:	MN0832D	Date:	7/20/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — *an affiliate of Geosyntec Consultants*

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: James Burnett

Site Representative: James Bannantine

Arrive at Site: 0645hrs. Leave Site: 1800 hrs.

Contractor: Recon

Health & Safety: James Bannantine

Weather and Site Conditions

General Description:	Cool, partly sunny	am	Sunny	pm
Temperature:	55° F	am	87° F	pm
Wind Direction:	1 SW	am	~5 SW	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☒	No ☐	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 43 Project File: MN0832D Date: 7/20/2018

Materials Imported and Removed from Work Areas

TSCA: 10 trucks

Imported #3 and #4: 5 loads (106 tons)

As of 19 July 2018:

Material	Today (CY)	To Date (CY)
Soil Excavation	Pending	7886
Non-Haz T&D	Pending	0
TSCA T&D	Pending	4198
Backfill (Imported)	0	858
Backfill (Reuse)	0	1256

As of 19 July 2018:

TSCA Soil Removal:

Total Loads today: 10 Total Loads to date: 194

Weight: ~22 tons/each Total Weight to date: ~4752 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 15

Weight: 0 Tons Total Weight to date: ~293 Tons

Report No.: 43 Project File: MN0832D Date: 7/20/2018

Imported #3(3-4) Run of Crusher:

Total Loads today: 5 Total Loads to date: 10

Weight: 106 Tons Total Weight to date: 238 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: 159

Weight: ~22 Tons/each Total Weight to date: ~3343 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Arrived on site at 0645. Attended Recon safety meeting: continued excavation of Phases 2 and 3, with plans to lay down demarcation liner in section of Phase 3 this afternoon. Jim Bannantine, Jim Burnett, Elizabeth Lee, and Lauren Quickel were on site. Jim Bannantine holds Geosyntec tailgate safety meeting. Review work plan for the day.
- LQ calibrates dust monitors; LQ and EL deploy dust monitors in the MSA and RPL.
- Recon continues excavation of Phase 2 and 3.
- EL and LQ document the location of the storm sewer line in respect to the school and two storm sewer manholes in the Phase 1-Phase 2 region.
- J.Ban, Bill Abraczisnkas, and Rich Tonnucour meet with Sterling representative Amanda Castignetti to discuss storm sewer line rupture, sampling plan for material beneath top 10 ft of fill, and planned area for excavation material.
- Demarcation liner is laid down in western section of Phase 3.
- TSCA trucks are loaded on the loading pad, inspected by Geosyntec and Recon, and tarped.
- JB observes loading of TSCA trucks and issues manifests once the trucks have been inspected.
- All trucks leaving the RPL and MSA were decontaminated before entering the haul road.
- Trucks were pressure-washed with water on the decon pad before leaving the site.

PM

- Scott Williams of NYSDEC onsite.
- Excavation down to storm sewer line completed. Two holes in sewer line exposed. Elmira Structures Inc. subcontractor Neally-DeJong Excavating attempted to use a dry-vacuum to suck out potentially contaminated material from inside pipe. For ease of excavation, a section of pipe was sawed open for manual removal of material.
- 10 TSCA trucks were loaded for shipment today. All trucks were inspected, and the tires were pressure washed before leaving the site.
- Recon sprayed water along the haul road and the TSCA accumulation pile several times during the day. Recon sprayed water inside the RPL haul road.

Report No.: 43 Project File: MN0832D Date: 7/20/2018

- Recon began covering piles around 1630 and securing the site.
- LQ collects dust monitors and extracts data.

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Tom Tanner
- Brian Kilkenny
- Addison Hofferth
- Brian Balog
- Scott Early
- Rich Tonnucour
- (Recon labor) X18

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- 8x40 Office Trailer
- Portable Toilets
- Hand Wash Stations
- ST-197 Dodge Ram Work Truck
- 8x20 Storage Box
- Trimble GPS System (Base, Rover, Data Collector)
- 8x20 Office Trailer
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 Containments
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Vibratory Hammer
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	DEC	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: NA

ITEMS OF CONCERN:

- One downwind dust monitor in the MSA had a relative dust reading above 100 ug/m3 at 14:00. Recon will increase spraying water in the MSA.
- Evaluating excavation plan with discovery of increased area of concrete slab

DAILY OBSERVATION REPORT

Report No.:	43	Project File:	MN0832D	Date:	7/20/2018

Site Representative: James Bannantine

Date: 7/18/2018

Name (Signature):

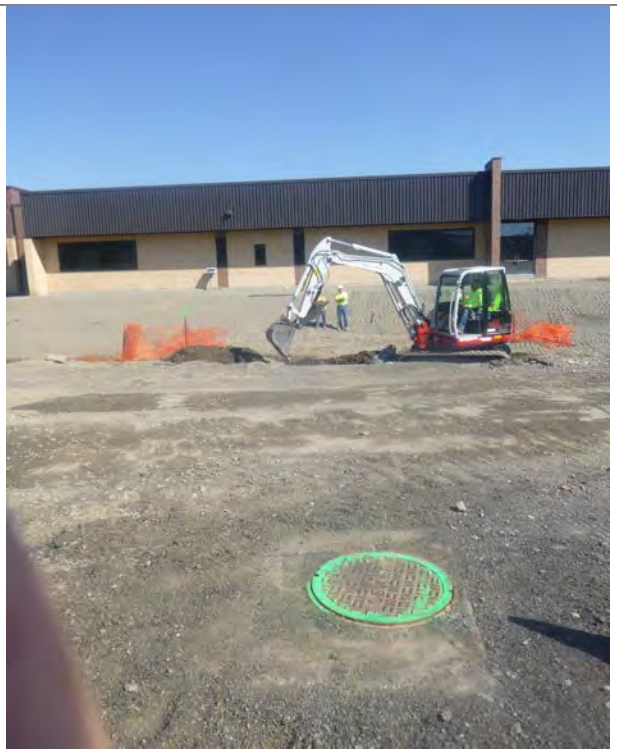
James E Bannantine

DAILY OBSERVATION REPORT

Report No.:	43	Project File:	MN0832D	Date:	7/20/2018

Photo Log

Date : 7/20/2018



Excavation to located damaged storm sewer from initial work on bus canopy



Storm sewer repair project in foreground, RPL excavation in background



Damage area of storm sewer in Phase I area from bus canopy installation



Afternoon picture of Phase 2 and Phase 3 excavation

DAILY OBSERVATION REPORT

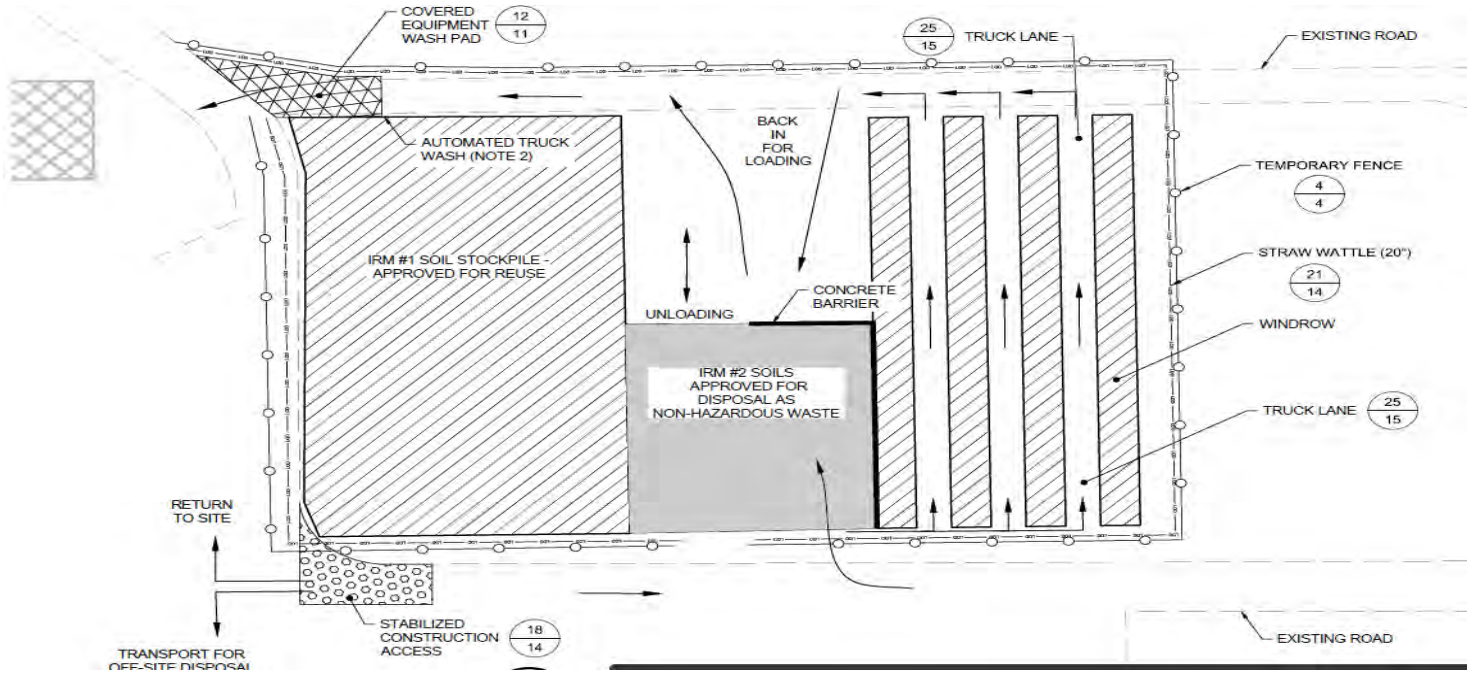
Report No.:	43	Project File:	MN0832D	Date:	7/20/2018

Site Map

Rear Parking Lot

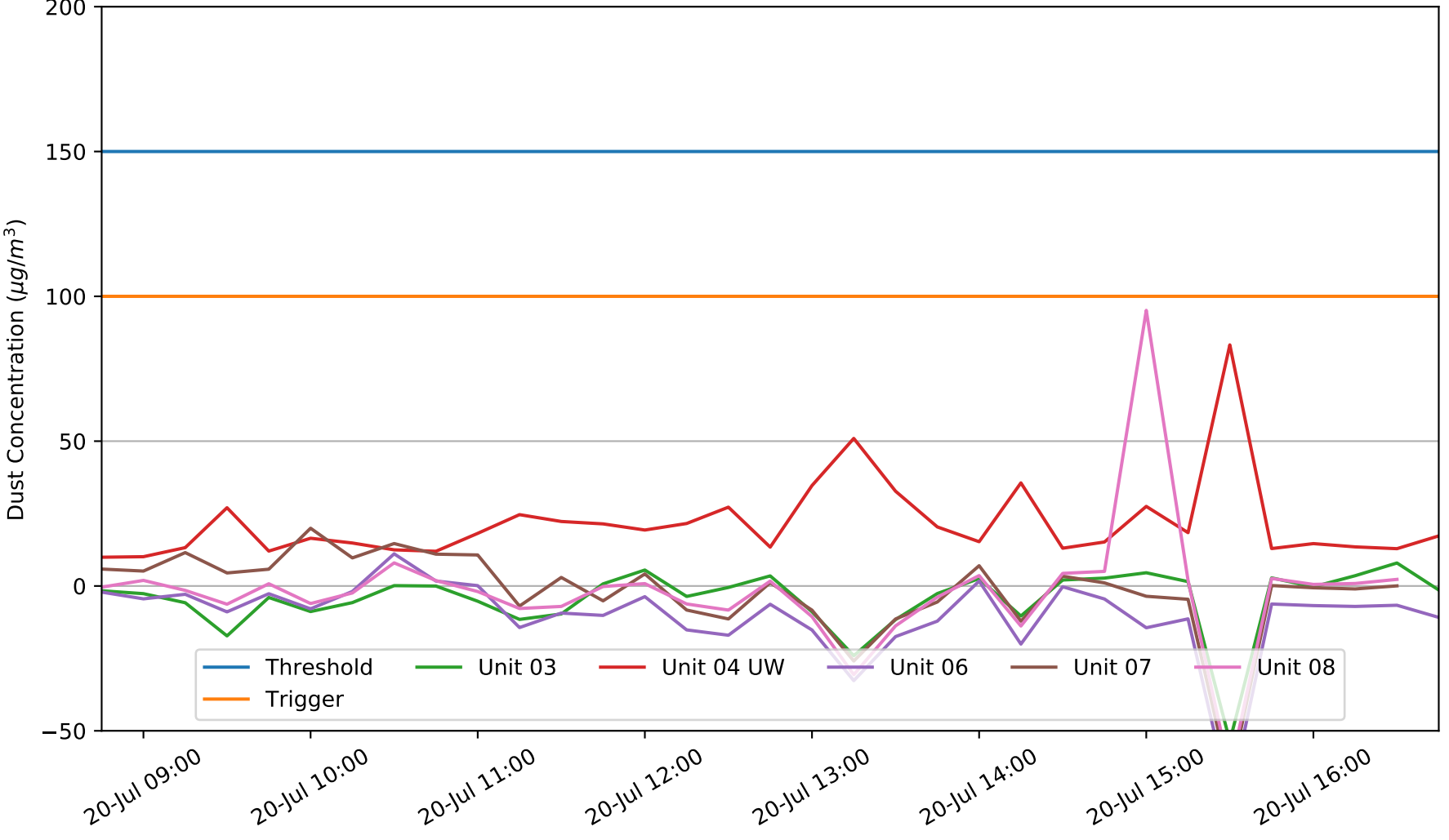


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 20-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 20-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 06	Unit 07	Unit 03	Unit 08	Unit 04 UW	Threshold	Trigger
2018-07-20 08:45:00	-2.11	5.84	-1.65	-0.4	9.93	150	100
2018-07-20 09:00:00	-4.44	5.15	-2.65	1.93	10.11	150	100
2018-07-20 09:15:00	-2.87	11.53	-5.78	-1.52	13.24	150	100
2018-07-20 09:30:00	-8.94	4.5	-17.23	-6.29	27.02	150	100
2018-07-20 09:45:00	-2.67	5.79	-3.97	0.77	12.05	150	100
2018-07-20 10:00:00	-7.89	19.94	-8.83	-6.06	16.48	150	100
2018-07-20 10:15:00	-1.88	9.7	-5.74	-2.41	14.84	150	100
2018-07-20 10:30:00	11.1	14.65	0.12	7.98	12.48	150	100
2018-07-20 10:45:00	1.71	10.99	-0.02	1.88	11.98	150	100
2018-07-20 11:00:00	0.12	10.71	-5.26	-1.92	18.17	150	100
2018-07-20 11:15:00	-14.35	-6.93	-11.54	-7.77	24.63	150	100
2018-07-20 11:30:00	-9.35	2.95	-9.66	-7.06	22.27	150	100
2018-07-20 11:45:00	-10.16	-5.13	0.73	-0.18	21.44	150	100
2018-07-20 12:00:00	-3.68	4.16	5.51	0.82	19.32	150	100
2018-07-20 12:15:00	-15.16	-8.3	-3.61	-6.21	21.57	150	100
2018-07-20 12:30:00	-17	-11.38	-0.51	-8.32	27.21	150	100
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2018-07-20 13:00:00	-15.19	-8.34	-8.88	-10.59	34.67	150	100
2018-07-20 13:15:00	-32.68	-25.9	-24.08	-30.62	50.95	150	100
2018-07-20 13:30:00	-17.47	-11.4	-11.6	-13.77	32.72	150	100
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2018-07-20 14:00:00	1.69	7	2.56	3.59	15.29	150	100
2018-07-20 14:15:00	-20.06	-12.15	-10.37	-13.82	35.6	150	100
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2018-07-20 15:00:00	-14.42	-3.55	4.57	95.16	27.48	150	100
2018-07-20 15:15:00	-11.35	-4.59	1.51	1.94	18.41	150	100
2018-07-20 15:30:00	-73.69	-67.3	-53.59	-64.24	83.24	150	100
2018-07-20 15:45:00	-6.23	0.16	2.8	2.6	12.92	150	100
2018-07-20 16:00:00	-6.77	-0.62	-0.28	0.54	14.63	150	100
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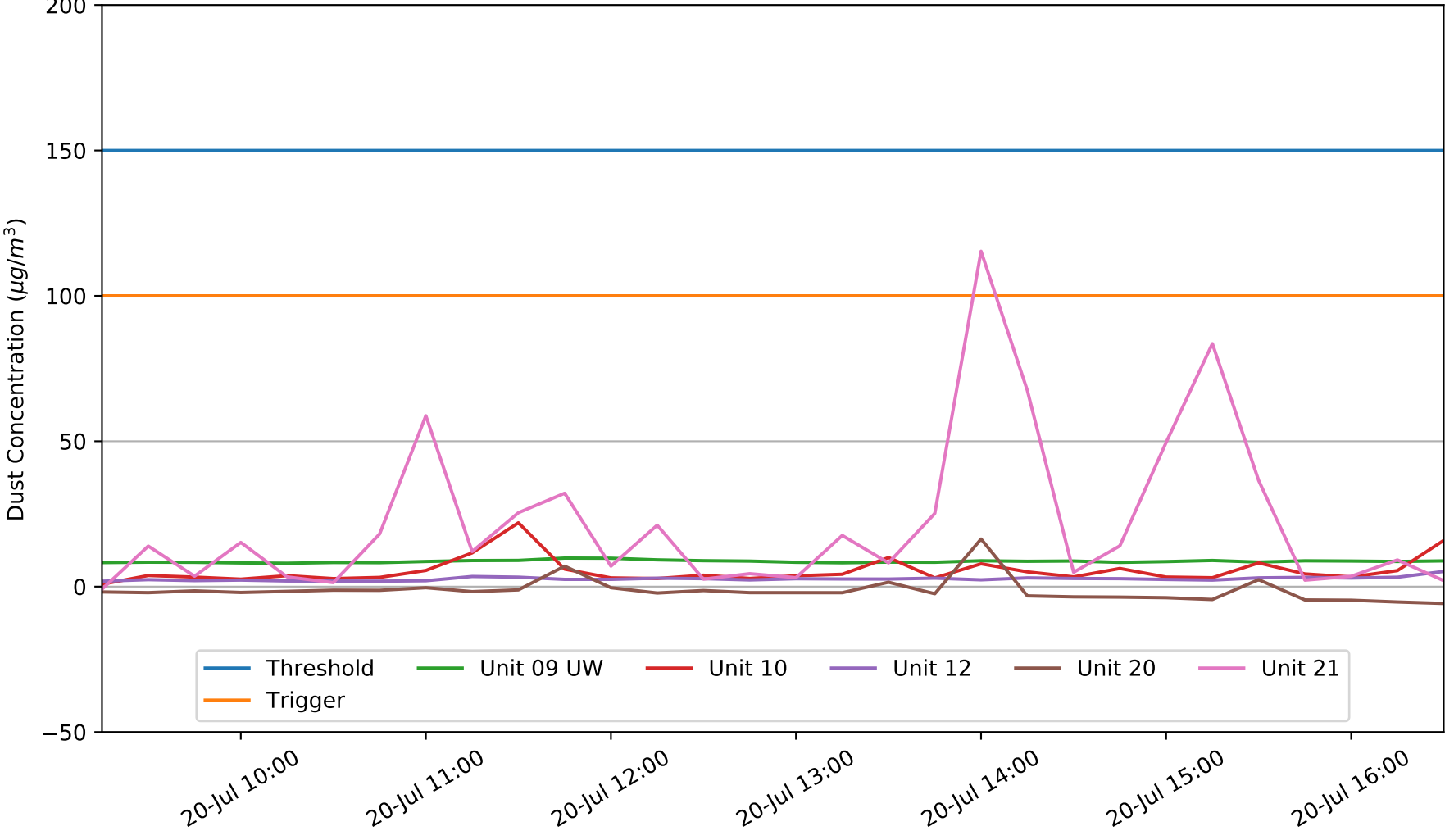
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1, 9.53, 22.2, 50, 740, 01 , 08:45:03, 20-Jul-2018
2, 12.04, 25.7, 44, 740, 00 , 09:00:03, 20-Jul-2018
3, 11.72, 28.5, 38, 740, 00 , 09:15:03, 20-Jul-2018
4, 20.73, 30.5, 34, 740, 00 , 09:30:03, 20-Jul-2018
5, 12.82, 32.2, 32, 740, 00 , 09:45:03, 20-Jul-2018
6, 10.42, 34.1, 29, 740, 00 , 10:00:03, 20-Jul-2018
7, 12.43, 35.4, 27, 740, 00 , 10:15:03, 20-Jul-2018
8, 20.46, 36.3, 26, 740, 00 , 10:30:03, 20-Jul-2018
9, 13.86, 37.4, 24, 740, 00 , 10:45:03, 20-Jul-2018
10, 16.25, 37.9, 24, 740, 00 , 11:00:03, 20-Jul-2018
11, 16.86, 38.4, 23, 740, 00 , 11:15:03, 20-Jul-2018
12, 15.21, 38.6, 23, 740, 00 , 11:30:03, 20-Jul-2018
13, 21.26, 38.8, 21, 740, 00 , 11:45:03, 20-Jul-2018
14, 20.14, 38.4, 22, 740, 00 , 12:00:03, 20-Jul-2018
15, 15.36, 37.7, 22, 740, 00 , 12:15:03, 20-Jul-2018
16, 18.89, 36.8, 23, 740, 00 , 12:30:03, 20-Jul-2018
17, 15.10, 36.5, 23, 740, 00 , 12:45:03, 20-Jul-2018
18, 24.08, 36.3, 23, 738, 00 , 13:00:03, 20-Jul-2018
19, 20.33, 35.8, 22, 738, 00 , 13:15:03, 20-Jul-2018
20, 18.95, 35.0, 23, 738, 00 , 13:30:03, 20-Jul-2018
21, 16.55, 34.3, 24, 738, 00 , 13:45:03, 20-Jul-2018
22, 18.88, 33.6, 25, 738, 00 , 14:00:03, 20-Jul-2018
23, 21.78, 33.5, 25, 738, 00 , 14:15:03, 20-Jul-2018
24, 17.39, 33.3, 26, 738, 00 , 14:30:03, 20-Jul-2018
25, 20.23, 33.7, 25, 738, 00 , 14:45:03, 20-Jul-2018
26, 122.64, 34.2, 24, 738, 00 , 15:00:03, 20-Jul-2018
27, 20.35, 34.7, 24, 738, 00 , 15:15:03, 20-Jul-2018
28, 19.00, 35.5, 23, 738, 00 , 15:30:03, 20-Jul-2018
29, 15.52, 37.8, 21, 738, 00 , 15:45:03, 20-Jul-2018
30, 15.17, 39.9, 19, 738, 00 , 16:00:03, 20-Jul-2018
31, 14.36, 41.4, 17, 738, 00 , 16:15:03, 20-Jul-2018
32, 15.16, 41.4, 17, 738, 00 , 16:30:03, 20-Jul-2018

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"Tag Number ", 12
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"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 952.429390
"Max Disp @ ", 15:24:52 20-Jul-2018
"Max STEL   ", 87.818508
"Max STEL @ ", 15:27:23 20-Jul-2018
"Avg point ", 21.647248
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
    1,   9.93, 22.6,   54,   742, 01 , 08:45:03, 20-Jul-2018
    2,   10.11, 24.4,   51,   742, 01 , 09:00:03, 20-Jul-2018
    3,   13.24, 25.9,   47,   744, 01 , 09:15:03, 20-Jul-2018
    4,   27.02, 27.2,   45,   744, 01 , 09:30:03, 20-Jul-2018
    5,   12.05, 28.2,   43,   744, 01 , 09:45:03, 20-Jul-2018
    6,   16.48, 29.3,   42,   744, 01 , 10:00:03, 20-Jul-2018
    7,   14.84, 30.5,   39,   744, 01 , 10:15:03, 20-Jul-2018
    8,   12.48, 31.1,   37,   744, 01 , 10:30:03, 20-Jul-2018
    9,   11.98, 31.3,   37,   742, 01 , 10:45:03, 20-Jul-2018
   10,   18.17, 31.8,   36,   744, 01 , 11:00:03, 20-Jul-2018
   11,   24.63, 32.3,   36,   742, 01 , 11:15:03, 20-Jul-2018
   12,   22.27, 33.2,   36,   742, 01 , 11:30:03, 20-Jul-2018
   13,   21.44, 33.6,   32,   742, 01 , 11:45:03, 20-Jul-2018
   14,   19.32, 34.0,   31,   742, 01 , 12:00:03, 20-Jul-2018
   15,   21.57, 34.0,   31,   742, 01 , 12:15:03, 20-Jul-2018
   16,   27.21, 34.3,   30,   742, 01 , 12:30:03, 20-Jul-2018
   17,   13.42, 34.9,   28,   742, 01 , 12:45:03, 20-Jul-2018
   18,   34.67, 35.0,   27,   742, 01 , 13:00:03, 20-Jul-2018
   19,   50.95, 34.9,   27,   742, 01 , 13:15:03, 20-Jul-2018
   20,   32.72, 35.1,   25,   742, 01 , 13:30:03, 20-Jul-2018
   21,   20.39, 35.1,   26,   742, 01 , 13:45:03, 20-Jul-2018
   22,   15.29, 35.1,   26,   742, 01 , 14:00:03, 20-Jul-2018
   23,   35.60, 35.2,   26,   742, 01 , 14:15:03, 20-Jul-2018
   24,   13.04, 35.4,   26,   742, 01 , 14:30:03, 20-Jul-2018
   25,   15.19, 35.6,   25,   742, 01 , 14:45:03, 20-Jul-2018
   26,   27.48, 35.6,   25,   742, 01 , 15:00:03, 20-Jul-2018
   27,   18.41, 35.7,   25,   742, 01 , 15:15:03, 20-Jul-2018
   28,   83.24, 35.9,   26,   742, 01 , 15:30:03, 20-Jul-2018
   29,   12.92, 36.2,   26,   742, 01 , 15:45:03, 20-Jul-2018
   30,   14.63, 36.4,   26,   742, 01 , 16:00:03, 20-Jul-2018
   31,   13.50, 36.5,   26,   742, 01 , 16:15:03, 20-Jul-2018
   32,   12.88, 36.0,   26,   740, 01 , 16:30:03, 20-Jul-2018
   33,   17.29, 35.5,   25,   740, 01 , 16:45:03, 20-Jul-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 20-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 20-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 12	Unit 20	Unit 21	Unit 09 UW	Unit 10	Threshold	Trigger
2018-07-20 09:15:00	1.86	-1.83	-0.88	8.27	0.82	150	100
2018-07-20 09:30:00	2.39	-2.07	13.95	8.41	3.82	150	100
2018-07-20 09:45:00	2.06	-1.46	3.59	8.36	3.28	150	100
2018-07-20 10:00:00	2.24	-2.01	15.21	8.15	2.57	150	100
2018-07-20 10:15:00	1.94	-1.63	3.35	8.04	3.77	150	100
2018-07-20 10:30:00	1.91	-1.22	1.38	8.3	2.76	150	100
2018-07-20 10:45:00	1.87	-1.27	18.1	8.24	3.17	150	100
2018-07-20 11:00:00	2.02	-0.37	58.78	8.65	5.56	150	100
2018-07-20 11:15:00	3.49	-1.72	12.07	8.97	11.61	150	100
2018-07-20 11:30:00	3.25	-1.12	25.42	9.02	21.96	150	100
2018-07-20 11:45:00	2.49	7.04	32.12	9.82	6.01	150	100
2018-07-20 12:00:00	2.49	-0.38	7.05	9.77	3.01	150	100
2018-07-20 12:15:00	2.9	-2.2	21.14	9.21	2.79	150	100
2018-07-20 12:30:00	2.74	-1.34	2.57	8.92	3.93	150	100
2018-07-20 12:45:00	2.29	-2.07	4.45	8.78	2.81	150	100
2018-07-20 13:00:00	2.71	-2.08	3.09	8.37	3.73	150	100
2018-07-20 13:15:00	2.62	-2.09	17.61	8.2	4.25	150	100
2018-07-20 13:30:00	2.6	1.51	8.16	8.43	10.01	150	100
2018-07-20 13:45:00	2.91	-2.45	25.18	8.38	3	150	100
2018-07-20 14:00:00	2.33	16.38	115.34	8.89	7.85	150	100
2018-07-20 14:15:00	3.01	-3.17	67.48	8.71	5.08	150	100
2018-07-20 14:30:00	2.8	-3.51	4.93	8.81	3.35	150	100
2018-07-20 14:45:00	2.74	-3.6	14.02	8.34	6.24	150	100
2018-07-20 15:00:00	2.46	-3.8	49.6	8.61	3.29	150	100
2018-07-20 15:15:00	2.24	-4.42	83.56	9	3.06	150	100
2018-07-20 15:30:00	3.02	2.39	36.51	8.44	8.16	150	100
2018-07-20 15:45:00	3.18	-4.57	2.22	8.88	4.37	150	100
2018-07-20 16:00:00	2.95	-4.67	3.56	8.8	3.33	150	100
2018-07-20 16:15:00	3.23	-5.28	9.18	8.65	5.51	150	100
2018-07-20 16:30:00	5.23	-5.78	2.04	8.85	15.9	150	100

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"Unit   ", 0
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"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 16:16:27 20-Jul-2018
"Max STEL   ", 14.473555
"Max STEL @ ", 16:24:03 20-Jul-2018
"Avg point ", 11.341382
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
    1,   10.13, 21.0,   53,   742, 00 , 09:15:03, 20-Jul-2018
    2,   10.80, 24.6,   45,   742, 00 , 09:30:03, 20-Jul-2018
    3,   10.42, 27.2,   40,   744, 00 , 09:45:03, 20-Jul-2018
    4,   10.39, 28.7,   38,   744, 00 , 10:00:03, 20-Jul-2018
    5,   9.98, 29.8,   36,   742, 00 , 10:15:03, 20-Jul-2018
    6,   10.21, 30.5,   35,   742, 00 , 10:30:03, 20-Jul-2018
    7,   10.11, 31.7,   33,   742, 00 , 10:45:03, 20-Jul-2018
    8,   10.67, 32.6,   32,   742, 00 , 11:00:03, 20-Jul-2018
    9,   12.46, 32.6,   32,   742, 00 , 11:15:03, 20-Jul-2018
   10,   12.27, 32.5,   33,   742, 00 , 11:30:03, 20-Jul-2018
   11,   12.31, 33.3,   30,   742, 00 , 11:45:03, 20-Jul-2018
   12,   12.26, 33.9,   29,   742, 00 , 12:00:03, 20-Jul-2018
   13,   12.11, 33.4,   30,   742, 00 , 12:15:03, 20-Jul-2018
   14,   11.66, 33.8,   29,   742, 00 , 12:30:03, 20-Jul-2018
   15,   11.07, 34.2,   28,   742, 00 , 12:45:03, 20-Jul-2018
   16,   11.08, 33.9,   28,   742, 00 , 13:00:03, 20-Jul-2018
   17,   10.82, 33.7,   28,   742, 00 , 13:15:03, 20-Jul-2018
   18,   11.03, 33.4,   27,   742, 00 , 13:30:03, 20-Jul-2018
   19,   11.29, 32.9,   28,   742, 00 , 13:45:03, 20-Jul-2018
   20,   11.22, 32.6,   29,   742, 00 , 14:00:03, 20-Jul-2018
   21,   11.72, 32.2,   29,   742, 00 , 14:15:03, 20-Jul-2018
   22,   11.61, 32.0,   29,   742, 00 , 14:30:03, 20-Jul-2018
   23,   11.08, 32.2,   28,   742, 00 , 14:45:03, 20-Jul-2018
   24,   11.07, 32.2,   29,   742, 00 , 15:00:03, 20-Jul-2018
   25,   11.24, 32.3,   29,   742, 00 , 15:15:03, 20-Jul-2018
   26,   11.46, 32.3,   30,   742, 00 , 15:30:03, 20-Jul-2018
   27,   12.06, 32.4,   30,   742, 00 , 15:45:03, 20-Jul-2018
   28,   11.75, 32.3,   30,   740, 00 , 16:00:03, 20-Jul-2018
   29,   11.88, 32.5,   30,   740, 00 , 16:15:03, 20-Jul-2018
   30,   14.08, 31.9,   31,   740, 00 , 16:30:03, 20-Jul-2018

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"Serial no. ", "0115249190"
"Tag Number ", 20
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"Log Period ", 00:15:00
"Number ", 30
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 297.217350
"Max Disp @ ", 13:47:24 20-Jul-2018
"Max STEL ", 25.582533
"Max STEL @ ", 13:48:43 20-Jul-2018
"Avg point ", 7.383485
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 6.44, 18.9, 54, 742, 00 , 09:15:03, 20-Jul-2018
2, 6.34, 18.8, 58, 742, 00 , 09:30:03, 20-Jul-2018
3, 6.90, 19.0, 61, 742, 00 , 09:45:03, 20-Jul-2018
4, 6.14, 19.5, 60, 742, 00 , 10:00:03, 20-Jul-2018
5, 6.41, 20.1, 59, 742, 00 , 10:15:03, 20-Jul-2018
6, 7.08, 20.8, 57, 742, 00 , 10:30:03, 20-Jul-2018
7, 6.97, 21.5, 56, 742, 00 , 10:45:03, 20-Jul-2018
8, 8.28, 22.2, 54, 742, 00 , 11:00:03, 20-Jul-2018
9, 7.25, 23.0, 53, 742, 00 , 11:15:03, 20-Jul-2018
10, 7.90, 23.7, 51, 742, 00 , 11:30:03, 20-Jul-2018
11, 16.86, 24.5, 43, 742, 00 , 11:45:03, 20-Jul-2018
12, 9.39, 25.5, 42, 742, 00 , 12:00:03, 20-Jul-2018
13, 7.01, 26.1, 40, 742, 00 , 12:15:03, 20-Jul-2018
14, 7.58, 26.6, 37, 742, 00 , 12:30:03, 20-Jul-2018
15, 6.71, 27.1, 35, 742, 00 , 12:45:03, 20-Jul-2018
16, 6.29, 27.8, 33, 742, 00 , 13:00:03, 20-Jul-2018
17, 6.11, 28.5, 30, 742, 00 , 13:15:03, 20-Jul-2018
18, 9.94, 29.0, 26, 742, 00 , 13:30:03, 20-Jul-2018
19, 5.93, 29.6, 26, 740, 00 , 13:45:03, 20-Jul-2018
20, 25.27, 30.3, 27, 740, 00 , 14:00:03, 20-Jul-2018
21, 5.54, 30.6, 27, 740, 00 , 14:15:03, 20-Jul-2018
22, 5.30, 31.4, 24, 740, 00 , 14:30:03, 20-Jul-2018
23, 4.74, 32.3, 22, 740, 00 , 14:45:03, 20-Jul-2018
24, 4.81, 33.0, 22, 740, 00 , 15:00:03, 20-Jul-2018
25, 4.58, 33.8, 21, 740, 00 , 15:15:03, 20-Jul-2018
26, 10.83, 34.3, 21, 740, 00 , 15:30:03, 20-Jul-2018
27, 4.31, 35.1, 22, 740, 00 , 15:45:03, 20-Jul-2018
28, 4.13, 36.0, 19, 740, 00 , 16:00:03, 20-Jul-2018
29, 3.37, 38.2, 17, 740, 00 , 16:15:03, 20-Jul-2018
30, 3.07, 39.3, 14, 740, 00 , 16:30:03, 20-Jul-2018

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"Serial no. ", "0115249059"
"Tag Number ", 22
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"Start Date ", 20-Jul-2018
"Log Period ", 00:15:00
"Number   ", 30
"CalFactor   ", 1.000000
"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 802.982330
"Max Disp @ ", 13:49:14 20-Jul-2018
"Max STEL   ", 140.444994
"Max STEL @ ", 13:54:23 20-Jul-2018
"Avg point ", 30.701709
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 7.39, 20.4, 50, 742, 01 , 09:15:03, 20-Jul-2018
2, 22.36, 22.5, 48, 742, 00 , 09:30:03, 20-Jul-2018
3, 11.95, 24.2, 45, 742, 00 , 09:45:03, 20-Jul-2018
4, 23.36, 25.7, 42, 742, 00 , 10:00:03, 20-Jul-2018
5, 11.39, 26.9, 40, 742, 00 , 10:15:03, 20-Jul-2018
6, 9.68, 27.7, 38, 742, 00 , 10:30:03, 20-Jul-2018
7, 26.34, 28.4, 37, 742, 00 , 10:45:03, 20-Jul-2018
8, 67.43, 29.0, 35, 742, 00 , 11:00:03, 20-Jul-2018
9, 21.04, 28.8, 36, 742, 00 , 11:15:03, 20-Jul-2018
10, 34.44, 29.0, 36, 742, 00 , 11:30:03, 20-Jul-2018
11, 41.94, 29.0, 33, 742, 00 , 11:45:03, 20-Jul-2018
12, 16.82, 29.0, 33, 742, 00 , 12:00:03, 20-Jul-2018
13, 30.35, 29.2, 33, 742, 00 , 12:15:03, 20-Jul-2018
14, 11.49, 30.1, 30, 742, 00 , 12:30:03, 20-Jul-2018
15, 13.23, 30.7, 28, 742, 00 , 12:45:03, 20-Jul-2018
16, 11.46, 31.5, 26, 742, 00 , 13:00:03, 20-Jul-2018
17, 25.81, 32.2, 25, 742, 00 , 13:15:03, 20-Jul-2018
18, 16.59, 31.9, 23, 740, 00 , 13:30:03, 20-Jul-2018
19, 33.56, 31.7, 24, 740, 00 , 13:45:03, 20-Jul-2018
20, 124.23, 32.0, 26, 740, 00 , 14:00:03, 20-Jul-2018
21, 76.19, 31.9, 26, 740, 00 , 14:15:03, 20-Jul-2018
22, 13.74, 32.2, 25, 740, 00 , 14:30:03, 20-Jul-2018
23, 22.36, 33.0, 23, 740, 00 , 14:45:03, 20-Jul-2018
24, 58.21, 33.5, 22, 740, 00 , 15:00:03, 20-Jul-2018
25, 92.56, 34.1, 22, 740, 00 , 15:15:03, 20-Jul-2018
26, 44.95, 34.0, 22, 740, 00 , 15:30:03, 20-Jul-2018
27, 11.10, 34.7, 23, 740, 00 , 15:45:03, 20-Jul-2018
28, 12.36, 35.3, 21, 740, 00 , 16:00:03, 20-Jul-2018
29, 17.83, 35.9, 21, 740, 00 , 16:15:03, 20-Jul-2018
30, 10.89, 35.3, 20, 740, 00 , 16:30:03, 20-Jul-2018

>"Model Number", "PDR-1500", 01.34
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"Tag Number ", 38
"Start Time ", 09:00:03
"Start Date ", 20-Jul-2018
"Log Period ", 00:15:00
"Number   ", 30
"CalFactor   ", 1.000000
"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 13.564299
"Max Disp @ ", 15:00:09 20-Jul-2018
"Max STEL   ", 9.871187
"Max STEL @ ", 11:45:23 20-Jul-2018
"Avg point ", 8.676755
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 8.27, 21.9, 51, 740, 01 , 09:15:03, 20-Jul-2018
2, 8.41, 23.8, 53, 740, 00 , 09:30:03, 20-Jul-2018
3, 8.36, 25.3, 50, 740, 00 , 09:45:03, 20-Jul-2018
4, 8.15, 26.9, 50, 740, 00 , 10:00:03, 20-Jul-2018
5, 8.04, 28.5, 48, 740, 00 , 10:15:03, 20-Jul-2018
6, 8.30, 29.7, 43, 740, 00 , 10:30:03, 20-Jul-2018
7, 8.24, 31.0, 41, 740, 00 , 10:45:03, 20-Jul-2018
8, 8.65, 32.1, 39, 740, 00 , 11:00:03, 20-Jul-2018
9, 8.97, 33.0, 38, 740, 00 , 11:15:03, 20-Jul-2018
10, 9.02, 33.7, 39, 740, 00 , 11:30:03, 20-Jul-2018
11, 9.82, 34.4, 36, 740, 00 , 11:45:03, 20-Jul-2018
12, 9.77, 35.0, 35, 740, 00 , 12:00:03, 20-Jul-2018
13, 9.21, 35.2, 35, 740, 00 , 12:15:03, 20-Jul-2018
14, 8.92, 35.6, 34, 740, 00 , 12:30:03, 20-Jul-2018
15, 8.78, 36.0, 33, 740, 00 , 12:45:03, 20-Jul-2018
16, 8.37, 36.3, 32, 740, 00 , 13:00:03, 20-Jul-2018
17, 8.20, 36.5, 31, 740, 00 , 13:15:03, 20-Jul-2018
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DAILY OBSERVATION REPORT

Report No.:	44	Project File:	MN0832D	Date:	7/21/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — *an affiliate of Geosyntec Consultants*

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: James Burnett

Site Representative: James Bannantine

Arrive at Site: 0630hrs. Leave Site: 1700 hrs.

Contractor: Recon

Health & Safety: James Bannantine

Weather and Site Conditions

General Description:	Cool, overcast	am	Overcast	pm
Temperature:	~55° F	am	~75° F	pm
Wind Direction:	5 E/SE	am	7 E/SE	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☒	No ☐	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 44 Project File: MN0832D Date: 7/21/2018

Materials Imported and Removed from Work Areas

TSCA: 0 trucks

Imported: pending

As of 20 July 2018:

Material	Today (CY)	To Date (CY)
Soil Excavation	396	8788
Non-Haz T&D	0	0
TSCA T&D	220	4836
Backfill (Imported)	0	858
Backfill (Reuse)	0	1256

As of 20 July 2018:

TSCA Soil Removal:

Total Loads today: 10 Total Loads to date: 194

Weight: ~22 tons/each Total Weight to date: ~4732 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: Pending Total Loads to date: 15

Weight: 0 Tons Total Weight to date: ~293 Tons

Report No.: 44 Project File: MN0832D Date: 7/21/2018

Imported #3(3-4) Run of Crusher:

Total Loads today: Pending Total Loads to date: 5

Weight: 0 Tons Total Weight to date: 132 Tons

Imported Common Fill:

Total Loads today: Pending Total Loads to date: 159

Weight: ~22 Tons/each Total Weight to date: ~3343 Tons

Imported Screened Topsoil:

Total Loads today: Pending Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Summary of Events

AM

- J. Bannantine arrived on site 0630 to discuss survey and excavation discrepancies with Recon before backfill operations could proceed. EL, LQ and J.Ban. arrived on site at 0730. Attended Recon safety meeting; commenced backfill operations in Phase 2 and Phase 3, load out sheet piling. Jim Bannantine, Jim Burnett, Elizabeth Lee, and Lauren Quickel were on site. Jim Bannantine holds Geosyntec tailgate safety meeting. Review work plan for the day.
- LQ calibrates dust monitors; LQ and EL deploy dust monitors in the MSA and RPL.
- JB, LQ and EL collect soil samples in excavation for confirmation prior to excavation backfill
- Recon commences excavation backfill operations in Phase 2 and 3.
- JB collects proctor samples for backfill operations and works with ATL to test and monitor the backfill compaction effort.
- Around 0900, chlorine test continued on water line behind school.
- Trucks were pressure-washed with water on the decon pad before leaving the site.

PM

- Welliver crew repaired the two holes in the concrete sewer, and the excavation was backfilled. Recon crew moved the excavated soils on to the blacktop area and placed the soil on plastic and covered it with plastic.
- No TSCA trucks were loaded for shipment today.
- Recon sprayed water along the haul road and the TSCA accumulation pile several times during the day. Recon sprayed water inside the RPL haul road.
- Due to rain, Recon began covering piles around 1400 and securing the site.
- LQ collects dust monitors and extracts data. Dust monitors collected at approximately 1430 due to light rain with more significant rain moving in shortly.
- Note: dust exceedance of ~140 $\mu g/m^3$ recorded at around 1130 in the MSA.

Report No.: 44 Project File: MN0832D Date: 7/21/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Tom Tanner
- Brian Kilkenny
- Addison Hofferth
- Brian Balog
- Scott Early
- Rich Tonnucour
- (Recon labor) X18

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- 8x40 Office Trailer
- Portable Toilets
- Hand Wash Stations
- ST-197 Dodge Ram Work Truck
- 8x20 Storage Box
- Trimble GPS System (Base, Rover, Data Collector)
- 8x20 Office Trailer
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 Containments
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Vibratory Hammer
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	DEC	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: NA

ITEMS OF CONCERN:

- Dust exceedance of ~140 µg/m^3 recorded at around 1130 in the MSA. Recon will increase spraying water in the MSA.

Report No.: 44 Project File: MN0832D Date: 7/21/2018

Site Representative: James Bannantine Date: 7/21/2018

Name (Signature):



DAILY OBSERVATION REPORT

Report No.:	44	Project File:	MN0832D	Date:	7/21/2018

Photo Log

Date : 7/21/2018



Excavation backfill operations in Phase 2 and 3 areas



Storm sewer repair patches



Fabric placement over storm sewer repair area



Afternoon picture of backfill placement in Phase 2 and Phase 3 excavation

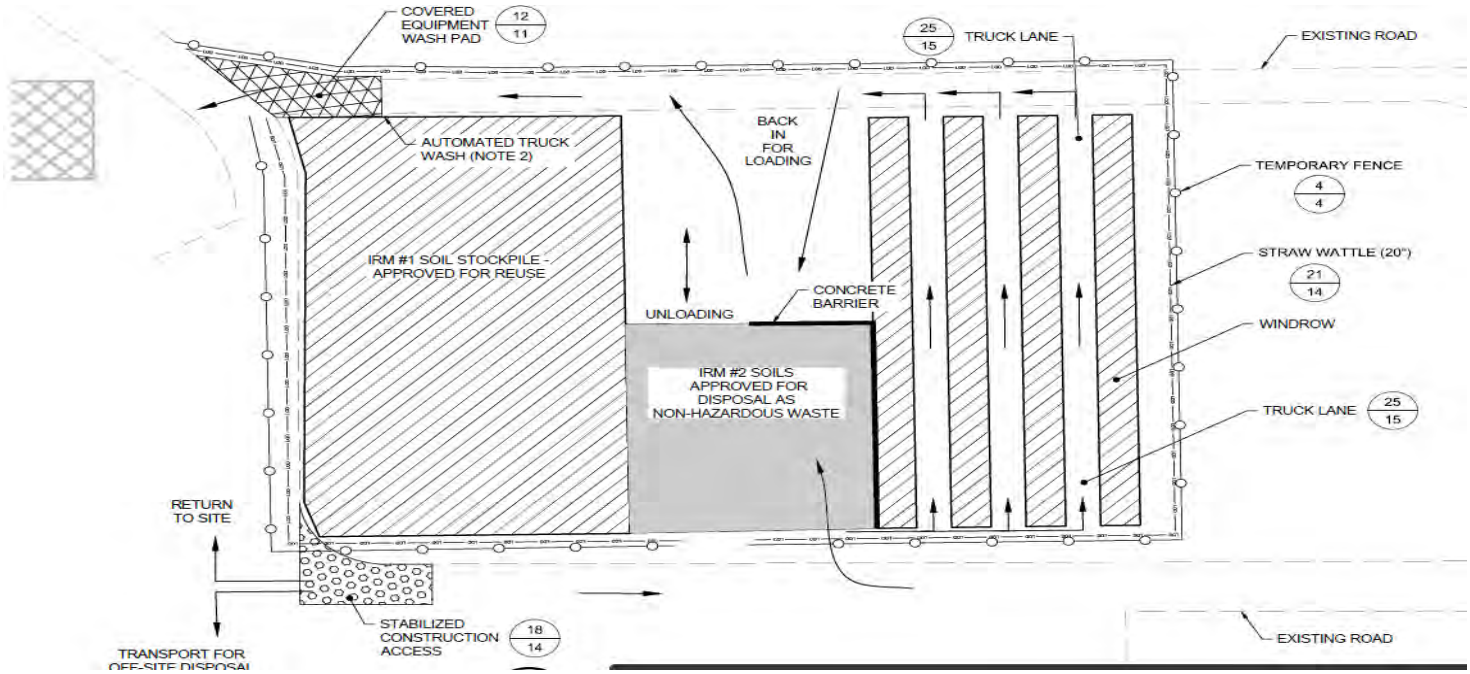
Report No.:	44	Project File:	MN0832D	Date:	7/21/2018

Site Map

Rear Parking Lot

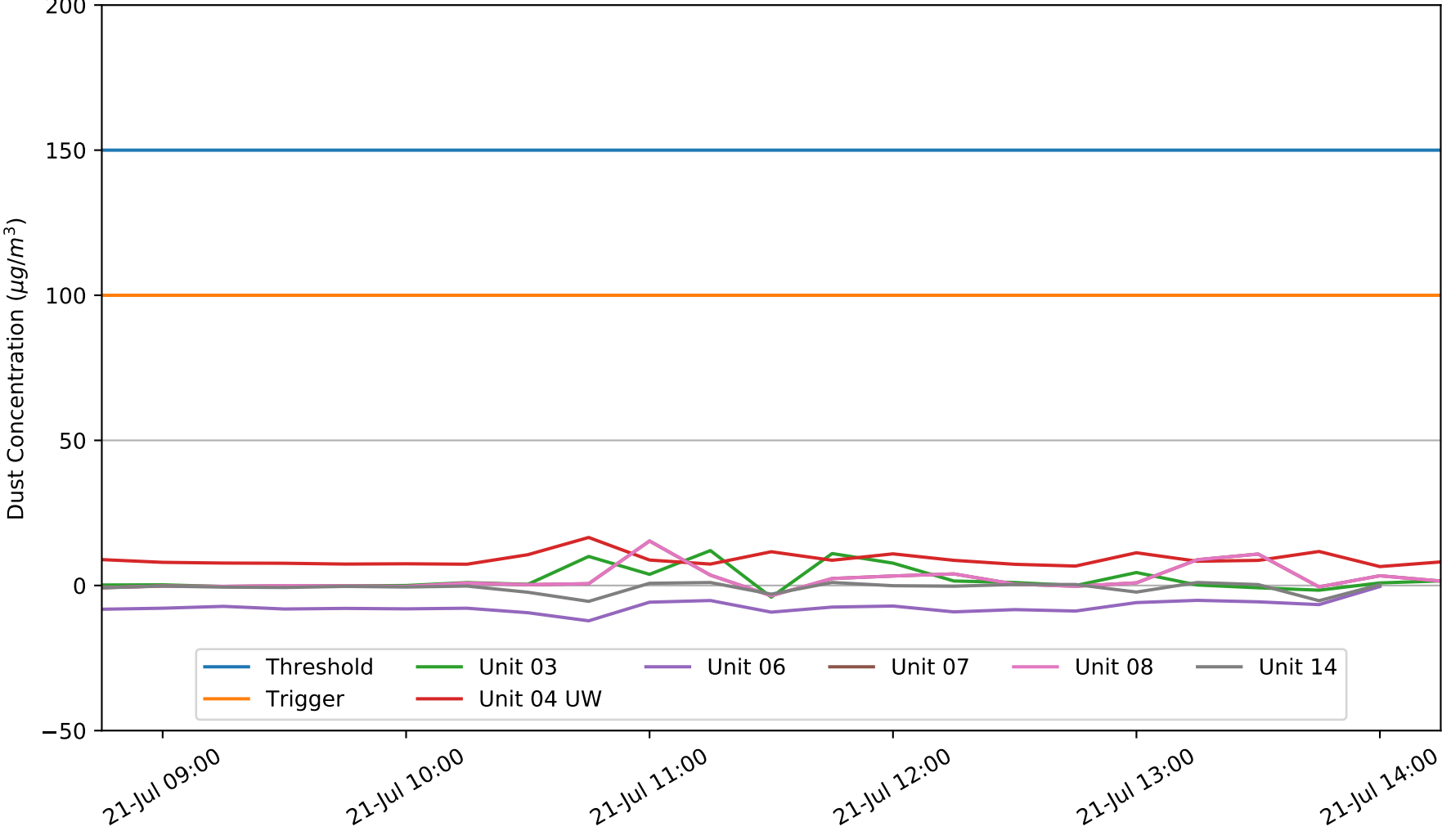


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 21-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data

RPL 21-Jul-2018

IRM #2

Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 03	Unit 14	Unit 08	Unit 04 UW	Unit 06	Unit 07	Threshold	Trigger
2018-07-21 08:45:00	0.17	-0.83	-0.75	8.92	-8.18	-0.75	150	100
2018-07-21 09:00:00	0.23	-0.2	-0.17	7.98	-7.83	-0.17	150	100
2018-07-21 09:15:00	-0.36	-0.57	-0.33	7.73	-7.19	-0.33	150	100
2018-07-21 09:30:00	-0.32	-0.69	-0.07	7.66	-8.1	-0.07	150	100
2018-07-21 09:45:00	-0.15	-0.32	-0.14	7.38	-7.89	-0.14	150	100
2018-07-21 10:00:00	-0.01	-0.53	-0.31	7.48	-8.05	-0.31	150	100
2018-07-21 10:15:00	1	-0.2	0.85	7.33	-7.83	0.85	150	100
2018-07-21 10:30:00	0.4	-2.33	0.28	10.61	-9.38	0.28	150	100
2018-07-21 10:45:00	10.01	-5.47	0.62	16.55	-12.17	0.62	150	100
2018-07-21 11:00:00	3.84	0.76	15.33	8.77	-5.75	15.33	150	100
2018-07-21 11:15:00	12.04	1.02	3.57	7.38	-5.18	3.57	150	100
2018-07-21 11:30:00	-4.02	-2.98	-3.53	11.63	-9.18	-3.53	150	100
2018-07-21 11:45:00	11.01	1.04	2.4	8.69	-7.44	2.4	150	100
2018-07-21 12:00:00	7.7	-0.08	3.27	10.9	-7.08	3.27	150	100
2018-07-21 12:15:00	1.55	-0.25	3.99	8.67	-9.09	3.99	150	100
2018-07-21 12:30:00	1.03	0.35	0.47	7.3	-8.31	0.47	150	100
2018-07-21 12:45:00	-0.02	0.34	-0.26	6.7	-8.8	-0.26	150	100
2018-07-21 13:00:00	4.47	-2.27	0.91	11.28	-5.89	0.91	150	100
2018-07-21 13:15:00	0.17	1.04	8.88	8.36	-5.12	8.88	150	100
2018-07-21 13:30:00	-0.79	0.31	10.83	8.65	-5.63	10.83	150	100
2018-07-21 13:45:00	-1.62	-5.25	-0.48	11.72	-6.59	-0.48	150	100
2018-07-21 14:00:00	0.88	0.3	3.35	6.52	-0.37	3.35	150	100
2018-07-21 14:15:00	1.58		1.53	8.12		1.53	150	100

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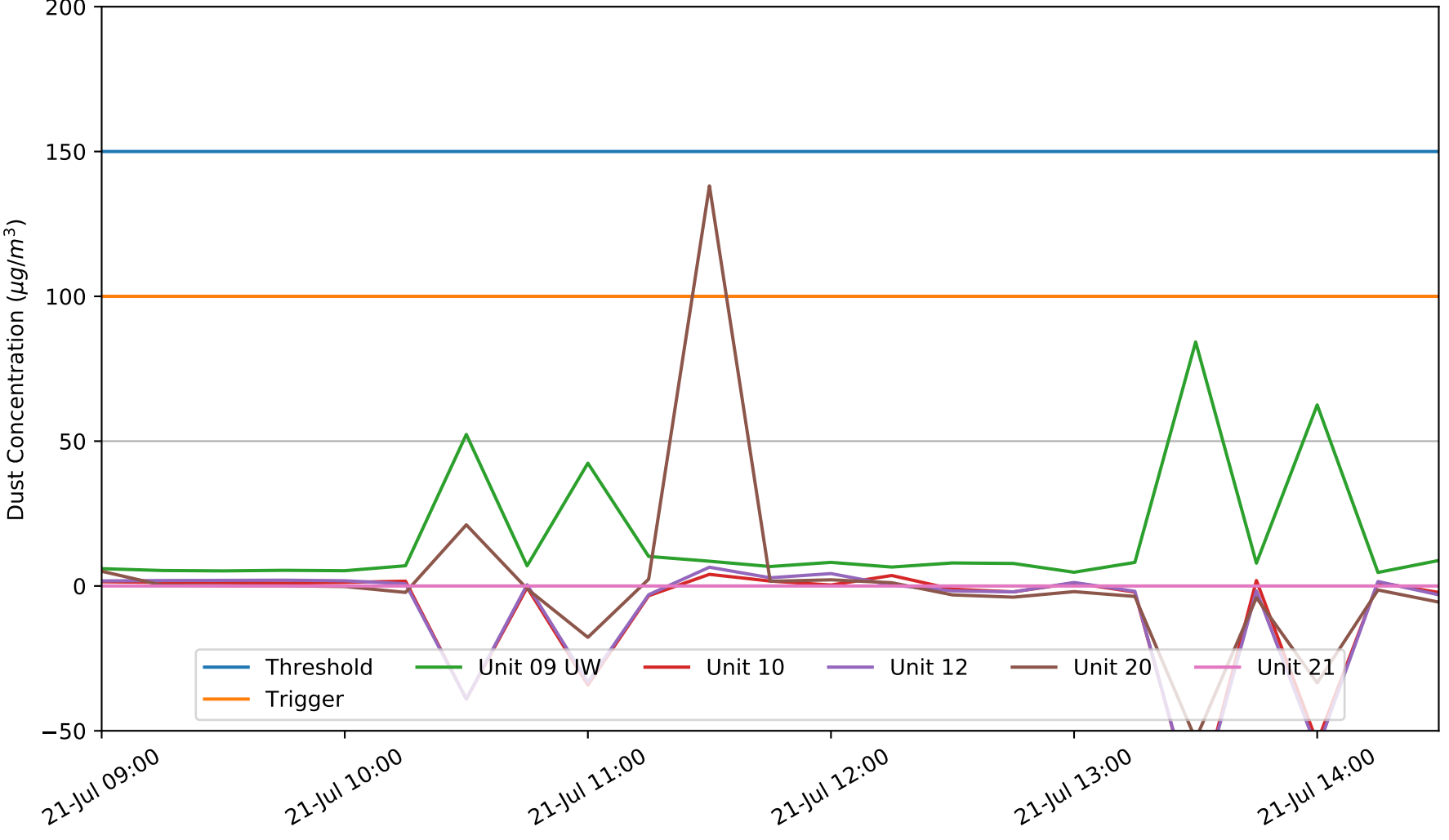
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"Max STEL ", 17.536922
"Max STEL @ ", 10:47:13 21-Jul-2018
"Avg point ", 8.970726
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 8.92, 24.3, 55, 740, 01 , 08:45:03, 21-Jul-2018
2, 7.98, 24.1, 56, 740, 01 , 09:00:03, 21-Jul-2018
3, 7.73, 23.7, 57, 740, 01 , 09:15:03, 21-Jul-2018
4, 7.66, 24.4, 56, 740, 01 , 09:30:03, 21-Jul-2018
5, 7.38, 24.7, 54, 740, 01 , 09:45:03, 21-Jul-2018
6, 7.48, 24.9, 53, 740, 01 , 10:00:03, 21-Jul-2018
7, 7.33, 25.5, 52, 740, 01 , 10:15:03, 21-Jul-2018
8, 10.61, 27.1, 47, 740, 01 , 10:30:03, 21-Jul-2018
9, 16.55, 27.7, 45, 740, 01 , 10:45:03, 21-Jul-2018
10, 8.77, 27.2, 46, 740, 01 , 11:00:03, 21-Jul-2018
11, 7.38, 27.6, 46, 740, 01 , 11:15:03, 21-Jul-2018
12, 11.63, 28.6, 44, 740, 01 , 11:30:03, 21-Jul-2018
13, 8.69, 28.7, 42, 740, 01 , 11:45:03, 21-Jul-2018
14, 10.90, 29.6, 41, 740, 01 , 12:00:03, 21-Jul-2018
15, 8.67, 30.6, 38, 740, 01 , 12:15:03, 21-Jul-2018
16, 7.30, 31.6, 35, 740, 01 , 12:30:03, 21-Jul-2018
17, 6.70, 31.5, 34, 740, 01 , 12:45:03, 21-Jul-2018
18, 11.28, 30.9, 36, 740, 01 , 13:00:03, 21-Jul-2018
19, 8.36, 29.9, 37, 740, 01 , 13:15:03, 21-Jul-2018
20, 8.65, 28.6, 40, 740, 01 , 13:30:03, 21-Jul-2018
21, 11.72, 28.2, 42, 740, 01 , 13:45:03, 21-Jul-2018
22, 6.52, 28.6, 40, 740, 01 , 14:00:03, 21-Jul-2018
23, 8.12, 28.6, 38, 740, 01 , 14:15:03, 21-Jul-2018

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"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 26.753418
"Max Disp @ ", 12:53:33 21-Jul-2018
"Max STEL ", 6.839998
"Max STEL @ ", 13:59:13 21-Jul-2018
"Avg point ", 1.688473
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 0.74, 21.5, 48, 740, 01 , 08:45:03, 21-Jul-2018
2, 0.15, 21.5, 47, 740, 00 , 09:00:03, 21-Jul-2018
3, 0.54, 20.5, 50, 740, 00 , 09:15:03, 21-Jul-2018
4, -0.44, 20.9, 49, 740, 00 , 09:30:03, 21-Jul-2018
5, -0.51, 21.3, 48, 740, 00 , 09:45:03, 21-Jul-2018
6, -0.57, 21.4, 47, 740, 02 , 10:00:03, 21-Jul-2018
7, -0.50, 21.8, 47, 740, 00 , 10:15:03, 21-Jul-2018
8, 1.23, 23.2, 43, 740, 02 , 10:30:03, 21-Jul-2018
9, 4.38, 23.4, 42, 740, 02 , 10:45:03, 21-Jul-2018
10, 3.02, 23.2, 42, 740, 00 , 11:00:03, 21-Jul-2018
11, 2.20, 23.5, 42, 740, 02 , 11:15:03, 21-Jul-2018
12, 2.45, 24.4, 40, 740, 02 , 11:30:03, 21-Jul-2018
13, 1.25, 24.2, 40, 740, 02 , 11:45:03, 21-Jul-2018
14, 3.82, 25.2, 38, 740, 02 , 12:00:03, 21-Jul-2018
15, -0.42, 26.5, 35, 740, 02 , 12:15:03, 21-Jul-2018
16, -1.01, 27.2, 33, 740, 02 , 12:30:03, 21-Jul-2018
17, -2.10, 27.1, 32, 740, 02 , 12:45:03, 21-Jul-2018
18, 5.39, 26.5, 33, 740, 02 , 13:00:03, 21-Jul-2018
19, 3.24, 25.2, 36, 740, 02 , 13:15:03, 21-Jul-2018
20, 3.02, 24.5, 38, 740, 02 , 13:30:03, 21-Jul-2018
21, 5.13, 24.0, 38, 740, 02 , 13:45:03, 21-Jul-2018
22, 6.15, 23.5, 38, 740, 02 , 14:00:03, 21-Jul-2018

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"Serial no. ", "0115248865"
"Tag Number ", 38
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"Log Period ", 00:15:00
"Number ", 23
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"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 196.601620
"Max Disp @ ", 10:47:47 21-Jul-2018
"Max STEL ", 29.961867
"Max STEL @ ", 10:48:03 21-Jul-2018
"Avg point ", 11.156080
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 8.17, 25.1, 48, 738, 01 , 08:45:03, 21-Jul-2018
2, 7.81, 25.6, 47, 738, 00 , 09:00:03, 21-Jul-2018
3, 7.40, 24.6, 49, 738, 00 , 09:15:03, 21-Jul-2018
4, 7.59, 24.7, 50, 738, 00 , 09:30:03, 21-Jul-2018
5, 7.24, 25.3, 48, 738, 00 , 09:45:03, 21-Jul-2018
6, 7.17, 25.5, 48, 738, 00 , 10:00:03, 21-Jul-2018
7, 8.18, 25.9, 47, 738, 00 , 10:15:03, 21-Jul-2018
8, 10.89, 27.0, 43, 738, 00 , 10:30:03, 21-Jul-2018
9, 17.17, 27.7, 41, 738, 00 , 10:45:03, 21-Jul-2018
10, 24.10, 27.8, 41, 738, 00 , 11:00:03, 21-Jul-2018
11, 10.95, 28.4, 40, 738, 00 , 11:15:03, 21-Jul-2018
12, 8.10, 28.8, 39, 738, 00 , 11:30:03, 21-Jul-2018
13, 11.09, 28.5, 39, 738, 00 , 11:45:03, 21-Jul-2018
14, 14.17, 29.1, 38, 738, 00 , 12:00:03, 21-Jul-2018
15, 12.66, 30.4, 35, 738, 00 , 12:15:03, 21-Jul-2018
16, 7.77, 31.7, 32, 738, 00 , 12:30:03, 21-Jul-2018
17, 6.44, 32.1, 31, 738, 00 , 12:45:03, 21-Jul-2018
18, 12.19, 31.5, 31, 738, 00 , 13:00:03, 21-Jul-2018
19, 17.24, 30.0, 34, 738, 00 , 13:15:03, 21-Jul-2018
20, 19.48, 28.6, 37, 738, 00 , 13:30:03, 21-Jul-2018
21, 11.24, 28.1, 38, 736, 00 , 13:45:03, 21-Jul-2018
22, 9.87, 27.8, 37, 736, 00 , 14:00:03, 21-Jul-2018
23, 9.65, 27.6, 37, 736, 00 , 14:15:03, 21-Jul-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 21-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 21-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 20	Unit 10	Unit 09 UW	Unit 21	Unit 12	Threshold	Trigger
2018-07-21 09:00:00	5.08	1.45	5.98	0	1.75	150	100
2018-07-21 09:15:00	0.28	1.25	5.34	0	1.89	150	100
2018-07-21 09:30:00	0.09	1.14	5.21	0	1.94	150	100
2018-07-21 09:45:00	0.07	0.99	5.41	0	2.01	150	100
2018-07-21 10:00:00	-0.18	1.24	5.27	0	1.81	150	100
2018-07-21 10:15:00	-2.22	1.66	6.99	0	0.74	150	100
2018-07-21 10:30:00	21.12	-39.09	52.33	0	-39.01	150	100
2018-07-21 10:45:00	-0.97	-0.52	6.95	0	0.43	150	100
2018-07-21 11:00:00	-17.73	-34.18	42.4	0	-33.22	150	100
2018-07-21 11:15:00	2.35	-3.36	10.2	0	-3.01	150	100
2018-07-21 11:30:00	138.14	4.02	8.55	0	6.48	150	100
2018-07-21 11:45:00	1.62	1.7	6.72	0	2.84	150	100
2018-07-21 12:00:00	2.13	0.33	8.15	0	4.28	150	100
2018-07-21 12:15:00	1.13	3.62	6.54	0	0.34	150	100
2018-07-21 12:30:00	-3.08	-1.1	7.95	0	-1.69	150	100
2018-07-21 12:45:00	-3.86	-2.04	7.78	0	-2.03	150	100
2018-07-21 13:00:00	-1.95	1.06	4.74	0	1.2	150	100
2018-07-21 13:15:00	-3.61	-2.11	8.14	0	-1.83	150	100
2018-07-21 13:30:00	-52.92	-78.22	84.25	0	-78.17	150	100
2018-07-21 13:45:00	-4.04	1.89	7.88	0	-1.66	150	100
2018-07-21 14:00:00	-33.47	-53.96	62.52	0	-56.48	150	100
2018-07-21 14:15:00	-1.38	1.19	4.67	0	1.54	150	100
2018-07-21 14:30:00	-5.57	-2.23	8.81	0	-3.06	150	100

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"Unit ", 0
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"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 1837.356758
"Max Disp @ ", 11:17:58 21-Jul-2018
"Max STEL ", 147.628202
"Max STEL @ ", 11:26:23 21-Jul-2018
"Avg point ", 17.991222
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 11.06, 19.4, 57, 740, 00 , 09:00:03, 21-Jul-2018
2, 5.62, 19.8, 57, 740, 00 , 09:15:03, 21-Jul-2018
3, 5.30, 20.2, 57, 740, 00 , 09:30:03, 21-Jul-2018
4, 5.48, 20.7, 55, 740, 00 , 09:45:03, 21-Jul-2018
5, 5.09, 21.1, 54, 740, 00 , 10:00:03, 21-Jul-2018
6, 4.77, 21.7, 53, 740, 00 , 10:15:03, 21-Jul-2018
7, 73.45, 22.5, 51, 740, 00 , 10:30:03, 21-Jul-2018
8, 5.98, 23.0, 48, 740, 00 , 10:45:03, 21-Jul-2018
9, 24.67, 23.2, 47, 740, 00 , 11:00:03, 21-Jul-2018
10, 12.55, 23.6, 47, 740, 00 , 11:15:03, 21-Jul-2018
11, 146.69, 24.1, 46, 740, 00 , 11:30:03, 21-Jul-2018
12, 8.34, 24.4, 44, 740, 00 , 11:45:03, 21-Jul-2018
13, 10.28, 24.8, 44, 740, 00 , 12:00:03, 21-Jul-2018
14, 7.67, 25.5, 42, 740, 00 , 12:15:03, 21-Jul-2018
15, 4.87, 26.5, 39, 740, 00 , 12:30:03, 21-Jul-2018
16, 3.92, 27.0, 35, 740, 00 , 12:45:03, 21-Jul-2018
17, 2.79, 26.9, 36, 740, 00 , 13:00:03, 21-Jul-2018
18, 4.53, 26.4, 37, 740, 00 , 13:15:03, 21-Jul-2018
19, 31.33, 25.4, 39, 740, 00 , 13:30:03, 21-Jul-2018
20, 3.84, 24.8, 41, 740, 00 , 13:45:03, 21-Jul-2018
21, 29.05, 24.9, 40, 740, 00 , 14:00:03, 21-Jul-2018
22, 3.29, 25.3, 40, 740, 00 , 14:15:03, 21-Jul-2018
23, 3.24, 25.9, 37, 740, 00 , 14:30:03, 21-Jul-2018

>"Model Number", "PDR-1500", 01.34
"Serial no. ", "0115248913"
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"Start Date ", 21-Jul-2018
"Log Period ", 00:15:00
"Number ", 23
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"Unit ", 0
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"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 79.380140
"Max Disp @ ", 10:16:26 21-Jul-2018
"Max STEL ", 13.598512
"Max STEL @ ", 10:17:13 21-Jul-2018
"Avg point ", 7.717817
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 7.43, 20.0, 62, 738, 01 , 09:00:03, 21-Jul-2018
2, 6.59, 20.4, 62, 738, 00 , 09:15:03, 21-Jul-2018
3, 6.35, 21.4, 60, 740, 00 , 09:30:03, 21-Jul-2018
4, 6.40, 21.9, 57, 738, 00 , 09:45:03, 21-Jul-2018
5, 6.51, 22.3, 57, 738, 00 , 10:00:03, 21-Jul-2018
6, 8.65, 22.9, 55, 738, 00 , 10:15:03, 21-Jul-2018
7, 13.24, 24.9, 50, 738, 00 , 10:30:03, 21-Jul-2018
8, 6.43, 25.5, 47, 738, 00 , 10:45:03, 21-Jul-2018
9, 8.22, 25.1, 47, 738, 00 , 11:00:03, 21-Jul-2018
10, 6.84, 25.2, 47, 738, 00 , 11:15:03, 21-Jul-2018
11, 12.57, 25.9, 46, 738, 00 , 11:30:03, 21-Jul-2018
12, 8.42, 25.7, 45, 738, 00 , 11:45:03, 21-Jul-2018
13, 8.48, 26.7, 43, 738, 00 , 12:00:03, 21-Jul-2018
14, 10.16, 27.9, 40, 738, 00 , 12:15:03, 21-Jul-2018
15, 6.85, 29.2, 37, 738, 00 , 12:30:03, 21-Jul-2018
16, 5.74, 29.1, 35, 738, 00 , 12:45:03, 21-Jul-2018
17, 5.80, 28.3, 37, 738, 00 , 13:00:03, 21-Jul-2018
18, 6.03, 27.1, 39, 738, 00 , 13:15:03, 21-Jul-2018
19, 6.03, 26.0, 42, 738, 00 , 13:30:03, 21-Jul-2018
20, 9.77, 25.5, 43, 738, 00 , 13:45:03, 21-Jul-2018
21, 8.56, 25.3, 42, 738, 00 , 14:00:03, 21-Jul-2018
22, 5.86, 25.3, 42, 738, 00 , 14:15:03, 21-Jul-2018
23, 6.58, 25.5, 41, 738, 00 , 14:30:03, 21-Jul-2018

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"Tag Number ", 23
"Start Time ", 08:45:03
"Start Date ", 21-Jul-2018
"Log Period ", 00:15:00
"Number ", 23
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 1089.298725
"Max Disp @ ", 13:16:39 21-Jul-2018
"Max STEL ", 87.384386
"Max STEL @ ", 13:23:03 21-Jul-2018
"Avg point ", 16.207707
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 5.98, 19.2, 59, 740, 01 , 09:00:03, 21-Jul-2018
2, 5.34, 19.4, 60, 740, 00 , 09:15:03, 21-Jul-2018
3, 5.21, 20.0, 59, 740, 00 , 09:30:03, 21-Jul-2018
4, 5.41, 20.5, 57, 740, 00 , 09:45:03, 21-Jul-2018
5, 5.27, 20.8, 56, 740, 00 , 10:00:03, 21-Jul-2018
6, 6.99, 21.4, 55, 740, 00 , 10:15:03, 21-Jul-2018
7, 52.33, 22.4, 52, 740, 00 , 10:30:03, 21-Jul-2018
8, 6.95, 23.0, 48, 740, 00 , 10:45:03, 21-Jul-2018
9, 42.40, 23.3, 46, 740, 00 , 11:00:03, 21-Jul-2018
10, 10.20, 23.7, 47, 740, 00 , 11:15:03, 21-Jul-2018
11, 8.55, 24.2, 45, 740, 00 , 11:30:03, 21-Jul-2018
12, 6.72, 24.5, 44, 740, 00 , 11:45:03, 21-Jul-2018
13, 8.15, 25.0, 43, 740, 00 , 12:00:03, 21-Jul-2018
14, 6.54, 25.6, 41, 740, 00 , 12:15:03, 21-Jul-2018
15, 7.95, 26.6, 39, 740, 00 , 12:30:03, 21-Jul-2018
16, 7.78, 27.0, 36, 740, 00 , 12:45:03, 21-Jul-2018
17, 4.74, 26.8, 37, 740, 00 , 13:00:03, 21-Jul-2018
18, 8.14, 26.0, 38, 740, 00 , 13:15:03, 21-Jul-2018
19, 84.25, 25.0, 40, 740, 00 , 13:30:03, 21-Jul-2018
20, 7.88, 24.5, 42, 740, 00 , 13:45:03, 21-Jul-2018
21, 62.52, 24.7, 42, 740, 00 , 14:00:03, 21-Jul-2018
22, 4.67, 24.9, 40, 740, 00 , 14:15:03, 21-Jul-2018
23, 8.81, 25.3, 38, 740, 00 , 14:30:03, 21-Jul-2018

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"Serial no. ", "0115249059"
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"Start Time ", 08:45:03
"Start Date ", 21-Jul-2018
"Log Period ", 00:15:00
"Number ", 23
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 1089.298725
"Max Disp @ ", 13:16:39 21-Jul-2018
"Max STEL ", 87.384386
"Max STEL @ ", 13:23:03 21-Jul-2018
"Avg point ", 16.207707
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 5.98, 19.2, 59, 740, 01 , 09:00:03, 21-Jul-2018
2, 5.34, 19.4, 60, 740, 00 , 09:15:03, 21-Jul-2018
3, 5.21, 20.0, 59, 740, 00 , 09:30:03, 21-Jul-2018
4, 5.41, 20.5, 57, 740, 00 , 09:45:03, 21-Jul-2018
5, 5.27, 20.8, 56, 740, 00 , 10:00:03, 21-Jul-2018
6, 6.99, 21.4, 55, 740, 00 , 10:15:03, 21-Jul-2018
7, 52.33, 22.4, 52, 740, 00 , 10:30:03, 21-Jul-2018
8, 6.95, 23.0, 48, 740, 00 , 10:45:03, 21-Jul-2018
9, 42.40, 23.3, 46, 740, 00 , 11:00:03, 21-Jul-2018
10, 10.20, 23.7, 47, 740, 00 , 11:15:03, 21-Jul-2018
11, 8.55, 24.2, 45, 740, 00 , 11:30:03, 21-Jul-2018
12, 6.72, 24.5, 44, 740, 00 , 11:45:03, 21-Jul-2018
13, 8.15, 25.0, 43, 740, 00 , 12:00:03, 21-Jul-2018
14, 6.54, 25.6, 41, 740, 00 , 12:15:03, 21-Jul-2018
15, 7.95, 26.6, 39, 740, 00 , 12:30:03, 21-Jul-2018
16, 7.78, 27.0, 36, 740, 00 , 12:45:03, 21-Jul-2018
17, 4.74, 26.8, 37, 740, 00 , 13:00:03, 21-Jul-2018
18, 8.14, 26.0, 38, 740, 00 , 13:15:03, 21-Jul-2018
19, 84.25, 25.0, 40, 740, 00 , 13:30:03, 21-Jul-2018
20, 7.88, 24.5, 42, 740, 00 , 13:45:03, 21-Jul-2018
21, 62.52, 24.7, 42, 740, 00 , 14:00:03, 21-Jul-2018
22, 4.67, 24.9, 40, 740, 00 , 14:15:03, 21-Jul-2018
23, 8.81, 25.3, 38, 740, 00 , 14:30:03, 21-Jul-2018

>"Model Number", "PDR-1500", 01.34
"Serial no. ", "CM15111014"
"Tag Number ", 35
"Start Time ", 08:45:03
"Start Date ", 21-Jul-2018
"Log Period ", 00:15:00
"Number ", 23
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 87.090235
"Max Disp @ ", 11:19:03 21-Jul-2018
"Max STEL ", 15.049028
"Max STEL @ ", 11:32:33 21-Jul-2018
"Avg point ", 7.820571
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 7.73, 17.2, 66, 740, 01 , 09:00:03, 21-Jul-2018
2, 7.23, 17.6, 67, 740, 00 , 09:15:03, 21-Jul-2018
3, 7.15, 18.5, 64, 740, 00 , 09:30:03, 21-Jul-2018
4, 7.42, 19.2, 62, 740, 00 , 09:45:03, 21-Jul-2018
5, 7.08, 19.7, 60, 740, 00 , 10:00:03, 21-Jul-2018
6, 7.73, 20.6, 59, 740, 00 , 10:15:03, 21-Jul-2018
7, 13.32, 23.0, 52, 740, 00 , 10:30:03, 21-Jul-2018
8, 7.38, 23.7, 49, 740, 00 , 10:45:03, 21-Jul-2018
9, 9.18, 23.3, 49, 740, 00 , 11:00:03, 21-Jul-2018
10, 7.19, 23.5, 49, 740, 00 , 11:15:03, 21-Jul-2018
11, 15.03, 24.1, 47, 740, 00 , 11:30:03, 21-Jul-2018
12, 9.56, 23.6, 48, 740, 00 , 11:45:03, 21-Jul-2018
13, 12.43, 24.9, 45, 740, 00 , 12:00:03, 21-Jul-2018
14, 6.88, 26.8, 41, 740, 00 , 12:15:03, 21-Jul-2018
15, 6.26, 28.0, 38, 740, 00 , 12:30:03, 21-Jul-2018
16, 5.75, 27.6, 37, 740, 00 , 12:45:03, 21-Jul-2018
17, 5.94, 26.7, 39, 740, 00 , 13:00:03, 21-Jul-2018
18, 6.31, 25.1, 42, 740, 00 , 13:15:03, 21-Jul-2018
19, 6.08, 23.8, 45, 740, 00 , 13:30:03, 21-Jul-2018
20, 6.22, 23.3, 46, 740, 00 , 13:45:03, 21-Jul-2018
21, 6.04, 23.2, 46, 740, 00 , 14:00:03, 21-Jul-2018
22, 6.21, 23.2, 45, 740, 00 , 14:15:03, 21-Jul-2018
23, 5.75, 23.4, 44, 740, 00 , 14:30:03, 21-Jul-2018

DAILY OBSERVATION REPORT

Report No.:	45	Project File:	MN0832D	Date:	7/23/2018

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Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Cody Saville

Site Representative: Ashwin Ranna

Arrive at Site: 0630hrs. Leave Site: 1900hrs.

Contractor: Recon

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Intermittent showers	am	Intermittent showers	pm
Temperature:	70° F	am	~75° F	pm
Wind Direction:	10 S	am	7 E/SE	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☐	N/A ☒
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 45 Project File: MN0832D Date: 7/23/2018

Materials Imported and Removed from Work Areas

TSCA: 13 trucks

Imported: 0

As of 23 July 2018:

TSCA Soil Removal:

Total Loads today: 13 Total Loads to date: 207

Weight: ~22 tons/each Total Weight to date: ~5122 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: Pending Total Loads to date: 15

Weight: 0 Tons Total Weight to date: ~293 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: 0 Tons Total Weight to date: 132 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: 159

Weight: ~22 Tons/each Total Weight to date: ~3343 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Geosyntec arrived on site at 0730. Attended Recon safety meeting. Recon informed Geosyntec that due to expected rain on site they were not planning on continuing excavation activities today. A short crew was kept on site to load out the TSCA trucks. AR held the Geosyntec Safety tailgate meeting and carried out a site orientation.

Report No.:	45	Project File:	MN0832D	Date:	7/23/2018

- AR reviewed site progress with Bill A from Recon. Bill A, EL and AR inspected site and reviewed the Critical paths for work progress. Bill confirmed that 13 TSCA trucks were expected to be loaded today.
- Because of steady rain expected throughout the day dust monitors were not set up. Geosyntec set up the TISCH samplers across site.
- First truck arrives at 0900 and loading continued till 1245.
- AR met with Dom Insogna of EHS and reviewed the site progress. DI confirmed that water had been restored to the school building.
- Welliver continued work throughout the day installing piles in the phase 1 section of the work.

PM

- Aron Krasnopoler and Martin Howe from Unisys were on site at 1130. Marty was brought up to speed on site excavation and reviewed site progress. AK and MH left site at 1300.
- Site was shut down after trucks were loaded at 1400. Piles were covered and weighted at the end of the day.
- Scott Williams from DEC arrived on site at 1430. He reviewed the work progress and left after inspecting the site.
- Between 1500 and 1900 Geosyntec packed and shipped samples for the day. AR closed site and left at 1900.

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Addison Hofferth
- Rich Tonnucour
- (Recon labor) X10

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- Portable Toilets
- Hand Wash Stations
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 Containments
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Vibratory Hammer
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Martin Howe	Unisys	Yes
Scott Williams	DEC	Yes

DAILY OBSERVATION REPORT

Report No.:	45	Project File:	MN0832D	Date:	7/23/2018

Dominic Insogna	EHS	No

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: NA

ITEMS OF CONCERN:

- None

Site Representative: Ashwin Ranna

Date: 7/23/2018

Name (Signature):



Report No.:	45	Project File:	MN0832D	Date:	7/23/2018

Photo Log

Date : 7/23/2018

	
Loading TSCA trucks	K wing roof drain pumps in operation
	
Shut down site at end of day, piles covered	EHS continues Installing Pile foundations for phase 1

DAILY OBSERVATION REPORT

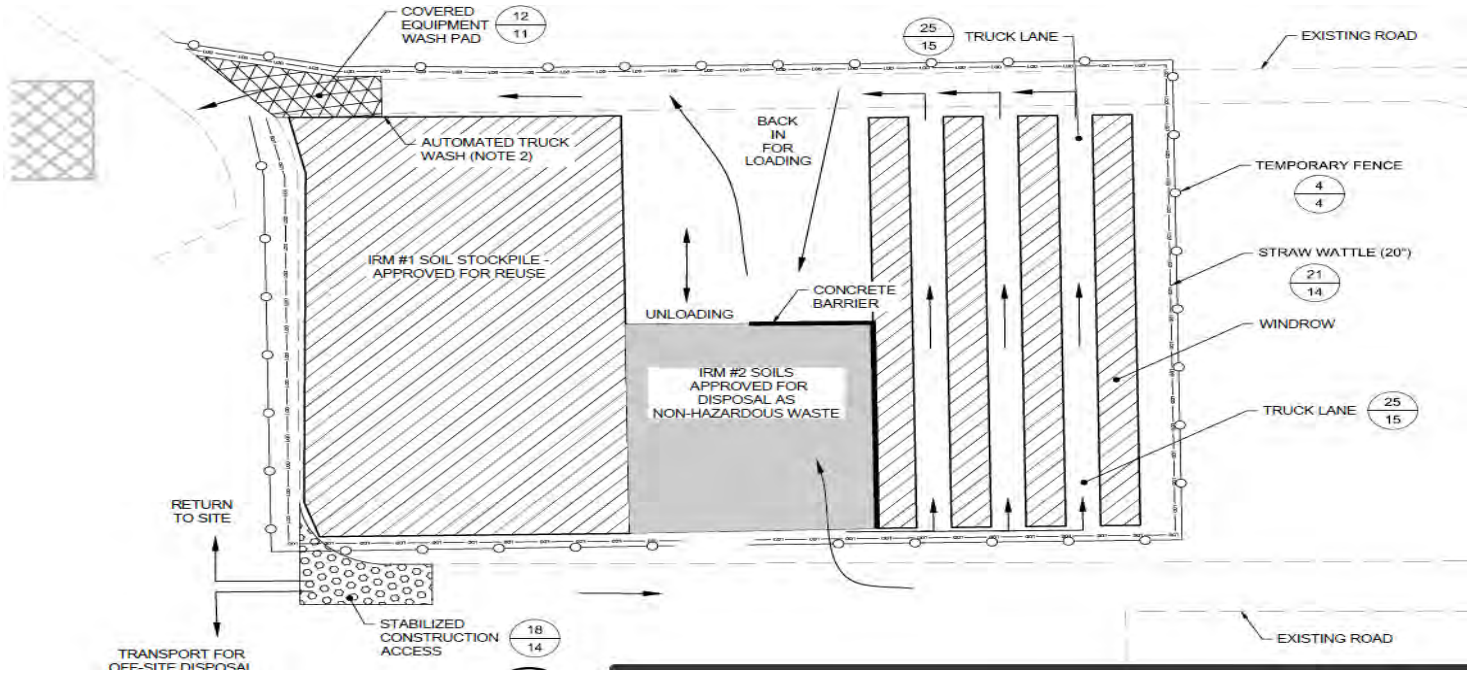
Report No.:	45	Project File:	MN0832D	Date:	7/23/2018

Site Map

Rear Parking Lot



MSA



DAILY OBSERVATION REPORT

Report No.:	46	Project File:	MN0832D	Date:	7/24/2018

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PM: Aron Krasnopoler

CQA Representative: Cody Saville

Site Location: Former Sperry Remington Site N

Site Representative: Ashwin Ranna

Arrive at Site: 0630hrs. Leave Site: 1900hrs.

Contractor: Recon

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Intermittent showers	am	Intermittent showers	pm
Temperature:	70° F	am	~76° F	pm
Wind Direction:	3 SSE	am	Calm	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☐	N/A ☒
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 46 Project File: MN0832D Date: 7/24/2018

Materials Imported and Removed from Work Areas

TSCA: 0trucks

Imported: 0

As of 23 July 2018:

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 207

Weight: 0 tons/each Total Weight to date: ~5122 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 15

Weight: 0 Tons Total Weight to date: ~293 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: 0 Tons Total Weight to date: 132 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: 159

Weight: ~22 Tons/each Total Weight to date: ~3343 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	46	Project File:	MN0832D	Date:	7/24/2018

Summary of Events

AM

- Geosyntec arrived on site at 0730. Attended Recon safety meeting. Recon set up to continue excavation within phase 2 of the excavation in preparation for the TSCA trucks loading the next day. Rain on site, which was expected to continue throughout the day. Geosyntec decided not to deploy dust monitors.
- Geosyntec held the safety tailgate meeting and planned the day's activities, including reviewing samples to be collected and sampling of material in MSA.
- Between 0930 and 1030 AR attended the site team meeting. Progress was reviewed, and Critical path items were discussed. Recon arranged for additional frac tanks to be brought to site to containerize all the water being generated due to the rain.
- Recon dewatered the area between the gas and electrical lines. Side walls were sloped to allow support to the utilities and excavation continued till ~6 feet bgs between the gas and electric lines. TSCA material was also collected and stockpiled for loading out tomorrow. An attempt was made to collect the 6-8' material towards the western end of the excavation, however the heavy rain and waterlogged conditions caused material under the utilities to start collapsing, to avoid having to prop up the utilities excavation was only carried out to 6' towards the east.
- Geosyntec collected side and bottom samples from the excavation area.

PM

- AK reviewed site progress and coordinated with the landfill agency to prepare for Non haz material loadout. AK left site at 1300.
- An additional frac tank was brought to site and unloaded at the MSA. Rainwater from the excavation was stored within the tank using a vacuum truck.
- Recon continued excavating till 1530. A hand dig was carried out to locate the water line after excavating to about 6' with the excavator. On exposing the water line, it was observed that the pipe had been damaged between the gas and electric lines. Since the line had been shut off during repairs from the previous strike, no additional water entered the excavation. All repairs to the breaks in the water line will be carried out simultaneously.
- Recon began shutting down the site and majority of the personnel left site at 1500.
- Geosyntec completed sampling windrows and excavation limit samples and started packing coolers around 1600. Scott Williams visited site and inspected the excavation. Recon informed DEC about the line hit, SW took photographs, completed the inspection and left site at 1630.
- Samples were packed and prepared for shipping by 1800. EL left site to ship samples. AR completed a SWPPP and advised Recon to inspect and monitor the sump pump sat the TSCA loading area. Geosyntec completed site shutdown and left site at 1900

Report No.:	46	Project File:	MN0832D	Date:	7/24/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Rich Tonnucour
- (Recon labor) X17

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	DEC	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: NA

ITEMS OF CONCERN:

The water line was observed to be damaged between the gas and electric lines following excavation near that area. No water entered the excavation because the water had been shut off due to ongoing repairs.

DAILY OBSERVATION REPORT

Report No.:	46	Project File:	MN0832D	Date:	7/24/2018

Site Representative: Ashwin Ranna

Date: 7/23/2018

Name (Signature):



Report No.:	46	Project File:	MN0832D	Date:	7/24/2018

Photo Log

Date : 7/23/2018

	
Accumulation of rainwater within excavation	Exposing the gas line
	
Stockpiling Non haz material in the MSA	Storing water from excavation in new frac tanks at the MSA

DAILY OBSERVATION REPORT

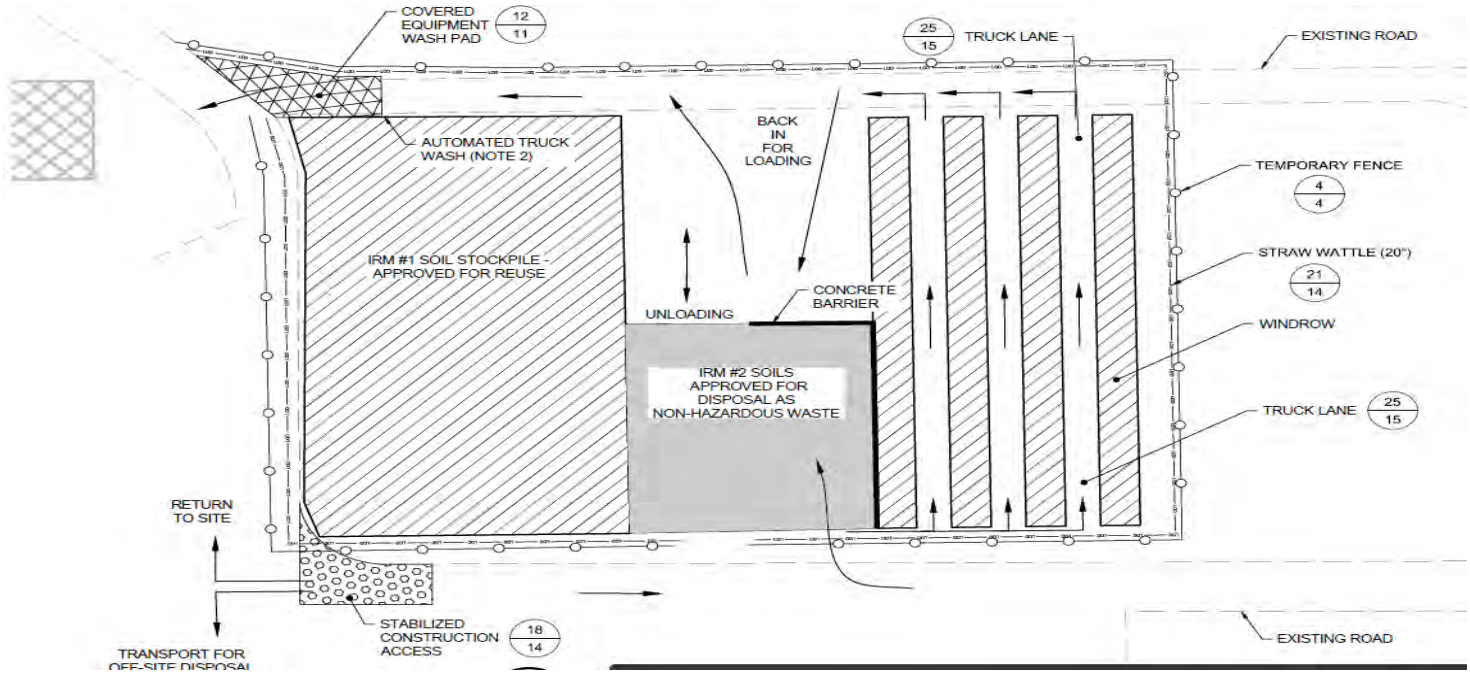
Report No.:	46	Project File:	MN0832D	Date:	7/24/2018

Site Map

Rear Parking Lot



MSA



DAILY OBSERVATION REPORT

Report No.:	47	Project File:	MN0832D	Date:	7/25/2018

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PM: Aron Krasnopoler

CQA Representative: Cody Saville

Site Location: Former Sperry Remington Site N

Site Representative: Ashwin Ranna

Arrive at Site: 0700hrs. Leave Site: 1815hrs.

Contractor: Recon

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Intermittent showers	am	Intermittent showers	pm
Temperature:	70° F	am	~72° F	pm
Wind Direction:	4 SSE	am	Calm	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☐	N/A ☒
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 47 Project File: MN0832D Date: 7/25/2018

Materials Imported and Removed from Work Areas

As of 25 July 2018:

TSCA Soil Removal:

Total Loads today: 11 Total Loads to date: 218

Weight: 22 tons/each Total Weight to date: ~5364 Tons

Non Haz Soil Removal:

Total Loads today: 18 Total Loads to date: 18

Weight: 20 tons/each Total Weight to date: ~360 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 15

Weight: 0 Tons Total Weight to date: ~293 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: 0 Tons Total Weight to date: 132 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: 159

Weight: ~22 Tons/each Total Weight to date: ~3343 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	47	Project File:	MN0832D	Date:	7/25/2018

Summary of Events

AM

- Geosyntec arrived on site at 0700. Attended Recon safety meeting. Recon set up to continue excavation within phase 2 of the excavation in preparation for the TSCA trucks loading the next day. Heavy rain was observed on site and was expected to continue throughout the day. Geosyntec decided not to deploy dust monitors.
- Geosyntec held the safety tailgate meeting and planned the day's activities, including reviewing samples to be collected and sampling of material in MSA.
- Recon anticipated 11 TSCA trucks loading and 3 rounds of 8 Non haz trucks loading from the MSA. Geosyntec personnel were deployed to supervise loading and manifesting of the trucks.
- Recon moved TSCA material within the excavation to the TSCA loading point. Several additional concrete and brick structures were exposed during the excavation. Concrete artifacts within the excavation were also moved out towards the TSCA loading area.
- 11 TSCA trucks arrived on site and were loaded and manifested by 1245. 8 Non Haz trucks were loaded and sent to the landfill in the first round
- Recon employed a vac truck to drain standing water where possible. Water vacuumed was stored in the frac tanks.

PM

- Amanda Castignetti from Sterling arrived on site and requested clarification on the work progress. She reviewed the excavation and material loadout and said that the school contractor was not planning to work till drier conditions returned.
- Additional heavy showers occurred after the lunch break. Material on site became extremely waterlogged and excavation was halted. The second round of 8 trucks arrived at 1245 and was loaded and sent offsite by 1330. Third round of trucks was expected at 1600
- Recon began shutting down the site and majority of the personnel left site at 1400. A skeleton crew was left on site to complete loading of non-haz trucks third round
- Pat Carr from Recon arrived on site at 1500. He inspected the site and attended a meeting with Geosyntec at 1530.
- AR completed a SWPPP inspection and checked sumps and silt fences.
- Only 2 non haz trucks returned for the third round. Loading was stopped at 1700. Geosyntec completed site shutdown and left site at 1815.

Report No.: 47 Project File: MN0832D Date: 7/25/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Patrick Carr
- Bill Abraczisnkas
- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Rich Tonnucour
- (Recon labor) X17

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	DEC	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: NA

ITEMS OF CONCERN:

Water in excavations and wet soils

DAILY OBSERVATION REPORT

Report No.:	47	Project File:	MN0832D	Date:	7/25/2018

Site Representative: Ashwin Ranna

Date: 7/25/2018

Name (Signature):



Report No.: 47 Project File: MN0832D Date: 7/25/2018

Photo Log

Date : 7/25/2018



Accumulation of rainwater within excavation



Excavating TSCA material for loadout



Loading TSCA material



Decon of Non Haz trucks at the MSA

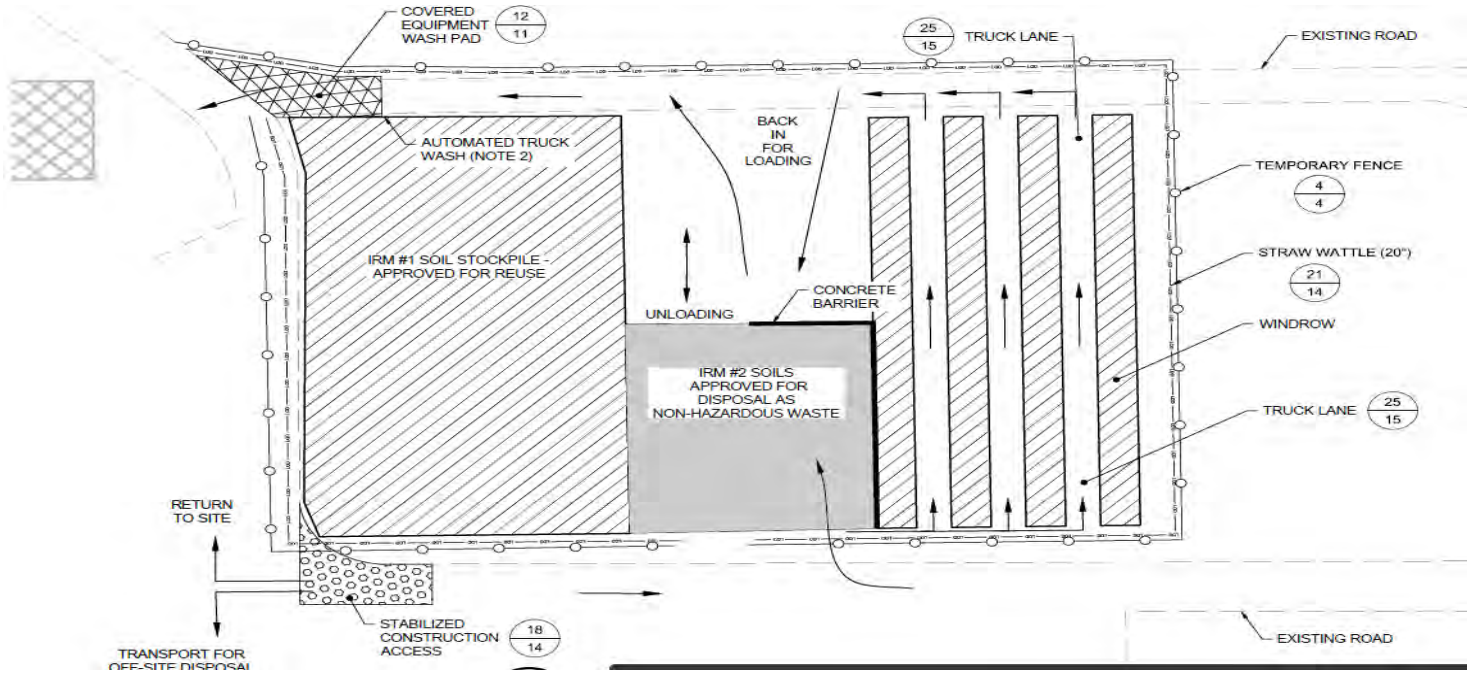
Report No.:	47	Project File:	MN0832D	Date:	7/25/2018

Site Map

Rear Parking Lot



MSA



DAILY OBSERVATION REPORT

Report No.:	48	Project File:	MN0832D	Date:	7/26/2018

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Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler
CQA Representative: Cody Saville
Site Representative: Ashwin Ranna
Contractor: Recon
Health & Safety: Ashwin Ranna

Arrive at Site: 0655hrs. Leave Site: 1855hrs.

Weather and Site Conditions

General Description:	Intermittent showers	am	Intermittent showers	pm
Temperature:	67° F	am	~79° F	pm
Wind Direction:	6 SW	am	12 SSW	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Materials Imported and Removed from Work Areas

Report No.:	48	Project File:	MN0832D	Date:	7/26/2018

As of 25 July 2018:

TSCA Soil Removal:

Total Loads today: 12 Total Loads to date: 230

Weight: 22 tons/each Total Weight to date: ~5628 Tons

Non Haz Soil Removal:

Total Loads today: 18 Total Loads to date: 36

Weight: 20 tons/each Total Weight to date: ~720Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 15

Weight: 0 Tons Total Weight to date: ~293 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 4 Total Loads to date: 9

Weight: 83 Tons Total Weight to date: 215 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: 159

Weight: ~22 Tons/each Total Weight to date: ~3343 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Summary of Events

AM

- Geosyntec arrived on site at 0655. Attended Recon safety meeting. Recon set up to continue excavation within phase 2 of the excavation in preparation for the TSCA trucks loading the next day. Geosyntec calibrated and deployed dust monitors.
- Geosyntec held the safety tailgate meeting and planned the day's activities, including reviewing samples to be collected and sampling of material in MSA. New Geosyntec employees were given the site orientation.

Report No.:	48	Project File:	MN0832D	Date:	7/26/2018

- Recon anticipated 13 TSCA trucks loading and 2 rounds of 9 Non haz trucks loading from the MSA. Geosyntec personnel were deployed to supervise loading and manifesting of the trucks.
- Recon carried out excavation of material to the east of the storm sewer and the south of the electrical line. The material was separated as TSCA and Non TSCA as applicable. Excavation was carried out to reveal the storm sewer line.
- A concrete structure was exposed to the east of the sewer line. The structure appeared to consist of 2 retaining walls extending into the ground. Material within the structure was excavated to the base which appeared to be concrete slab appearing at 13.75'. After removing the limits of excavation, it was observed that the side slope for the soil under the electric line was collapsing due to water coming in at the base of the excavation. In view of expected rains permission was sought to backfill the excavation to stabilize the slope. Sight tubes were placed along the base to be able to survey the depth of the excavation within the concrete structure. Demarcation layer fabric and geotextile were placed along the soil slopes
- TSCA trucks arrived and were loaded throughout the day. Last truck (number 12) was loaded at 1600. Non haz trucks were loaded and made rounds twice with the last truck loaded at 1600.
- No activity was carried out by Capital improvement contractor within handed over phase 1 area due to wet conditions on site. Jason Plumley arrived on site and met with Recon. He reconfirmed that the wet conditions had pushed back his schedule and that he currently did not anticipate requiring access to phase 2 before August 8th. He also confirmed that he was aware that the water line was to be repaired
- Geosyntec began collecting samples from the area between the utility lines along the sloped excavation.

PM

- Dom Insogna arrived on site and met with CS. He reviewed the work progress and enquired as to whether any assistance was required.
- Sample collection continued till the end of the day. VOC samples were collected from the hydrocarbon odor area under the gas line. PCB samples collected were placed on ice.
- Scott Williams arrived on site at 1345. He inspected the excavation and observed the backfilling made within the concrete structure. He said he would be back the next day and took photos of the sampling between the utility lines.
- Recon began shutting down the site and majority of the personnel left site at 1630.
- AR completed a SWPPP inspection and checked sumps and silt fences. Rain water in phase 1 was being vacuumed out by the school contractor.
- Samples were packed and shipped by 1830. PCB samples were kept on ice. VOC samples were shipped. AR and CS shut down site and left at 1900.

Report No.: 48 Project File: MN0832D Date: 7/26/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Patrick Carr
- Bill Abraczisnkas
- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Rich Tonnucour
- (Recon labor) X17

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Dom Insogna	EHS	No
Scott Williams	DEC	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: NA

ITEMS OF CONCERN:

An employee from NYSEG arrived on site and attempted to read the gas and electric meters. She was advised not to leave without washing her shoes in the boot wash as she had walked onto the TSCA pad on the STCC property to get to the meter. She expressed concern that she might have been exposed to chemicals on site and was informed that she had not entered the exclusion zone. Signs are already in place advising that there is construction activity on site and that visitors should first go to the site office. Steps are being taken to ensure that visitors do not access site without escorts going forward.

DAILY OBSERVATION REPORT

Report No.:	48	Project File:	MN0832D	Date:	7/26/2018

Site Representative: Ashwin Ranna

Date: 7/26/2018

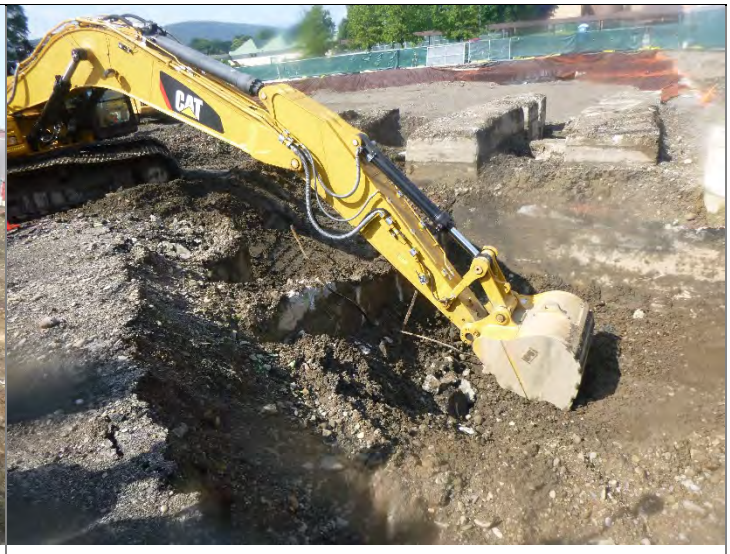
Name (Signature):



Report No.:	48	Project File:	MN0832D	Date:	7/26/2018

Photo Log

Date : 7/26/2018

	
Layout of excavation extents	Exposed concrete structure
	
Bottom slab of concrete structure~13.5’ + below BGS	Loading of TSCA trucks

Report No.: 48 Project File: MN0832D Date: 7/26/2018

Photo Log

Date : 7/26/2018



Placing demarcation fabric and sight tubes along concrete slab at base of the structure



Sample locations between utility lines on side slopes



Loading Non Haz material in MSA



Decon of Haul trucks at the MSA

DAILY OBSERVATION REPORT

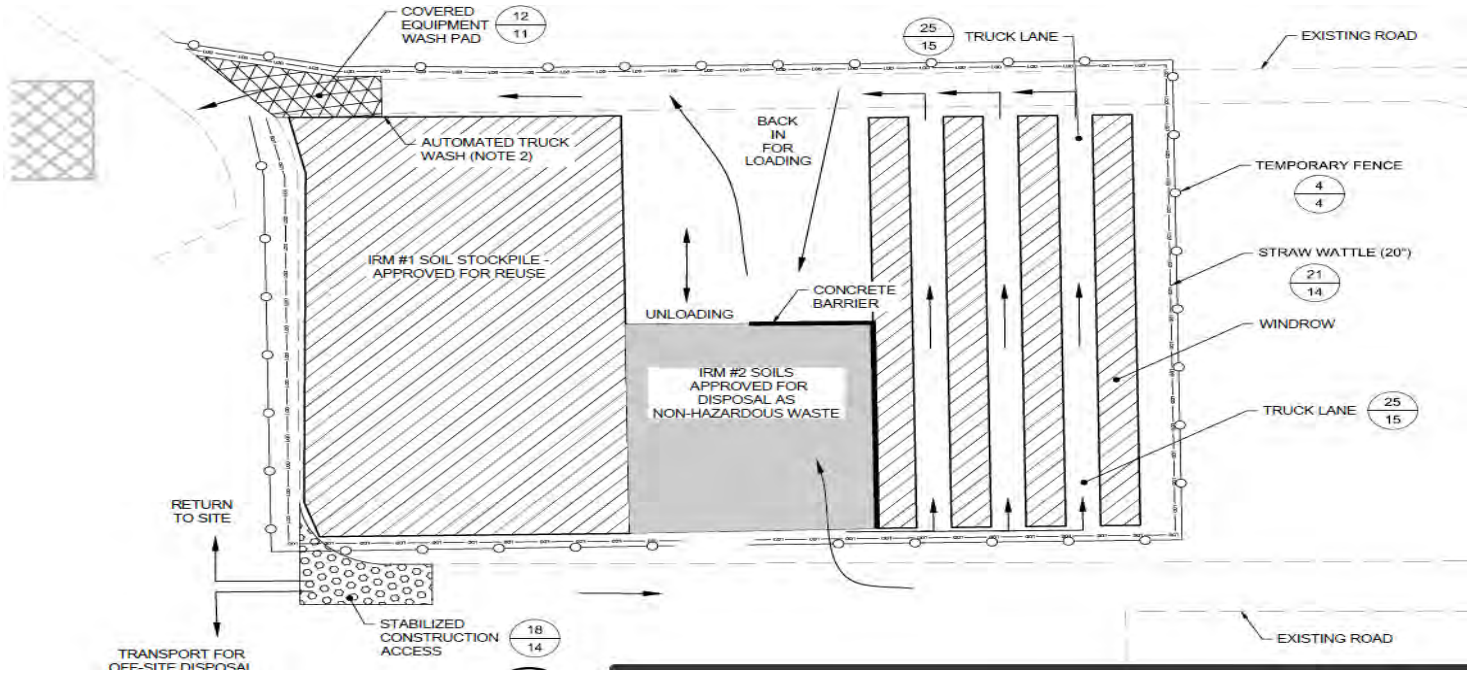
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Site Map

Rear Parking Lot

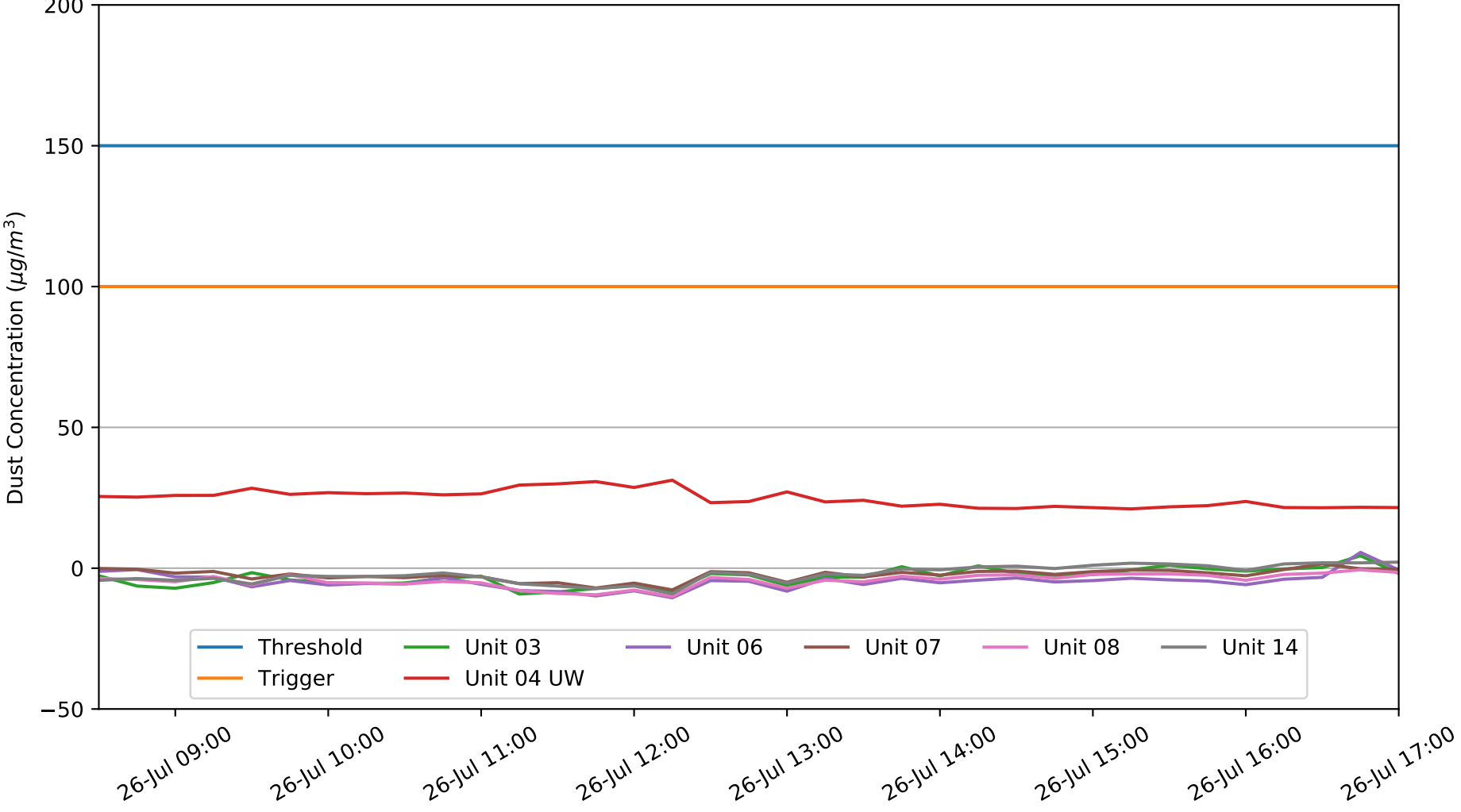


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 26-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 26-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 06	Unit 07	Unit 04 UW	Unit 14	Unit 08	Unit 03	Threshold	Trigger
2018-07-26 08:30:00	-1.13	-0.11	25.46	-4.32	-3.64	-2.69	150	100
2018-07-26 08:45:00	-0.51	-0.36	25.24	-3.68	-4.03	-6.33	150	100
2018-07-26 09:00:00	-3.07	-1.76	25.83	-4.31	-4.81	-7.12	150	100
2018-07-26 09:15:00	-3.2	-1.15	25.85	-3.6	-2.96	-5.11	150	100
2018-07-26 09:30:00	-6.61	-3.83	28.4	-5.6	-5.96	-1.6	150	100
2018-07-26 09:45:00	-4.38	-2.06	26.21	-2.53	-2.33	-4.17	150	100
2018-07-26 10:00:00	-5.96	-3.46	26.82	-2.93	-5.19	-5.21	150	100
2018-07-26 10:15:00	-5.43	-2.93	26.45	-2.96	-5.23	-5.41	150	100
2018-07-26 10:30:00	-5.61	-3.37	26.69	-2.67	-5.63	-5.26	150	100
2018-07-26 10:45:00	-3.34	-2.56	26.05	-1.69	-4.71	-3.49	150	100
2018-07-26 11:00:00	-5.72	-3.03	26.39	-3.09	-5.2	-2.82	150	100
2018-07-26 11:15:00	-7.93	-5.48	29.52	-5.54	-7.96	-9.17	150	100
2018-07-26 11:30:00	-8.29	-5.15	29.94	-6.37	-8.97	-8.43	150	100
2018-07-26 11:45:00	-9.84	-7.04	30.75	-7.22	-9.44	-7.21	150	100
2018-07-26 12:00:00	-8.03	-5.29	28.66	-6.32	-7.77	-6.12	150	100
2018-07-26 12:15:00	-10.5	-7.71	31.25	-9.11	-10.11	-8.24	150	100
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2018-07-26 12:45:00	-4.65	-1.62	23.67	-2.08	-3.99	-2.39	150	100
2018-07-26 13:00:00	-8.16	-5	27.09	-5.26	-7.13	-6.13	150	100
2018-07-26 13:15:00	-3.65	-1.46	23.53	-2.05	-4.26	-3.13	150	100
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2018-07-26 13:45:00	-3.6	-1.47	22.01	-0.25	-2.86	0.53	150	100
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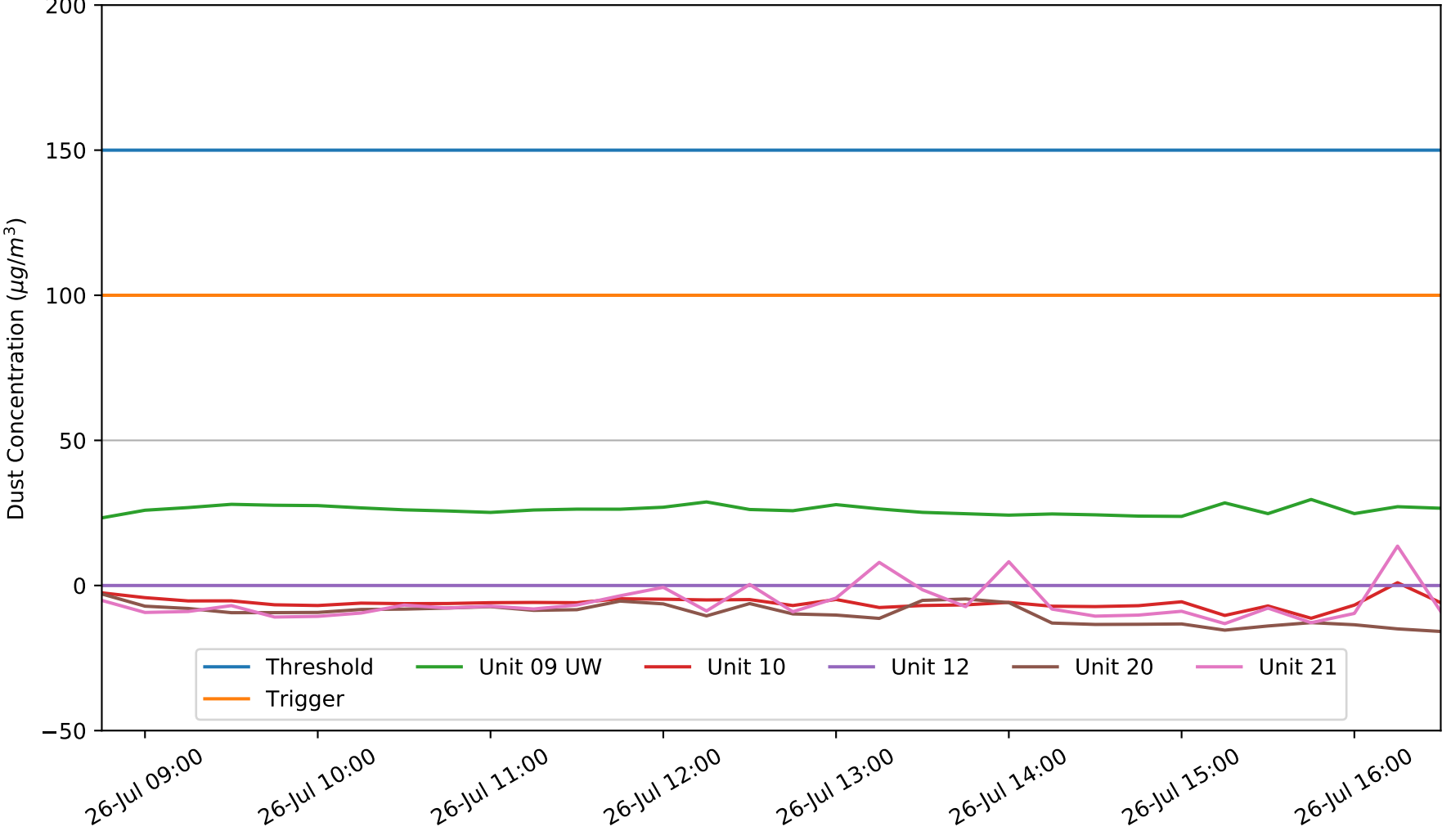
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35, 23.67, 35.4, 32, 736, 00 , 17:00:03, 26-Jul-2018

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"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 30.398145
"Max Disp @ ", 09:45:02 26-Jul-2018
"Max STEL ", 23.965030
"Max STEL @ ", 09:45:33 26-Jul-2018
"Avg point ", 20.422318
"ALARM ", "INSTANT "
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"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 21.82, 25.1, 67, 734, 02 , 08:30:03, 26-Jul-2018
2, 21.21, 26.9, 61, 736, 00 , 08:45:03, 26-Jul-2018
3, 21.02, 29.3, 54, 736, 00 , 09:00:03, 26-Jul-2018
4, 22.89, 31.5, 47, 736, 00 , 09:15:03, 26-Jul-2018
5, 22.44, 32.5, 44, 736, 00 , 09:30:03, 26-Jul-2018
6, 23.88, 33.1, 43, 736, 00 , 09:45:03, 26-Jul-2018
7, 21.63, 35.7, 38, 736, 00 , 10:00:03, 26-Jul-2018
8, 21.22, 38.0, 33, 736, 00 , 10:15:03, 26-Jul-2018
9, 21.06, 39.9, 29, 736, 00 , 10:30:03, 26-Jul-2018
10, 21.34, 41.3, 27, 736, 00 , 10:45:03, 26-Jul-2018
11, 21.19, 41.3, 27, 734, 00 , 11:00:03, 26-Jul-2018
12, 21.56, 41.8, 25, 734, 00 , 11:15:03, 26-Jul-2018
13, 20.97, 42.5, 24, 734, 00 , 11:30:03, 26-Jul-2018
14, 21.31, 43.1, 23, 734, 00 , 11:45:03, 26-Jul-2018
15, 20.89, 43.9, 21, 734, 00 , 12:00:03, 26-Jul-2018
16, 21.14, 44.5, 20, 734, 00 , 12:15:03, 26-Jul-2018
17, 19.95, 44.6, 19, 734, 00 , 12:30:03, 26-Jul-2018
18, 19.68, 43.5, 20, 734, 00 , 12:45:03, 26-Jul-2018
19, 19.96, 43.2, 20, 734, 00 , 13:00:03, 26-Jul-2018
20, 19.27, 42.3, 21, 734, 00 , 13:15:03, 26-Jul-2018
21, 19.29, 41.1, 23, 734, 00 , 13:30:03, 26-Jul-2018
22, 19.15, 40.1, 24, 734, 00 , 13:45:03, 26-Jul-2018
23, 18.78, 40.2, 23, 734, 00 , 14:00:03, 26-Jul-2018
24, 18.75, 40.2, 24, 734, 00 , 14:15:03, 26-Jul-2018
25, 18.84, 39.5, 24, 734, 00 , 14:30:03, 26-Jul-2018
26, 18.31, 39.7, 23, 734, 00 , 14:45:03, 26-Jul-2018
27, 19.26, 39.6, 23, 734, 00 , 15:00:03, 26-Jul-2018
28, 19.03, 40.0, 22, 734, 00 , 15:15:03, 26-Jul-2018
29, 19.74, 40.2, 22, 734, 00 , 15:30:03, 26-Jul-2018
30, 19.68, 40.5, 22, 734, 00 , 15:45:03, 26-Jul-2018
31, 19.41, 38.8, 25, 734, 00 , 16:00:03, 26-Jul-2018
32, 19.31, 38.3, 26, 734, 00 , 16:15:03, 26-Jul-2018
33, 19.72, 40.8, 22, 734, 00 , 16:30:03, 26-Jul-2018
34, 21.05, 42.5, 20, 734, 00 , 16:45:03, 26-Jul-2018
35, 20.01, 43.8, 18, 734, 00 , 17:00:03, 26-Jul-2018

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"RH CORRECT ", "ENABLED "
"Max Disp ", 57.201467
"Max Disp @ ", 16:31:17 26-Jul-2018
"Max STEL ", 27.014203
"Max STEL @ ", 09:30:53 26-Jul-2018
"Avg point ", 21.578727
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 22.77, 21.6, 83, 736, 01 , 08:30:03, 26-Jul-2018
2, 18.91, 21.9, 85, 736, 00 , 08:45:03, 26-Jul-2018
3, 18.71, 22.3, 84, 736, 00 , 09:00:03, 26-Jul-2018
4, 20.74, 22.8, 82, 736, 00 , 09:15:03, 26-Jul-2018
5, 26.80, 23.5, 79, 736, 00 , 09:30:03, 26-Jul-2018
6, 22.04, 23.8, 77, 736, 00 , 09:45:03, 26-Jul-2018
7, 21.61, 24.1, 78, 736, 00 , 10:00:03, 26-Jul-2018
8, 21.04, 24.6, 75, 736, 00 , 10:15:03, 26-Jul-2018
9, 21.43, 25.2, 75, 736, 00 , 10:30:03, 26-Jul-2018
10, 22.56, 26.0, 72, 736, 00 , 10:45:03, 26-Jul-2018
11, 23.57, 26.9, 69, 736, 00 , 11:00:03, 26-Jul-2018
12, 20.35, 28.0, 73, 736, 00 , 11:15:03, 26-Jul-2018
13, 21.51, 29.4, 68, 736, 00 , 11:30:03, 26-Jul-2018
14, 23.54, 30.8, 60, 736, 00 , 11:45:03, 26-Jul-2018
15, 22.54, 32.1, 56, 736, 00 , 12:00:03, 26-Jul-2018
16, 23.01, 33.5, 51, 736, 00 , 12:15:03, 26-Jul-2018
17, 21.35, 34.6, 45, 736, 00 , 12:30:03, 26-Jul-2018
18, 21.28, 34.6, 46, 736, 00 , 12:45:03, 26-Jul-2018
19, 20.96, 35.3, 44, 736, 00 , 13:00:03, 26-Jul-2018
20, 20.40, 35.6, 43, 736, 00 , 13:15:03, 26-Jul-2018
21, 20.90, 35.4, 38, 736, 00 , 13:30:03, 26-Jul-2018
22, 22.54, 35.3, 39, 736, 00 , 13:45:03, 26-Jul-2018
23, 19.95, 36.5, 36, 736, 00 , 14:00:03, 26-Jul-2018
24, 22.11, 37.4, 33, 736, 00 , 14:15:03, 26-Jul-2018
25, 19.45, 37.0, 34, 736, 00 , 14:30:03, 26-Jul-2018
26, 19.42, 38.4, 33, 736, 00 , 14:45:03, 26-Jul-2018
27, 19.20, 39.1, 30, 736, 00 , 15:00:03, 26-Jul-2018
28, 20.44, 39.5, 30, 736, 00 , 15:15:03, 26-Jul-2018
29, 22.86, 39.7, 28, 736, 00 , 15:30:03, 26-Jul-2018
30, 22.00, 39.8, 28, 736, 00 , 15:45:03, 26-Jul-2018
31, 22.65, 37.6, 31, 736, 00 , 16:00:03, 26-Jul-2018
32, 21.26, 37.0, 32, 736, 00 , 16:15:03, 26-Jul-2018
33, 21.69, 39.1, 30, 736, 00 , 16:30:03, 26-Jul-2018
34, 26.05, 40.5, 27, 736, 00 , 16:45:03, 26-Jul-2018
35, 19.64, 41.7, 25, 736, 00 , 17:00:03, 26-Jul-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 26-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 26-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 21	Unit 10	Unit 20	Unit 12	Unit 09 UW	Threshold	Trigger
2018-07-26 08:45:00	-5.14	-2.53	-2.92	0	23.3	150	100
2018-07-26 09:00:00	-9.29	-4.19	-7.13	0	25.93	150	100
2018-07-26 09:15:00	-8.96	-5.32	-7.92	0	26.85	150	100
2018-07-26 09:30:00	-6.94	-5.29	-9.37	0	27.97	150	100
2018-07-26 09:45:00	-10.87	-6.65	-9.35	0	27.65	150	100
2018-07-26 10:00:00	-10.63	-6.9	-9.28	0	27.53	150	100
2018-07-26 10:15:00	-9.49	-6.08	-8.27	0	26.74	150	100
2018-07-26 10:30:00	-6.76	-6.25	-8.14	0	26.07	150	100
2018-07-26 10:45:00	-7.76	-6.21	-7.78	0	25.68	150	100
2018-07-26 11:00:00	-7.13	-5.92	-7.29	0	25.18	150	100
2018-07-26 11:15:00	-8.09	-5.84	-8.57	0	26.01	150	100
2018-07-26 11:30:00	-6.73	-5.93	-8.34	0	26.31	150	100
2018-07-26 11:45:00	-3.55	-4.57	-5.38	0	26.29	150	100
2018-07-26 12:00:00	-0.63	-4.72	-6.34	0	26.97	150	100
2018-07-26 12:15:00	-8.78	-4.98	-10.48	0	28.79	150	100
2018-07-26 12:30:00	0.35	-4.86	-6.23	0	26.18	150	100
2018-07-26 12:45:00	-9.05	-6.9	-9.8	0	25.76	150	100
2018-07-26 13:00:00	-4.34	-4.82	-10.19	0	27.86	150	100
2018-07-26 13:15:00	7.97	-7.59	-11.34	0	26.38	150	100
2018-07-26 13:30:00	-1.47	-6.9	-5.13	0	25.2	150	100
2018-07-26 13:45:00	-7.29	-6.68	-4.65	0	24.73	150	100
2018-07-26 14:00:00	8.2	-5.82	-5.9	0	24.24	150	100
2018-07-26 14:15:00	-8.13	-7.14	-12.94	0	24.65	150	100
2018-07-26 14:30:00	-10.56	-7.27	-13.42	0	24.35	150	100
2018-07-26 14:45:00	-10.2	-6.96	-13.37	0	23.91	150	100
2018-07-26 15:00:00	-8.88	-5.61	-13.25	0	23.81	150	100
2018-07-26 15:15:00	-13.14	-10.32	-15.39	0	28.46	150	100
2018-07-26 15:30:00	-7.79	-7.05	-13.95	0	24.76	150	100
2018-07-26 15:45:00	-12.82	-11.29	-12.8	0	29.64	150	100
2018-07-26 16:00:00	-9.63	-6.76	-13.53	0	24.77	150	100
2018-07-26 16:15:00	13.58	0.96	-14.95	0	27.15	150	100
2018-07-26 16:30:00	-8.94	-5.94	-15.84	0	26.62	150	100

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"Max Disp @ ", 16:07:53 26-Jul-2018
"Max STEL   ", 42.911453
"Max STEL @ ", 16:19:53 26-Jul-2018
"Avg point ", 20.088301
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
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3, 17.89, 20.7, 75, 738, 00 , 09:15:03, 26-Jul-2018
4, 21.03, 21.2, 74, 738, 00 , 09:30:03, 26-Jul-2018
5, 16.78, 21.6, 74, 738, 00 , 09:45:03, 26-Jul-2018
6, 16.90, 22.4, 70, 738, 00 , 10:00:03, 26-Jul-2018
7, 17.25, 23.6, 66, 738, 00 , 10:15:03, 26-Jul-2018
8, 19.31, 24.6, 62, 738, 00 , 10:30:03, 26-Jul-2018
9, 17.92, 25.5, 60, 738, 00 , 10:45:03, 26-Jul-2018
10, 18.05, 26.4, 56, 738, 00 , 11:00:03, 26-Jul-2018
11, 17.92, 27.0, 54, 738, 00 , 11:15:03, 26-Jul-2018
12, 19.58, 28.1, 52, 738, 00 , 11:30:03, 26-Jul-2018
13, 22.74, 29.0, 48, 738, 00 , 11:45:03, 26-Jul-2018
14, 26.34, 28.9, 45, 738, 00 , 12:00:03, 26-Jul-2018
15, 20.01, 29.3, 43, 738, 00 , 12:15:03, 26-Jul-2018
16, 26.53, 30.0, 40, 738, 00 , 12:30:03, 26-Jul-2018
17, 16.71, 29.9, 40, 738, 00 , 12:45:03, 26-Jul-2018
18, 23.52, 30.9, 38, 736, 00 , 13:00:03, 26-Jul-2018
19, 34.35, 31.4, 37, 736, 00 , 13:15:03, 26-Jul-2018
20, 23.73, 31.2, 36, 736, 00 , 13:30:03, 26-Jul-2018
21, 17.44, 31.0, 36, 736, 00 , 13:45:03, 26-Jul-2018
22, 32.44, 32.5, 34, 736, 00 , 14:00:03, 26-Jul-2018
23, 16.52, 32.8, 34, 736, 00 , 14:15:03, 26-Jul-2018
24, 13.79, 33.4, 31, 736, 00 , 14:30:03, 26-Jul-2018
25, 13.71, 34.6, 29, 736, 00 , 14:45:03, 26-Jul-2018
26, 14.93, 35.0, 26, 736, 00 , 15:00:03, 26-Jul-2018
27, 15.32, 35.1, 26, 736, 00 , 15:15:03, 26-Jul-2018
28, 16.97, 35.3, 25, 736, 00 , 15:30:03, 26-Jul-2018
29, 16.82, 34.5, 27, 736, 00 , 15:45:03, 26-Jul-2018
30, 15.14, 33.1, 29, 736, 00 , 16:00:03, 26-Jul-2018
31, 40.73, 33.2, 30, 736, 00 , 16:15:03, 26-Jul-2018
32, 17.68, 35.0, 28, 736, 00 , 16:30:03, 26-Jul-2018

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"Tag Number ", 7
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"Log Period ", 00:15:00
"Number ", 32
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 175.042286
"Max Disp @ ", 16:04:55 26-Jul-2018
"Max STEL ", 29.345858
"Max STEL @ ", 16:18:53 26-Jul-2018
"Avg point ", 20.107002
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 20.77, 23.7, 70, 736, 01 , 08:45:03, 26-Jul-2018
2, 21.74, 26.8, 61, 736, 00 , 09:00:03, 26-Jul-2018
3, 21.53, 30.1, 51, 736, 00 , 09:15:03, 26-Jul-2018
4, 22.68, 31.9, 45, 736, 00 , 09:30:03, 26-Jul-2018
5, 21.00, 32.6, 43, 736, 00 , 09:45:03, 26-Jul-2018
6, 20.63, 34.1, 40, 736, 00 , 10:00:03, 26-Jul-2018
7, 20.66, 36.1, 37, 736, 00 , 10:15:03, 26-Jul-2018
8, 19.82, 37.2, 34, 736, 00 , 10:30:03, 26-Jul-2018
9, 19.47, 38.5, 32, 736, 00 , 10:45:03, 26-Jul-2018
10, 19.26, 39.3, 30, 736, 00 , 11:00:03, 26-Jul-2018
11, 20.17, 39.5, 30, 736, 00 , 11:15:03, 26-Jul-2018
12, 20.38, 38.6, 31, 736, 00 , 11:30:03, 26-Jul-2018
13, 21.72, 38.7, 31, 736, 00 , 11:45:03, 26-Jul-2018
14, 22.25, 38.0, 30, 736, 00 , 12:00:03, 26-Jul-2018
15, 23.81, 37.4, 31, 736, 00 , 12:15:03, 26-Jul-2018
16, 21.32, 36.7, 31, 736, 00 , 12:30:03, 26-Jul-2018
17, 18.86, 35.1, 34, 736, 00 , 12:45:03, 26-Jul-2018
18, 23.04, 35.3, 34, 736, 00 , 13:00:03, 26-Jul-2018
19, 18.79, 35.1, 34, 736, 00 , 13:15:03, 26-Jul-2018
20, 18.30, 34.7, 34, 736, 00 , 13:30:03, 26-Jul-2018
21, 18.05, 34.4, 34, 736, 00 , 13:45:03, 26-Jul-2018
22, 18.42, 34.8, 33, 736, 00 , 14:00:03, 26-Jul-2018
23, 17.51, 34.6, 33, 736, 00 , 14:15:03, 26-Jul-2018
24, 17.08, 35.0, 34, 736, 00 , 14:30:03, 26-Jul-2018
25, 16.95, 36.1, 31, 736, 00 , 14:45:03, 26-Jul-2018
26, 18.20, 36.6, 30, 736, 00 , 15:00:03, 26-Jul-2018
27, 18.14, 37.0, 29, 736, 00 , 15:15:03, 26-Jul-2018
28, 17.71, 37.6, 27, 736, 00 , 15:30:03, 26-Jul-2018
29, 18.35, 37.2, 28, 736, 00 , 15:45:03, 26-Jul-2018
30, 18.01, 35.9, 30, 736, 00 , 16:00:03, 26-Jul-2018
31, 28.11, 35.7, 30, 734, 00 , 16:15:03, 26-Jul-2018
32, 20.68, 36.4, 30, 734, 00 , 16:30:03, 26-Jul-2018

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"Tag Number ", 22
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"Start Date ", 26-Jul-2018
"Log Period ", 00:15:00
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"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 93.943148
"Max Disp @ ", 15:31:49 26-Jul-2018
"Max STEL   ", 23.125570
"Max STEL @ ", 11:50:53 26-Jul-2018
"Avg point ", 16.453533
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
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3, 18.93, 20.8, 72, 738, 00 , 09:15:03, 26-Jul-2018
4, 18.60, 21.2, 71, 738, 00 , 09:30:03, 26-Jul-2018
5, 18.30, 21.4, 71, 738, 00 , 09:45:03, 26-Jul-2018
6, 18.25, 21.8, 69, 738, 00 , 10:00:03, 26-Jul-2018
7, 18.47, 22.2, 68, 738, 00 , 10:15:03, 26-Jul-2018
8, 17.93, 22.6, 66, 738, 00 , 10:30:03, 26-Jul-2018
9, 17.90, 22.9, 65, 738, 00 , 10:45:03, 26-Jul-2018
10, 17.89, 23.5, 63, 738, 00 , 11:00:03, 26-Jul-2018
11, 17.44, 24.0, 62, 738, 00 , 11:15:03, 26-Jul-2018
12, 17.97, 24.9, 60, 738, 00 , 11:30:03, 26-Jul-2018
13, 20.91, 25.4, 56, 738, 00 , 11:45:03, 26-Jul-2018
14, 20.63, 25.8, 52, 738, 00 , 12:00:03, 26-Jul-2018
15, 18.31, 26.1, 50, 738, 00 , 12:15:03, 26-Jul-2018
16, 19.95, 26.6, 47, 738, 00 , 12:30:03, 26-Jul-2018
17, 15.96, 27.0, 45, 738, 00 , 12:45:03, 26-Jul-2018
18, 17.67, 27.7, 44, 736, 00 , 13:00:03, 26-Jul-2018
19, 15.04, 28.2, 42, 736, 00 , 13:15:03, 26-Jul-2018
20, 20.07, 28.2, 41, 736, 00 , 13:30:03, 26-Jul-2018
21, 20.08, 28.4, 40, 736, 00 , 13:45:03, 26-Jul-2018
22, 18.34, 29.6, 37, 736, 00 , 14:00:03, 26-Jul-2018
23, 11.71, 30.4, 36, 736, 00 , 14:15:03, 26-Jul-2018
24, 10.93, 31.7, 34, 736, 00 , 14:30:03, 26-Jul-2018
25, 10.54, 33.0, 28, 736, 00 , 14:45:03, 26-Jul-2018
26, 10.56, 33.5, 26, 736, 00 , 15:00:03, 26-Jul-2018
27, 13.07, 34.0, 25, 736, 00 , 15:15:03, 26-Jul-2018
28, 10.81, 34.4, 24, 736, 00 , 15:30:03, 26-Jul-2018
29, 16.84, 33.9, 25, 736, 00 , 15:45:03, 26-Jul-2018
30, 11.24, 32.5, 27, 736, 00 , 16:00:03, 26-Jul-2018
31, 12.20, 32.7, 29, 736, 00 , 16:15:03, 26-Jul-2018
32, 10.78, 34.6, 25, 736, 00 , 16:30:03, 26-Jul-2018

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"Log Period ", 00:15:00
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"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 15:31:21 26-Jul-2018
"Max STEL ", 29.915722
"Max STEL @ ", 15:36:03 26-Jul-2018
"Avg point ", 26.116467
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 23.30, 22.2, 71, 738, 01 , 08:45:03, 26-Jul-2018
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DAILY OBSERVATION REPORT

Report No.:	49	Project File:	MN0832D	Date:	7/27/2018

Geosyntec consultants

engineers | scientists | innovators

Beech and Bonaparte engineering p.c.

an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Cody Saville

Site Representative: Ashwin Ranna

Arrive at Site: 0645hrs. Leave Site: 1900hrs.

Contractor: Recon

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Intermittent showers	am	Intermittent showers	pm
Temperature:	60° F	am	~79° F	pm
Wind Direction:	3 SSW	am	7 WSW	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 49 Project File: MN0832D Date: 7/27/2018

Materials Imported and Removed from Work Areas

As of 27 July 2018:

TSCA Soil Removal:

Total Loads today: 6 Total Loads to date: 236

Weight: 22 tons/each Total Weight to date: ~5760 Tons

Non Haz Soil Removal:

Total Loads today: 14 Total Loads to date: 50

Weight: 20 tons/each Total Weight to date: ~1000Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 15

Weight: 0 Tons Total Weight to date: ~293 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: 0 Tons Total Weight to date: 132 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: 159

Weight: ~22 Tons/each Total Weight to date: ~3343 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	49	Project File:	MN0832D	Date:	7/27/2018

Summary of Events

AM

- Geosyntec arrived on site at 0645. Attended Recon safety meeting. Recon planned to load out TSCA trucks and backfill within the excavation. Geosyntec calibrated and deployed dust monitors.
- Geosyntec held the safety tailgate meeting and planned the day's activities, including reviewing samples to be collected. Geosyntec dispersed to MSA and RPL to supervise truck loading and CQA.
- Geosyntec collected Side slope samples along the edge of the excavation in the RPL. Welliver was on site and was carrying out pile installation. Surveyor was on site to complete as built of excavation on site.
- ATL laboratory technician was on site to take readings on compaction of backfill. Material was backfilled between gas and electric lines and compaction was tested. Readings were below required compaction and had high moisture. Material was scarified to reduce moisture and recompacted later in the day. Required compaction was achieved during the second test.
- Scott Williams from DEC arrived on site at 1030. Heidi Dudek from DEC also arrived around 1100. DEC advised Recon to spray water before cleaning the roads as visible dust was being generated by the brush.
- DEC inspected the site and inspected the extent of excavation completed. HD asked questions about the backfill process and took photos of the concrete structures exposed. She also inspected the area around the mulch beds and reviewed the football field sampling. She recommended that the pile of material generated during the excavation to seal off the break should be sampled on a high priority as the material was generated from a region close to the impacted mulch bed area. She further advised that we consider repairing the mulch beds (de-weeding and refreshing mulch) and mowing the grassy areas as they were planning a public meeting on the day before school opened. DEC also inspected the school building before leaving site around 1230. DEC also requested that we place silt socks and recommended building a berm around the imported clean fill material stored in the STCC area.
- Recon collected samples from the 2-4 interval around B888 to carry out a bench test for in-situ lead stabilization.
- TSCA trucks arrived and were loaded in the first half of the day.

PM

- Sampling continued till the end of the day. PCB samples collected were placed on ice. Sidewall sample locations were GPS'd and data uploaded.
- Scott Williams remained on site till 1430. He reviewed the backfilling being done. He said he would be back on Monday left site around 1400. Recon removed some reuse material from the RPL placed there as it was too wet to compact. This material was sent to the MSA and placed in windrows to be recharacterized.
- Second round of Non Haz trucks were loaded by 1400. School contractor continued drilling piles till 1900.
- Geoprobe from Cascade arrived on site and began soil sampling at the eastern extent of the LOD. Samples collected (PCB) were logged and placed on ice. Drillers were advised to return to site at 0730 to complete sampling. Sample locations were staked out by Recon.
- Recon began shutting down the site and majority of the personnel left site at 1630. Backfilling continued till 1700.
- AR completed a SWPPP inspection and checked sumps and silt fences.
- Geosyntec shut down site and left at 1900.

Report No.: 49 Project File: MN0832D Date: 7/27/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Patrick Carr
- Brian Kilkenny
- Bryan Balog
- Scott Earley
- Rich Tonnucour
- Seth Lovell
- (Recon labor) X17

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Heidi Dudek	DEC	Yes
Scott Williams	DEC	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: NA

ITEMS OF CONCERN:

Two monitors in the RPL and a monitor in the MSA did not collect readings. We will be tracking these monitors and troubleshooting as required. Additional monitors will be deployed on site to avoid issues.

DAILY OBSERVATION REPORT

Report No.:	49	Project File:	MN0832D	Date:	7/27/2018

Site Representative: Ashwin Ranna

Date: 7/27/2018

Name (Signature):



Report No.:	49	Project File:	MN0832D	Date:	7/27/2018

Photo Log

Date : 7/26/2018

	
Compacting between utilities	Unloading reuse material into the RPL
	
Compacting backfill south of the sewer lines	Spreading reuse material

Report No.:	49	Project File:	MN0832D	Date:	7/27/2018

Photo Log

Date : 7/26/2018

	
Loading Non haz material	Deconning trucks at the MSA

DAILY OBSERVATION REPORT

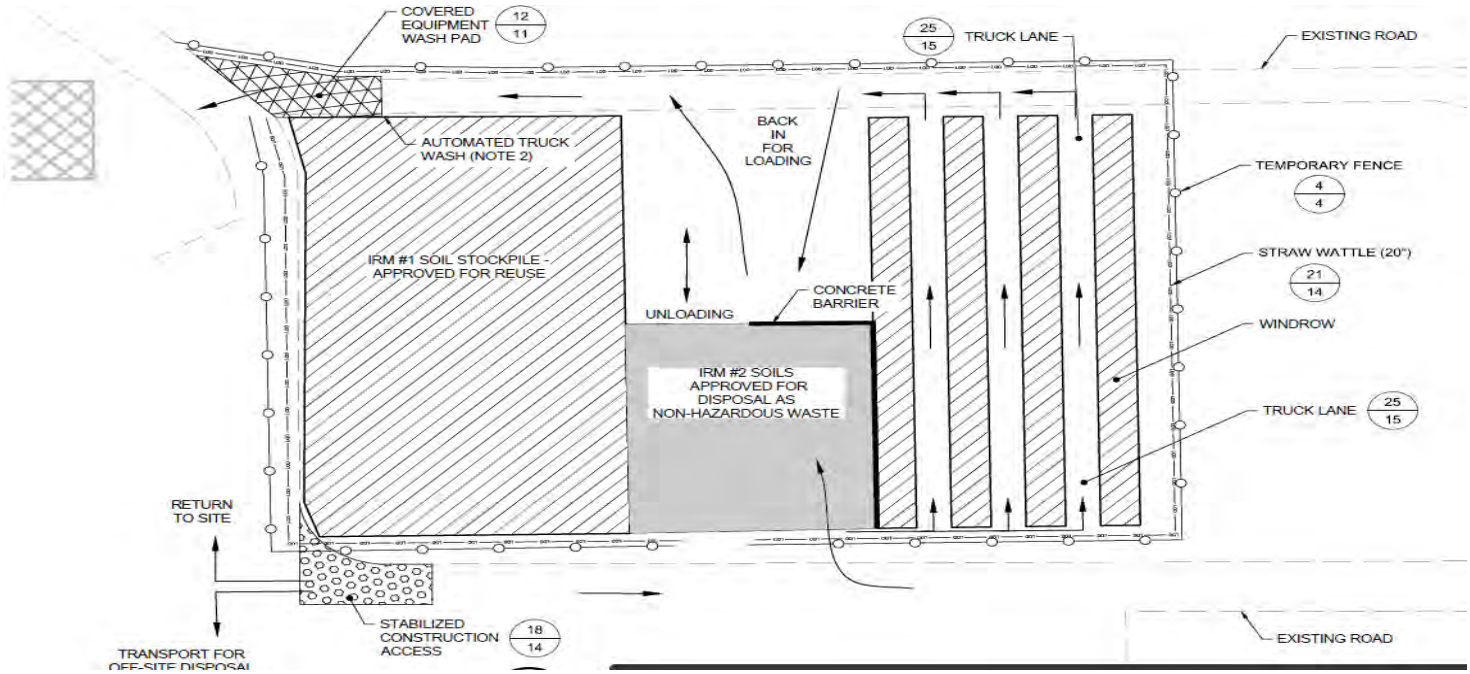
Report No.:	49	Project File:	MN0832D	Date:	7/27/2018

Site Map

Rear Parking Lot

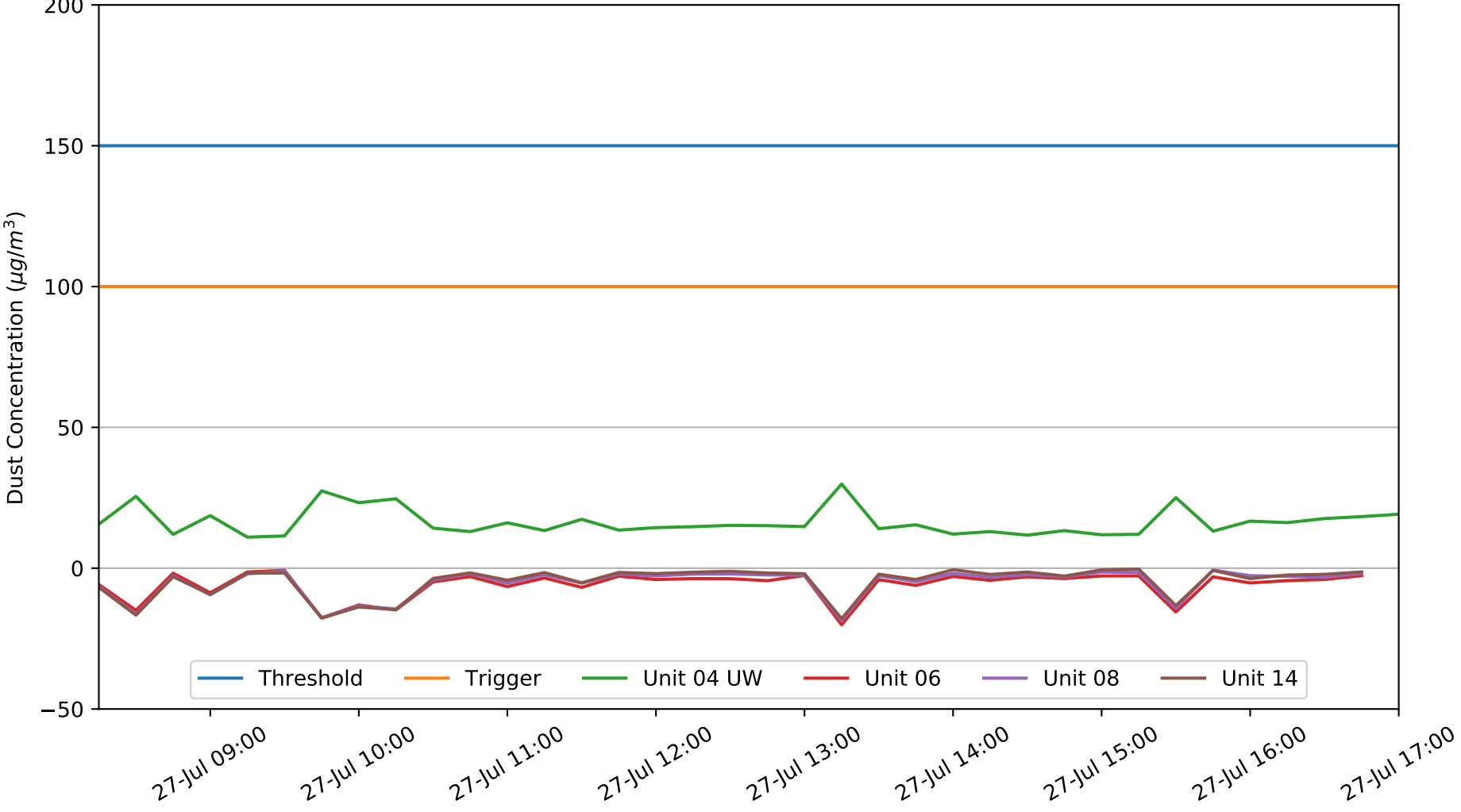


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 27-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 27-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 04 UW	Unit 06	Unit 14	Unit 08	Threshold	Trigger
2018-07-27 08:15:00	15.63	-5.78	-6.82	-6.51	150	100
2018-07-27 08:30:00	25.5	-14.98	-16.67	-16.28	150	100
2018-07-27 08:45:00	12	-1.77	-3.04	-2.74	150	100
2018-07-27 09:00:00	18.66	-8.73	-9.19	-9.48	150	100
2018-07-27 09:15:00	11.01	-1.36	-1.75	-1.99	150	100
2018-07-27 09:30:00	11.44	-0.79	-1.71	-1.1	150	100
2018-07-27 09:45:00	27.44	-17.64	-17.72	-17.58	150	100
2018-07-27 10:00:00	23.26	-13.07	-13.75	-13.44	150	100
2018-07-27 10:15:00	24.64	-14.81	-14.76	-14.47	150	100
2018-07-27 10:30:00	14.22	-4.86	-3.64	-4.18	150	100
2018-07-27 10:45:00	12.99	-2.98	-1.66	-1.95	150	100
2018-07-27 11:00:00	16.12	-6.54	-4.27	-5.32	150	100
2018-07-27 11:15:00	13.35	-3.47	-1.57	-2.31	150	100
2018-07-27 11:30:00	17.37	-6.8	-5.2	-5.3	150	100
2018-07-27 11:45:00	13.51	-2.84	-1.5	-2.1	150	100
2018-07-27 12:00:00	14.4	-4.02	-1.93	-2.73	150	100
2018-07-27 12:15:00	14.74	-3.69	-1.42	-2.1	150	100
2018-07-27 12:30:00	15.2	-3.73	-1.11	-2.05	150	100
2018-07-27 12:45:00	15.09	-4.44	-1.7	-2.41	150	100
2018-07-27 13:00:00	14.78	-2.6	-1.95	-2.46	150	100
2018-07-27 13:15:00	29.87	-20.1	-17.95	-18.69	150	100
2018-07-27 13:30:00	14.02	-4.05	-2.14	-2.64	150	100
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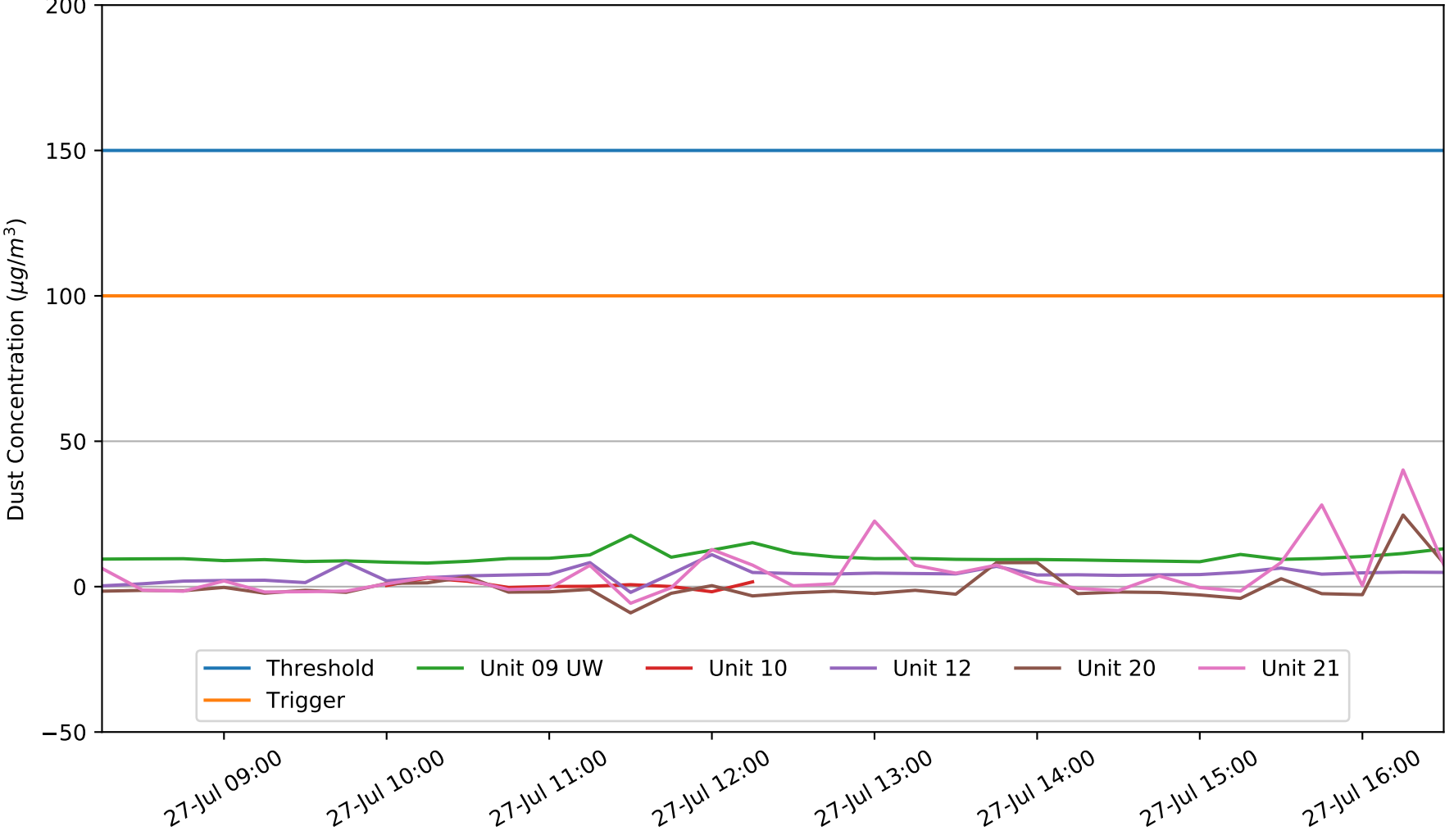
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11, 10.01, 30.5, 33, 740, 02 , 10:55:03, 27-Jul-2018
12, 9.58, 32.4, 31, 740, 02 , 11:10:03, 27-Jul-2018
13, 9.88, 31.7, 31, 740, 02 , 11:25:03, 27-Jul-2018
14, 10.57, 29.9, 33, 740, 02 , 11:40:03, 27-Jul-2018
15, 10.67, 29.8, 34, 740, 02 , 11:55:03, 27-Jul-2018
16, 10.38, 30.9, 32, 740, 02 , 12:10:03, 27-Jul-2018
17, 11.05, 32.2, 32, 740, 02 , 12:25:03, 27-Jul-2018
18, 11.47, 33.3, 30, 740, 02 , 12:40:03, 27-Jul-2018
19, 10.65, 35.2, 27, 740, 02 , 12:55:03, 27-Jul-2018
20, 12.18, 34.9, 26, 740, 02 , 13:10:03, 27-Jul-2018
21, 9.77, 33.9, 27, 740, 02 , 13:25:03, 27-Jul-2018
22, 9.97, 32.5, 30, 740, 02 , 13:40:03, 27-Jul-2018
23, 9.30, 31.7, 32, 740, 02 , 13:55:03, 27-Jul-2018
24, 9.17, 31.8, 32, 740, 02 , 14:10:03, 27-Jul-2018
25, 8.68, 31.3, 32, 740, 02 , 14:25:03, 27-Jul-2018
26, 8.68, 30.7, 33, 740, 02 , 14:40:03, 27-Jul-2018
27, 9.67, 30.7, 33, 740, 02 , 14:55:03, 27-Jul-2018
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29, 9.29, 31.9, 33, 740, 02 , 15:25:03, 27-Jul-2018
30, 9.51, 32.1, 32, 740, 02 , 15:40:03, 27-Jul-2018
31, 10.09, 32.6, 32, 740, 02 , 15:55:03, 27-Jul-2018
32, 11.48, 32.1, 32, 740, 02 , 16:10:03, 27-Jul-2018
33, 11.75, 30.3, 34, 740, 02 , 16:25:03, 27-Jul-2018
34, 13.62, 28.7, 38, 740, 02 , 16:40:03, 27-Jul-2018
35, 15.65, 27.9, 40, 740, 02 , 16:55:03, 27-Jul-2018

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"Errors   ", 0000
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"FlowRate   ", 1.200000
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    4,   9.47, 24.7,   63,   738, 00 , 09:10:03, 27-Jul-2018
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    6,   9.73, 25.7,   61,   738, 00 , 09:40:03, 27-Jul-2018
    7,   9.72, 25.6,   61,   738, 00 , 09:55:03, 27-Jul-2018
    8,   9.51, 25.6,   62,   738, 00 , 10:10:03, 27-Jul-2018
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   14,   12.17, 31.9,   41,   738, 00 , 11:40:03, 27-Jul-2018
   15,   12.01, 31.7,   42,   738, 00 , 11:55:03, 27-Jul-2018
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   32,   13.02, 32.6,   40,   738, 00 , 16:10:03, 27-Jul-2018
   33,   13.75, 31.7,   42,   738, 00 , 16:25:03, 27-Jul-2018
   34,   15.42, 30.6,   44,   738, 00 , 16:40:03, 27-Jul-2018
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"Errors   ", 0000
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2, 9.22, 23.3, 64, 736, 00 , 08:40:03, 27-Jul-2018
3, 9.26, 24.7, 60, 736, 00 , 08:55:03, 27-Jul-2018
4, 9.18, 25.2, 59, 736, 00 , 09:10:03, 27-Jul-2018
5, 9.02, 25.8, 58, 736, 00 , 09:25:03, 27-Jul-2018
6, 10.34, 26.4, 54, 736, 00 , 09:40:03, 27-Jul-2018
7, 9.86, 26.3, 54, 736, 00 , 09:55:03, 27-Jul-2018
8, 9.82, 26.6, 54, 736, 00 , 10:10:03, 27-Jul-2018
9, 10.17, 28.9, 47, 736, 00 , 10:25:03, 27-Jul-2018
10, 10.04, 31.8, 40, 736, 00 , 10:40:03, 27-Jul-2018
11, 11.04, 33.4, 36, 736, 00 , 10:55:03, 27-Jul-2018
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13, 11.04, 34.6, 33, 736, 00 , 11:25:03, 27-Jul-2018
14, 12.07, 32.4, 37, 736, 00 , 11:40:03, 27-Jul-2018
15, 11.41, 31.7, 38, 736, 00 , 11:55:03, 27-Jul-2018
16, 11.67, 32.4, 37, 736, 00 , 12:10:03, 27-Jul-2018
17, 12.64, 33.5, 36, 736, 00 , 12:25:03, 27-Jul-2018
18, 13.15, 34.7, 34, 736, 00 , 12:40:03, 27-Jul-2018
19, 12.68, 36.3, 31, 736, 00 , 12:55:03, 27-Jul-2018
20, 12.32, 36.8, 29, 736, 00 , 13:10:03, 27-Jul-2018
21, 11.18, 35.8, 31, 736, 00 , 13:25:03, 27-Jul-2018
22, 11.38, 34.5, 33, 736, 00 , 13:40:03, 27-Jul-2018
23, 10.61, 33.7, 34, 736, 00 , 13:55:03, 27-Jul-2018
24, 10.26, 34.6, 34, 736, 00 , 14:10:03, 27-Jul-2018
25, 9.73, 35.4, 33, 736, 00 , 14:25:03, 27-Jul-2018
26, 9.45, 35.3, 33, 736, 00 , 14:40:03, 27-Jul-2018
27, 10.28, 35.5, 33, 736, 00 , 14:55:03, 27-Jul-2018
28, 10.49, 36.1, 32, 736, 00 , 15:10:03, 27-Jul-2018
29, 10.49, 35.8, 32, 736, 00 , 15:25:03, 27-Jul-2018
30, 10.88, 35.1, 34, 736, 00 , 15:40:03, 27-Jul-2018
31, 12.47, 35.3, 33, 736, 00 , 15:55:03, 27-Jul-2018
32, 14.05, 34.5, 34, 736, 00 , 16:10:03, 27-Jul-2018
33, 13.31, 32.7, 37, 736, 00 , 16:25:03, 27-Jul-2018
34, 14.34, 31.2, 40, 736, 00 , 16:40:03, 27-Jul-2018
35, 16.46, 30.3, 43, 736, 00 , 16:55:03, 27-Jul-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 27-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 27-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 12	Unit 09 UW	Unit 10	Unit 21	Unit 20	Threshold	Trigger
2018-07-27 08:15:00	0.27	9.47		6.27	-1.56	150	100
2018-07-27 08:30:00	0.99	9.56		-1.21	-1.29	150	100
2018-07-27 08:45:00	1.9	9.61		-1.58	-1.42	150	100
2018-07-27 09:00:00	2.12	8.94		1.95	-0.27	150	100
2018-07-27 09:15:00	2.2	9.29		-1.84	-2.26	150	100
2018-07-27 09:30:00	1.39	8.64		-1.74	-1.26	150	100
2018-07-27 09:45:00	8.37	8.87		-1.54	-1.96	150	100
2018-07-27 10:00:00	2	8.41	0.41	0.95	1.12	150	100
2018-07-27 10:15:00	3.08	8.11	2.92	3.21	1.3	150	100
2018-07-27 10:30:00	3.71	8.72	1.85	2.31	3.39	150	100
2018-07-27 10:45:00	4	9.67	-0.29	-1	-1.89	150	100
2018-07-27 11:00:00	4.26	9.75	0.05	-0.59	-1.8	150	100
2018-07-27 11:15:00	8.27	10.91	0.11	7.32	-0.94	150	100
2018-07-27 11:30:00	-1.99	17.64	0.68	-5.72	-9.03	150	100
2018-07-27 11:45:00	4.39	10.12	0.04	-0.38	-2.29	150	100
2018-07-27 12:00:00	11.01	12.56	-1.76	12.77	0.34	150	100
2018-07-27 12:15:00	4.87	15.13	1.64	7.4	-3.19	150	100
2018-07-27 12:30:00	4.51	11.55		0.28	-2.16	150	100
2018-07-27 12:45:00	4.34	10.24		0.96	-1.59	150	100
2018-07-27 13:00:00	4.65	9.63		22.55	-2.36	150	100
2018-07-27 13:15:00	4.5	9.69		7.32	-1.26	150	100
2018-07-27 13:30:00	4.38	9.39		4.63	-2.6	150	100
2018-07-27 13:45:00	6.98	9.3		7.4	8.23	150	100
2018-07-27 14:00:00	4	9.32		1.87	8.26	150	100
2018-07-27 14:15:00	4.08	9.18		-0.62	-2.41	150	100
2018-07-27 14:30:00	3.87	8.96		-1.34	-1.85	150	100
2018-07-27 14:45:00	4.06	8.78		3.66	-2	150	100
2018-07-27 15:00:00	4.15	8.57		-0.31	-2.86	150	100
2018-07-27 15:15:00	4.94	11.07		-1.55	-4.04	150	100
2018-07-27 15:30:00	6.4	9.37		8.31	2.72	150	100
2018-07-27 15:45:00	4.29	9.71		28.11	-2.42	150	100
2018-07-27 16:00:00	4.75	10.34		0.33	-2.77	150	100
2018-07-27 16:15:00	4.99	11.4		40.14	24.63	150	100
2018-07-27 16:30:00	4.9	13.01		7.54	8.06	150	100

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"Errors   ", 0000
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6, 10.03, 21.3, 66, 738, 00 , 09:40:03, 27-Jul-2018
7, 17.24, 21.1, 67, 738, 00 , 09:55:03, 27-Jul-2018
8, 10.41, 21.6, 65, 740, 00 , 10:10:03, 27-Jul-2018
9, 11.19, 25.3, 54, 740, 00 , 10:25:03, 27-Jul-2018
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13, 19.18, 30.5, 39, 740, 00 , 11:25:03, 27-Jul-2018
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16, 23.57, 29.3, 43, 740, 00 , 12:10:03, 27-Jul-2018
17, 20.00, 30.3, 41, 740, 00 , 12:25:03, 27-Jul-2018
18, 16.06, 30.6, 41, 740, 00 , 12:40:03, 27-Jul-2018
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20, 14.28, 31.6, 37, 740, 00 , 13:10:03, 27-Jul-2018
21, 14.19, 31.0, 39, 740, 00 , 13:25:03, 27-Jul-2018
22, 13.77, 30.1, 40, 740, 00 , 13:40:03, 27-Jul-2018
23, 16.28, 29.4, 43, 740, 00 , 13:55:03, 27-Jul-2018
24, 13.32, 29.9, 44, 740, 00 , 14:10:03, 27-Jul-2018
25, 13.26, 30.3, 42, 740, 00 , 14:25:03, 27-Jul-2018
26, 12.83, 30.2, 43, 740, 00 , 14:40:03, 27-Jul-2018
27, 12.84, 30.1, 42, 740, 00 , 14:55:03, 27-Jul-2018
28, 12.72, 30.5, 42, 740, 00 , 15:10:03, 27-Jul-2018
29, 16.01, 30.9, 40, 740, 00 , 15:25:03, 27-Jul-2018
30, 15.77, 30.6, 41, 740, 00 , 15:40:03, 27-Jul-2018
31, 14.00, 30.8, 41, 740, 00 , 15:55:03, 27-Jul-2018
32, 15.09, 30.1, 41, 740, 00 , 16:10:03, 27-Jul-2018
33, 16.39, 28.5, 45, 738, 00 , 16:25:03, 27-Jul-2018
34, 17.91, 27.3, 48, 738, 00 , 16:40:03, 27-Jul-2018

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"Max Disp @ ", 11:28:42 27-Jul-2018
"Max STEL   ", 18.562384
"Max STEL @ ", 11:36:23 27-Jul-2018
"Avg point ", 10.144166
"ALARM   ", "INSTANT "
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8, 8.41, 26.1, 61, 736, 00 , 10:10:03, 27-Jul-2018
9, 8.11, 28.0, 60, 738, 00 , 10:25:03, 27-Jul-2018
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13, 10.91, 30.4, 45, 738, 00 , 11:25:03, 27-Jul-2018
14, 17.64, 29.6, 45, 738, 00 , 11:40:03, 27-Jul-2018
15, 10.12, 29.8, 47, 738, 00 , 11:55:03, 27-Jul-2018
16, 12.56, 30.3, 48, 738, 00 , 12:10:03, 27-Jul-2018
17, 15.13, 31.3, 46, 738, 00 , 12:25:03, 27-Jul-2018
18, 11.55, 32.1, 44, 738, 00 , 12:40:03, 27-Jul-2018
19, 10.24, 33.2, 43, 738, 00 , 12:55:03, 27-Jul-2018
20, 9.63, 33.4, 40, 738, 00 , 13:10:03, 27-Jul-2018
21, 9.69, 32.5, 40, 738, 00 , 13:25:03, 27-Jul-2018
22, 9.39, 31.6, 43, 738, 00 , 13:40:03, 27-Jul-2018
23, 9.30, 31.3, 44, 738, 00 , 13:55:03, 27-Jul-2018
24, 9.32, 31.1, 43, 736, 00 , 14:10:03, 27-Jul-2018
25, 9.18, 30.3, 45, 736, 00 , 14:25:03, 27-Jul-2018
26, 8.96, 29.8, 47, 736, 00 , 14:40:03, 27-Jul-2018
27, 8.78, 29.6, 47, 736, 00 , 14:55:03, 27-Jul-2018
28, 8.57, 30.5, 49, 736, 00 , 15:10:03, 27-Jul-2018
29, 11.07, 31.6, 47, 736, 00 , 15:25:03, 27-Jul-2018
30, 9.37, 31.8, 45, 736, 00 , 15:40:03, 27-Jul-2018
31, 9.71, 32.2, 44, 736, 00 , 15:55:03, 27-Jul-2018
32, 10.34, 32.0, 43, 736, 00 , 16:10:03, 27-Jul-2018
33, 11.40, 30.9, 44, 736, 00 , 16:25:03, 27-Jul-2018
34, 13.01, 29.8, 46, 736, 00 , 16:40:03, 27-Jul-2018

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"Max Disp @ ", 11:28:08 27-Jul-2018
"Max STEL   ", 18.518875
"Max STEL @ ", 11:30:54 27-Jul-2018
"Avg point ", 11.669352
"ALARM   ", "INSTANT "
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"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
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    3,   10.57, 29.1,   46,   738, 00 , 10:31:34, 27-Jul-2018
    4,   9.38, 31.4,   41,   738, 00 , 10:46:34, 27-Jul-2018
    5,   9.80, 32.9,   37,   738, 00 , 11:01:34, 27-Jul-2018
    6,   11.02, 34.1,   34,   738, 00 , 11:16:34, 27-Jul-2018
    7,   18.32, 32.6,   36,   738, 00 , 11:31:34, 27-Jul-2018
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"Max STEL @ ", 16:35:23 27-Jul-2018
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22, 6.79, 26.6, 43, 740, 00 , 13:40:03, 27-Jul-2018
23, 17.53, 26.5, 44, 740, 00 , 13:55:03, 27-Jul-2018
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26, 7.11, 28.3, 42, 738, 00 , 14:40:03, 27-Jul-2018
27, 6.78, 28.6, 40, 738, 00 , 14:55:03, 27-Jul-2018
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29, 7.03, 28.8, 39, 738, 00 , 15:25:03, 27-Jul-2018
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31, 7.29, 29.1, 38, 738, 00 , 15:55:03, 27-Jul-2018
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AILY OBSERVATION REPORT

Report No.:	50	Project File:	MN0832D	Date:	7/28/2018

Geosyntec consultants

engineers | scientists | innovators

Beech and Bonaparte engineering p.c.

an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Cody Saville

Site Representative: Ashwin Ranna

Arrive at Site: 0730hrs. Leave Site: 1800hrs.

Contractor: Recon

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Clear and Sunny	am	Clear and sunny	pm
Temperature:	64° F	am	~82° F	pm
Wind Direction:	6 W	am	12 W	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☒	No ☐	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 50 Project File: MN0832D Date: 7/28/2018

Materials Imported and Removed from Work Areas

As of 28 July 2018:

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 236

Weight: 22 tons/each Total Weight to date: ~5760 Tons

Non Haz Soil Removal:

Total Loads today: 0 Total Loads to date: 50

Weight: 20 tons/each Total Weight to date: ~1000Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 15

Weight: 0 Tons Total Weight to date: ~293 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: 0 Tons Total Weight to date: 132 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~210

Weight: ~22 Tons/each Total Weight to date: ~4601Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	50	Project File:	MN0832D	Date:	7/28/2018

Summary of Events

AM

- Geosyntec arrived on site at 0730. Attended Recon safety meeting. Recon planned to continue backfilling and compaction within the RPL. Geosyntec calibrated and deployed dust monitors. Geoprobe operators from Cascade were on site.
- Geosyntec held the safety tailgate meeting and planned the day's activities, including reviewing samples to be collected. Geosyntec continued sampling and labelling collected side slope samples and prepared to collect the geoprobe samples.
- ATL laboratory technician was on site to take readings on compaction of backfill. Material was backfilled between gas and electric lines and compaction was tested. Backfilling and compaction continued between areas to the south of the gas lines and between the electric and gas utility lines. Geotextile layer and demarcation fabric were placed on the finished excavation before backfilling.
- School contractor installed piles through the day. Work on drilling piles began at 0730. A dust monitor was deployed at the boundary Phase 1 and 2 and will be deployed in the RPL going forward.
- Recon sprayed water around the site multiple times during the day. Reuse material from the MSA was brought to the RPL and compacted. ATL technician continued testing compaction.
- Geoprobe was used to collect samples across the site. Samples were logged and packed on ice.

PM

- Geoprobe completed drilling samples by 1300. Sampling and logging continued till the end of the day. PCB samples collected were placed on ice and will be shipped Monday.
- Backfilling continued to end of day. Compaction testing continued till end of day as well.
- Second round of Non Haz trucks were loaded by 1400. School contractor continued drilling piles till 1500.
- Recon began shutting down the site and majority of the personnel left site at 1600.
- AR completed a SWPPP inspection and checked sumps and silt fences. Geosyntec continued to log and pack samples till 1800. Samples
- Geosyntec shut down site and left at 1800.

Report No.: 50 Project File: MN0832D Date: 7/28/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Patrick Carr
- Brian Kilkenny
- Scott Earley
- Rich Tonnucour
- (Recon labor) X17
- Geoprobe Operators (Cascade)X2

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: NA

ITEMS OF CONCERN:

One meter in the MSA recorded a trigger level reading of 100.05. Water was sprayed multiple times during the day to control dust on site. No other exceedances were recorded.

Report No.:	50	Project File:	MN0832D	Date:	7/28/2018

Site Representative: Ashwin Ranna

Date: 7/28/2018

Name (Signature):



Report No.: 50 Project File: MN0832D Date: 7/28/2018

Photo Log

Date : 7/28/2018



Compacting between utilities



Geoprobing to collect PCB samples



Dust control by spraying water



Backfilling to the south of the Sewer lines

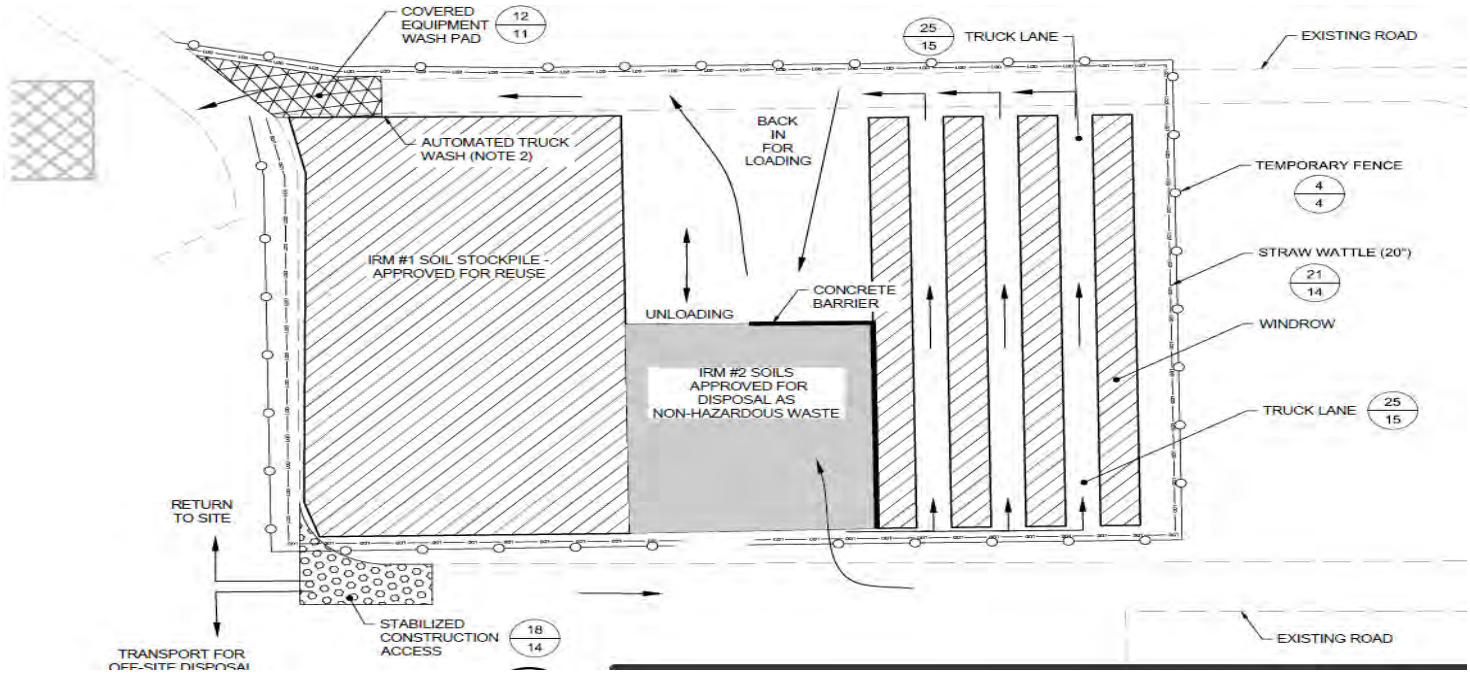
Report No.:	50	Project File:	MN0832D	Date:	7/28/2018

Site Map

Rear Parking Lot

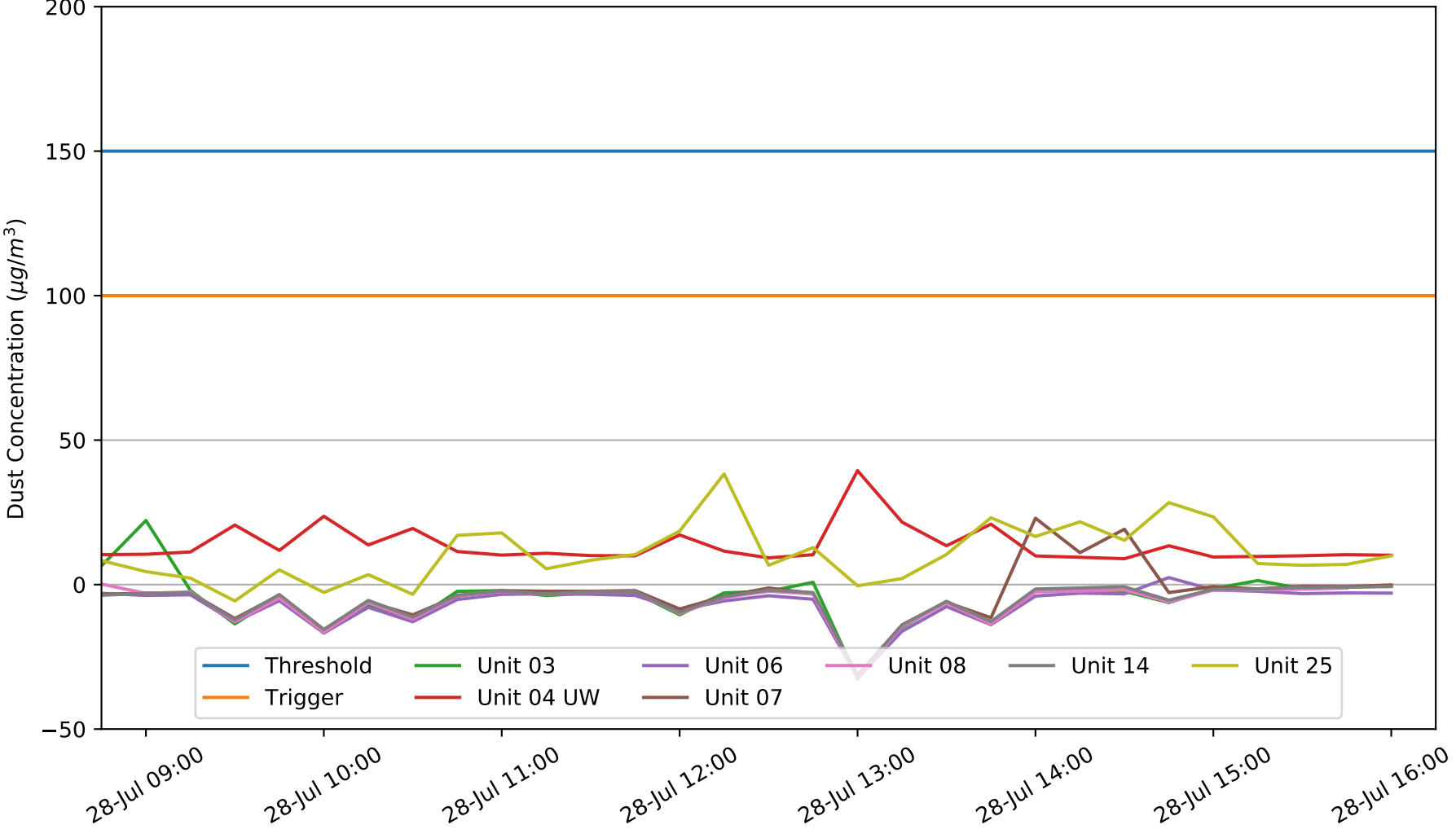


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 28-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 28-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 08	Unit 14	Unit 07	Unit 25	Unit 03	Unit 04 UW	Unit 06	Threshold	Trigger
2018-07-28 08:45:00	0.18	-3.7	-3.35	8.3	6.47	10.37	-3.03	150	100
2018-07-28 09:00:00	-3.04	-3.01	-2.96	4.49	22.19	10.49	-3.75	150	100
2018-07-28 09:15:00	-2.49	-2.91	-2.86	2.24	-2.02	11.29	-3.54	150	100
2018-07-28 09:30:00	-12.9	-12.23	-11.75	-5.67	-13.62	20.6	-12.9	150	100
2018-07-28 09:45:00	-4.59	-3.43	-3.63	5.1	-3.71	11.83	-5.59	150	100
2018-07-28 10:00:00	-16.48	-15.56	-15.6	-2.72	-16.69	23.65	-16.75	150	100
2018-07-28 10:15:00	-6.23	-5.47	-5.99	3.44	-7.26	13.73	-7.88	150	100
2018-07-28 10:30:00	-11.95	-11.23	-10.47	-3.39	-12.65	19.43	-12.86	150	100
2018-07-28 10:45:00	-3.84	-3.65	-3.99	17.04	-2.33	11.44	-5.17	150	100
2018-07-28 11:00:00	-2.4	-2.25	-2.11	17.9	-2.08	10.21	-3.37	150	100
2018-07-28 11:15:00	-3.34	-3.28	-2.29	5.48	-3.79	10.84	-3.22	150	100
2018-07-28 11:30:00	-2.53	-2.49	-2.3	8.42	-2.88	10.03	-3.34	150	100
2018-07-28 11:45:00	-2.43	-2.46	-2.06	10.41	-2.8	9.96	-3.77	150	100
2018-07-28 12:00:00	-9.96	-9.61	-8.44	18.5	-10.45	17.19	-8.79	150	100
2018-07-28 12:15:00	-4.47	-4.23	-4.07	38.29	-2.85	11.58	-5.66	150	100
2018-07-28 12:30:00	-2.28	-1.89	-1.17	6.68	-2.34	9.25	-3.86	150	100
2018-07-28 12:45:00	-3.26	-2.74	-3.06	12.81	0.79	10.33	-5.08	150	100
2018-07-28 13:00:00	-32.19	-31.33	-31.4	-0.42	-32.68	39.43	-32.17	150	100
2018-07-28 13:15:00	-14.47	-13.91	-14.14	2.08	-14.89	21.63	-16.17	150	100
2018-07-28 13:30:00	-6.33	-5.82	-6.13	10.44	-5.83	13.44	-7.6	150	100
2018-07-28 13:45:00	-13.64	-12.77	-11.46	23.14	-13.65	20.91	-13.88	150	100
2018-07-28 14:00:00	-2.54	-1.53	22.99	16.64	-2.08	9.91	-3.97	150	100
2018-07-28 14:15:00	-2.27	-1.15	11.04	21.74	-2.1	9.45	-2.95	150	100
2018-07-28 14:30:00	-1.8	-0.76	19.17	15.33	-2.34	8.96	-3.22	150	100
2018-07-28 14:45:00	-6.01	-5.39	-2.77	28.36	-6.22	13.44	2.43	150	100
2018-07-28 15:00:00	-1.91	-1.61	-0.69	23.43	-1.43	9.54	-1.86	150	100
2018-07-28 15:15:00	-1.8	-1.49	-1.5	7.28	1.4	9.74	-2.3	150	100
2018-07-28 15:30:00	-1.57	-1	-0.61	6.68	-1.43	9.98	-3.12	150	100
2018-07-28 15:45:00	-1.21	-0.88	-0.66	6.99	-0.93	10.36	-2.88	150	100
2018-07-28 16:00:00		-0.69	-0.13	9.94	-0.41	10.16	-2.95	150	100
2018-07-28 16:15:00								150	100

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12, 7.54, 30.9, 39, 738, 00 , 11:35:03, 28-Jul-2018
13, 7.50, 31.1, 38, 738, 00 , 11:50:03, 28-Jul-2018
14, 7.58, 31.5, 37, 738, 00 , 12:05:03, 28-Jul-2018
15, 7.35, 31.1, 37, 738, 00 , 12:20:03, 28-Jul-2018
16, 7.36, 32.0, 36, 738, 00 , 12:35:03, 28-Jul-2018
17, 7.59, 33.3, 32, 738, 00 , 12:50:03, 28-Jul-2018
18, 8.10, 34.3, 31, 738, 00 , 13:05:03, 28-Jul-2018
19, 7.72, 33.2, 31, 738, 00 , 13:20:03, 28-Jul-2018
20, 7.62, 33.0, 33, 738, 00 , 13:35:03, 28-Jul-2018
21, 8.14, 33.7, 32, 738, 00 , 13:50:03, 28-Jul-2018
22, 8.38, 34.3, 29, 738, 00 , 14:05:03, 28-Jul-2018
23, 8.30, 35.0, 28, 738, 00 , 14:20:03, 28-Jul-2018
24, 8.20, 34.2, 29, 738, 00 , 14:35:03, 28-Jul-2018
25, 8.05, 32.2, 31, 738, 00 , 14:50:03, 28-Jul-2018
26, 7.93, 30.8, 35, 738, 00 , 15:05:03, 28-Jul-2018
27, 8.25, 30.1, 37, 738, 00 , 15:20:03, 28-Jul-2018
28, 8.98, 30.4, 34, 738, 00 , 15:35:03, 28-Jul-2018
29, 9.48, 30.5, 34, 738, 00 , 15:50:03, 28-Jul-2018
30, 9.47, 31.2, 32, 738, 00 , 16:05:03, 28-Jul-2018

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"Avg point ", 10.225847
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"ALARM_LEVEL(mg) ", 0.100000
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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
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2, 7.53, 31.8, 42, 740, 00 , 09:05:03, 28-Jul-2018
3, 8.43, 35.6, 35, 740, 00 , 09:20:03, 28-Jul-2018
4, 8.85, 38.1, 29, 740, 00 , 09:35:03, 28-Jul-2018
5, 8.20, 38.3, 28, 740, 00 , 09:50:03, 28-Jul-2018
6, 8.05, 39.5, 25, 740, 00 , 10:05:03, 28-Jul-2018
7, 7.74, 39.4, 24, 740, 00 , 10:20:03, 28-Jul-2018
8, 8.96, 38.4, 25, 740, 00 , 10:35:03, 28-Jul-2018
9, 7.45, 36.5, 27, 740, 00 , 10:50:03, 28-Jul-2018
10, 8.10, 35.5, 29, 740, 00 , 11:05:03, 28-Jul-2018
11, 8.55, 34.6, 31, 740, 00 , 11:20:03, 28-Jul-2018
12, 7.73, 34.2, 32, 740, 00 , 11:35:03, 28-Jul-2018
13, 7.90, 34.7, 31, 740, 00 , 11:50:03, 28-Jul-2018
14, 8.75, 34.9, 30, 740, 00 , 12:05:03, 28-Jul-2018
15, 7.51, 34.3, 30, 740, 00 , 12:20:03, 28-Jul-2018
16, 8.08, 35.1, 29, 740, 00 , 12:35:03, 28-Jul-2018
17, 7.27, 35.8, 27, 740, 00 , 12:50:03, 28-Jul-2018
18, 8.03, 36.2, 27, 740, 00 , 13:05:03, 28-Jul-2018
19, 7.49, 35.3, 28, 740, 00 , 13:20:03, 28-Jul-2018
20, 7.31, 35.2, 29, 740, 00 , 13:35:03, 28-Jul-2018
21, 9.45, 35.5, 28, 740, 00 , 13:50:03, 28-Jul-2018
22, 32.90, 35.4, 27, 740, 00 , 14:05:03, 28-Jul-2018
23, 20.49, 35.0, 28, 740, 00 , 14:20:03, 28-Jul-2018
24, 28.13, 34.7, 29, 740, 00 , 14:35:03, 28-Jul-2018
25, 10.67, 33.4, 31, 740, 00 , 14:50:03, 28-Jul-2018
26, 8.85, 32.2, 33, 740, 00 , 15:05:03, 28-Jul-2018
27, 8.24, 32.0, 33, 740, 00 , 15:20:03, 28-Jul-2018
28, 9.37, 33.1, 30, 740, 00 , 15:35:03, 28-Jul-2018
29, 9.70, 34.2, 27, 740, 00 , 15:50:03, 28-Jul-2018
30, 10.03, 34.9, 26, 740, 00 , 16:05:03, 28-Jul-2018

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"Max STEL   ", 62.264123
"Max STEL @ ", 12:14:12 28-Jul-2018
"Avg point ", 24.029450
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"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 18.67, 19.9, 59, 740, 00 , 08:48:22, 28-Jul-2018
2, 14.98, 21.9, 55, 740, 00 , 09:03:22, 28-Jul-2018
3, 13.53, 23.3, 49, 740, 00 , 09:18:22, 28-Jul-2018
4, 14.93, 24.6, 45, 740, 00 , 09:33:22, 28-Jul-2018
5, 16.93, 25.5, 42, 740, 00 , 09:48:22, 28-Jul-2018
6, 20.93, 26.6, 37, 740, 00 , 10:03:22, 28-Jul-2018
7, 17.17, 27.5, 33, 740, 00 , 10:18:22, 28-Jul-2018
8, 16.04, 28.0, 32, 740, 00 , 10:33:22, 28-Jul-2018
9, 28.48, 27.5, 31, 740, 00 , 10:48:22, 28-Jul-2018
10, 28.11, 27.4, 32, 740, 00 , 11:03:22, 28-Jul-2018
11, 16.32, 27.4, 33, 740, 00 , 11:18:22, 28-Jul-2018
12, 18.45, 27.5, 32, 740, 00 , 11:33:22, 28-Jul-2018
13, 20.37, 27.8, 31, 740, 00 , 11:48:22, 28-Jul-2018
14, 35.69, 28.2, 30, 740, 00 , 12:03:22, 28-Jul-2018
15, 49.87, 28.5, 29, 740, 00 , 12:18:22, 28-Jul-2018
16, 15.93, 30.5, 26, 740, 00 , 12:33:22, 28-Jul-2018
17, 23.14, 32.5, 21, 740, 00 , 12:48:22, 28-Jul-2018
18, 39.01, 33.7, 19, 740, 00 , 13:03:22, 28-Jul-2018
19, 23.71, 33.4, 19, 740, 00 , 13:18:22, 28-Jul-2018
20, 23.88, 34.3, 18, 740, 00 , 13:33:22, 28-Jul-2018
21, 44.05, 38.1, 14, 740, 00 , 13:48:22, 28-Jul-2018
22, 26.55, 40.4, 9, 740, 00 , 14:03:22, 28-Jul-2018
23, 31.19, 40.2, 9, 740, 00 , 14:18:22, 28-Jul-2018
24, 24.29, 39.4, 10, 740, 00 , 14:33:22, 28-Jul-2018
25, 41.80, 37.2, 12, 740, 00 , 14:48:22, 28-Jul-2018
26, 32.97, 34.4, 15, 740, 00 , 15:03:22, 28-Jul-2018
27, 17.02, 32.2, 18, 740, 00 , 15:18:22, 28-Jul-2018
28, 16.66, 32.8, 17, 740, 00 , 15:33:22, 28-Jul-2018
29, 17.35, 33.5, 15, 740, 00 , 15:48:22, 28-Jul-2018
30, 20.10, 33.1, 15, 738, 00 , 16:03:22, 28-Jul-2018
31, 16.80, 32.9, 14, 738, 00 , 16:18:22, 28-Jul-2018

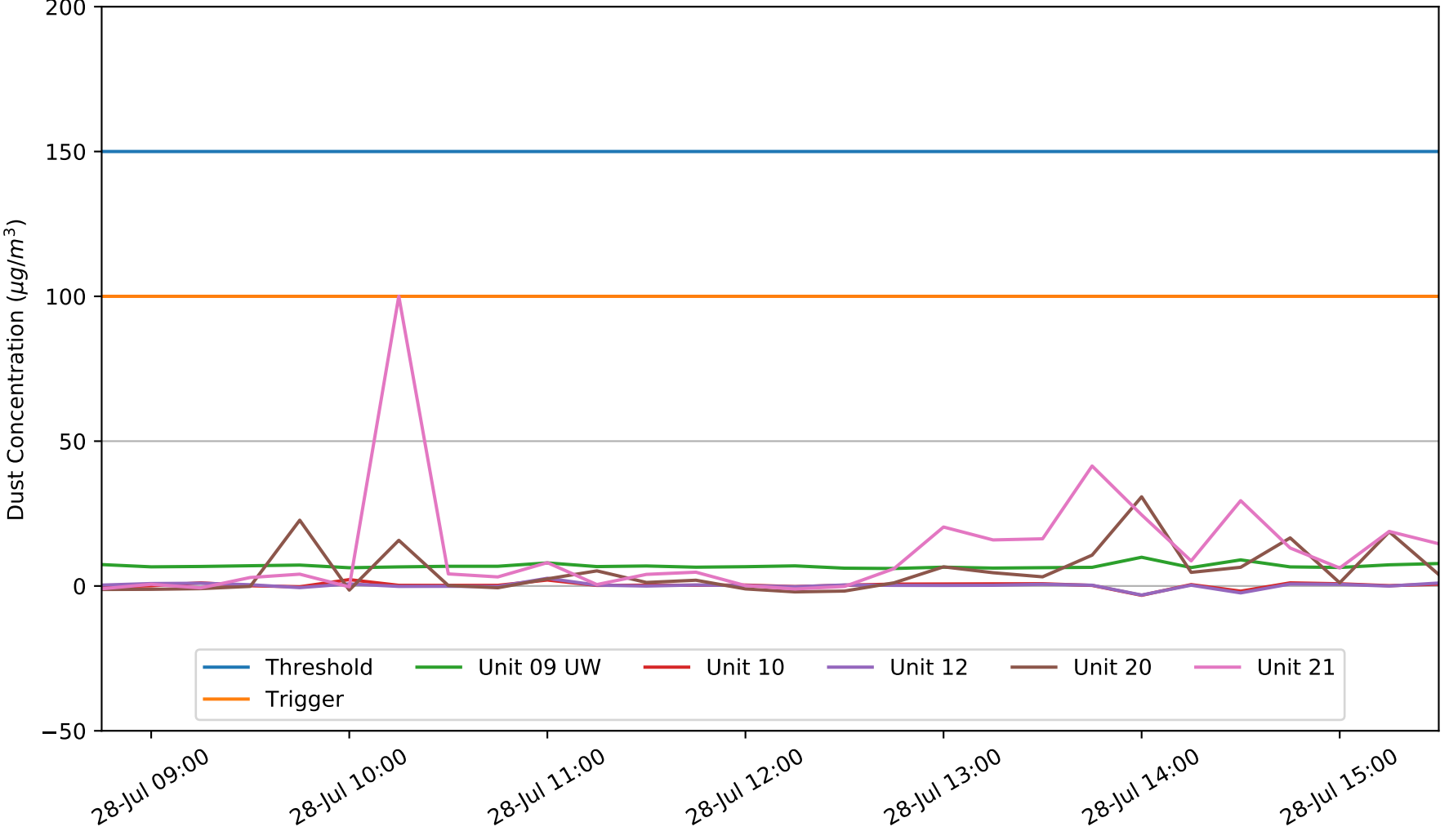
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"Max STEL @ ", 08:58:53 28-Jul-2018
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2, 32.68, 21.5, 75, 740, 00 , 09:05:03, 28-Jul-2018
3, 9.27, 21.8, 75, 740, 00 , 09:20:03, 28-Jul-2018
4, 6.98, 22.2, 74, 740, 00 , 09:35:03, 28-Jul-2018
5, 8.12, 22.7, 72, 740, 00 , 09:50:03, 28-Jul-2018
6, 6.96, 23.3, 67, 740, 00 , 10:05:03, 28-Jul-2018
7, 6.47, 24.2, 65, 740, 00 , 10:20:03, 28-Jul-2018
8, 6.78, 25.1, 62, 740, 00 , 10:35:03, 28-Jul-2018
9, 9.11, 25.6, 54, 740, 00 , 10:50:03, 28-Jul-2018
10, 8.13, 26.3, 54, 740, 00 , 11:05:03, 28-Jul-2018
11, 7.05, 27.0, 56, 740, 00 , 11:20:03, 28-Jul-2018
12, 7.15, 28.1, 52, 740, 00 , 11:35:03, 28-Jul-2018
13, 7.16, 29.0, 49, 740, 00 , 11:50:03, 28-Jul-2018
14, 6.74, 30.1, 47, 740, 00 , 12:05:03, 28-Jul-2018
15, 8.73, 30.5, 44, 740, 00 , 12:20:03, 28-Jul-2018
16, 6.91, 32.1, 42, 740, 00 , 12:35:03, 28-Jul-2018
17, 11.12, 33.6, 35, 740, 00 , 12:50:03, 28-Jul-2018
18, 6.75, 34.7, 34, 738, 00 , 13:05:03, 28-Jul-2018
19, 6.74, 34.5, 33, 740, 00 , 13:20:03, 28-Jul-2018
20, 7.61, 34.2, 34, 738, 00 , 13:35:03, 28-Jul-2018
21, 7.26, 35.2, 34, 738, 00 , 13:50:03, 28-Jul-2018
22, 7.83, 36.3, 30, 738, 00 , 14:05:03, 28-Jul-2018
23, 7.35, 37.4, 30, 738, 00 , 14:20:03, 28-Jul-2018
24, 6.62, 38.4, 28, 738, 00 , 14:35:03, 28-Jul-2018
25, 7.22, 37.7, 28, 738, 00 , 14:50:03, 28-Jul-2018
26, 8.11, 36.7, 29, 738, 00 , 15:05:03, 28-Jul-2018
27, 11.14, 36.0, 29, 738, 00 , 15:20:03, 28-Jul-2018
28, 8.55, 37.4, 28, 738, 00 , 15:35:03, 28-Jul-2018
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30, 9.75, 39.7, 23, 738, 00 , 16:05:03, 28-Jul-2018

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"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 171.194496
"Max Disp @ ", 10:02:31 28-Jul-2018
"Max STEL   ", 43.916340
"Max STEL @ ", 13:08:43 28-Jul-2018
"Avg point ", 13.638885
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 10.37, 24.8, 63, 740, 01 , 08:50:03, 28-Jul-2018
2, 10.49, 27.3, 55, 740, 01 , 09:05:03, 28-Jul-2018
3, 11.29, 29.3, 50, 740, 01 , 09:20:03, 28-Jul-2018
4, 20.60, 31.1, 44, 740, 01 , 09:35:03, 28-Jul-2018
5, 11.83, 31.9, 41, 740, 01 , 09:50:03, 28-Jul-2018
6, 23.65, 32.9, 37, 740, 01 , 10:05:03, 28-Jul-2018
7, 13.73, 33.6, 35, 740, 01 , 10:20:03, 28-Jul-2018
8, 19.43, 33.0, 35, 740, 01 , 10:35:03, 28-Jul-2018
9, 11.44, 31.4, 37, 740, 01 , 10:50:03, 28-Jul-2018
10, 10.21, 30.9, 39, 740, 01 , 11:05:03, 28-Jul-2018
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13, 9.96, 31.8, 38, 740, 01 , 11:50:03, 28-Jul-2018
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18, 39.43, 34.1, 31, 740, 01 , 13:05:03, 28-Jul-2018
19, 21.63, 33.2, 33, 740, 01 , 13:20:03, 28-Jul-2018
20, 13.44, 32.8, 34, 740, 01 , 13:35:03, 28-Jul-2018
21, 20.91, 33.3, 33, 740, 01 , 13:50:03, 28-Jul-2018
22, 9.91, 33.7, 30, 740, 01 , 14:05:03, 28-Jul-2018
23, 9.45, 34.9, 29, 740, 01 , 14:20:03, 28-Jul-2018
24, 8.96, 35.7, 27, 740, 01 , 14:35:03, 28-Jul-2018
25, 13.44, 35.4, 27, 740, 01 , 14:50:03, 28-Jul-2018
26, 9.54, 34.8, 29, 740, 01 , 15:05:03, 28-Jul-2018
27, 9.74, 34.7, 29, 740, 01 , 15:20:03, 28-Jul-2018
28, 9.98, 35.8, 26, 740, 01 , 15:35:03, 28-Jul-2018
29, 10.36, 36.7, 25, 740, 01 , 15:50:03, 28-Jul-2018
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"RH CORRECT ", "ENABLED "
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"Max STEL ", 16.506093
"Max STEL @ ", 14:54:33 28-Jul-2018
"Avg point ", 6.999595
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
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"Site Name ", "Factory default"
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1, 7.34, 21.5, 57, 740, 01 , 08:50:03, 28-Jul-2018
2, 6.74, 26.5, 44, 740, 02 , 09:05:03, 28-Jul-2018
3, 7.75, 30.2, 35, 740, 02 , 09:20:03, 28-Jul-2018
4, 7.70, 32.6, 31, 740, 02 , 09:35:03, 28-Jul-2018
5, 6.24, 33.8, 28, 742, 02 , 09:50:03, 28-Jul-2018
6, 6.90, 35.1, 25, 742, 02 , 10:05:03, 28-Jul-2018
7, 5.85, 36.0, 23, 742, 02 , 10:20:03, 28-Jul-2018
8, 6.57, 35.6, 23, 742, 02 , 10:35:03, 28-Jul-2018
9, 6.27, 33.5, 24, 740, 02 , 10:50:03, 28-Jul-2018
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11, 7.62, 31.3, 28, 742, 02 , 11:20:03, 28-Jul-2018
12, 6.69, 31.1, 28, 740, 02 , 11:35:03, 28-Jul-2018
13, 6.19, 31.5, 28, 740, 02 , 11:50:03, 28-Jul-2018
14, 8.40, 32.2, 27, 740, 02 , 12:05:03, 28-Jul-2018
15, 5.92, 31.7, 26, 740, 02 , 12:20:03, 28-Jul-2018
16, 5.39, 33.2, 24, 740, 02 , 12:35:03, 28-Jul-2018
17, 5.25, 34.7, 21, 740, 02 , 12:50:03, 28-Jul-2018
18, 7.26, 35.3, 21, 740, 02 , 13:05:03, 28-Jul-2018
19, 5.46, 33.9, 22, 740, 02 , 13:20:03, 28-Jul-2018
20, 5.84, 33.1, 24, 740, 02 , 13:35:03, 28-Jul-2018
21, 7.03, 33.6, 23, 740, 02 , 13:50:03, 28-Jul-2018
22, 5.94, 33.7, 21, 740, 02 , 14:05:03, 28-Jul-2018
23, 6.50, 33.8, 22, 740, 02 , 14:20:03, 28-Jul-2018
24, 5.74, 33.8, 22, 740, 02 , 14:35:03, 28-Jul-2018
25, 15.87, 33.0, 22, 740, 02 , 14:50:03, 28-Jul-2018
26, 7.68, 32.0, 25, 740, 02 , 15:05:03, 28-Jul-2018
27, 7.44, 31.6, 25, 740, 02 , 15:20:03, 28-Jul-2018
28, 6.86, 32.4, 23, 740, 02 , 15:35:03, 28-Jul-2018
29, 7.48, 33.3, 21, 740, 02 , 15:50:03, 28-Jul-2018
30, 7.21, 33.9, 19, 740, 02 , 16:05:03, 28-Jul-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 28-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 28-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 12	Unit 10	Unit 20	Unit 21	Unit 09 UW	Threshold	Trigger
2018-07-28 08:45:00	0.31	-0.25	-1.21	-0.97	7.39	150	100
2018-07-28 09:00:00	0.84	0.06	-1.15	0.59	6.61	150	100
2018-07-28 09:15:00	0.95	1.09	-0.92	-0.67	6.74	150	100
2018-07-28 09:30:00	0.44	0.07	-0.14	2.93	6.99	150	100
2018-07-28 09:45:00	-0.57	-0.27	22.72	4.08	7.22	150	100
2018-07-28 10:00:00	0.72	2.2	-1.43	-0.3	6.3	150	100
2018-07-28 10:15:00	-0.15	0.23	15.78	100.05	6.59	150	100
2018-07-28 10:30:00	-0.11	0.21	0.16	4.17	6.8	150	100
2018-07-28 10:45:00	-0.18	0.22	-0.62	3.13	6.81	150	100
2018-07-28 11:00:00	2.66	2.06	2.46	8.06	7.97	150	100
2018-07-28 11:15:00	0.3	0.2	5.22	0.49	6.7	150	100
2018-07-28 11:30:00	-0.02	0.28	1.22	4.01	6.91	150	100
2018-07-28 11:45:00	0.35	0.27	1.99	4.76	6.49	150	100
2018-07-28 12:00:00	0.12	0.32	-1.01	0.14	6.66	150	100
2018-07-28 12:15:00	-0.27	-0.22	-2.04	-1.03	6.95	150	100
2018-07-28 12:30:00	0.35	0.27	-1.75	-0.17	6.15	150	100
2018-07-28 12:45:00	0.21	0.65	1.09	5.98	6.04	150	100
2018-07-28 13:00:00	0.19	0.69	6.61	20.36	6.5	150	100
2018-07-28 13:15:00	0.24	0.74	4.58	15.9	6.18	150	100
2018-07-28 13:30:00	0.59	0.78	3.16	16.29	6.32	150	100
2018-07-28 13:45:00	0.27	0.2	10.65	41.43	6.44	150	100
2018-07-28 14:00:00	-3.12	-3.22	30.8	24.56	9.92	150	100
2018-07-28 14:15:00	0.27	0.48	4.7	8.66	6.36	150	100
2018-07-28 14:30:00	-2.39	-1.79	6.46	29.46	9.01	150	100
2018-07-28 14:45:00	0.69	1.08	16.61	13.11	6.59	150	100
2018-07-28 15:00:00	0.56	0.76	1.1	6.21	6.39	150	100
2018-07-28 15:15:00	-0.03	0.11	18.72	18.84	7.31	150	100
2018-07-28 15:30:00	1.02	0.63	3.96	14.58	7.75	150	100

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 11:00:06 28-Jul-2018
"Max STEL ", 10.730426
"Max STEL @ ", 11:06:13 28-Jul-2018
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"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
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1, 7.70, 23.9, 57, 740, 01 , 08:50:03, 28-Jul-2018
2, 7.45, 27.6, 46, 740, 00 , 09:05:03, 28-Jul-2018
3, 7.69, 30.2, 42, 740, 00 , 09:20:03, 28-Jul-2018
4, 7.43, 32.1, 38, 740, 00 , 09:35:03, 28-Jul-2018
5, 6.65, 33.1, 36, 740, 00 , 09:50:03, 28-Jul-2018
6, 7.02, 33.6, 34, 740, 00 , 10:05:03, 28-Jul-2018
7, 6.44, 33.4, 32, 740, 00 , 10:20:03, 28-Jul-2018
8, 6.69, 32.8, 32, 740, 00 , 10:35:03, 28-Jul-2018
9, 6.63, 31.1, 34, 740, 00 , 10:50:03, 28-Jul-2018
10, 10.63, 30.4, 36, 740, 00 , 11:05:03, 28-Jul-2018
11, 7.00, 30.5, 37, 740, 00 , 11:20:03, 28-Jul-2018
12, 6.89, 30.4, 37, 740, 00 , 11:35:03, 28-Jul-2018
13, 6.84, 30.7, 37, 740, 00 , 11:50:03, 28-Jul-2018
14, 6.78, 31.4, 35, 740, 00 , 12:05:03, 28-Jul-2018
15, 6.68, 30.5, 35, 740, 00 , 12:20:03, 28-Jul-2018
16, 6.50, 31.2, 35, 740, 00 , 12:35:03, 28-Jul-2018
17, 6.25, 32.0, 32, 740, 00 , 12:50:03, 28-Jul-2018
18, 6.69, 31.9, 34, 740, 00 , 13:05:03, 28-Jul-2018
19, 6.42, 31.4, 33, 740, 00 , 13:20:03, 28-Jul-2018
20, 6.91, 30.3, 35, 740, 00 , 13:35:03, 28-Jul-2018
21, 6.71, 30.1, 36, 740, 00 , 13:50:03, 28-Jul-2018
22, 6.80, 30.3, 34, 740, 00 , 14:05:03, 28-Jul-2018
23, 6.63, 30.7, 34, 740, 00 , 14:20:03, 28-Jul-2018
24, 6.62, 31.4, 32, 740, 00 , 14:35:03, 28-Jul-2018
25, 7.28, 31.2, 33, 740, 00 , 14:50:03, 28-Jul-2018
26, 6.95, 30.2, 34, 740, 00 , 15:05:03, 28-Jul-2018
27, 7.28, 29.7, 35, 740, 00 , 15:20:03, 28-Jul-2018
28, 8.77, 30.4, 32, 740, 00 , 15:35:03, 28-Jul-2018

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"Log Period ", 00:15:00
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"CalFactor ", 1.000000
"Unit ", 0
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"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 49.033437
"Max Disp @ ", 11:00:03 28-Jul-2018
"Max STEL ", 10.258400
"Max STEL @ ", 11:00:53 28-Jul-2018
"Avg point ", 7.211867
"ALARM ", "STEL "
"ALARM_LEVEL(mg) ", 10.000000
"Errors ", 0000
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"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 7.14, 26.8, 51, 738, 01 , 08:50:03, 28-Jul-2018
2, 6.67, 30.6, 41, 738, 00 , 09:05:03, 28-Jul-2018
3, 7.83, 33.5, 36, 738, 00 , 09:20:03, 28-Jul-2018
4, 7.06, 35.7, 31, 738, 00 , 09:35:03, 28-Jul-2018
5, 6.95, 36.5, 30, 738, 00 , 09:50:03, 28-Jul-2018
6, 8.50, 36.8, 28, 738, 00 , 10:05:03, 28-Jul-2018
7, 6.82, 36.9, 26, 738, 00 , 10:20:03, 28-Jul-2018
8, 7.01, 36.4, 27, 738, 00 , 10:35:03, 28-Jul-2018
9, 7.03, 34.6, 28, 738, 00 , 10:50:03, 28-Jul-2018
10, 10.03, 33.6, 30, 738, 00 , 11:05:03, 28-Jul-2018
11, 6.90, 33.6, 31, 738, 00 , 11:20:03, 28-Jul-2018
12, 7.19, 33.9, 30, 738, 00 , 11:35:03, 28-Jul-2018
13, 6.76, 34.1, 30, 738, 00 , 11:50:03, 28-Jul-2018
14, 6.98, 34.7, 29, 738, 00 , 12:05:03, 28-Jul-2018
15, 6.73, 33.8, 29, 738, 00 , 12:20:03, 28-Jul-2018
16, 6.42, 34.4, 28, 738, 00 , 12:35:03, 28-Jul-2018
17, 6.69, 35.2, 26, 738, 00 , 12:50:03, 28-Jul-2018
18, 7.19, 35.3, 27, 738, 00 , 13:05:03, 28-Jul-2018
19, 6.92, 34.7, 27, 738, 00 , 13:20:03, 28-Jul-2018
20, 7.10, 33.5, 29, 738, 00 , 13:35:03, 28-Jul-2018
21, 6.64, 33.5, 30, 738, 00 , 13:50:03, 28-Jul-2018
22, 6.70, 33.8, 27, 738, 00 , 14:05:03, 28-Jul-2018
23, 6.84, 34.3, 27, 738, 00 , 14:20:03, 28-Jul-2018
24, 7.22, 35.2, 25, 738, 00 , 14:35:03, 28-Jul-2018
25, 7.67, 35.0, 25, 738, 00 , 14:50:03, 28-Jul-2018
26, 7.15, 34.2, 27, 738, 00 , 15:05:03, 28-Jul-2018
27, 7.42, 33.6, 27, 738, 00 , 15:20:03, 28-Jul-2018
28, 8.38, 34.3, 25, 738, 00 , 15:35:03, 28-Jul-2018

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"Serial no. ", "0115249190"
"Tag Number ", 24
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"Start Date ", 28-Jul-2018
"Log Period ", 00:15:00
"Number ", 28
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 343.654871
"Max Disp @ ", 09:37:58 28-Jul-2018
"Max STEL ", 43.966742
"Max STEL @ ", 13:59:53 28-Jul-2018
"Avg point ", 12.208040
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 6.18, 19.2, 67, 740, 01 , 08:50:03, 28-Jul-2018
2, 5.46, 19.4, 67, 740, 00 , 09:05:03, 28-Jul-2018
3, 5.82, 19.7, 68, 740, 00 , 09:20:03, 28-Jul-2018
4, 6.85, 20.3, 66, 740, 00 , 09:35:03, 28-Jul-2018
5, 29.94, 20.8, 62, 740, 00 , 09:50:03, 28-Jul-2018
6, 4.87, 21.3, 61, 740, 00 , 10:05:03, 28-Jul-2018
7, 22.37, 21.8, 55, 740, 00 , 10:20:03, 28-Jul-2018
8, 6.96, 22.3, 52, 740, 00 , 10:35:03, 28-Jul-2018
9, 6.19, 22.7, 48, 740, 00 , 10:50:03, 28-Jul-2018
10, 10.43, 22.9, 48, 740, 00 , 11:05:03, 28-Jul-2018
11, 11.92, 23.4, 49, 740, 00 , 11:20:03, 28-Jul-2018
12, 8.13, 23.7, 47, 740, 00 , 11:35:03, 28-Jul-2018
13, 8.48, 23.9, 46, 740, 00 , 11:50:03, 28-Jul-2018
14, 5.65, 24.3, 45, 740, 00 , 12:05:03, 28-Jul-2018
15, 4.91, 24.5, 42, 740, 00 , 12:20:03, 28-Jul-2018
16, 4.40, 24.8, 41, 740, 00 , 12:35:03, 28-Jul-2018
17, 7.13, 25.3, 38, 740, 00 , 12:50:03, 28-Jul-2018
18, 13.11, 26.0, 39, 740, 00 , 13:05:03, 28-Jul-2018
19, 10.76, 26.4, 37, 740, 00 , 13:20:03, 28-Jul-2018
20, 9.48, 26.4, 36, 740, 00 , 13:35:03, 28-Jul-2018
21, 17.09, 26.6, 36, 740, 00 , 13:50:03, 28-Jul-2018
22, 40.72, 27.0, 34, 740, 00 , 14:05:03, 28-Jul-2018
23, 11.06, 27.3, 33, 740, 00 , 14:20:03, 28-Jul-2018
24, 15.47, 27.8, 32, 740, 00 , 14:35:03, 28-Jul-2018
25, 23.20, 28.0, 32, 740, 00 , 14:50:03, 28-Jul-2018
26, 7.49, 27.9, 32, 740, 00 , 15:05:03, 28-Jul-2018
27, 26.03, 28.0, 31, 740, 00 , 15:20:03, 28-Jul-2018
28, 11.71, 28.1, 29, 740, 00 , 15:35:03, 28-Jul-2018

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"Number ", 28
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"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 1419.015503
"Max Disp @ ", 10:07:14 28-Jul-2018
"Max STEL ", 106.749189
"Max STEL @ ", 10:16:13 28-Jul-2018
"Avg point ", 19.241411
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 6.42, 19.3, 69, 740, 00 , 08:50:03, 28-Jul-2018
2, 7.20, 19.6, 69, 740, 00 , 09:05:03, 28-Jul-2018
3, 6.07, 20.3, 68, 740, 00 , 09:20:03, 28-Jul-2018
4, 9.92, 22.0, 62, 740, 00 , 09:35:03, 28-Jul-2018
5, 11.30, 23.4, 57, 740, 00 , 09:50:03, 28-Jul-2018
6, 6.00, 25.1, 51, 740, 00 , 10:05:03, 28-Jul-2018
7, 106.64, 26.0, 44, 740, 00 , 10:20:03, 28-Jul-2018
8, 10.97, 25.6, 44, 740, 00 , 10:35:03, 28-Jul-2018
9, 9.94, 24.9, 44, 740, 00 , 10:50:03, 28-Jul-2018
10, 16.03, 24.6, 46, 740, 00 , 11:05:03, 28-Jul-2018
11, 7.19, 24.7, 47, 740, 00 , 11:20:03, 28-Jul-2018
12, 10.92, 25.1, 46, 740, 00 , 11:35:03, 28-Jul-2018
13, 11.25, 25.3, 45, 740, 00 , 11:50:03, 28-Jul-2018
14, 6.80, 25.9, 42, 740, 00 , 12:05:03, 28-Jul-2018
15, 5.92, 25.9, 40, 740, 00 , 12:20:03, 28-Jul-2018
16, 5.98, 26.5, 39, 740, 00 , 12:35:03, 28-Jul-2018
17, 12.02, 27.6, 35, 740, 00 , 12:50:03, 28-Jul-2018
18, 26.86, 28.6, 35, 740, 00 , 13:05:03, 28-Jul-2018
19, 22.08, 28.7, 34, 740, 00 , 13:20:03, 28-Jul-2018
20, 22.61, 28.2, 35, 740, 00 , 13:35:03, 28-Jul-2018
21, 47.87, 28.7, 34, 740, 00 , 13:50:03, 28-Jul-2018
22, 34.48, 29.1, 31, 740, 00 , 14:05:03, 28-Jul-2018
23, 15.02, 29.3, 31, 740, 00 , 14:20:03, 28-Jul-2018
24, 38.47, 30.2, 29, 740, 00 , 14:35:03, 28-Jul-2018
25, 19.70, 30.1, 29, 740, 00 , 14:50:03, 28-Jul-2018
26, 12.60, 29.2, 31, 740, 00 , 15:05:03, 28-Jul-2018
27, 26.15, 28.6, 31, 740, 00 , 15:20:03, 28-Jul-2018
28, 22.33, 29.4, 29, 740, 00 , 15:35:03, 28-Jul-2018

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"Serial no. ", "0115248912"
"Tag Number ", 42
"Start Time ", 08:35:03
"Start Date ", 28-Jul-2018
"Log Period ", 00:15:00
"Number ", 28
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 28.535542
"Max Disp @ ", 13:56:40 28-Jul-2018
"Max STEL ", 10.331187
"Max STEL @ ", 14:05:53 28-Jul-2018
"Avg point ", 6.931919
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 7.39, 23.2, 61, 738, 00 , 08:50:03, 28-Jul-2018
2, 6.61, 24.5, 61, 738, 00 , 09:05:03, 28-Jul-2018
3, 6.74, 25.5, 59, 738, 00 , 09:20:03, 28-Jul-2018
4, 6.99, 26.8, 57, 738, 00 , 09:35:03, 28-Jul-2018
5, 7.22, 27.5, 55, 738, 00 , 09:50:03, 28-Jul-2018
6, 6.30, 28.9, 53, 738, 00 , 10:05:03, 28-Jul-2018
7, 6.59, 29.4, 45, 738, 00 , 10:20:03, 28-Jul-2018
8, 6.80, 29.2, 43, 738, 00 , 10:35:03, 28-Jul-2018
9, 6.81, 28.6, 45, 738, 00 , 10:50:03, 28-Jul-2018
10, 7.97, 28.3, 47, 738, 00 , 11:05:03, 28-Jul-2018
11, 6.70, 28.6, 48, 738, 00 , 11:20:03, 28-Jul-2018
12, 6.91, 28.9, 43, 738, 00 , 11:35:03, 28-Jul-2018
13, 6.49, 29.1, 43, 738, 00 , 11:50:03, 28-Jul-2018
14, 6.66, 29.4, 41, 738, 00 , 12:05:03, 28-Jul-2018
15, 6.95, 29.1, 41, 738, 00 , 12:20:03, 28-Jul-2018
16, 6.15, 29.9, 41, 738, 00 , 12:35:03, 28-Jul-2018
17, 6.04, 30.8, 37, 738, 00 , 12:50:03, 28-Jul-2018
18, 6.50, 31.3, 37, 738, 00 , 13:05:03, 28-Jul-2018
19, 6.18, 31.0, 36, 738, 00 , 13:20:03, 28-Jul-2018
20, 6.32, 30.4, 38, 738, 00 , 13:35:03, 28-Jul-2018
21, 6.44, 30.7, 38, 738, 00 , 13:50:03, 28-Jul-2018
22, 9.92, 30.7, 36, 738, 00 , 14:05:03, 28-Jul-2018
23, 6.36, 31.1, 36, 738, 00 , 14:20:03, 28-Jul-2018
24, 9.01, 31.8, 34, 738, 00 , 14:35:03, 28-Jul-2018
25, 6.59, 31.5, 35, 738, 00 , 14:50:03, 28-Jul-2018
26, 6.39, 30.8, 35, 738, 00 , 15:05:03, 28-Jul-2018
27, 7.31, 30.5, 35, 738, 00 , 15:20:03, 28-Jul-2018
28, 7.75, 31.3, 34, 738, 00 , 15:35:03, 28-Jul-2018

DAILY OBSERVATION REPORT

Report No.:	51	Project File:	MN0832D	Date:	7/30/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: James Burnett

Site Representative: Ashwin Ranna

Arrive at Site: 0700hrs. Leave Site: 1900hrs.

Contractor: Recon

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Clear and Sunny	am	Overcast, Light to heavy rain	pm
Temperature:	61° F	am	~77° F	pm
Wind Direction:	Calm	am	3 N	pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☒	No ☐	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 51 Project File: MN0832D Date: 7/30/2018

Materials Imported and Removed from Work Areas

As of 28 July 2018:

TSCA Soil Removal:

Total Loads today: 13 Total Loads to date: 249

Weight: 22 tons/each Total Weight to date: ~6046 Tons

Non Haz Soil Removal:

Total Loads today: 12 Total Loads to date: 62

Weight: 20 tons/each Total Weight to date: ~1240Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 15

Weight: 0 Tons Total Weight to date: ~293 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: 0 Tons Total Weight to date: 132 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~210

Weight: ~22 Tons/each Total Weight to date: ~4601Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	51	Project File:	MN0832D	Date:	7/30/2018

Summary of Events

AM

- Geosyntec arrived on site at 0700. Attended Recon safety meeting. Recon planned to continue backfilling and compaction within the RPL. Geosyntec calibrated and deployed dust monitors. Tisch samplers were set up and deployed across site.
- Geosyntec held the safety tailgate meeting and planned the day's activities, including reviewing samples to be collected. Geosyntec continued sampling and labelling throughout the day. Geosyntec personnel were assigned to the MSA for Non Haz loading and the RPL for TSCA loadout and backfill CQA.
- ATL laboratory technician was on site to take readings on compaction of backfill. Material was backfilled between gas and electric lines and compaction was tested. Backfilling and compaction continued between areas to the south of the gas lines and between the electric and gas utility lines. Backfilling took place within the western part of the site to the top 2' and a demarcation fabric was placed prior to bringing in imported fill material for the last 2'.
- TSCA truck and Non Haz truck loading took place throughout the day.
- School contractor was not on site working within the excavation area. A dust monitor was deployed at the RPL at the boundary between the handed over Phase 1 and phase 2 on the site.
- Recon sprayed water around the site multiple times during the day. Reuse material from the MSA was brought to the RPL and compacted. ATL technician continued testing compaction.

PM

- Samples collected were packed and prepare to be shipped.
- Scott Williams arrived on site at 1230 and inspected the site till 1515.
- Heavy rain was observed on site at around 1500. Excavation and backfill was stopped and site was shut down by 1600. Dust meters were pulled, and data downloaded.
- Backfilling continued to end of day. Compaction testing continued until the end of day as well.
- Recon began shutting down the site and majority of the personnel left site at 1600.
- AR completed a SWPPP inspection and checked sumps and silt fences. TISCH samples were collected. Geosyntec continued to log and pack samples till 1830. GWK left site to ship samples at 1830.
- Geosyntec left site at 1900.

Report No.:	51	Project File:	MN0832D	Date:	7/30/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Brian Kilkenny
- Bryan Balog
- Scott Earley
- Rich Tonnucour
- (Recon labor) X17

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	NYSDEC	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: NA

ITEMS OF CONCERN:

Monitors in the RPL were pulled when the rain began. High readings at the end of the day are associated with collecting the monitors in a bag without turning them off.

DAILY OBSERVATION REPORT

Report No.:	51	Project File:	MN0832D	Date:	7/30/2018

Site Representative: Ashwin Ranna

Date: 7/30/2018

Name (Signature):



Report No.: 51 Project File: MN0832D Date: 7/30/2018

Photo Log

Date : 7/30/2018

	
Backfilling and TSCA truck loading	Compacting soil between utility lines using BOMAG
	
Collecting TSCA material for loadout	Demarcation layer installed above reuse material.

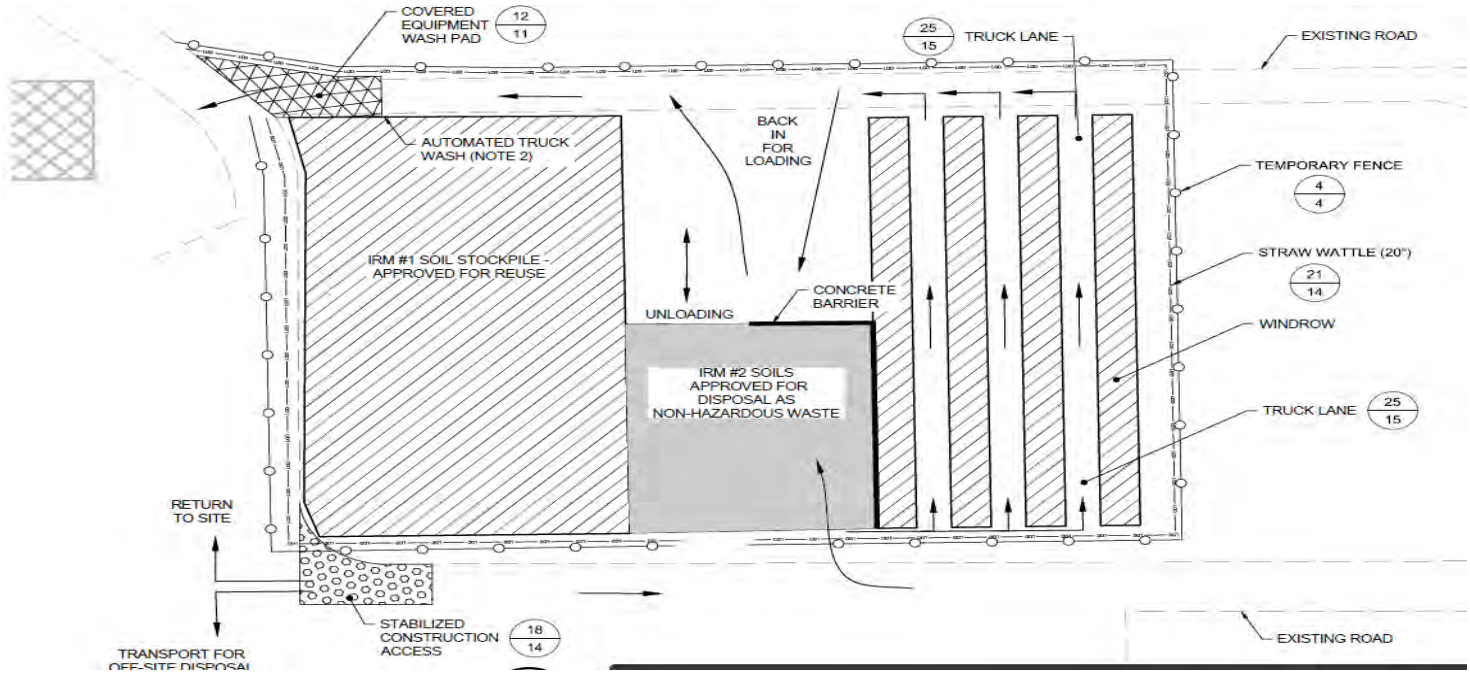
Report No.:	51	Project File:	MN0832D	Date:	7/30/2018

Site Map

Rear Parking Lot

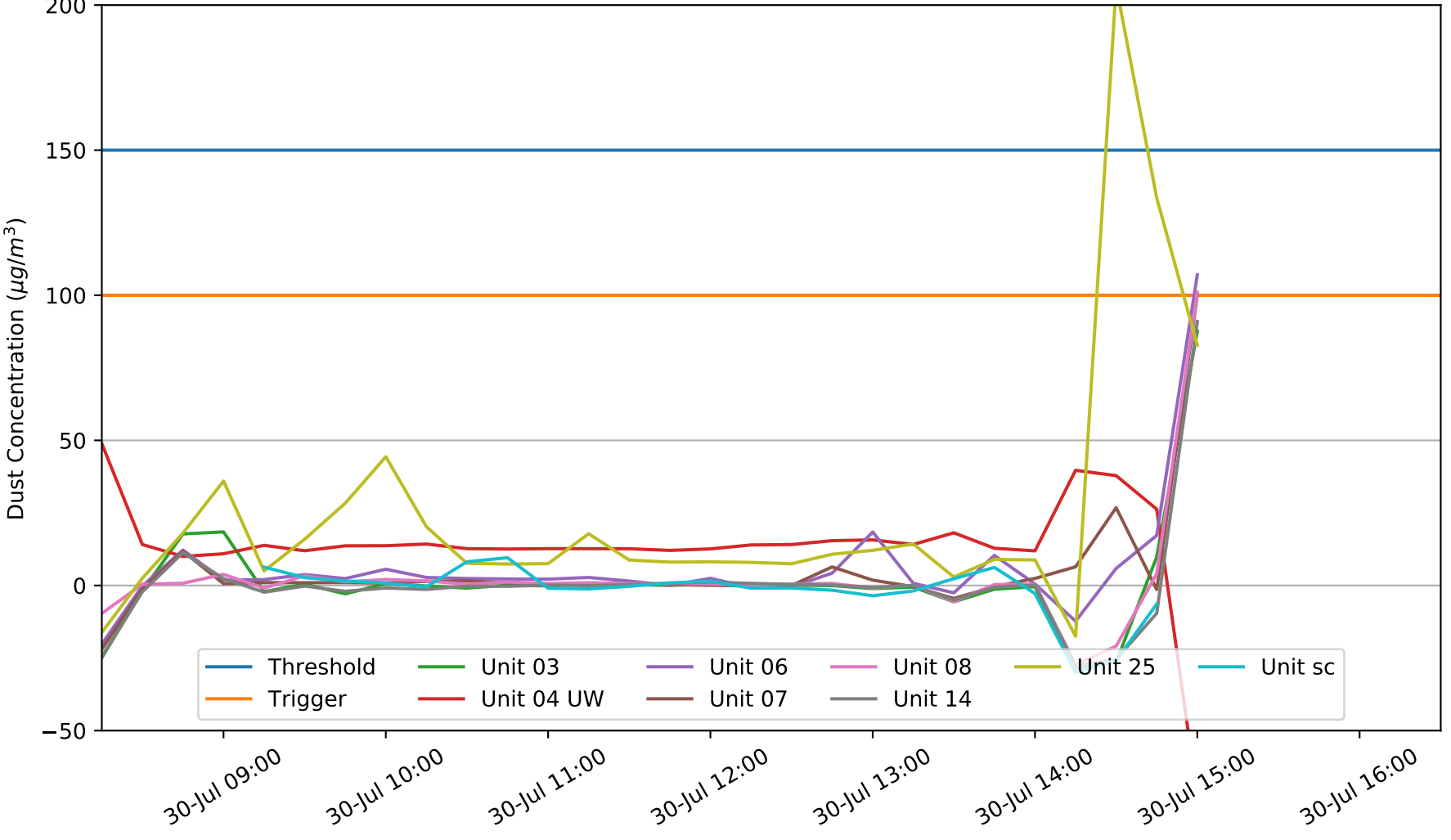


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 30-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 30-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 25	Unit 08	Unit 06	Unit 07	Unit 14	Unit 03	Unit 04 UW	Unit sc	Threshold	Trigger
2018-07-30 08:15:00	-16.16	-9.63	-20.21	-21.97	-24.45	-24.88	48.89		150	100
2018-07-30 08:30:00	2.5	0.44	-0.17	-1.19	-2.16	-1.88	14.12		150	100
2018-07-30 08:45:00	18.07	0.78	12.2	11.82	11.31	17.78	10.01		150	100
2018-07-30 09:00:00	35.98	3.83	1.83	0.61	2.38	18.46	10.93		150	100
2018-07-30 09:15:00	5	-0.89	2.04	1.01	-2.31	-2.12	13.84	6.34	150	100
2018-07-30 09:30:00	15.95	3.31	3.76	0.96	-0.2	0.45	11.97	2.71	150	100
2018-07-30 09:45:00	28.35	1.28	2.38	0.99	-2	-2.89	13.67	1.53	150	100
2018-07-30 10:00:00	44.37	2.06	5.61	0.81	-0.85	0.65	13.71	0.84	150	100
2018-07-30 10:15:00	20.26	1.58	2.76	1.42	-1.34	-0.2	14.28	-0.47	150	100
2018-07-30 10:30:00	7.63	0.43	2.42	1.59	-0.23	-0.89	12.69	8.18	150	100
2018-07-30 10:45:00	7.41	1.2	2.24	0.91	-0.28	0.09	12.56	9.56	150	100
2018-07-30 11:00:00	7.52	0.71	2.19	0.37	0.14	-0.14	12.69	-0.94	150	100
2018-07-30 11:15:00	17.83	0.96	2.76	0.54	-0.06	0.47	12.68	-1.18	150	100
2018-07-30 11:30:00	8.77	0.7	1.52	0.7	0.31	0.27	12.66	-0.27	150	100
2018-07-30 11:45:00	8.06	0.66	0.06	0.32	0.71	0.06	12.09	0.91	150	100
2018-07-30 12:00:00	8.15	0.55	2.47	0.08	1.2	0.45	12.61	1.48	150	100
2018-07-30 12:15:00	7.97	0.1	-0.73	-0.17	0.72	0.59	13.97	-0.9	150	100
2018-07-30 12:30:00	7.49	0.49	-0.49	0.01	0.4	0.1	14.11	-0.86	150	100
2018-07-30 12:45:00	10.77	0.71	4.25	6.4	0.12	-0.05	15.44	-1.62	150	100
2018-07-30 13:00:00	12.1	-0.89	18.42	1.84	-0.7	-1.07	15.72	-3.55	150	100
2018-07-30 13:15:00	14.31	0.09	0.75	-0.4	0.03	-0.55	14.14	-1.87	150	100
2018-07-30 13:30:00	2.92	-5.55	-2.53	-4.47	-5.02	-5.62	18.15	2.34	150	100
2018-07-30 13:45:00	8.99	0.32	10.37	-0.42	-0.57	-1.27	12.83	6.22	150	100
2018-07-30 14:00:00	8.81	0.47	0.52	2.44	0.13	-0.42	11.93	-2.77	150	100
2018-07-30 14:15:00	-17.48	-27.25	-12.31	6.42	-27.74	-28.48	39.69	-30.02	150	100
2018-07-30 14:30:00	206.7	-20.9	5.88	26.81	-25.43	-26.4	37.85	-25.91	150	100
2018-07-30 14:45:00	133.54	4.03	17.23	-1.41	-9.58	9.85	26.29	-6.38	150	100
2018-07-30 15:00:00	82.81	101.05	107.05	100.23	90.96	87.65	-72.48		150	100
2018-07-30 15:15:00									150	100
2018-07-30 15:30:00									150	100
2018-07-30 15:45:00									150	100
2018-07-30 16:00:00									150	100
2018-07-30 16:15:00									150	100
2018-07-30 16:30:00									150	100

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"RH CORRECT ", "ENABLED "
"Max Disp ", 2592.219114
"Max Disp @ ", 14:26:39 30-Jul-2018
"Max STEL ", 364.297366
"Max STEL @ ", 14:37:53 30-Jul-2018
"Avg point ", 38.773427
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 32.73, 17.8, 55, 742, 00 , 08:15:03, 30-Jul-2018
2, 16.62, 18.1, 56, 742, 00 , 08:30:03, 30-Jul-2018
3, 28.08, 18.4, 56, 742, 00 , 08:45:03, 30-Jul-2018
4, 46.91, 18.5, 58, 742, 00 , 09:00:03, 30-Jul-2018
5, 18.84, 18.9, 58, 742, 00 , 09:15:03, 30-Jul-2018
6, 27.92, 20.2, 54, 742, 00 , 09:30:03, 30-Jul-2018
7, 42.02, 20.9, 53, 742, 00 , 09:45:03, 30-Jul-2018
8, 58.08, 20.7, 54, 742, 00 , 10:00:03, 30-Jul-2018
9, 34.54, 20.7, 54, 742, 00 , 10:15:03, 30-Jul-2018
10, 20.32, 21.7, 50, 742, 00 , 10:30:03, 30-Jul-2018
11, 19.97, 22.7, 49, 742, 00 , 10:45:03, 30-Jul-2018
12, 20.21, 23.5, 47, 742, 00 , 11:00:03, 30-Jul-2018
13, 30.51, 23.9, 47, 742, 00 , 11:15:03, 30-Jul-2018
14, 21.43, 24.3, 47, 742, 00 , 11:30:03, 30-Jul-2018
15, 20.15, 25.4, 46, 742, 00 , 11:45:03, 30-Jul-2018
16, 20.76, 26.7, 43, 742, 00 , 12:00:03, 30-Jul-2018
17, 21.94, 27.4, 42, 742, 00 , 12:15:03, 30-Jul-2018
18, 21.60, 27.4, 40, 742, 00 , 12:30:03, 30-Jul-2018
19, 26.21, 27.8, 39, 742, 00 , 12:45:03, 30-Jul-2018
20, 27.82, 28.0, 39, 742, 00 , 13:00:03, 30-Jul-2018
21, 28.45, 28.5, 36, 742, 00 , 13:15:03, 30-Jul-2018
22, 21.07, 29.0, 33, 742, 00 , 13:30:03, 30-Jul-2018
23, 21.82, 29.4, 31, 742, 00 , 13:45:03, 30-Jul-2018
24, 20.74, 29.7, 29, 742, 00 , 14:00:03, 30-Jul-2018
25, 22.21, 29.6, 28, 742, 00 , 14:15:03, 30-Jul-2018
26, 244.55, 29.2, 29, 742, 00 , 14:30:03, 30-Jul-2018
27, 159.83, 28.2, 34, 742, 00 , 14:45:03, 30-Jul-2018
28, 10.33, 23.8, 51, 742, 40 , 15:00:03, 30-Jul-2018

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"RH CORRECT ", "ENABLED "
"Max Disp ", 161.243382
"Max Disp @ ", 08:06:20 30-Jul-2018
"Max STEL ", 40.653257
"Max STEL @ ", 08:17:23 30-Jul-2018
"Avg point ", 14.660649
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 39.26, 19.2, 67, 742, 00 , 08:15:03, 30-Jul-2018
2, 14.56, 18.8, 73, 742, 00 , 08:30:03, 30-Jul-2018
3, 10.79, 19.6, 74, 742, 00 , 08:45:03, 30-Jul-2018
4, 14.76, 21.4, 67, 742, 00 , 09:00:03, 30-Jul-2018
5, 12.95, 24.6, 55, 742, 00 , 09:15:03, 30-Jul-2018
6, 15.28, 28.9, 43, 742, 00 , 09:30:03, 30-Jul-2018
7, 14.95, 30.7, 38, 742, 00 , 09:45:03, 30-Jul-2018
8, 15.77, 29.8, 40, 740, 00 , 10:00:03, 30-Jul-2018
9, 15.86, 29.2, 42, 740, 00 , 10:15:03, 30-Jul-2018
10, 13.12, 30.3, 40, 740, 00 , 10:30:03, 30-Jul-2018
11, 13.76, 31.6, 38, 740, 00 , 10:45:03, 30-Jul-2018
12, 13.40, 32.4, 36, 740, 00 , 11:00:03, 30-Jul-2018
13, 13.64, 32.2, 38, 740, 00 , 11:15:03, 30-Jul-2018
14, 13.36, 32.3, 39, 740, 00 , 11:30:03, 30-Jul-2018
15, 12.75, 33.9, 37, 740, 00 , 11:45:03, 30-Jul-2018
16, 13.16, 36.3, 32, 740, 00 , 12:00:03, 30-Jul-2018
17, 14.07, 36.5, 32, 740, 00 , 12:15:03, 30-Jul-2018
18, 14.60, 35.7, 33, 740, 00 , 12:30:03, 30-Jul-2018
19, 16.15, 35.3, 33, 740, 00 , 12:45:03, 30-Jul-2018
20, 14.83, 35.2, 34, 740, 00 , 13:00:03, 30-Jul-2018
21, 14.23, 35.1, 33, 740, 00 , 13:15:03, 30-Jul-2018
22, 12.60, 35.5, 31, 740, 00 , 13:30:03, 30-Jul-2018
23, 13.15, 35.7, 30, 740, 00 , 13:45:03, 30-Jul-2018
24, 12.40, 35.8, 29, 740, 00 , 14:00:03, 30-Jul-2018
25, 12.44, 35.2, 29, 740, 00 , 14:15:03, 30-Jul-2018
26, 16.95, 34.6, 31, 740, 00 , 14:30:03, 30-Jul-2018
27, 30.32, 33.5, 37, 740, 00 , 14:45:03, 30-Jul-2018
28, 28.57, 26.9, 64, 740, 00 , 15:00:03, 30-Jul-2018

29, 11.88, 22.4, 81, 740, 00 , 15:15:03, 30-Jul-2018
30, 9.08, 20.9, 86, 740, 00 , 15:30:03, 30-Jul-2018
31, 7.87, 20.4, 90, 740, 00 , 15:45:03, 30-Jul-2018
32, 7.51, 20.5, 92, 740, 00 , 16:00:03, 30-Jul-2018
33, 7.05, 20.7, 92, 742, 00 , 16:15:03, 30-Jul-2018
34, 7.41, 20.5, 90, 742, 00 , 16:30:03, 30-Jul-2018

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 14:23:48 30-Jul-2018
"Max STEL ", 56.509409
"Max STEL @ ", 14:48:33 30-Jul-2018
"Avg point ", 19.975397
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 28.68, 16.0, 63, 744, 01 , 08:15:03, 30-Jul-2018
2, 13.95, 16.4, 62, 744, 00 , 08:30:03, 30-Jul-2018
3, 22.21, 16.8, 63, 744, 00 , 08:45:03, 30-Jul-2018
4, 12.76, 17.9, 62, 744, 00 , 09:00:03, 30-Jul-2018
5, 15.88, 20.3, 55, 744, 00 , 09:15:03, 30-Jul-2018
6, 15.73, 22.9, 48, 744, 00 , 09:30:03, 30-Jul-2018
7, 16.05, 23.4, 46, 744, 02 , 09:45:03, 30-Jul-2018
8, 19.32, 22.7, 48, 744, 02 , 10:00:03, 30-Jul-2018
9, 17.04, 22.5, 49, 744, 00 , 10:15:03, 30-Jul-2018
10, 15.11, 23.5, 48, 744, 02 , 10:30:03, 30-Jul-2018
11, 14.80, 24.3, 46, 744, 00 , 10:45:03, 30-Jul-2018
12, 14.88, 25.0, 45, 744, 02 , 11:00:03, 30-Jul-2018
13, 15.44, 25.2, 46, 744, 02 , 11:15:03, 30-Jul-2018
14, 14.18, 25.6, 46, 744, 02 , 11:30:03, 30-Jul-2018
15, 12.15, 26.9, 45, 744, 02 , 11:45:03, 30-Jul-2018
16, 15.08, 28.5, 41, 744, 02 , 12:00:03, 30-Jul-2018
17, 13.24, 29.0, 40, 744, 02 , 12:15:03, 30-Jul-2018
18, 13.62, 28.4, 40, 744, 02 , 12:30:03, 30-Jul-2018
19, 19.69, 28.3, 40, 744, 00 , 12:45:03, 30-Jul-2018
20, 34.14, 28.2, 41, 744, 02 , 13:00:03, 30-Jul-2018
21, 14.89, 28.5, 39, 744, 02 , 13:15:03, 30-Jul-2018
22, 15.62, 28.7, 38, 744, 02 , 13:30:03, 30-Jul-2018
23, 23.20, 28.8, 36, 744, 02 , 13:45:03, 30-Jul-2018
24, 12.45, 28.9, 34, 744, 02 , 14:00:03, 30-Jul-2018
25, 27.38, 28.7, 34, 744, 02 , 14:15:03, 30-Jul-2018
26, 43.73, 28.4, 35, 744, 02 , 14:30:03, 30-Jul-2018
27, 43.52, 27.7, 42, 744, 02 , 14:45:03, 30-Jul-2018
28, 34.57, 23.9, 62, 744, 02 , 15:00:03, 30-Jul-2018

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 14:21:46 30-Jul-2018
"Max STEL ", 75.455961
"Max STEL @ ", 14:27:13 30-Jul-2018
"Avg point ", 18.688822
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 26.92, 20.6, 63, 744, 02 , 08:15:03, 30-Jul-2018
2, 12.93, 21.0, 63, 744, 00 , 08:30:03, 30-Jul-2018
3, 21.83, 21.4, 63, 744, 00 , 08:45:03, 30-Jul-2018
4, 11.54, 22.5, 61, 744, 00 , 09:00:03, 30-Jul-2018
5, 14.85, 24.9, 55, 744, 00 , 09:15:03, 30-Jul-2018
6, 12.93, 27.4, 49, 744, 00 , 09:30:03, 30-Jul-2018
7, 14.66, 28.1, 47, 744, 00 , 09:45:03, 30-Jul-2018
8, 14.52, 27.4, 49, 744, 00 , 10:00:03, 30-Jul-2018
9, 15.70, 27.1, 50, 742, 00 , 10:15:03, 30-Jul-2018
10, 14.28, 28.0, 49, 742, 00 , 10:30:03, 30-Jul-2018
11, 13.47, 28.9, 47, 742, 00 , 10:45:03, 30-Jul-2018
12, 13.06, 29.7, 45, 744, 00 , 11:00:03, 30-Jul-2018
13, 13.22, 29.9, 46, 742, 00 , 11:15:03, 30-Jul-2018
14, 13.36, 30.5, 46, 742, 00 , 11:30:03, 30-Jul-2018
15, 12.41, 32.0, 43, 742, 00 , 11:45:03, 30-Jul-2018
16, 12.69, 33.4, 40, 742, 00 , 12:00:03, 30-Jul-2018
17, 13.80, 33.7, 40, 742, 00 , 12:15:03, 30-Jul-2018
18, 14.12, 33.0, 41, 742, 00 , 12:30:03, 30-Jul-2018
19, 21.84, 32.7, 41, 742, 00 , 12:45:03, 30-Jul-2018
20, 17.56, 32.4, 42, 742, 00 , 13:00:03, 30-Jul-2018
21, 13.74, 32.5, 40, 742, 00 , 13:15:03, 30-Jul-2018
22, 13.68, 32.5, 39, 742, 00 , 13:30:03, 30-Jul-2018
23, 12.41, 32.7, 38, 742, 00 , 13:45:03, 30-Jul-2018
24, 14.37, 32.7, 36, 742, 00 , 14:00:03, 30-Jul-2018
25, 46.11, 32.7, 36, 742, 00 , 14:15:03, 30-Jul-2018
26, 64.66, 32.6, 37, 742, 00 , 14:30:03, 30-Jul-2018
27, 24.88, 32.0, 42, 742, 00 , 14:45:03, 30-Jul-2018
28, 27.75, 28.8, 60, 744, 00 , 15:00:03, 30-Jul-2018

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"Max Disp @ ", 08:37:37 30-Jul-2018
"Max STEL ", 25.604162
"Max STEL @ ", 08:17:53 30-Jul-2018
"Avg point ", 14.018363
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"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 24.44, 20.4, 64, 742, 01 , 08:15:03, 30-Jul-2018
2, 11.96, 20.5, 65, 742, 00 , 08:30:03, 30-Jul-2018
3, 21.32, 20.7, 67, 742, 00 , 08:45:03, 30-Jul-2018
4, 13.31, 21.3, 67, 742, 00 , 09:00:03, 30-Jul-2018
5, 11.53, 22.0, 66, 742, 00 , 09:15:03, 30-Jul-2018
6, 11.77, 23.3, 63, 742, 00 , 09:30:03, 30-Jul-2018
7, 11.67, 24.1, 59, 742, 00 , 09:45:03, 30-Jul-2018
8, 12.86, 23.7, 61, 742, 00 , 10:00:03, 30-Jul-2018
9, 12.94, 23.7, 61, 742, 00 , 10:15:03, 30-Jul-2018
10, 12.46, 24.6, 59, 742, 00 , 10:30:03, 30-Jul-2018
11, 12.28, 25.4, 58, 742, 00 , 10:45:03, 30-Jul-2018
12, 12.83, 26.0, 56, 742, 00 , 11:00:03, 30-Jul-2018
13, 12.62, 26.4, 56, 742, 00 , 11:15:03, 30-Jul-2018
14, 12.97, 27.6, 54, 742, 00 , 11:30:03, 30-Jul-2018
15, 12.80, 28.9, 51, 742, 00 , 11:45:03, 30-Jul-2018
16, 13.81, 30.1, 48, 742, 00 , 12:00:03, 30-Jul-2018
17, 14.69, 30.2, 48, 742, 00 , 12:15:03, 30-Jul-2018
18, 14.51, 29.6, 48, 742, 00 , 12:30:03, 30-Jul-2018
19, 15.56, 29.4, 49, 742, 00 , 12:45:03, 30-Jul-2018
20, 15.02, 29.4, 49, 742, 00 , 13:00:03, 30-Jul-2018
21, 14.17, 29.8, 47, 742, 00 , 13:15:03, 30-Jul-2018
22, 13.13, 30.3, 43, 742, 00 , 13:30:03, 30-Jul-2018
23, 12.26, 30.3, 44, 742, 00 , 13:45:03, 30-Jul-2018
24, 12.06, 30.7, 42, 740, 00 , 14:00:03, 30-Jul-2018
25, 11.95, 30.8, 41, 740, 00 , 14:15:03, 30-Jul-2018
26, 12.42, 30.4, 41, 740, 00 , 14:30:03, 30-Jul-2018
27, 16.71, 29.5, 45, 742, 00 , 14:45:03, 30-Jul-2018
28, 18.48, 25.9, 61, 742, 00 , 15:00:03, 30-Jul-2018

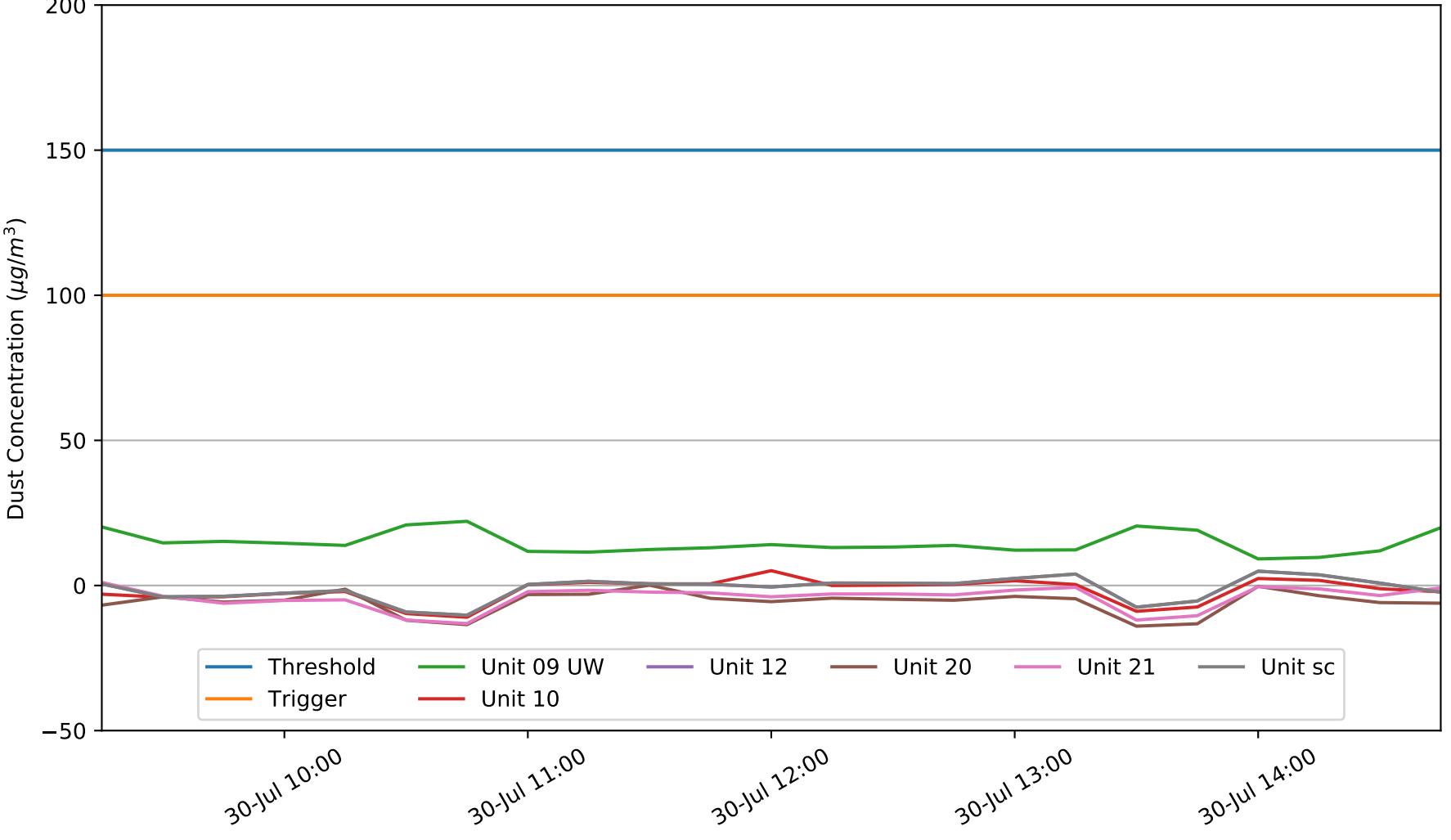
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"Max Disp @ ", 14:41:47 30-Jul-2018
"Max STEL ", 46.319203
"Max STEL @ ", 14:46:33 30-Jul-2018
"Avg point ", 15.251894
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 24.01, 19.9, 67, 742, 01 , 08:15:03, 30-Jul-2018
2, 12.24, 20.2, 68, 742, 00 , 08:30:03, 30-Jul-2018
3, 27.79, 20.5, 69, 742, 00 , 08:45:03, 30-Jul-2018
4, 29.39, 20.5, 71, 742, 00 , 09:00:03, 30-Jul-2018
5, 11.72, 20.3, 74, 742, 00 , 09:15:03, 30-Jul-2018
6, 12.42, 20.6, 73, 742, 00 , 09:30:03, 30-Jul-2018
7, 10.78, 21.2, 73, 742, 00 , 09:45:03, 30-Jul-2018
8, 14.36, 22.0, 71, 742, 00 , 10:00:03, 30-Jul-2018
9, 14.08, 22.8, 68, 742, 00 , 10:15:03, 30-Jul-2018
10, 11.80, 24.0, 67, 742, 00 , 10:30:03, 30-Jul-2018
11, 12.65, 25.1, 62, 742, 00 , 10:45:03, 30-Jul-2018
12, 12.55, 25.8, 62, 742, 00 , 11:00:03, 30-Jul-2018
13, 13.15, 26.5, 61, 742, 00 , 11:15:03, 30-Jul-2018
14, 12.93, 27.4, 58, 742, 00 , 11:30:03, 30-Jul-2018
15, 12.15, 28.6, 58, 742, 00 , 11:45:03, 30-Jul-2018
16, 13.06, 30.2, 53, 742, 00 , 12:00:03, 30-Jul-2018
17, 14.56, 30.8, 50, 742, 00 , 12:15:03, 30-Jul-2018
18, 14.21, 31.1, 50, 742, 00 , 12:30:03, 30-Jul-2018
19, 15.39, 31.7, 49, 742, 00 , 12:45:03, 30-Jul-2018
20, 14.65, 32.2, 49, 742, 00 , 13:00:03, 30-Jul-2018
21, 13.59, 32.8, 46, 742, 00 , 13:15:03, 30-Jul-2018
22, 12.53, 33.5, 44, 742, 00 , 13:30:03, 30-Jul-2018
23, 11.56, 33.8, 43, 742, 00 , 13:45:03, 30-Jul-2018
24, 11.51, 34.2, 41, 742, 00 , 14:00:03, 30-Jul-2018
25, 11.21, 33.8, 41, 742, 00 , 14:15:03, 30-Jul-2018
26, 11.45, 33.0, 42, 742, 00 , 14:30:03, 30-Jul-2018
27, 36.14, 31.6, 46, 742, 00 , 14:45:03, 30-Jul-2018
28, 15.17, 27.5, 66, 742, 59 , 15:00:03, 30-Jul-2018

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"Tag Number ", 18
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"RH CORRECT ", "ENABLED "
"Max Disp ", 241.923952
"Max Disp @ ", 14:14:39 30-Jul-2018
"Max STEL ", 55.638800
"Max STEL @ ", 14:25:23 30-Jul-2018
"Avg point ", 13.823820
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 48.89, 20.8, 65, 744, 01 , 08:15:03, 30-Jul-2018
2, 14.12, 20.4, 69, 744, 01 , 08:30:03, 30-Jul-2018
3, 10.01, 20.3, 70, 744, 01 , 08:45:03, 30-Jul-2018
4, 10.93, 20.8, 69, 744, 01 , 09:00:03, 30-Jul-2018
5, 13.84, 22.1, 67, 744, 01 , 09:15:03, 30-Jul-2018
6, 11.97, 24.3, 59, 744, 01 , 09:30:03, 30-Jul-2018
7, 13.67, 25.0, 57, 744, 01 , 09:45:03, 30-Jul-2018
8, 13.71, 25.0, 58, 744, 01 , 10:00:03, 30-Jul-2018
9, 14.28, 25.3, 57, 744, 01 , 10:15:03, 30-Jul-2018
10, 12.69, 26.7, 53, 744, 01 , 10:30:03, 30-Jul-2018
11, 12.56, 27.8, 51, 744, 01 , 10:45:03, 30-Jul-2018
12, 12.69, 28.5, 50, 744, 01 , 11:00:03, 30-Jul-2018
13, 12.68, 28.9, 49, 744, 01 , 11:15:03, 30-Jul-2018
14, 12.66, 29.6, 49, 744, 01 , 11:30:03, 30-Jul-2018
15, 12.09, 30.9, 47, 744, 01 , 11:45:03, 30-Jul-2018
16, 12.61, 31.8, 45, 744, 01 , 12:00:03, 30-Jul-2018
17, 13.97, 32.0, 45, 744, 01 , 12:15:03, 30-Jul-2018
18, 14.11, 32.4, 44, 744, 01 , 12:30:03, 30-Jul-2018
19, 15.44, 32.7, 43, 744, 01 , 12:45:03, 30-Jul-2018
20, 15.72, 32.8, 44, 744, 01 , 13:00:03, 30-Jul-2018
21, 14.14, 33.4, 40, 744, 01 , 13:15:03, 30-Jul-2018
22, 18.15, 34.2, 37, 744, 01 , 13:30:03, 30-Jul-2018
23, 12.83, 34.2, 36, 744, 01 , 13:45:03, 30-Jul-2018
24, 11.93, 34.4, 35, 744, 01 , 14:00:03, 30-Jul-2018
25, 39.69, 34.6, 34, 744, 01 , 14:15:03, 30-Jul-2018
26, 37.85, 34.2, 35, 744, 01 , 14:30:03, 30-Jul-2018
27, 26.29, 33.2, 40, 744, 01 , 14:45:03, 30-Jul-2018
28, -72.48, 28.3, 62, 744, 5B , 15:00:03, 30-Jul-2018

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"RH CORRECT ", "ENABLED "
"Max Disp   ", 146.822309
"Max Disp @ ", 10:41:21 30-Jul-2018
"Max STEL   ", 28.210413
"Max STEL @ ", 13:36:33 30-Jul-2018
"Avg point ", 14.735634
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
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    2,   14.68, 22.7,   63,   742, 00 , 09:30:03, 30-Jul-2018
    3,   15.20, 24.2,   58,   742, 00 , 09:45:03, 30-Jul-2018
    4,   14.55, 24.2,   57,   740, 00 , 10:00:03, 30-Jul-2018
    5,   13.81, 24.6,   57,   740, 00 , 10:15:03, 30-Jul-2018
    6,   20.87, 26.4,   54,   742, 00 , 10:30:03, 30-Jul-2018
    7,   22.12, 27.8,   53,   742, 00 , 10:45:03, 30-Jul-2018
    8,   11.75, 28.2,   52,   742, 00 , 11:00:03, 30-Jul-2018
    9,   11.50, 28.4,   53,   742, 00 , 11:15:03, 30-Jul-2018
   10,   12.39, 29.2,   51,   742, 00 , 11:30:03, 30-Jul-2018
   11,   13.00, 30.8,   47,   742, 00 , 11:45:03, 30-Jul-2018
   12,   14.09, 31.6,   46,   740, 00 , 12:00:03, 30-Jul-2018
   13,   13.07, 31.9,   46,   740, 00 , 12:15:03, 30-Jul-2018
   14,   13.25, 31.4,   44,   740, 00 , 12:30:03, 30-Jul-2018
   15,   13.82, 31.3,   44,   740, 00 , 12:45:03, 30-Jul-2018
   16,   12.17, 31.3,   45,   740, 00 , 13:00:03, 30-Jul-2018
   17,   12.27, 32.0,   44,   740, 00 , 13:15:03, 30-Jul-2018
   18,   20.49, 32.6,   41,   740, 00 , 13:30:03, 30-Jul-2018
   19,   19.05, 32.9,   40,   740, 00 , 13:45:03, 30-Jul-2018
   20,   9.16, 33.0,   38,   740, 00 , 14:00:03, 30-Jul-2018
   21,   9.67, 32.6,   37,   740, 00 , 14:15:03, 30-Jul-2018
   22,   11.94, 32.0,   38,   740, 00 , 14:30:03, 30-Jul-2018
   23,   19.91, 30.9,   40,   740, 00 , 14:45:03, 30-Jul-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 30-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 30-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 12	Unit 21	Unit 10	Unit sc	Unit 20	Unit 09 UW	Threshold	Trigger
2018-07-30 09:15:00	0.54	1.08	-3	0.54	-6.78	20.18	150	100
2018-07-30 09:30:00	-3.91	-3.68	-4.04	-3.91	-3.92	14.68	150	100
2018-07-30 09:45:00	-3.72	-6.12	-3.89	-3.72	-5.71	15.2	150	100
2018-07-30 10:00:00	-2.65	-5.16	-2.71	-2.65	-5.06	14.55	150	100
2018-07-30 10:15:00	-1.73	-4.96	-2.09	-1.73	-1.26	13.81	150	100
2018-07-30 10:30:00	-9.14	-11.91	-9.67	-9.14	-11.97	20.87	150	100
2018-07-30 10:45:00	-10.24	-13.11	-10.94	-10.24	-13.49	22.12	150	100
2018-07-30 11:00:00	0.35	-2.13	0.26	0.35	-3.12	11.75	150	100
2018-07-30 11:15:00	1.44	-1.65	1.09	1.44	-3.02	11.5	150	100
2018-07-30 11:30:00	0.56	-2.28	0.57	0.56	0.11	12.39	150	100
2018-07-30 11:45:00	0.42	-2.55	0.57	0.42	-4.43	13	150	100
2018-07-30 12:00:00	-0.52	-3.89	5.11	-0.52	-5.57	14.09	150	100
2018-07-30 12:15:00	0.85	-2.92	-0.01	0.85	-4.37	13.07	150	100
2018-07-30 12:30:00	0.8	-2.92	0.12	0.8	-4.75	13.25	150	100
2018-07-30 12:45:00	0.66	-3.25	0.36	0.66	-5.09	13.82	150	100
2018-07-30 13:00:00	2.44	-1.58	1.63	2.44	-3.76	12.17	150	100
2018-07-30 13:15:00	3.94	-0.64	0.34	3.94	-4.56	12.27	150	100
2018-07-30 13:30:00	-7.47	-11.91	-8.89	-7.47	-14.02	20.49	150	100
2018-07-30 13:45:00	-5.34	-10.41	-7.41	-5.34	-13.2	19.05	150	100
2018-07-30 14:00:00	4.93	-0.42	2.41	4.93	-0.28	9.16	150	100
2018-07-30 14:15:00	3.68	-1.16	1.76	3.68	-3.52	9.67	150	100
2018-07-30 14:30:00	0.82	-3.47	-1.11	0.82	-5.89	11.94	150	100
2018-07-30 14:45:00	-2.29	-0.83	-2.18	-2.29	-6.1	19.91	150	100

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"Log Period ", 00:15:00
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"Unit ", 0
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"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 09:01:49 30-Jul-2018
"Max STEL ", 20.720425
"Max STEL @ ", 09:15:03 30-Jul-2018
"Avg point ", 13.625113
"ALARM ", "DISABLED"
"ALARM_LEVEL(mg) ", 0.000000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
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1, 20.72, 16.5, 72, 744, 01 , 09:15:03, 30-Jul-2018
2, 10.77, 20.0, 64, 744, 00 , 09:30:03, 30-Jul-2018
3, 11.48, 21.5, 58, 744, 00 , 09:45:03, 30-Jul-2018
4, 11.90, 21.0, 59, 744, 00 , 10:00:03, 30-Jul-2018
5, 12.08, 21.1, 61, 744, 00 , 10:15:03, 30-Jul-2018
6, 11.73, 23.1, 57, 744, 00 , 10:30:03, 30-Jul-2018
7, 11.88, 24.5, 52, 744, 00 , 10:45:03, 30-Jul-2018
8, 12.10, 25.1, 51, 744, 00 , 11:00:03, 30-Jul-2018
9, 12.94, 24.7, 53, 744, 00 , 11:15:03, 30-Jul-2018
10, 12.95, 24.4, 56, 744, 00 , 11:30:03, 30-Jul-2018
11, 13.42, 25.6, 53, 744, 00 , 11:45:03, 30-Jul-2018
12, 13.57, 27.0, 51, 744, 00 , 12:00:03, 30-Jul-2018
13, 13.92, 27.9, 49, 744, 00 , 12:15:03, 30-Jul-2018
14, 14.05, 27.9, 47, 744, 00 , 12:30:03, 30-Jul-2018
15, 14.48, 27.8, 47, 742, 00 , 12:45:03, 30-Jul-2018
16, 14.61, 27.9, 47, 742, 01 , 13:00:03, 30-Jul-2018
17, 16.21, 27.8, 46, 742, 00 , 13:15:03, 30-Jul-2018
18, 13.02, 27.8, 45, 742, 00 , 13:30:03, 30-Jul-2018
19, 13.71, 27.7, 44, 742, 00 , 13:45:03, 30-Jul-2018
20, 14.09, 27.9, 43, 742, 00 , 14:00:03, 30-Jul-2018
21, 13.35, 27.8, 42, 742, 00 , 14:15:03, 30-Jul-2018
22, 12.76, 27.5, 43, 742, 00 , 14:30:03, 30-Jul-2018
23, 17.62, 26.8, 48, 742, 00 , 14:45:03, 30-Jul-2018

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"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 84.884863
"Max Disp @ ", 14:45:03 30-Jul-2018
"Max STEL ", 21.263924
"Max STEL @ ", 09:15:03 30-Jul-2018
"Avg point ", 10.567729
"ALARM ", "DISABLED"
"ALARM_LEVEL(mg) ", 0.000000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 21.26, 18.6, 66, 744, 41 , 09:15:03, 30-Jul-2018
2, 11.00, 20.0, 64, 744, 00 , 09:30:03, 30-Jul-2018
3, 9.08, 20.6, 61, 744, 00 , 09:45:03, 30-Jul-2018
4, 9.39, 21.2, 61, 744, 00 , 10:00:03, 30-Jul-2018
5, 8.85, 21.9, 60, 742, 00 , 10:15:03, 30-Jul-2018
6, 8.96, 23.3, 56, 742, 00 , 10:30:03, 30-Jul-2018
7, 9.01, 24.6, 52, 742, 00 , 10:45:03, 30-Jul-2018
8, 9.62, 25.4, 50, 742, 00 , 11:00:03, 30-Jul-2018
9, 9.85, 25.7, 51, 742, 00 , 11:15:03, 30-Jul-2018
10, 10.11, 26.3, 50, 742, 00 , 11:30:03, 30-Jul-2018
11, 10.45, 27.4, 49, 742, 00 , 11:45:03, 30-Jul-2018
12, 10.20, 28.8, 46, 742, 00 , 12:00:03, 30-Jul-2018
13, 10.15, 29.9, 44, 742, 00 , 12:15:03, 30-Jul-2018
14, 10.33, 30.4, 41, 742, 00 , 12:30:03, 30-Jul-2018
15, 10.57, 31.0, 40, 742, 00 , 12:45:03, 30-Jul-2018
16, 10.59, 31.4, 39, 742, 00 , 13:00:03, 30-Jul-2018
17, 11.63, 31.7, 38, 742, 00 , 13:15:03, 30-Jul-2018
18, 8.58, 32.2, 35, 742, 00 , 13:30:03, 30-Jul-2018
19, 8.64, 32.1, 34, 742, 00 , 13:45:03, 30-Jul-2018
20, 8.74, 32.3, 34, 742, 00 , 14:00:03, 30-Jul-2018
21, 8.51, 32.2, 33, 742, 00 , 14:15:03, 30-Jul-2018
22, 8.47, 31.5, 34, 742, 00 , 14:30:03, 30-Jul-2018
23, 19.08, 30.3, 40, 742, 00 , 14:45:03, 30-Jul-2018

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"RH CORRECT ", "ENABLED "
"Max Disp ", 98.406687
"Max Disp @ ", 11:58:15 30-Jul-2018
"Max STEL ", 19.495979
"Max STEL @ ", 12:12:03 30-Jul-2018
"Avg point ", 12.922193
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 17.18, 19.3, 68, 742, 01 , 09:15:03, 30-Jul-2018
2, 10.64, 20.9, 66, 742, 00 , 09:30:03, 30-Jul-2018
3, 11.31, 22.3, 61, 742, 00 , 09:45:03, 30-Jul-2018
4, 11.84, 22.9, 60, 742, 00 , 10:00:03, 30-Jul-2018
5, 11.72, 23.2, 59, 742, 00 , 10:15:03, 30-Jul-2018
6, 11.20, 24.8, 55, 742, 00 , 10:30:03, 30-Jul-2018
7, 11.18, 26.1, 51, 742, 00 , 10:45:03, 30-Jul-2018
8, 12.01, 26.8, 50, 742, 00 , 11:00:03, 30-Jul-2018
9, 12.59, 27.2, 51, 742, 00 , 11:15:03, 30-Jul-2018
10, 12.96, 27.5, 51, 742, 00 , 11:30:03, 30-Jul-2018
11, 13.57, 28.5, 50, 742, 00 , 11:45:03, 30-Jul-2018
12, 19.20, 30.1, 45, 742, 00 , 12:00:03, 30-Jul-2018
13, 13.06, 31.1, 43, 742, 00 , 12:15:03, 30-Jul-2018
14, 13.37, 31.5, 42, 742, 00 , 12:30:03, 30-Jul-2018
15, 14.18, 31.8, 40, 742, 00 , 12:45:03, 30-Jul-2018
16, 13.80, 32.0, 40, 740, 00 , 13:00:03, 30-Jul-2018
17, 12.61, 31.9, 40, 740, 00 , 13:15:03, 30-Jul-2018
18, 11.60, 32.2, 38, 740, 00 , 13:30:03, 30-Jul-2018
19, 11.64, 32.1, 37, 740, 00 , 13:45:03, 30-Jul-2018
20, 11.57, 32.5, 36, 740, 00 , 14:00:03, 30-Jul-2018
21, 11.43, 32.5, 36, 740, 00 , 14:15:03, 30-Jul-2018
22, 10.83, 32.0, 36, 740, 00 , 14:30:03, 30-Jul-2018
23, 17.73, 31.2, 39, 740, 00 , 14:45:03, 30-Jul-2018

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"Unit ", 0
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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 09:01:49 30-Jul-2018
"Max STEL ", 20.720425
"Max STEL @ ", 09:15:03 30-Jul-2018
"Avg point ", 13.625113
"ALARM ", "DISABLED"
"ALARM_LEVEL(mg) ", 0.000000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 20.72, 16.5, 72, 744, 01 , 09:15:03, 30-Jul-2018
2, 10.77, 20.0, 64, 744, 00 , 09:30:03, 30-Jul-2018
3, 11.48, 21.5, 58, 744, 00 , 09:45:03, 30-Jul-2018
4, 11.90, 21.0, 59, 744, 00 , 10:00:03, 30-Jul-2018
5, 12.08, 21.1, 61, 744, 00 , 10:15:03, 30-Jul-2018
6, 11.73, 23.1, 57, 744, 00 , 10:30:03, 30-Jul-2018
7, 11.88, 24.5, 52, 744, 00 , 10:45:03, 30-Jul-2018
8, 12.10, 25.1, 51, 744, 00 , 11:00:03, 30-Jul-2018
9, 12.94, 24.7, 53, 744, 00 , 11:15:03, 30-Jul-2018
10, 12.95, 24.4, 56, 744, 00 , 11:30:03, 30-Jul-2018
11, 13.42, 25.6, 53, 744, 00 , 11:45:03, 30-Jul-2018
12, 13.57, 27.0, 51, 744, 00 , 12:00:03, 30-Jul-2018
13, 13.92, 27.9, 49, 744, 00 , 12:15:03, 30-Jul-2018
14, 14.05, 27.9, 47, 744, 00 , 12:30:03, 30-Jul-2018
15, 14.48, 27.8, 47, 742, 00 , 12:45:03, 30-Jul-2018
16, 14.61, 27.9, 47, 742, 01 , 13:00:03, 30-Jul-2018
17, 16.21, 27.8, 46, 742, 00 , 13:15:03, 30-Jul-2018
18, 13.02, 27.8, 45, 742, 00 , 13:30:03, 30-Jul-2018
19, 13.71, 27.7, 44, 742, 00 , 13:45:03, 30-Jul-2018
20, 14.09, 27.9, 43, 742, 00 , 14:00:03, 30-Jul-2018
21, 13.35, 27.8, 42, 742, 00 , 14:15:03, 30-Jul-2018
22, 12.76, 27.5, 43, 742, 00 , 14:30:03, 30-Jul-2018
23, 17.62, 26.8, 48, 742, 00 , 14:45:03, 30-Jul-2018

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"Log Period ", 00:15:00
"Number ", 23
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 72.361345
"Max Disp @ ", 14:31:01 30-Jul-2018
"Max STEL ", 13.806036
"Max STEL @ ", 14:45:03 30-Jul-2018
"Avg point ", 9.095685
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 13.40, 19.0, 63, 744, 03 , 09:15:03, 30-Jul-2018
2, 10.76, 19.8, 60, 744, 00 , 09:30:03, 30-Jul-2018
3, 9.49, 20.0, 61, 744, 00 , 09:45:03, 30-Jul-2018
4, 9.49, 20.3, 62, 744, 00 , 10:00:03, 30-Jul-2018
5, 12.55, 20.9, 60, 744, 00 , 10:15:03, 30-Jul-2018
6, 8.90, 21.8, 58, 744, 00 , 10:30:03, 30-Jul-2018
7, 8.63, 22.7, 56, 742, 00 , 10:45:03, 30-Jul-2018
8, 8.63, 23.5, 54, 744, 00 , 11:00:03, 30-Jul-2018
9, 8.48, 24.0, 54, 742, 00 , 11:15:03, 30-Jul-2018
10, 12.50, 24.7, 54, 742, 00 , 11:30:03, 30-Jul-2018
11, 8.57, 25.9, 51, 742, 00 , 11:45:03, 30-Jul-2018
12, 8.52, 26.9, 49, 742, 00 , 12:00:03, 30-Jul-2018
13, 8.70, 27.8, 47, 742, 00 , 12:15:03, 30-Jul-2018
14, 8.50, 28.5, 44, 742, 00 , 12:30:03, 30-Jul-2018
15, 8.73, 29.0, 42, 742, 00 , 12:45:03, 30-Jul-2018
16, 8.41, 29.5, 41, 742, 00 , 13:00:03, 30-Jul-2018
17, 7.71, 30.1, 39, 742, 00 , 13:15:03, 30-Jul-2018
18, 6.47, 30.6, 36, 742, 00 , 13:30:03, 30-Jul-2018
19, 5.85, 30.8, 35, 742, 00 , 13:45:03, 30-Jul-2018
20, 8.88, 31.2, 33, 742, 00 , 14:00:03, 30-Jul-2018
21, 6.15, 30.9, 33, 742, 00 , 14:15:03, 30-Jul-2018
22, 6.05, 30.2, 35, 742, 00 , 14:30:03, 30-Jul-2018
23, 13.81, 28.8, 39, 742, 00 , 14:45:03, 30-Jul-2018

>"Model Number", "PDR-1500", 01.34
"Serial no. ", "0115248912"
"Tag Number ", 43
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"Start Date ", 30-Jul-2018
"Log Period ", 00:15:00
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DAILY OBSERVATION REPORT

Report No.:	52	Project File:	MN0832D	Date:	7/31/2018

Geosyntec consultants
engineers | scientists | innovators

Beech and Bonaparte engineering p.c.
an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler
CQA Representative: James Burnett
Site Representative: Ashwin Ranna
Contractor: Recon
Health & Safety: Ashwin Ranna

Arrive at Site: 0700hrs. Leave Site: 1930hrs.

Weather and Site Conditions

General Description:	Clear and Sunny	am	Overcast, Light to heavy rain	Pm
Temperature:	69° F	am	~80° F	Pm
Wind Direction:	Calm	am	6 SSW	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☒	No ☐	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 52 Project File: MN0832D Date: 7/31/2018

Materials Imported and Removed from Work Areas

As of 31 July 2018:

TSCA Soil Removal:

Total Loads today: 12 Total Loads to date: 261

Weight: 22 tons/each Total Weight to date: ~6310 Tons

Non Haz Soil Removal:

Total Loads today: 12 Total Loads to date: 74

Weight: 20 tons/each Total Weight to date: ~1480Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 15

Weight: 0 Tons Total Weight to date: ~293 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: 0 Tons Total Weight to date: 132 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~210

Weight: ~22 Tons/each Total Weight to date: ~4601Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	52	Project File:	MN0832D	Date:	7/31/2018

Summary of Events

AM

- Geosyntec arrived on site at 0700. Attended Recon safety meeting. Recon planned to continue TSCA loadout and Non Haz loadout and excavate Non-Haz material in the North Eastern section of the site. Geosyntec calibrated and deployed dust monitors
- Geosyntec held the safety tailgate meeting and planned the day's activities, including reviewing samples to be collected. Geosyntec continued sampling and labelling throughout the day. Geosyntec personnel were assigned to the MSA for Non Haz loading and the RPL for TSCA loadout and backfill CQA.
- TSCA truck and Non Haz truck loading took place throughout the day.
- Geosyntec attended the site team meeting at 0930 till 1015. Work plans were reviewed, and critical items were identified.
- School contractor was not on site working within the excavation area. A dust monitor was deployed at the RPL at the boundary between the handed over Phase 1 and phase 2 on the site.
- Recon sprayed water around the site multiple times during the day. Reuse material from the MSA was brought to the RPL and compacted.
- An unknown pipe was located during the excavation along the southern fence line. The pipe runs N-S parallel to the water line and appears to be made of the same material and diameter the water line. The present plan is to treat the pipe as a live stub and continue to expose and support the utility as needed.

PM

- Samples collected were packed and prepare to be shipped.
- Scott Williams arrived on site at 1230 and inspected the site till 1545. He took photos of the excavation progress and inspected the unknown water line.
- Material for TSCA was excavated and prepared for loadout.
- Recon began excavation in the Non Haz 0-2 layer in the north east of the site at SSHS-B368. Soils were transported to the MSA for further waste characterization as requested by the receiving facility.
- Excavation within the RPL continued till the end of the day. Majority of personnel were offsite by 1630. A small crew remained to complete the excavation in the north east corner. Material from the 2017 ECSD CIP construction that has been staged in north east of the RPL was added to the TSCA pile for off-site transport and disposal.
- Recon shut down site and left at 1730.
- AR completed a SWPPP inspection and checked sumps and silt fences. Geosyntec continued to pack samples till 1830. GWK left site to ship samples at 1830. Generator was left running as rain was expected overnight and sump pump would require power. Dust monitors were collected, and data downloaded.
- Geosyntec left site at 1930.

Report No.: 52 Project File: MN0832D Date: 7/31/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Brian Kilkenny
- Bryan Balog
- Scott Earley
- Addison Hofferth
- Rich Tonnucour
- (Recon labor) X15

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	NYSDEC	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: NA

ITEMS OF CONCERN:

Monitor 3 at the RPL shows high readings. These are caused during the excavation of the (old)Truck wash material immediately adjacent to where the monitor was stationed. Water could not be sprayed as space within was very tight. No visible dust was observed leaving site.

NYSEG representative from last week returned to site and again voiced concerns about exposure. A copy of the NYSDEC handout was provided to her.

DAILY OBSERVATION REPORT

Report No.:	52	Project File:	MN0832D	Date:	7/31/2018

Site Representative: Ashwin Ranna

Date: 7/31/2018

Name (Signature):



Report No.: 52 Project File: MN0832D Date: 7/31/2018

Photo Log

Date : 7/31/2018



Loading non Haz material to the MSA



Excavating TSCA material around utilities with mini excavator



Decon of water truck leaving MSA



Unidentified pipe (pink) next to water line

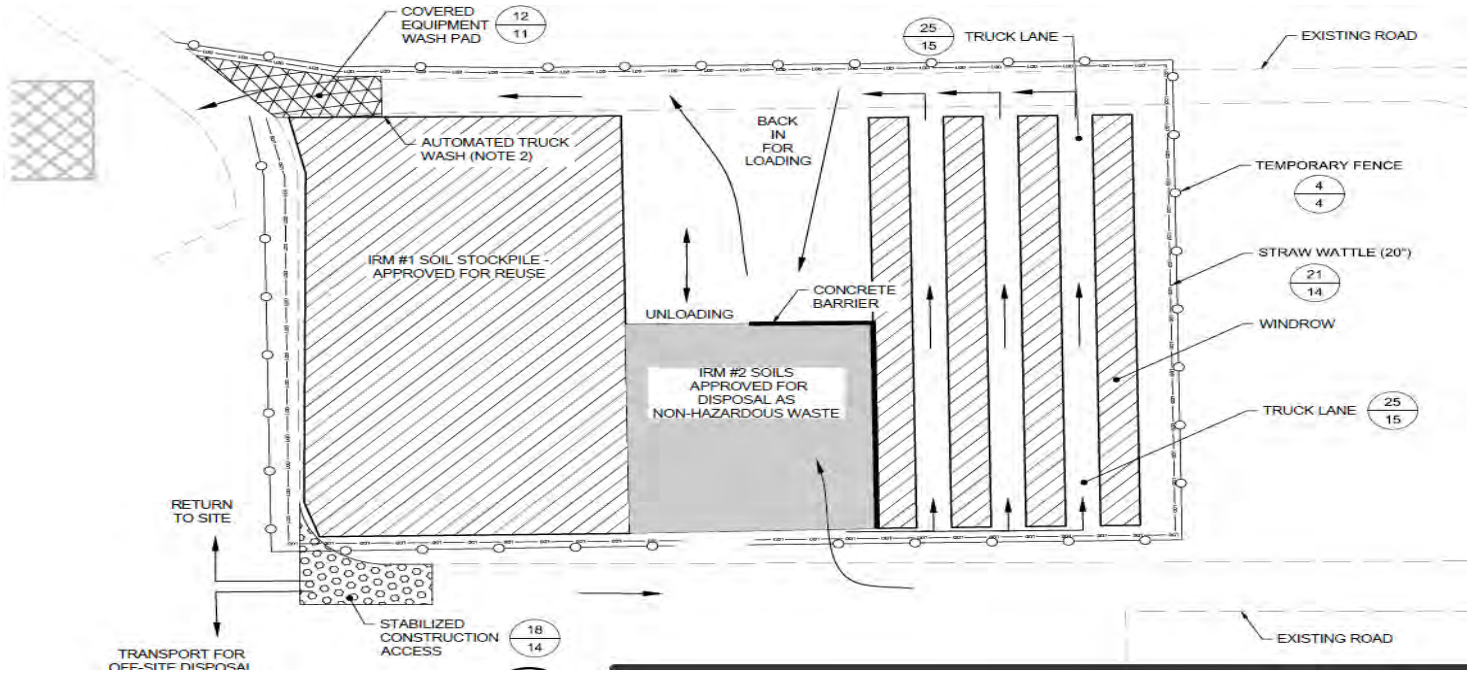
Report No.:	52	Project File:	MN0832D	Date:	7/31/2018

Site Map

Rear Parking Lot

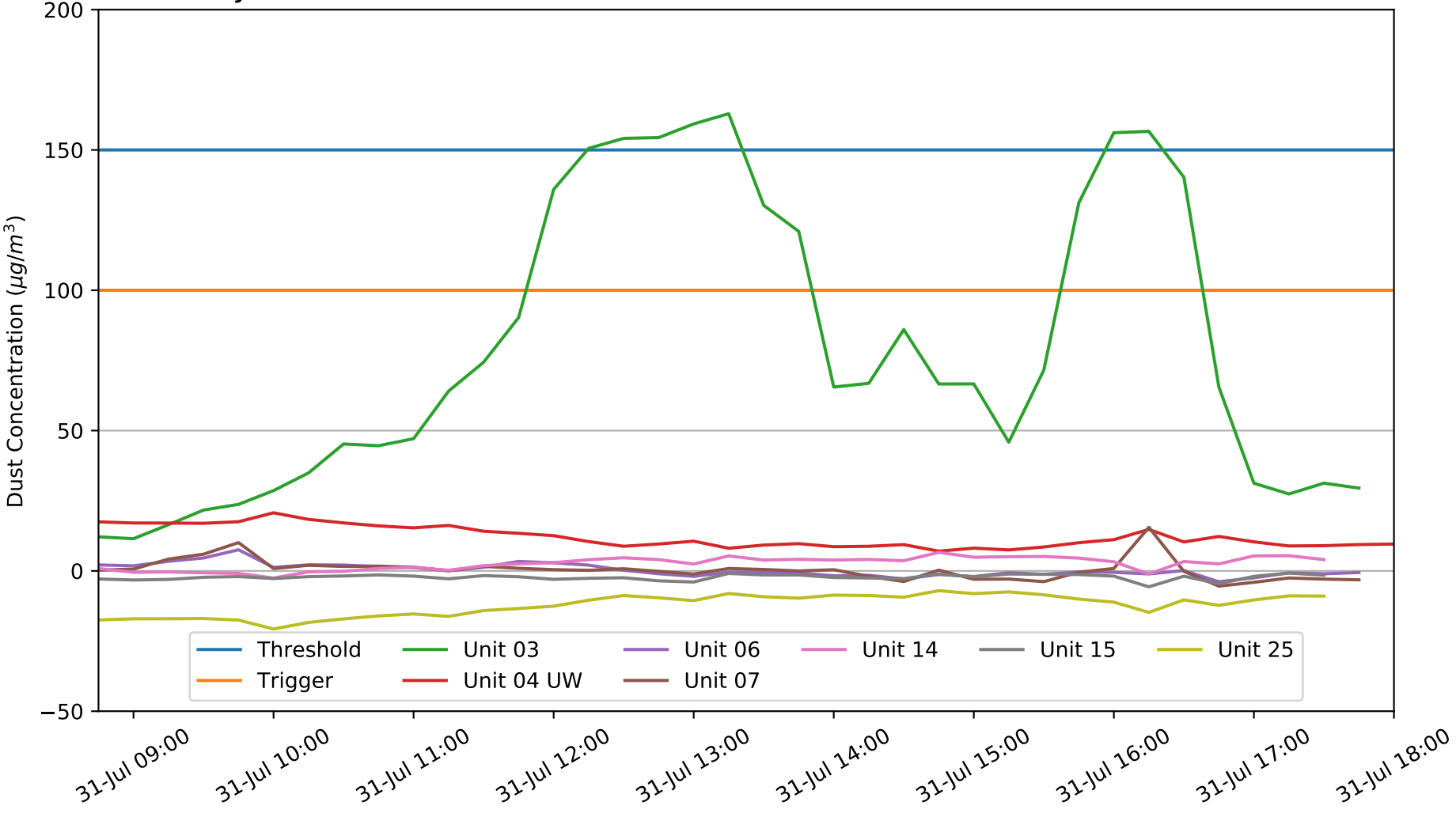


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 31-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 31-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 03	Unit 06	Unit 07	Unit 25	Unit 04 UW	Unit 15	Unit 14	Threshold	Trigger
2018-07-31 08:45:00	12.13	2.13	0.27	-17.48	17.48	-2.88	0.84	150	100
2018-07-31 09:00:00	11.47	1.82	0.65	-17.07	17.07	-3.24	-0.5	150	100
2018-07-31 09:15:00	16.46	3.41	4.2	-17.05	17.05	-3.04	-0.36	150	100
2018-07-31 09:30:00	21.68	4.6	5.95	-16.97	16.97	-2.27	-0.67	150	100
2018-07-31 09:45:00	23.71	7.53	10.08	-17.52	17.52	-2.02	-0.9	150	100
2018-07-31 10:00:00	28.61	1.24	0.83	-20.7	20.7	-2.72	-2.55	150	100
2018-07-31 10:15:00	34.92	2.17	2	-18.36	18.36	-2.05	-0.32	150	100
2018-07-31 10:30:00	45.23	2.09	1.6	-17.1	17.1	-1.81	-0.15	150	100
2018-07-31 10:45:00	44.6	1.53	1.71	-16.04	16.04	-1.44	0.88	150	100
2018-07-31 11:00:00	47.11	1.35	1.18	-15.34	15.34	-1.86	1.24	150	100
2018-07-31 11:15:00	64.08	0.07	0.04	-16.2	16.2	-2.82	0.22	150	100
2018-07-31 11:30:00	74.37	1.31	1.62	-14.13	14.13	-1.68	1.86	150	100
2018-07-31 11:45:00	90.28	3.37	0.92	-13.4	13.4	-2.08	2.5	150	100
2018-07-31 12:00:00	135.92	2.88	0.45	-12.56	12.56	-3	2.94	150	100
2018-07-31 12:15:00	150.58	2.05	0.2	-10.45	10.45	-2.63	3.99	150	100
2018-07-31 12:30:00	154.12	0.24	0.77	-8.78	8.78	-2.44	4.67	150	100
2018-07-31 12:45:00	154.4	-1.01	-0.17	-9.59	9.59	-3.54	4.02	150	100
2018-07-31 13:00:00	159.27	-1.94	-1.1	-10.59	10.59	-3.96	2.45	150	100
2018-07-31 13:15:00	162.91	-0.45	0.86	-8.07	8.07	-0.91	5.33	150	100
2018-07-31 13:30:00	130.26	-0.49	0.51	-9.21	9.21	-1.43	3.87	150	100
2018-07-31 13:45:00	120.99	-0.71	-0.02	-9.71	9.71	-1.44	4.12	150	100
2018-07-31 14:00:00	65.51	-1.75	0.42	-8.62	8.62	-2.36	3.86	150	100
2018-07-31 14:15:00	66.84	-1.55	-1.93	-8.77	8.77	-2.53	4.08	150	100
2018-07-31 14:30:00	86	-2.9	-3.78	-9.36	9.36	-2.75	3.63	150	100
2018-07-31 14:45:00	66.6	-1.28	0.27	-7.04	7.04	-1.12	6.6	150	100
2018-07-31 15:00:00	66.62	-2	-2.98	-8.11	8.11	-2.11	4.88	150	100
2018-07-31 15:15:00	45.86	-0.64	-2.91	-7.48	7.48	-1.11	5.05	150	100
2018-07-31 15:30:00	71.55	-1.2	-3.83	-8.52	8.52	-1.21	5.14	150	100
2018-07-31 15:45:00	131.17	-0.38	-0.47	-10.05	10.05	-1.31	4.56	150	100
2018-07-31 16:00:00	156.13	-0.51	0.86	-11.13	11.13	-1.86	3.26	150	100
2018-07-31 16:15:00	156.63	-1.07	15.52	-14.78	14.78	-5.67	-1.11	150	100
2018-07-31 16:30:00	140.27	0.13	-0.16	-10.32	10.32	-1.89	3.34	150	100
2018-07-31 16:45:00	65.51	-3.86	-5.44	-12.27	12.27	-4.58	2.49	150	100
2018-07-31 17:00:00	31.24	-2.47	-4.06	-10.35	10.35	-1.95	5.35	150	100
2018-07-31 17:15:00	27.41	-0.68	-2.53	-8.89	8.89	-0.78	5.41	150	100
2018-07-31 17:30:00	31.26	-1.02	-2.93	-8.98	8.98	-1.53	4.03	150	100
2018-07-31 17:45:00	29.51	-0.58	-3.17		9.38			150	100
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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 17.75, 22.7, 70, 744, 01 , 08:45:03, 31-Jul-2018
2, 17.72, 23.0, 69, 744, 00 , 09:00:03, 31-Jul-2018
3, 21.25, 23.3, 67, 744, 00 , 09:15:03, 31-Jul-2018
4, 22.92, 24.1, 66, 744, 00 , 09:30:03, 31-Jul-2018
5, 27.60, 24.9, 64, 744, 00 , 09:45:03, 31-Jul-2018
6, 21.53, 26.1, 60, 744, 00 , 10:00:03, 31-Jul-2018
7, 20.36, 26.2, 60, 744, 00 , 10:15:03, 31-Jul-2018
8, 18.70, 26.6, 60, 742, 00 , 10:30:03, 31-Jul-2018
9, 17.75, 27.2, 58, 742, 00 , 10:45:03, 31-Jul-2018
10, 16.52, 27.3, 59, 742, 00 , 11:00:03, 31-Jul-2018
11, 16.24, 28.0, 57, 742, 00 , 11:15:03, 31-Jul-2018
12, 15.75, 28.8, 54, 742, 00 , 11:30:03, 31-Jul-2018
13, 14.32, 29.9, 51, 742, 00 , 11:45:03, 31-Jul-2018
14, 13.01, 31.1, 48, 742, 00 , 12:00:03, 31-Jul-2018
15, 10.65, 32.1, 44, 742, 00 , 12:15:03, 31-Jul-2018
16, 9.55, 33.3, 40, 742, 00 , 12:30:03, 31-Jul-2018
17, 9.42, 34.2, 39, 742, 00 , 12:45:03, 31-Jul-2018
18, 9.49, 34.6, 37, 742, 00 , 13:00:03, 31-Jul-2018
19, 8.93, 34.5, 37, 742, 00 , 13:15:03, 31-Jul-2018
20, 9.72, 33.6, 40, 742, 00 , 13:30:03, 31-Jul-2018
21, 9.69, 33.7, 39, 742, 00 , 13:45:03, 31-Jul-2018
22, 9.04, 33.7, 38, 742, 00 , 14:00:03, 31-Jul-2018
23, 6.84, 34.2, 38, 742, 00 , 14:15:03, 31-Jul-2018
24, 5.58, 34.8, 36, 742, 00 , 14:30:03, 31-Jul-2018
25, 7.31, 35.0, 35, 742, 00 , 14:45:03, 31-Jul-2018
26, 5.13, 35.7, 33, 742, 00 , 15:00:03, 31-Jul-2018
27, 4.57, 35.0, 35, 742, 00 , 15:15:03, 31-Jul-2018
28, 4.69, 34.5, 38, 742, 00 , 15:30:03, 31-Jul-2018
29, 9.58, 34.6, 38, 742, 00 , 15:45:03, 31-Jul-2018
30, 11.99, 34.6, 39, 742, 00 , 16:00:03, 31-Jul-2018
31, 30.30, 34.0, 39, 742, 00 , 16:15:03, 31-Jul-2018
32, 10.16, 33.4, 40, 742, 00 , 16:30:03, 31-Jul-2018
33, 6.83, 33.2, 40, 742, 00 , 16:45:03, 31-Jul-2018
34, 6.29, 32.6, 40, 742, 00 , 17:00:03, 31-Jul-2018
35, 6.36, 31.9, 42, 742, 00 , 17:15:03, 31-Jul-2018
36, 6.05, 31.2, 44, 742, 00 , 17:30:03, 31-Jul-2018
37, 6.21, 30.7, 46, 742, 00 , 17:45:03, 31-Jul-2018

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"Serial no. ", "0115249168"
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"Log Period ", 00:15:00
"Number   ", 10
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"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 0.000000
"Max Disp @ ", 10:59:31 31-Jul-2018
"Max STEL   ", 0.000000
"Max STEL @ ", 11:00:03 31-Jul-2018
"Avg point ", 0.000000
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 0.00, 19.4, 63, 744, 01 , 08:45:03, 31-Jul-2018
2, 0.00, 19.3, 64, 744, 01 , 09:00:03, 31-Jul-2018
3, 0.00, 19.5, 64, 744, 00 , 09:15:03, 31-Jul-2018
4, 0.00, 20.0, 63, 744, 00 , 09:30:03, 31-Jul-2018
5, 0.00, 20.8, 61, 744, 00 , 09:45:03, 31-Jul-2018
6, 0.00, 21.5, 59, 744, 00 , 10:00:03, 31-Jul-2018
7, 0.00, 22.1, 58, 744, 00 , 10:15:03, 31-Jul-2018
8, 0.00, 23.1, 55, 744, 01 , 10:30:03, 31-Jul-2018
9, 0.00, 23.7, 53, 744, 00 , 10:45:03, 31-Jul-2018
10, 0.00, 24.2, 52, 742, 00 , 11:00:03, 31-Jul-2018
1, 0.00, 25.4, 44, 738, 01 , 11:23:54, 31-Jul-2018
2, 0.00, 26.6, 44, 742, 00 , 11:38:54, 31-Jul-2018
3, 0.00, 27.7, 41, 742, 00 , 11:53:54, 31-Jul-2018
4, 0.00, 28.6, 38, 742, 00 , 12:08:54, 31-Jul-2018
5, 0.00, 29.2, 36, 742, 00 , 12:23:54, 31-Jul-2018
6, 0.00, 29.9, 33, 742, 01 , 12:38:54, 31-Jul-2018
7, 0.00, 30.6, 32, 742, 00 , 12:53:54, 31-Jul-2018
8, 0.00, 30.6, 31, 742, 01 , 13:08:54, 31-Jul-2018
9, 0.00, 30.3, 32, 742, 01 , 13:23:54, 31-Jul-2018
10, 0.00, 30.0, 34, 742, 01 , 13:38:54, 31-Jul-2018
11, 0.00, 29.8, 33, 742, 01 , 13:53:54, 31-Jul-2018
12, 0.00, 29.9, 33, 742, 00 , 14:08:54, 31-Jul-2018
13, 0.00, 31.1, 30, 742, 01 , 14:23:54, 31-Jul-2018
14, 0.00, 31.2, 28, 742, 01 , 14:38:54, 31-Jul-2018
15, 0.00, 31.7, 27, 742, 00 , 14:53:54, 31-Jul-2018
16, 0.00, 31.1, 27, 742, 00 , 15:08:54, 31-Jul-2018
17, 0.00, 30.4, 32, 742, 01 , 15:23:54, 31-Jul-2018
18, 0.00, 30.5, 33, 742, 01 , 15:38:54, 31-Jul-2018
19, 0.00, 31.0, 31, 742, 00 , 15:53:54, 31-Jul-2018
20, 0.00, 31.1, 31, 742, 00 , 16:08:54, 31-Jul-2018
21, 0.00, 30.7, 31, 742, 01 , 16:23:54, 31-Jul-2018
22, 0.00, 30.5, 32, 742, 01 , 16:38:54, 31-Jul-2018
23, 0.00, 29.6, 32, 742, 01 , 16:53:54, 31-Jul-2018
24, 0.00, 28.3, 35, 742, 01 , 17:08:54, 31-Jul-2018
25, 0.00, 27.4, 37, 742, 00 , 17:23:54, 31-Jul-2018
26, 0.00, 26.7, 40, 742, 00 , 17:38:54, 31-Jul-2018

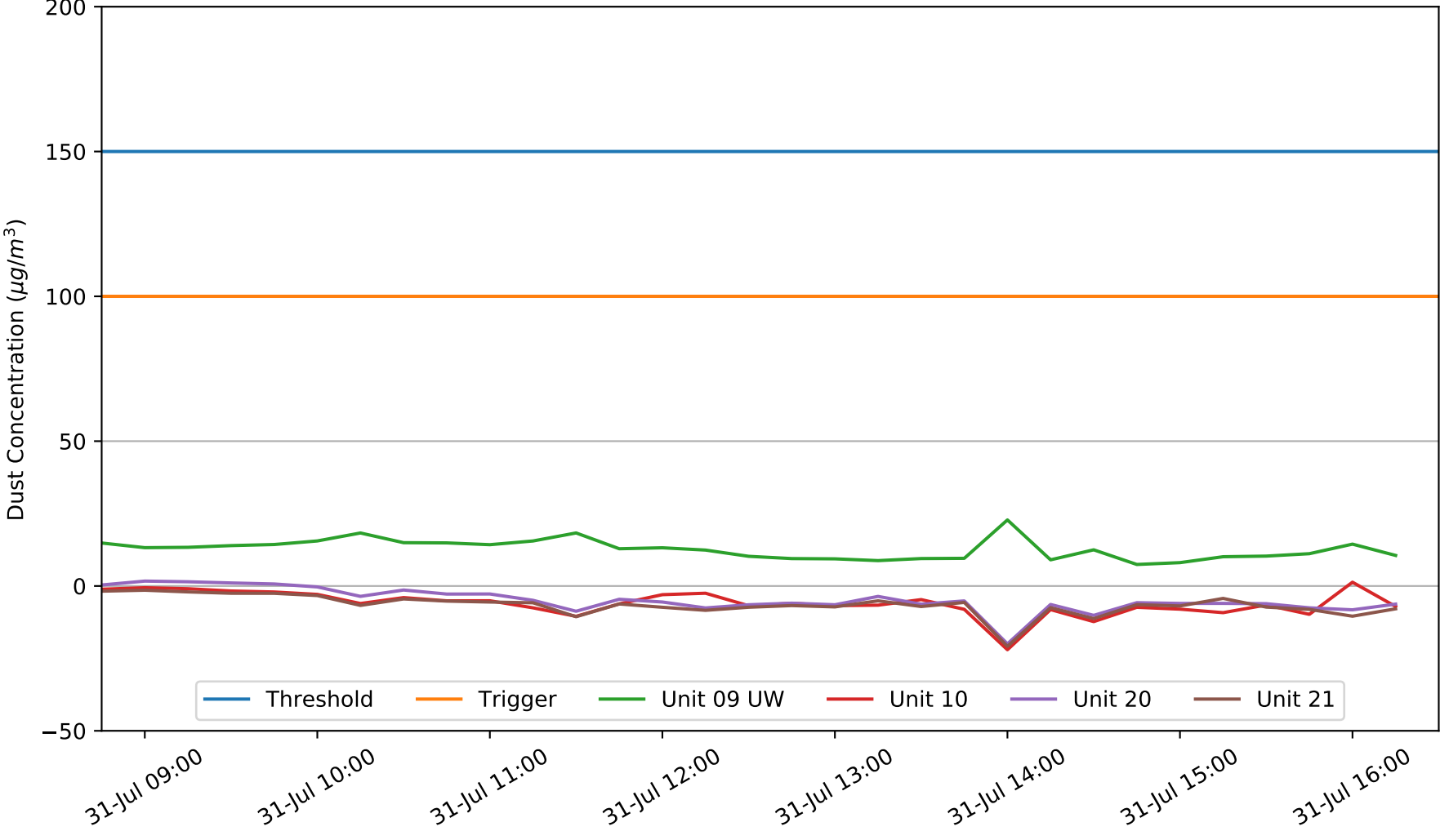
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"Unit   ", 0
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"Max STEL   ", 20.762639
"Max STEL @ ", 10:05:23 31-Jul-2018
"Avg point ", 12.103899
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 17.48, 22.1, 74, 744, 01 , 08:45:03, 31-Jul-2018
2, 17.07, 22.3, 74, 744, 01 , 09:00:03, 31-Jul-2018
3, 17.05, 22.6, 73, 744, 01 , 09:15:03, 31-Jul-2018
4, 16.97, 23.4, 72, 744, 01 , 09:30:03, 31-Jul-2018
5, 17.52, 24.6, 68, 744, 01 , 09:45:03, 31-Jul-2018
6, 20.70, 25.3, 65, 744, 01 , 10:00:03, 31-Jul-2018
7, 18.36, 25.8, 64, 744, 01 , 10:15:03, 31-Jul-2018
8, 17.10, 27.0, 61, 744, 01 , 10:30:03, 31-Jul-2018
9, 16.04, 27.6, 58, 744, 01 , 10:45:03, 31-Jul-2018
10, 15.34, 28.3, 57, 744, 01 , 11:00:03, 31-Jul-2018
11, 16.20, 29.2, 54, 744, 01 , 11:15:03, 31-Jul-2018
12, 14.13, 29.8, 52, 744, 01 , 11:30:03, 31-Jul-2018
13, 13.40, 30.5, 51, 744, 01 , 11:45:03, 31-Jul-2018
14, 12.56, 31.8, 47, 744, 01 , 12:00:03, 31-Jul-2018
15, 10.45, 32.4, 44, 744, 01 , 12:15:03, 31-Jul-2018
16, 8.78, 32.5, 42, 744, 01 , 12:30:03, 31-Jul-2018
17, 9.59, 33.1, 42, 744, 01 , 12:45:03, 31-Jul-2018
18, 10.59, 33.4, 40, 744, 01 , 13:00:03, 31-Jul-2018
19, 8.07, 33.5, 40, 744, 01 , 13:15:03, 31-Jul-2018
20, 9.21, 33.1, 42, 744, 01 , 13:30:03, 31-Jul-2018
21, 9.71, 33.4, 41, 744, 01 , 13:45:03, 31-Jul-2018
22, 8.62, 33.2, 41, 744, 01 , 14:00:03, 31-Jul-2018
23, 8.77, 33.4, 40, 744, 01 , 14:15:03, 31-Jul-2018
24, 9.36, 34.1, 38, 744, 01 , 14:30:03, 31-Jul-2018
25, 7.04, 33.9, 37, 744, 01 , 14:45:03, 31-Jul-2018
26, 8.11, 33.8, 37, 744, 01 , 15:00:03, 31-Jul-2018
27, 7.48, 33.4, 39, 744, 01 , 15:15:03, 31-Jul-2018
28, 8.52, 33.4, 42, 744, 01 , 15:30:03, 31-Jul-2018
29, 10.05, 33.7, 42, 744, 01 , 15:45:03, 31-Jul-2018
30, 11.13, 34.5, 41, 744, 01 , 16:00:03, 31-Jul-2018
31, 14.78, 34.7, 39, 744, 01 , 16:15:03, 31-Jul-2018
32, 10.32, 34.8, 39, 744, 01 , 16:30:03, 31-Jul-2018
33, 12.27, 34.5, 38, 744, 01 , 16:45:03, 31-Jul-2018
34, 10.35, 33.5, 39, 744, 01 , 17:00:03, 31-Jul-2018
35, 8.89, 32.0, 42, 744, 01 , 17:15:03, 31-Jul-2018
36, 8.98, 31.1, 45, 744, 01 , 17:30:03, 31-Jul-2018
37, 9.38, 30.4, 47, 744, 01 , 17:45:03, 31-Jul-2018
38, 9.57, 29.5, 50, 742, 01 , 18:00:03, 31-Jul-2018

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"Serial no. ", "0115250029"
"Tag Number ", 9
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"Unit   ", 0
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"RH CORRECT ", "ENABLED "
"Max Disp   ", 23.103716
"Max Disp @ ", 09:45:19 31-Jul-2018
"Max STEL   ", 18.259169
"Max STEL @ ", 09:59:23 31-Jul-2018
"Avg point ", 9.971297
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 14.60, 21.7, 79, 742, 05 , 08:45:03, 31-Jul-2018
2, 13.83, 21.8, 79, 742, 00 , 09:00:03, 31-Jul-2018
3, 14.01, 22.1, 79, 742, 00 , 09:15:03, 31-Jul-2018
4, 14.70, 23.1, 75, 742, 00 , 09:30:03, 31-Jul-2018
5, 15.50, 24.2, 71, 742, 00 , 09:45:03, 31-Jul-2018
6, 17.98, 25.7, 66, 742, 00 , 10:00:03, 31-Jul-2018
7, 16.31, 26.4, 64, 742, 00 , 10:15:03, 31-Jul-2018
8, 15.29, 27.7, 60, 742, 00 , 10:30:03, 31-Jul-2018
9, 14.60, 28.7, 57, 742, 00 , 10:45:03, 31-Jul-2018
10, 13.48, 29.5, 54, 742, 00 , 11:00:03, 31-Jul-2018
11, 13.38, 30.7, 51, 742, 00 , 11:15:03, 31-Jul-2018
12, 12.45, 31.6, 50, 742, 00 , 11:30:03, 31-Jul-2018
13, 11.32, 33.5, 45, 742, 00 , 11:45:03, 31-Jul-2018
14, 9.56, 36.7, 39, 742, 00 , 12:00:03, 31-Jul-2018
15, 7.82, 38.1, 35, 742, 00 , 12:15:03, 31-Jul-2018
16, 6.34, 40.2, 31, 742, 00 , 12:30:03, 31-Jul-2018
17, 6.05, 41.7, 29, 740, 00 , 12:45:03, 31-Jul-2018
18, 6.63, 42.5, 28, 740, 00 , 13:00:03, 31-Jul-2018
19, 7.16, 41.1, 29, 740, 00 , 13:15:03, 31-Jul-2018
20, 7.78, 38.9, 33, 740, 00 , 13:30:03, 31-Jul-2018
21, 8.27, 37.7, 35, 740, 00 , 13:45:03, 31-Jul-2018
22, 6.26, 36.6, 37, 740, 00 , 14:00:03, 31-Jul-2018
23, 6.24, 36.5, 37, 740, 00 , 14:15:03, 31-Jul-2018
24, 6.61, 37.1, 35, 740, 00 , 14:30:03, 31-Jul-2018
25, 5.92, 36.9, 35, 740, 00 , 14:45:03, 31-Jul-2018
26, 6.00, 37.3, 34, 740, 00 , 15:00:03, 31-Jul-2018
27, 6.37, 36.3, 36, 740, 00 , 15:15:03, 31-Jul-2018
28, 7.31, 35.6, 39, 740, 00 , 15:30:03, 31-Jul-2018
29, 8.74, 35.7, 39, 740, 00 , 15:45:03, 31-Jul-2018
30, 9.27, 35.3, 40, 740, 00 , 16:00:03, 31-Jul-2018
31, 9.11, 34.7, 41, 740, 00 , 16:15:03, 31-Jul-2018
32, 8.43, 34.3, 41, 740, 00 , 16:30:03, 31-Jul-2018
33, 7.69, 34.2, 41, 740, 00 , 16:45:03, 31-Jul-2018
34, 8.40, 33.2, 42, 740, 00 , 17:00:03, 31-Jul-2018
35, 8.11, 32.2, 44, 740, 00 , 17:15:03, 31-Jul-2018
36, 7.45, 31.3, 47, 740, 00 , 17:30:03, 31-Jul-2018

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"Tag Number ", 32
"Start Time ", 08:30:03
"Start Date ", 31-Jul-2018
"Log Period ", 00:15:00
"Number   ", 36
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"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 26.953359
"Max Disp @ ", 16:58:10 31-Jul-2018
"Max STEL   ", 18.406717
"Max STEL @ ", 10:04:03 31-Jul-2018
"Avg point ", 14.862532
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 18.32, 20.5, 77, 742, 01 , 08:45:03, 31-Jul-2018
2, 16.57, 20.4, 79, 742, 00 , 09:00:03, 31-Jul-2018
3, 16.69, 20.4, 80, 742, 00 , 09:15:03, 31-Jul-2018
4, 16.30, 20.9, 80, 742, 00 , 09:30:03, 31-Jul-2018
5, 16.62, 21.4, 78, 742, 00 , 09:45:03, 31-Jul-2018
6, 18.15, 22.2, 76, 742, 00 , 10:00:03, 31-Jul-2018
7, 18.04, 22.4, 76, 742, 00 , 10:15:03, 31-Jul-2018
8, 16.95, 23.1, 74, 742, 00 , 10:30:03, 31-Jul-2018
9, 16.92, 23.7, 71, 742, 00 , 10:45:03, 31-Jul-2018
10, 16.58, 24.1, 70, 742, 00 , 11:00:03, 31-Jul-2018
11, 16.42, 24.9, 68, 742, 00 , 11:15:03, 31-Jul-2018
12, 15.99, 25.5, 66, 742, 00 , 11:30:03, 31-Jul-2018
13, 15.90, 26.6, 63, 742, 00 , 11:45:03, 31-Jul-2018
14, 15.50, 28.0, 59, 742, 00 , 12:00:03, 31-Jul-2018
15, 14.44, 28.6, 55, 742, 00 , 12:15:03, 31-Jul-2018
16, 13.45, 29.2, 51, 742, 00 , 12:30:03, 31-Jul-2018
17, 13.61, 29.8, 50, 742, 00 , 12:45:03, 31-Jul-2018
18, 13.04, 30.4, 47, 740, 00 , 13:00:03, 31-Jul-2018
19, 13.40, 30.1, 48, 740, 00 , 13:15:03, 31-Jul-2018
20, 13.08, 29.3, 50, 740, 00 , 13:30:03, 31-Jul-2018
21, 13.83, 29.5, 50, 740, 00 , 13:45:03, 31-Jul-2018
22, 12.48, 29.5, 49, 740, 00 , 14:00:03, 31-Jul-2018
23, 12.85, 30.3, 47, 740, 00 , 14:15:03, 31-Jul-2018
24, 12.99, 31.8, 43, 740, 00 , 14:30:03, 31-Jul-2018
25, 13.64, 31.5, 42, 740, 00 , 14:45:03, 31-Jul-2018
26, 12.99, 31.5, 41, 740, 00 , 15:00:03, 31-Jul-2018
27, 12.53, 30.6, 44, 740, 00 , 15:15:03, 31-Jul-2018
28, 13.66, 30.2, 47, 740, 00 , 15:30:03, 31-Jul-2018
29, 14.61, 30.2, 48, 740, 00 , 15:45:03, 31-Jul-2018
30, 14.39, 29.9, 49, 740, 00 , 16:00:03, 31-Jul-2018
31, 13.67, 29.4, 50, 740, 00 , 16:15:03, 31-Jul-2018
32, 13.66, 29.6, 49, 740, 00 , 16:30:03, 31-Jul-2018
33, 14.76, 29.3, 49, 740, 00 , 16:45:03, 31-Jul-2018
34, 15.70, 28.9, 49, 740, 00 , 17:00:03, 31-Jul-2018
35, 14.30, 28.3, 51, 740, 00 , 17:15:03, 31-Jul-2018
36, 13.01, 27.8, 53, 740, 00 , 17:30:03, 31-Jul-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 31-Jul-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 31-Jul-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 10	Unit 21	Unit 09 UW	Unit 20	Threshold	Trigger
2018-07-31 08:45:00	-1.11	-1.79	14.84	0.35	150	100
2018-07-31 09:00:00	-0.6	-1.46	13.23	1.69	150	100
2018-07-31 09:15:00	-0.94	-2.04	13.35	1.46	150	100
2018-07-31 09:30:00	-1.73	-2.51	13.94	1.05	150	100
2018-07-31 09:45:00	-2.07	-2.53	14.32	0.7	150	100
2018-07-31 10:00:00	-2.9	-3.3	15.55	-0.32	150	100
2018-07-31 10:15:00	-6.05	-6.7	18.3	-3.58	150	100
2018-07-31 10:30:00	-4.01	-4.47	14.95	-1.39	150	100
2018-07-31 10:45:00	-5.12	-5.22	14.88	-2.79	150	100
2018-07-31 11:00:00	-5.1	-5.54	14.26	-2.76	150	100
2018-07-31 11:15:00	-7.54	-5.8	15.54	-4.94	150	100
2018-07-31 11:30:00	-10.47	-10.61	18.31	-8.72	150	100
2018-07-31 11:45:00	-6.18	-6.21	12.86	-4.59	150	100
2018-07-31 12:00:00	-3	-7.35	13.19	-5.53	150	100
2018-07-31 12:15:00	-2.5	-8.4	12.4	-7.58	150	100
2018-07-31 12:30:00	-6.81	-7.34	10.25	-6.48	150	100
2018-07-31 12:45:00	-5.98	-6.76	9.46	-5.94	150	100
2018-07-31 13:00:00	-6.79	-7.22	9.37	-6.48	150	100
2018-07-31 13:15:00	-6.62	-5.12	8.76	-3.6	150	100
2018-07-31 13:30:00	-4.7	-7.09	9.47	-6.28	150	100
2018-07-31 13:45:00	-8.06	-5.68	9.55	-5.15	150	100
2018-07-31 14:00:00	-22.01	-20.83	22.81	-19.98	150	100
2018-07-31 14:15:00	-8.15	-7.48	9.03	-6.38	150	100
2018-07-31 14:30:00	-12.3	-11.26	12.49	-10.14	150	100
2018-07-31 14:45:00	-7.36	-6.44	7.43	-5.76	150	100
2018-07-31 15:00:00	-8	-6.89	8.06	-6.02	150	100
2018-07-31 15:15:00	-9.21	-4.29	10.1	-6	150	100
2018-07-31 15:30:00	-6.56	-7.29	10.32	-6.11	150	100
2018-07-31 15:45:00	-9.79	-8.08	11.15	-7.54	150	100
2018-07-31 16:00:00	1.31	-10.43	14.45	-8.23	150	100
2018-07-31 16:15:00	-7.08	-7.88	10.55	-6.26	150	100
2018-07-31 16:30:00					150	100

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"Serial no. ", "0115248913"
"Tag Number ", 16
"Start Time ", 08:30:03
"Start Date ", 31-Jul-2018
"Log Period ", 00:15:00
"Number   ", 32
"CalFactor   ", 1.000000
"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 177.912331
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"ALARM   ", "DISABLED"
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DAILY OBSERVATION REPORT

Report No.:	53	Project File:	MN0832D	Date:	08/01/2018

Geosyntec consultants

engineers | scientists | innovators

Beech and Bonaparte engineering p.c.

an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Jim Burnett

Site Representative: Ashwin Ranna

Arrive at Site: 0700hrs. Leave Site: 1800hrs.

Contractor: Recon

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Clear and Sunny	am	Overcast, Light to heavy rain	Pm
Temperature:	68° F	am	~83° F	Pm
Wind Direction:	Calm	am	8 SSW	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 53 Project File: MN0832D Date: 08/01/2018

Materials Imported and Removed from Work Areas

As of 01 August 2018:

TSCA Soil Removal:

Total Loads today: 15 Total Loads to date: 276

Weight: 22 tons/each Total Weight to date: ~6640 Tons

Non Haz Soil Removal:

Total Loads today: 21 Total Loads to date: 85

Weight: 20 -33tons/each Total Weight to date: ~2017Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 15

Weight: 0 Tons Total Weight to date: ~293 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: 0 Tons Total Weight to date: 132 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~210

Weight: ~22 Tons/each Total Weight to date: ~4601Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	53	Project File:	MN0832D	Date:	08/01/2018

Summary of Events

AM

- Geosyntec arrived on site at 0700. Attended Recon safety meeting. Recon planned to continue TSCA loadout and Non Haz loadout and excavate Non-Haz material in the North Eastern section of the site. Recon also planned to expose the gas line and complete excavation around phase 2. Geosyntec calibrated and deployed dust monitors. A dust monitor was deployed at the RPL at the boundary between the handed over Phase 1 and phase 2 on the site.
- Geosyntec held the safety tailgate meeting and planned the day's activities, including reviewing samples to be collected. Geosyntec continued sampling and labelling throughout the day. Geosyntec personnel were assigned to the MSA for Non Haz loading and the RPL for TSCA loadout and backfill CQA.
- TSCA truck and Non Haz truck loading took place throughout the day. Some flattened metal containers (trays and boxes that were open) were found in the 2-4 TSCA excavation. Work was stopped, and samples collected from the material within the containers. Samples will be analyzed for TAL metals.
- NYSEG employees were on site in the morning, they inspected the gas line within the excavation and carried out tests to determine the status of the cover.
- Approximately 11,000 gallons of water from the frac tank at the western edge of the site was shipped off offsite for disposal.
- School contractor continued installing piles within phase 1. Work continued throughout the day.
- Scott Williams of DEC arrived on site in the first half of the day. He inspected the excavation and inspected the sub slab work happening within the school.
- Non Haz material was excavated from the north east portion of the site and sent to the MSA where it was loaded for dispatch. Material from the piles 105 and 106 were sent to the reuse pile in the MSA, after reuse approval was obtained.
- Recon sprayed water around the site multiple times during the day. Reuse material from the MSA was brought to the RPL and compacted.

PM

- Samples collected were packed and prepare to be shipped.
- Scott Williams remained on site till 1500. He took photos of the excavation progress and inspected the exposed gas line.
- Material for TSCA was excavated and prepared for loadout. Sample locations for the southern side wall were identified and surveyed. Samples will be collected tomorrow.
- Excavation within the RPL continued till the end of the day. Majority of personnel were offsite by 1630. A small crew remained to complete the excavation in the north east corner.
- Heavy rain was observed on site at 1400 and radar indicated rain through 1600. Dust monitors were collected and data downloaded. No exceedances were recorded.
- Patrick Carr arrived on site around noon. He will be onsite in charge through the weekend.
- Recon shut down site and left at 1700.
- AR completed a SWPPP inspection and checked sumps and silt fences. Geosyntec continued to pack samples till 1715. GWK left site to ship samples at 1730. Generator was left running as rain was expected overnight and sump pump would require power.
- Geosyntec left site at 1800.

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Report No.:	53	Project File:	MN0832D	Date:	08/01/2018

Personnel

- Bill Abraczisnkas
- Patrick Carr
- Brian Kilkenny
- Bryan Balog
- Scott Earley
- Addison Hofferth
- Rich Tonnucour
- (Recon labor) X15

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	NYSDEC	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: NA

ITEMS OF CONCERN:

DAILY OBSERVATION REPORT

Report No.:	53	Project File:	MN0832D	Date:	08/01/2018

Site Representative: Ashwin Ranna

Date: 08/01/2018

Name (Signature):



Report No.: 53 Project File: MN0832D Date: 08/01/2018

Photo Log
Date : 08/01/2018



Preparing TSCA material for loadout



Gas line Testing



Metal containers found in 2-4 TSCA excavation



Loading of Non Haz material from MSA

Report No.: 53 Project File: MN0832D Date: 08/01/2018

Photo Log

Date : 08/01/2018

<table>
<tr><td>  </td><td>  </td></tr>
<tr><td>Miniexcavator to dig around electric and Gas lines</td><td>Concrete structure found adjacent to gas line</td></tr>
<tr><td> 
</td><td>  </td></tr>
<tr><td>Dust control measures</td><td>Unloading Non Haz material within the MSA</td></tr>
</table>

Report No.:	53	Project File:	MN0832D	Date:	08/01/2018

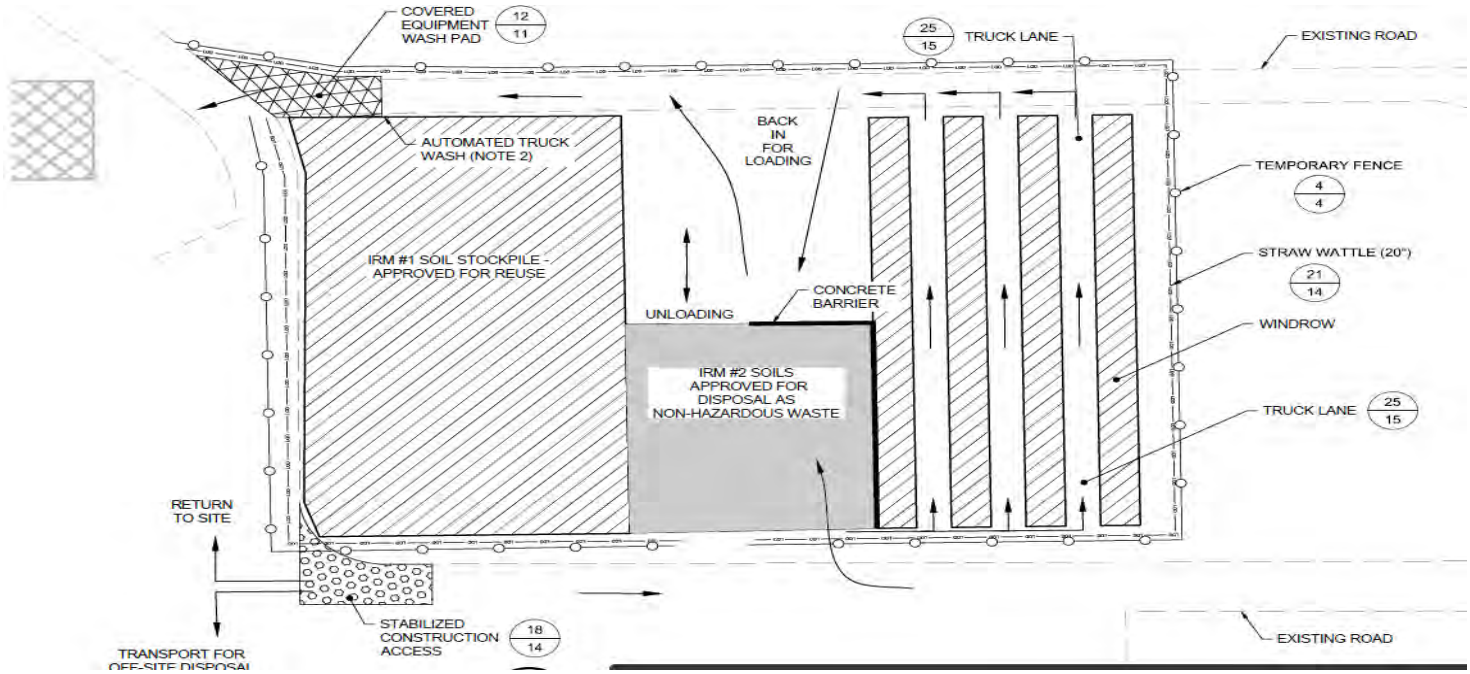
Site Map

Rear Parking Lot



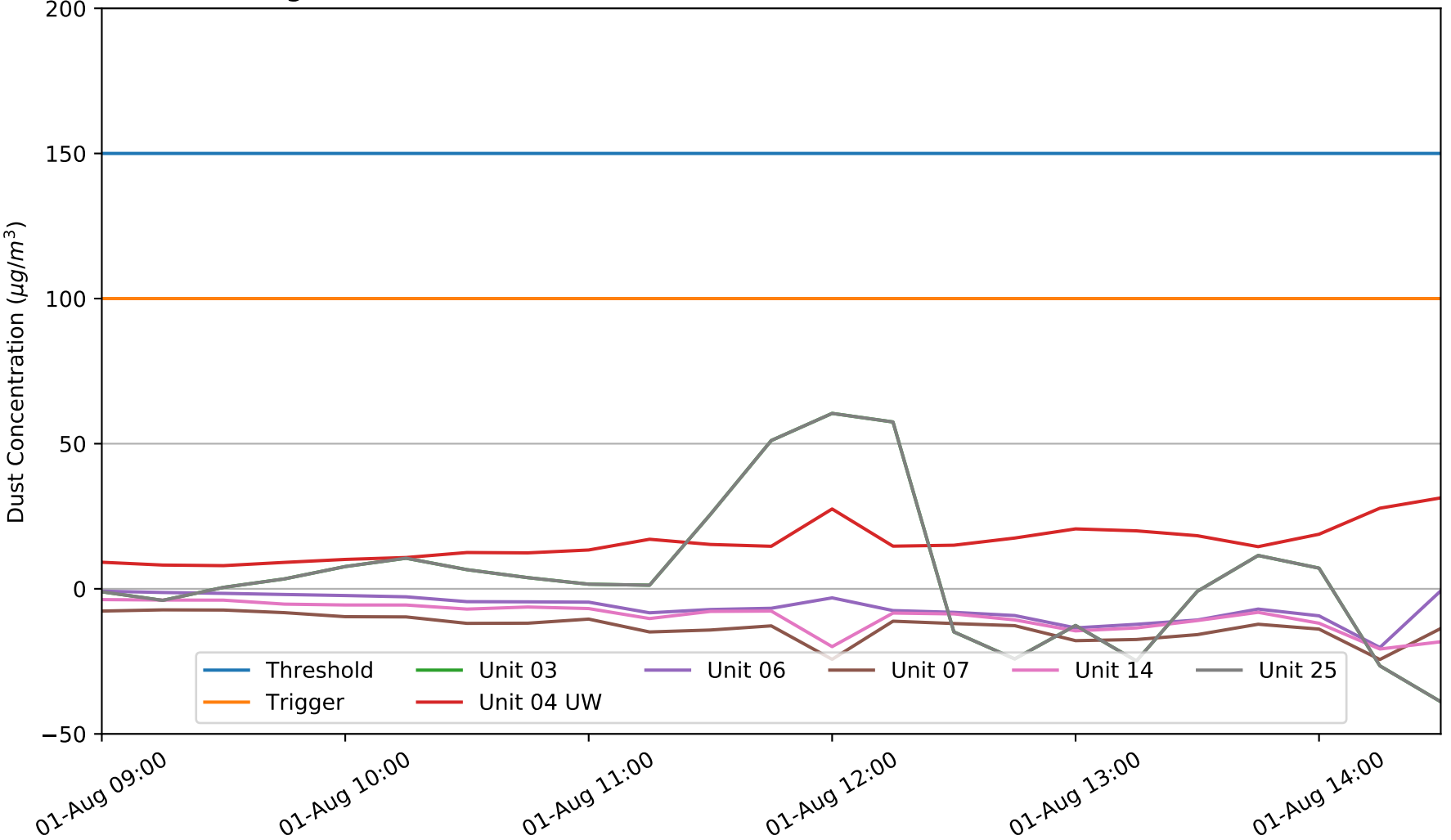
MSA

N



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 01-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 01-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 07	Unit 25	Unit 04 UW	Unit 06	Unit 14	Unit 03	Threshold	Trigger
2018-08-01 09:00:00	-7.67	-1.02	9.15	-0.81	-3.72	-1.02	150	100
2018-08-01 09:15:00	-7.26	-3.99	8.18	-1.27	-3.87	-3.99	150	100
2018-08-01 09:30:00	-7.32	0.49	7.98	-1.57	-3.91	0.49	150	100
2018-08-01 09:45:00	-8.22	3.41	9.1	-1.96	-5.28	3.41	150	100
2018-08-01 10:00:00	-9.61	7.67	10.12	-2.32	-5.58	7.67	150	100
2018-08-01 10:15:00	-9.69	10.54	10.78	-2.76	-5.59	10.54	150	100
2018-08-01 10:30:00	-11.91	6.59	12.5	-4.43	-6.99	6.59	150	100
2018-08-01 10:45:00	-11.85	3.84	12.38	-4.49	-6.28	3.84	150	100
2018-08-01 11:00:00	-10.44	1.59	13.37	-4.6	-6.81	1.59	150	100
2018-08-01 11:15:00	-14.87	1.24	17.07	-8.27	-10.25	1.24	150	100
2018-08-01 11:30:00	-14.2	25.64	15.28	-7.13	-7.79	25.64	150	100
2018-08-01 11:45:00	-12.77	51.09	14.65	-6.71	-7.67	51.09	150	100
2018-08-01 12:00:00	-24.3	60.44	27.51	-3.12	-19.93	60.44	150	100
2018-08-01 12:15:00	-11.16	57.48	14.69	-7.5	-8.36	57.48	150	100
2018-08-01 12:30:00	-11.97	-14.85	15.02	-8.1	-8.66	-14.85	150	100
2018-08-01 12:45:00	-12.7	-24.16	17.49	-9.21	-10.71	-24.16	150	100
2018-08-01 13:00:00	-17.87	-12.64	20.64	-13.46	-14.5	-12.64	150	100
2018-08-01 13:15:00	-17.47	-24.86	19.97	-12.23	-13.48	-24.86	150	100
2018-08-01 13:30:00	-15.79	-0.88	18.29	-10.75	-10.94	-0.88	150	100
2018-08-01 13:45:00	-12.21	11.48	14.52	-6.98	-8.11	11.48	150	100
2018-08-01 14:00:00	-13.88	7.12	18.8	-9.31	-11.86	7.12	150	100
2018-08-01 14:15:00	-24.36	-26.54	27.77	-20.22	-20.75	-26.54	150	100
2018-08-01 14:30:00	-13.68	-38.91	31.32	-0.71	-18.25	-38.91	150	100

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"Serial no. ", "0115250204"
"Tag Number ", 41
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"Number ", 23
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 57.256517
"Max Disp @ ", 14:27:37 01-Aug-2018
"Max STEL ", 17.639730
"Max STEL @ ", 14:30:03 01-Aug-2018
"Avg point ", 2.842449
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 1.48, 24.7, 77, 740, 01 , 09:00:03, 01-Aug-2018
2, 0.92, 24.7, 80, 740, 00 , 09:15:03, 01-Aug-2018
3, 0.66, 25.2, 78, 740, 00 , 09:30:03, 01-Aug-2018
4, 0.88, 26.5, 73, 740, 00 , 09:45:03, 01-Aug-2018
5, 0.51, 27.5, 68, 740, 00 , 10:00:03, 01-Aug-2018
6, 1.09, 27.8, 67, 740, 00 , 10:15:03, 01-Aug-2018
7, 0.59, 28.7, 64, 740, 00 , 10:30:03, 01-Aug-2018
8, 0.53, 29.3, 61, 740, 00 , 10:45:03, 01-Aug-2018
9, 2.93, 30.4, 58, 740, 00 , 11:00:03, 01-Aug-2018
10, 2.20, 31.6, 54, 740, 00 , 11:15:03, 01-Aug-2018
11, 1.08, 33.5, 48, 740, 00 , 11:30:03, 01-Aug-2018
12, 1.88, 35.5, 43, 740, 00 , 11:45:03, 01-Aug-2018
13, 3.21, 38.0, 37, 740, 00 , 12:00:03, 01-Aug-2018
14, 3.53, 39.1, 34, 740, 00 , 12:15:03, 01-Aug-2018
15, 3.05, 37.7, 36, 740, 00 , 12:30:03, 01-Aug-2018
16, 4.79, 36.7, 38, 740, 00 , 12:45:03, 01-Aug-2018
17, 2.77, 36.5, 39, 740, 00 , 13:00:03, 01-Aug-2018
18, 2.50, 35.7, 40, 740, 00 , 13:15:03, 01-Aug-2018
19, 2.50, 35.4, 40, 740, 00 , 13:30:03, 01-Aug-2018
20, 2.31, 35.8, 40, 740, 00 , 13:45:03, 01-Aug-2018
21, 4.92, 36.4, 39, 740, 00 , 14:00:03, 01-Aug-2018
22, 3.41, 36.3, 41, 740, 00 , 14:15:03, 01-Aug-2018
23, 17.64, 34.6, 57, 740, 00 , 14:30:03, 01-Aug-2018

>"Model Number", "PDR-1500", 01.34
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"Number ", 23
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 224.839258
"Max Disp @ ", 11:36:33 01-Aug-2018
"Max STEL ", 90.822649
"Max STEL @ ", 11:59:13 01-Aug-2018
"Avg point ", 20.319896
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 8.13, 23.6, 81, 740, 01 , 09:00:03, 01-Aug-2018
2, 4.19, 23.9, 84, 740, 00 , 09:15:03, 01-Aug-2018
3, 8.47, 24.3, 84, 740, 00 , 09:30:03, 01-Aug-2018
4, 12.51, 25.1, 83, 740, 00 , 09:45:03, 01-Aug-2018
5, 17.79, 25.9, 80, 740, 00 , 10:00:03, 01-Aug-2018
6, 21.32, 26.6, 77, 740, 00 , 10:15:03, 01-Aug-2018
7, 19.09, 27.1, 74, 740, 00 , 10:30:03, 01-Aug-2018
8, 16.22, 27.4, 72, 740, 00 , 10:45:03, 01-Aug-2018
9, 14.96, 27.9, 71, 740, 00 , 11:00:03, 01-Aug-2018
10, 18.31, 28.3, 70, 740, 00 , 11:15:03, 01-Aug-2018
11, 40.92, 29.2, 66, 740, 00 , 11:30:03, 01-Aug-2018
12, 65.74, 30.2, 62, 740, 00 , 11:45:03, 01-Aug-2018
13, 87.95, 31.9, 56, 740, 00 , 12:00:03, 01-Aug-2018
14, 72.17, 32.7, 52, 740, 00 , 12:15:03, 01-Aug-2018
15, 0.17, 32.4, 52, 740, 00 , 12:30:03, 01-Aug-2018
16, -6.67, 31.8, 53, 740, 00 , 12:45:03, 01-Aug-2018
17, 8.00, 31.7, 53, 738, 00 , 13:00:03, 01-Aug-2018
18, -4.89, 31.3, 55, 738, 00 , 13:15:03, 01-Aug-2018
19, 17.41, 31.4, 54, 738, 00 , 13:30:03, 01-Aug-2018
20, 26.00, 31.9, 53, 738, 00 , 13:45:03, 01-Aug-2018
21, 25.92, 32.3, 52, 738, 00 , 14:00:03, 01-Aug-2018
22, 1.23, 32.0, 53, 738, 00 , 14:15:03, 01-Aug-2018
23, -7.59, 30.4, 63, 738, 00 , 14:30:03, 01-Aug-2018

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"Number ", 23
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"Unit ", 0
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"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 137.828827
"Max Disp @ ", 11:57:39 01-Aug-2018
"Max STEL ", 31.316190
"Max STEL @ ", 14:30:03 01-Aug-2018
"Avg point ", 15.937951
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 9.15, 24.7, 80, 742, 01 , 09:00:03, 01-Aug-2018
2, 8.18, 25.0, 82, 742, 01 , 09:15:03, 01-Aug-2018
3, 7.98, 25.7, 80, 742, 01 , 09:30:03, 01-Aug-2018
4, 9.10, 26.7, 76, 742, 01 , 09:45:03, 01-Aug-2018
5, 10.12, 27.8, 70, 742, 01 , 10:00:03, 01-Aug-2018
6, 10.78, 28.3, 68, 742, 01 , 10:15:03, 01-Aug-2018
7, 12.50, 28.9, 65, 742, 01 , 10:30:03, 01-Aug-2018
8, 12.38, 29.4, 63, 742, 01 , 10:45:03, 01-Aug-2018
9, 13.37, 30.0, 60, 742, 01 , 11:00:03, 01-Aug-2018
10, 17.07, 30.8, 58, 742, 01 , 11:15:03, 01-Aug-2018
11, 15.28, 32.1, 55, 742, 01 , 11:30:03, 01-Aug-2018
12, 14.65, 33.4, 51, 742, 01 , 11:45:03, 01-Aug-2018
13, 27.51, 35.2, 45, 742, 01 , 12:00:03, 01-Aug-2018
14, 14.69, 36.3, 42, 742, 01 , 12:15:03, 01-Aug-2018
15, 15.02, 35.8, 42, 742, 01 , 12:30:03, 01-Aug-2018
16, 17.49, 35.3, 42, 742, 01 , 12:45:03, 01-Aug-2018
17, 20.64, 35.4, 43, 742, 01 , 13:00:03, 01-Aug-2018
18, 19.97, 34.9, 44, 742, 01 , 13:15:03, 01-Aug-2018
19, 18.29, 34.8, 44, 742, 01 , 13:30:03, 01-Aug-2018
20, 14.52, 35.4, 43, 742, 01 , 13:45:03, 01-Aug-2018
21, 18.80, 36.2, 41, 740, 01 , 14:00:03, 01-Aug-2018
22, 27.77, 36.1, 42, 740, 01 , 14:15:03, 01-Aug-2018
23, 31.32, 33.7, 57, 740, 01 , 14:30:03, 01-Aug-2018

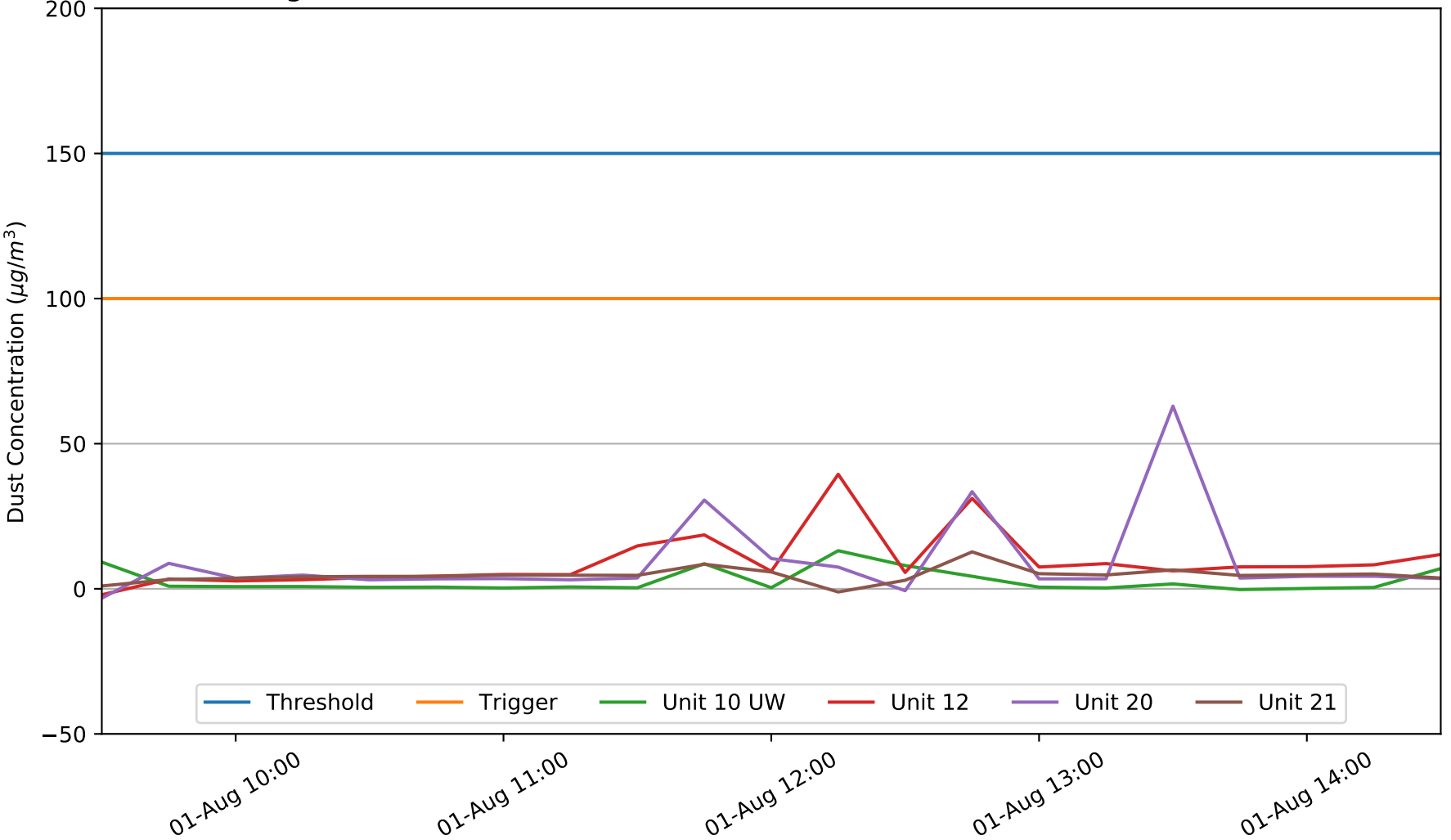
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"Log Period ", 00:15:00
"Number ", 23
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 260.089684
"Max Disp @ ", 11:57:58 01-Aug-2018
"Max STEL ", 30.605826
"Max STEL @ ", 14:30:03 01-Aug-2018
"Avg point ", 9.508080
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 8.34, 20.4, 75, 740, 02 , 09:00:03, 01-Aug-2018
2, 6.91, 20.3, 79, 740, 02 , 09:15:03, 01-Aug-2018
3, 6.41, 20.7, 77, 740, 00 , 09:30:03, 01-Aug-2018
4, 7.14, 22.0, 73, 740, 02 , 09:45:03, 01-Aug-2018
5, 7.80, 23.2, 67, 740, 02 , 10:00:03, 01-Aug-2018
6, 8.02, 23.6, 66, 740, 00 , 10:15:03, 01-Aug-2018
7, 8.07, 24.5, 63, 740, 00 , 10:30:03, 01-Aug-2018
8, 7.89, 25.0, 60, 740, 02 , 10:45:03, 01-Aug-2018
9, 8.77, 26.1, 57, 740, 02 , 11:00:03, 01-Aug-2018
10, 8.80, 27.4, 53, 740, 02 , 11:15:03, 01-Aug-2018
11, 8.15, 29.2, 48, 740, 02 , 11:30:03, 01-Aug-2018
12, 7.94, 31.2, 42, 740, 02 , 11:45:03, 01-Aug-2018
13, 24.39, 33.9, 37, 740, 02 , 12:00:03, 01-Aug-2018
14, 7.19, 35.2, 33, 740, 02 , 12:15:03, 01-Aug-2018
15, 6.92, 34.3, 34, 740, 02 , 12:30:03, 01-Aug-2018
16, 8.28, 33.6, 35, 740, 02 , 12:45:03, 01-Aug-2018
17, 7.18, 33.6, 35, 740, 02 , 13:00:03, 01-Aug-2018
18, 7.74, 32.9, 37, 740, 02 , 13:15:03, 01-Aug-2018
19, 7.54, 32.4, 38, 740, 02 , 13:30:03, 01-Aug-2018
20, 7.54, 32.9, 37, 740, 02 , 13:45:03, 01-Aug-2018
21, 9.49, 33.5, 35, 740, 02 , 14:00:03, 01-Aug-2018
22, 7.55, 33.5, 37, 740, 02 , 14:15:03, 01-Aug-2018
23, 30.61, 31.3, 53, 740, 02 , 14:30:03, 01-Aug-2018

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"Serial no. ", "0115249188"
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"Number ", 23
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"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 36.332226
"Max Disp @ ", 14:29:22 01-Aug-2018
"Max STEL ", 13.071258
"Max STEL @ ", 14:30:03 01-Aug-2018
"Avg point ", 6.404193
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 5.43, 23.2, 80, 740, 01 , 09:00:03, 01-Aug-2018
2, 4.31, 23.0, 85, 740, 00 , 09:15:03, 01-Aug-2018
3, 4.07, 23.2, 86, 740, 00 , 09:30:03, 01-Aug-2018
4, 3.82, 24.2, 85, 738, 00 , 09:45:03, 01-Aug-2018
5, 4.54, 24.9, 80, 738, 00 , 10:00:03, 01-Aug-2018
6, 5.19, 25.2, 78, 738, 00 , 10:15:03, 01-Aug-2018
7, 5.51, 25.7, 76, 738, 00 , 10:30:03, 01-Aug-2018
8, 6.10, 26.1, 74, 738, 00 , 10:45:03, 01-Aug-2018
9, 6.56, 26.7, 71, 738, 00 , 11:00:03, 01-Aug-2018
10, 6.82, 27.5, 68, 738, 00 , 11:15:03, 01-Aug-2018
11, 7.49, 28.9, 64, 738, 00 , 11:30:03, 01-Aug-2018
12, 6.98, 30.4, 59, 738, 00 , 11:45:03, 01-Aug-2018
13, 7.58, 32.8, 51, 738, 00 , 12:00:03, 01-Aug-2018
14, 6.33, 34.3, 45, 738, 00 , 12:15:03, 01-Aug-2018
15, 6.36, 33.5, 45, 738, 00 , 12:30:03, 01-Aug-2018
16, 6.78, 32.6, 47, 738, 00 , 12:45:03, 01-Aug-2018
17, 6.14, 32.7, 47, 738, 00 , 13:00:03, 01-Aug-2018
18, 6.49, 32.7, 47, 738, 00 , 13:15:03, 01-Aug-2018
19, 7.35, 32.4, 48, 738, 00 , 13:30:03, 01-Aug-2018
20, 6.41, 32.6, 48, 738, 00 , 13:45:03, 01-Aug-2018
21, 6.94, 33.7, 45, 738, 00 , 14:00:03, 01-Aug-2018
22, 7.02, 34.4, 44, 738, 00 , 14:15:03, 01-Aug-2018
23, 13.07, 32.6, 53, 738, 00 , 14:30:03, 01-Aug-2018

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"Start Time ", 08:45:03
"Start Date ", 01-Aug-2018
"Log Period ", 00:15:00
"Number ", 23
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 224.839258
"Max Disp @ ", 11:36:33 01-Aug-2018
"Max STEL ", 90.822649
"Max STEL @ ", 11:59:13 01-Aug-2018
"Avg point ", 20.319896
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 8.13, 23.6, 81, 740, 01 , 09:00:03, 01-Aug-2018
2, 4.19, 23.9, 84, 740, 00 , 09:15:03, 01-Aug-2018
3, 8.47, 24.3, 84, 740, 00 , 09:30:03, 01-Aug-2018
4, 12.51, 25.1, 83, 740, 00 , 09:45:03, 01-Aug-2018
5, 17.79, 25.9, 80, 740, 00 , 10:00:03, 01-Aug-2018
6, 21.32, 26.6, 77, 740, 00 , 10:15:03, 01-Aug-2018
7, 19.09, 27.1, 74, 740, 00 , 10:30:03, 01-Aug-2018
8, 16.22, 27.4, 72, 740, 00 , 10:45:03, 01-Aug-2018
9, 14.96, 27.9, 71, 740, 00 , 11:00:03, 01-Aug-2018
10, 18.31, 28.3, 70, 740, 00 , 11:15:03, 01-Aug-2018
11, 40.92, 29.2, 66, 740, 00 , 11:30:03, 01-Aug-2018
12, 65.74, 30.2, 62, 740, 00 , 11:45:03, 01-Aug-2018
13, 87.95, 31.9, 56, 740, 00 , 12:00:03, 01-Aug-2018
14, 72.17, 32.7, 52, 740, 00 , 12:15:03, 01-Aug-2018
15, 0.17, 32.4, 52, 740, 00 , 12:30:03, 01-Aug-2018
16, -6.67, 31.8, 53, 740, 00 , 12:45:03, 01-Aug-2018
17, 8.00, 31.7, 53, 738, 00 , 13:00:03, 01-Aug-2018
18, -4.89, 31.3, 55, 738, 00 , 13:15:03, 01-Aug-2018
19, 17.41, 31.4, 54, 738, 00 , 13:30:03, 01-Aug-2018
20, 26.00, 31.9, 53, 738, 00 , 13:45:03, 01-Aug-2018
21, 25.92, 32.3, 52, 738, 00 , 14:00:03, 01-Aug-2018
22, 1.23, 32.0, 53, 738, 00 , 14:15:03, 01-Aug-2018
23, -7.59, 30.4, 63, 738, 00 , 14:30:03, 01-Aug-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 01-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 01-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 12	Unit 10 UW	Unit 20	Unit 21	Threshold	Trigger
2018-08-01 09:30:00	-2.06	9.2	-3.22	0.97	150	100
2018-08-01 09:45:00	3.36	0.88	8.77	3.19	150	100
2018-08-01 10:00:00	2.71	0.75	3.64	3.64	150	100
2018-08-01 10:15:00	3.13	0.78	4.72	4.14	150	100
2018-08-01 10:30:00	3.85	0.51	3.1	4.28	150	100
2018-08-01 10:45:00	4.38	0.58	3.43	4.28	150	100
2018-08-01 11:00:00	4.94	0.28	3.51	4.72	150	100
2018-08-01 11:15:00	4.89	0.64	3.1	4.68	150	100
2018-08-01 11:30:00	14.78	0.36	3.73	4.64	150	100
2018-08-01 11:45:00	18.57	8.65	30.57	8.46	150	100
2018-08-01 12:00:00	6.04	0.38	10.42	5.8	150	100
2018-08-01 12:15:00	39.45	13.13	7.48	-1.09	150	100
2018-08-01 12:30:00	5.63	8.01	-0.66	2.93	150	100
2018-08-01 12:45:00	31.15	4.31	33.46	12.72	150	100
2018-08-01 13:00:00	7.5	0.57	3.43	5.21	150	100
2018-08-01 13:15:00	8.68	0.29	3.44	4.77	150	100
2018-08-01 13:30:00	6.17	1.68	62.94	6.51	150	100
2018-08-01 13:45:00	7.55	-0.27	3.69	4.6	150	100
2018-08-01 14:00:00	7.63	0.12	4.32	4.82	150	100
2018-08-01 14:15:00	8.26	0.47	4.33	5.1	150	100
2018-08-01 14:30:00	11.84	6.96	3.53	3.71	150	100

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"Serial no. ", "CM15111014"
"Tag Number ", 43
"Start Time ", 09:18:36
"Start Date ", 01-Aug-2018
"Log Period ", 00:15:00
"Number ", 21
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 426.465988
"Max Disp @ ", 12:42:15 01-Aug-2018
"Max STEL ", 52.790561
"Max STEL @ ", 12:23:26 01-Aug-2018
"Avg point ", 12.224672
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 7.14, 19.2, 85, 736, 01 , 09:33:36, 01-Aug-2018
2, 4.24, 21.5, 79, 740, 00 , 09:48:36, 01-Aug-2018
3, 3.46, 22.7, 74, 740, 00 , 10:03:36, 01-Aug-2018
4, 3.91, 23.2, 73, 740, 00 , 10:18:36, 01-Aug-2018
5, 4.36, 24.0, 70, 740, 00 , 10:33:36, 01-Aug-2018
6, 4.96, 24.7, 67, 740, 00 , 10:48:36, 01-Aug-2018
7, 5.22, 26.0, 63, 740, 00 , 11:03:36, 01-Aug-2018
8, 5.53, 27.2, 59, 740, 00 , 11:18:36, 01-Aug-2018
9, 15.14, 29.7, 53, 740, 00 , 11:33:36, 01-Aug-2018
10, 27.22, 31.8, 49, 740, 00 , 11:48:36, 01-Aug-2018
11, 6.42, 35.4, 40, 740, 00 , 12:03:36, 01-Aug-2018
12, 52.58, 36.3, 37, 740, 00 , 12:18:36, 01-Aug-2018
13, 13.64, 35.1, 38, 740, 00 , 12:33:36, 01-Aug-2018
14, 35.46, 33.8, 40, 740, 00 , 12:48:36, 01-Aug-2018
15, 8.07, 33.2, 41, 740, 01 , 13:03:36, 01-Aug-2018
16, 8.97, 32.0, 44, 740, 00 , 13:18:36, 01-Aug-2018
17, 7.85, 31.9, 45, 740, 00 , 13:33:36, 01-Aug-2018
18, 7.28, 32.6, 44, 740, 00 , 13:48:36, 01-Aug-2018
19, 7.75, 32.8, 43, 740, 00 , 14:03:36, 01-Aug-2018
20, 8.73, 32.2, 46, 740, 00 , 14:18:36, 01-Aug-2018
21, 18.80, 29.3, 56, 738, 00 , 14:33:36, 01-Aug-2018

>"Model Number", "PDR-1500", 01.34
"Serial no. ", "0115248913"
"Tag Number ", 17
"Start Time ", 09:15:03
"Start Date ", 01-Aug-2018
"Log Period ", 00:15:00
"Number   ", 21
"CalFactor   ", 1.000000
"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
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DAILY OBSERVATION REPORT

Report No.:	54	Project File:	MN0832D	Date:	08/02/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Jim Burnett

Site Representative: Ashwin Ranna

Arrive at Site: 0700hrs. Leave Site: 1915hrs.

Contractor: Recon

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Clear and light rain	am	Partly cloudy to clear	Pm
Temperature:	6° F	am	~80° F	Pm
Wind Direction:	Calm	am	6 S	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 54 Project File: MN0832D Date: 08/02/2018

Materials Imported and Removed from Work Areas

As of 01 August 2018:

TSCA Soil Removal:

Total Loads today: 18 Total Loads to date: 276

Weight: 22 tons/each Total Weight to date: ~6970Tons

Non Haz Soil Removal:

Total Loads today: 13 Total Loads to date: 98

Weight: 20 tons/each Total Weight to date: ~2425Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 15

Weight: 0 Tons Total Weight to date: ~293 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: 0 Tons Total Weight to date: 132 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~210

Weight: ~22 Tons/each Total Weight to date: ~4601Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	54	Project File:	MN0832D	Date:	08/02/2018

Summary of Events

AM

- Geosyntec arrived on site at 0700. Attended Recon safety meeting. Recon planned to continue TSCA loadout and Non Haz loadout and excavate Non-Haz material in the North Eastern section of the site. Recon also planned to expose the gas line and complete excavation around phase 2. Geosyntec calibrated and deployed dust monitors. A dust monitor was deployed at the RPL at the boundary between the handed over Phase 1 and phase 2 on the site.
- Geosyntec held the safety tailgate meeting and planned the day's activities, including reviewing samples to be collected. Geosyntec continued sampling and labelling throughout the day. Geosyntec personnel were assigned to the MSA for Non Haz loading and the RPL for TSCA loadout and backfill CQA.
- TSCA truck and Non Haz truck loading took place throughout the day. Geosyntec collected the samples along the southern edge of the excavation.
- Additional concrete structures were exposed in the north eastern section of the excavation. On inspection it appears to be part of the Oil Skimmer 1. As material inside the structure had visible staining and slight hydrocarbon odor, samples were collected and sent for analysis.
- Approximately 11,000 gallons of water from the frac tank at the MSA was shipped off offsite for disposal.
- School contractor continued installing piles within phase 1. Work continued throughout the day.
- Scott Williams of DEC arrived on site in the first half of the day. He inspected the excavation and inspected the sub slab work happening within the school. He took several photos of the concrete structures and inspected RPL and MSA before leaving site.
- Non Haz material was excavated from the north east portion of the site and sent to the MSA where it was loaded for dispatch. The TSCA overlay 0-2 material was staged on top of Poly near the southeastern part of the site. Characterization samples for that material were collected and shipped. Excavated TSCA material was prepared for loadout. Material identified for reuse was sent to the MSA for characterization. Material from Piles 105 and 106 were sent to the MSA to be staged for reuse.
- Recon sprayed water around the site multiple times during the day. Reuse material from the MSA was brought to the RPL and compacted.

PM

- Samples collected were packed and prepare to be shipped.
- Scott Williams remained on site till 1400. He took photos of the excavation progress and inspected the exposed concrete structures.
- Material for TSCA was excavated and prepared for loadout. Sample locations for the eastern and extent of the excavation were marked out. Sample location along the electric line slopes were also marked out. Locations are to be GPS'd and samples collected.
- Excavation was also carried out in the south west corner of the site. Concrete was encountered at approximately 8' BGS. As the edge of the concrete structure appears to have been exposed, samples will be collected along the edge once excavation is completed.
- Excavation within the RPL continued till the end of the day. Majority of personnel were offsite by 1630. A small crew remained to complete the excavation in the north east corner.
- Recon shut down site and left at 1700.
- AR completed a SWPPP inspection and checked sumps and silt fences. Geosyntec continued to pack samples till 1800. GWK left site to ship samples at 1815. Dust monitors were collected, and data downloaded. No exceedances were recorded. Generator was left running as rain was expected overnight and sump pump would require power.
- Geosyntec left site at 1915.

Report No.: 54 Project File: MN0832D Date: 08/02/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Patrick Carr
- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Rich Tonnucour
- (Recon labor) X15

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	NYSDEC	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: NA

ITEMS OF CONCERN:

DAILY OBSERVATION REPORT

Report No.:	54	Project File:	MN0832D	Date:	08/02/2018

Site Representative: Ashwin Ranna

Date: 08/02/2018

Name (Signature):



Report No.: 54 Project File: MN0832D Date: 08/02/2018

Photo Log
Date : 08/02/2018



Excavation in NE section of site



Exposed Concrete Walls (Reservoir building) and Oil skimmer 1



Completed exposing gas and electric lines



South western corner of Concrete structure. Appears to be brick lined

Report No.: 54 Project File: MN0832D Date: 08/02/2018

Photo Log

Date : 08/02/2018



Gas line running through concrete structure



Exposed concrete slab and structure to South west of site.



Concrete foundation



Covered piles in MSA

Report No.:	54	Project File:	MN0832D	Date:	08/02/2018

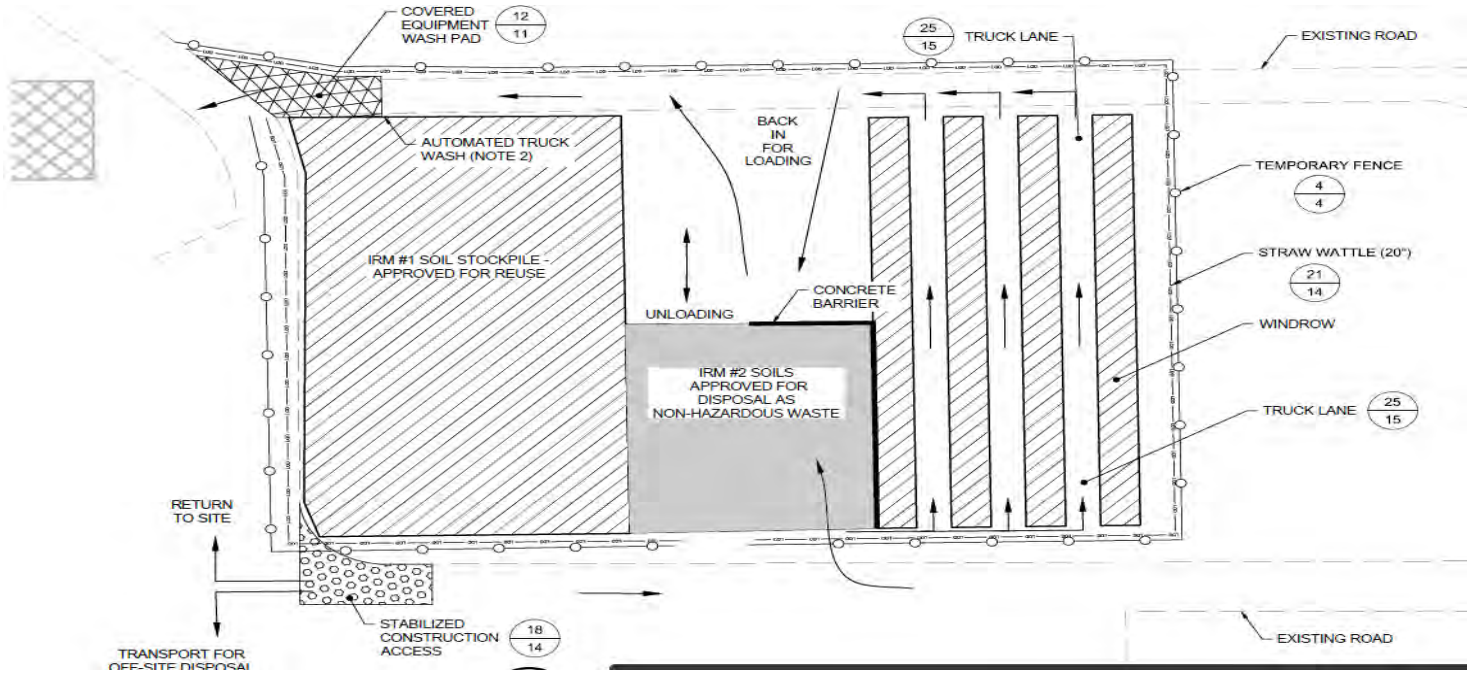
Report No.:	54	Project File:	MN0832D	Date:	08/02/2018

Site Map

Rear Parking Lot

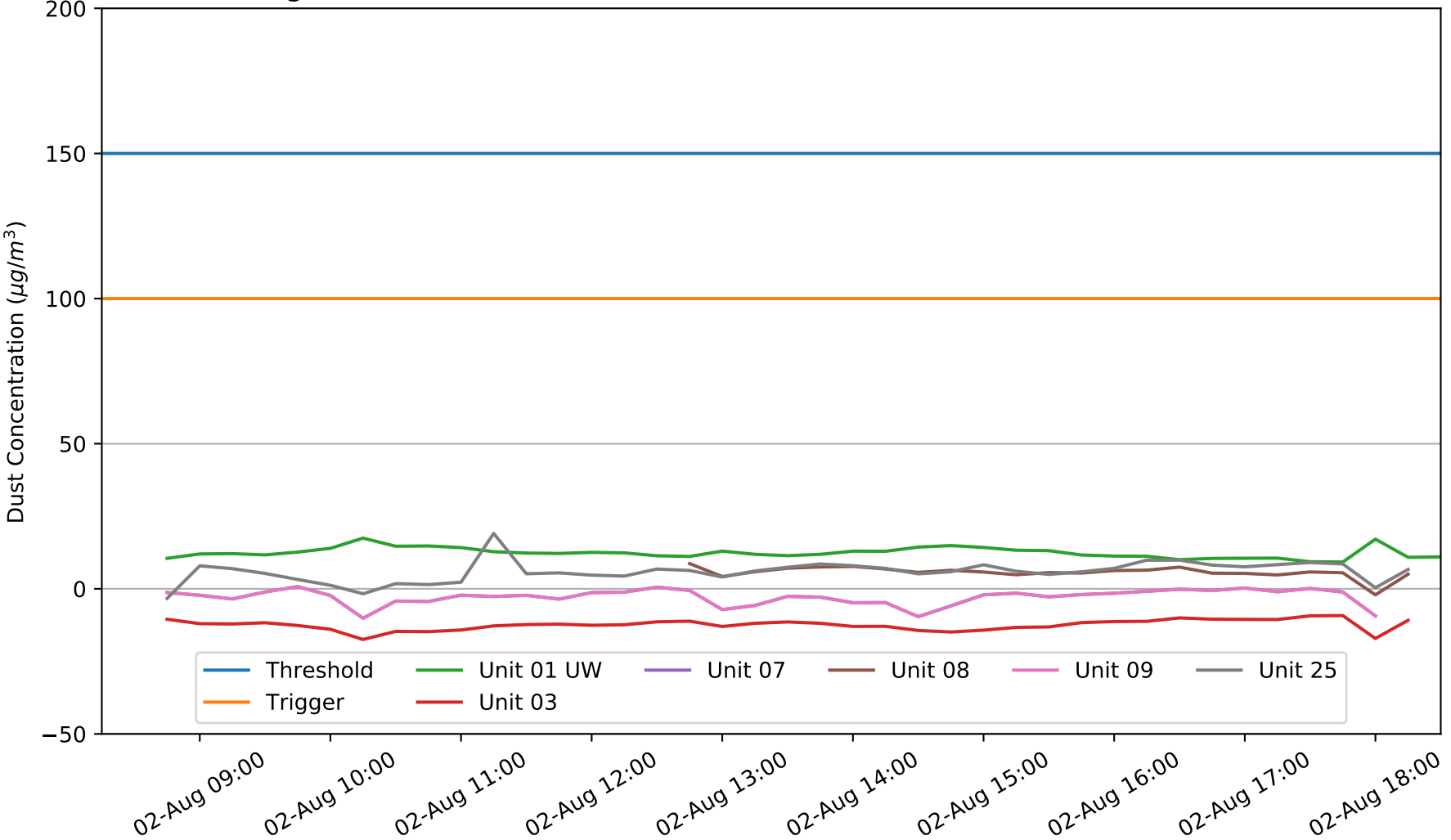


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 02-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 02-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 07	Unit 09	Unit 25	Unit 03	Unit 08	Unit 01 UW	Threshold	Trigger
2018-08-02 08:15:00							150	100
2018-08-02 08:30:00							150	100
2018-08-02 08:45:00	-1.28	-1.28	-3.32	-10.5		10.5	150	100
2018-08-02 09:00:00	-2.23	-2.23	7.92	-12.01		12.01	150	100
2018-08-02 09:15:00	-3.5	-3.5	6.94	-12.12		12.12	150	100
2018-08-02 09:30:00	-1.09	-1.09	5.29	-11.69		11.69	150	100
2018-08-02 09:45:00	0.75	0.75	3.21	-12.65		12.65	150	100
2018-08-02 10:00:00	-2.31	-2.31	1.21	-13.95		13.95	150	100
2018-08-02 10:15:00	-10.14	-10.14	-1.71	-17.46		17.46	150	100
2018-08-02 10:30:00	-4.22	-4.22	1.77	-14.67		14.67	150	100
2018-08-02 10:45:00	-4.36	-4.36	1.45	-14.76		14.76	150	100
2018-08-02 11:00:00	-2.2	-2.2	2.27	-14.2		14.2	150	100
2018-08-02 11:15:00	-2.64	-2.64	19.08	-12.78		12.78	150	100
2018-08-02 11:30:00	-2.24	-2.24	5.19	-12.32		12.32	150	100
2018-08-02 11:45:00	-3.56	-3.56	5.49	-12.18		12.18	150	100
2018-08-02 12:00:00	-1.3	-1.3	4.71	-12.56		12.56	150	100
2018-08-02 12:15:00	-1.16	-1.16	4.39	-12.38		12.38	150	100
2018-08-02 12:30:00	0.56	0.56	6.81	-11.38		11.38	150	100
2018-08-02 12:45:00	-0.57	-0.57	6.31	-11.15	8.68	11.15	150	100
2018-08-02 13:00:00	-7.16	-7.16	4.06	-12.99	4.23	12.99	150	100
2018-08-02 13:15:00	-5.74	-5.74	6.15	-11.88	5.88	11.88	150	100
2018-08-02 13:30:00	-2.6	-2.6	7.42	-11.42	7.09	11.42	150	100
2018-08-02 13:45:00	-2.87	-2.87	8.55	-11.88	7.52	11.88	150	100
2018-08-02 14:00:00	-4.8	-4.8	7.97	-12.97	7.71	12.97	150	100
2018-08-02 14:15:00	-4.76	-4.76	7.03	-12.93	6.82	12.93	150	100
2018-08-02 14:30:00	-9.6	-9.6	5.16	-14.37	5.66	14.37	150	100
2018-08-02 14:45:00	-5.89	-5.89	5.88	-14.88	6.37	14.88	150	100
2018-08-02 15:00:00	-2.09	-2.09	8.27	-14.25	5.78	14.25	150	100
2018-08-02 15:15:00	-1.5	-1.5	6.06	-13.29	4.84	13.29	150	100
2018-08-02 15:30:00	-2.76	-2.76	4.96	-13.14	5.58	13.14	150	100
2018-08-02 15:45:00	-1.99	-1.99	5.85	-11.65	5.43	11.65	150	100
2018-08-02 16:00:00	-1.53	-1.53	7.05	-11.28	6.29	11.28	150	100
2018-08-02 16:15:00	-0.85	-0.85	9.86	-11.21	6.42	11.21	150	100
2018-08-02 16:30:00	-0.14	-0.14	9.88	-10.03	7.47	10.03	150	100
2018-08-02 16:45:00	-0.58	-0.58	8.17	-10.47	5.38	10.47	150	100
2018-08-02 17:00:00	0.25	0.25	7.58	-10.53	5.3	10.53	150	100
2018-08-02 17:15:00	-1	-1	8.33	-10.58	4.78	10.58	150	100
2018-08-02 17:30:00	0.13	0.13	9.06	-9.32	5.81	9.32	150	100
2018-08-02 17:45:00	-1.1	-1.1	8.57	-9.22	5.53	9.22	150	100
2018-08-02 18:00:00	-9.34	-9.34	0.37	-17.11	-2.09	17.11	150	100
2018-08-02 18:15:00			6.67	-10.85	5.03	10.85	150	100
2018-08-02 18:30:00						10.99	150	100

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26, 4.77, 25.6, 43, 744, 00 , 14:32:35, 02-Aug-2018
27, 8.99, 25.2, 45, 742, 00 , 14:47:35, 02-Aug-2018
28, 12.16, 25.1, 44, 742, 00 , 15:02:35, 02-Aug-2018
29, 11.79, 26.5, 42, 742, 00 , 15:17:35, 02-Aug-2018
30, 10.38, 28.1, 39, 742, 00 , 15:32:35, 02-Aug-2018
31, 9.66, 29.4, 37, 742, 00 , 15:47:35, 02-Aug-2018
32, 9.75, 30.5, 35, 742, 00 , 16:02:35, 02-Aug-2018
33, 10.36, 31.4, 34, 742, 00 , 16:17:35, 02-Aug-2018
34, 9.89, 31.9, 32, 742, 00 , 16:32:35, 02-Aug-2018
35, 9.89, 32.2, 30, 742, 00 , 16:47:35, 02-Aug-2018
36, 10.78, 32.6, 29, 742, 00 , 17:02:35, 02-Aug-2018
37, 9.58, 32.8, 29, 742, 00 , 17:17:35, 02-Aug-2018
38, 9.45, 31.8, 29, 742, 00 , 17:32:35, 02-Aug-2018
39, 8.12, 30.4, 30, 742, 00 , 17:47:35, 02-Aug-2018
40, 7.77, 29.3, 31, 742, 00 , 18:02:35, 02-Aug-2018

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"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 08:03:00 02-Aug-2018
"Max STEL ", 20.058420
"Max STEL @ ", 08:17:45 02-Aug-2018
"Avg point ", 10.016142
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 20.03, 12.8, 67, 744, 01 , 08:17:35, 02-Aug-2018
2, 13.86, 13.4, 67, 744, 03 , 08:32:35, 02-Aug-2018
3, 9.22, 13.9, 78, 744, 03 , 08:47:35, 02-Aug-2018
4, 9.78, 14.7, 76, 744, 00 , 09:02:35, 02-Aug-2018
5, 8.62, 15.4, 75, 744, 00 , 09:17:35, 02-Aug-2018
6, 10.60, 16.4, 71, 744, 00 , 09:32:35, 02-Aug-2018
7, 13.40, 17.2, 67, 744, 00 , 09:47:35, 02-Aug-2018
8, 11.64, 18.2, 65, 744, 00 , 10:02:35, 02-Aug-2018
9, 7.32, 19.9, 64, 744, 00 , 10:17:35, 02-Aug-2018
10, 10.45, 21.1, 59, 744, 00 , 10:32:35, 02-Aug-2018
11, 10.40, 23.7, 54, 744, 00 , 10:47:35, 02-Aug-2018
12, 12.00, 25.5, 45, 744, 00 , 11:02:35, 02-Aug-2018
13, 10.14, 26.3, 44, 744, 00 , 11:17:35, 02-Aug-2018
14, 10.08, 26.6, 44, 744, 00 , 11:32:35, 02-Aug-2018
15, 8.62, 27.8, 39, 744, 00 , 11:47:35, 02-Aug-2018
16, 11.26, 29.1, 36, 744, 00 , 12:02:35, 02-Aug-2018
17, 11.22, 28.6, 37, 744, 00 , 12:17:35, 02-Aug-2018
18, 11.94, 29.3, 38, 744, 00 , 12:32:35, 02-Aug-2018
19, 10.58, 30.0, 37, 744, 00 , 12:47:35, 02-Aug-2018
20, 5.83, 29.8, 34, 744, 00 , 13:02:35, 02-Aug-2018
21, 6.14, 29.3, 36, 744, 00 , 13:17:35, 02-Aug-2018
22, 8.82, 29.4, 35, 744, 00 , 13:32:35, 02-Aug-2018
23, 9.01, 28.6, 36, 744, 00 , 13:47:35, 02-Aug-2018
24, 8.17, 27.4, 38, 744, 00 , 14:02:35, 02-Aug-2018
25, 8.17, 26.3, 41, 742, 00 , 14:17:35, 02-Aug-2018
26, 4.77, 25.6, 43, 744, 00 , 14:32:35, 02-Aug-2018
27, 8.99, 25.2, 45, 742, 00 , 14:47:35, 02-Aug-2018
28, 12.16, 25.1, 44, 742, 00 , 15:02:35, 02-Aug-2018
29, 11.79, 26.5, 42, 742, 00 , 15:17:35, 02-Aug-2018
30, 10.38, 28.1, 39, 742, 00 , 15:32:35, 02-Aug-2018
31, 9.66, 29.4, 37, 742, 00 , 15:47:35, 02-Aug-2018
32, 9.75, 30.5, 35, 742, 00 , 16:02:35, 02-Aug-2018
33, 10.36, 31.4, 34, 742, 00 , 16:17:35, 02-Aug-2018
34, 9.89, 31.9, 32, 742, 00 , 16:32:35, 02-Aug-2018
35, 9.89, 32.2, 30, 742, 00 , 16:47:35, 02-Aug-2018
36, 10.78, 32.6, 29, 742, 00 , 17:02:35, 02-Aug-2018
37, 9.58, 32.8, 29, 742, 00 , 17:17:35, 02-Aug-2018
38, 9.45, 31.8, 29, 742, 00 , 17:32:35, 02-Aug-2018
39, 8.12, 30.4, 30, 742, 00 , 17:47:35, 02-Aug-2018
40, 7.77, 29.3, 31, 742, 00 , 18:02:35, 02-Aug-2018

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"Serial no. ", "0115249168"
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"Number ", 41
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"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 226.065516
"Max Disp @ ", 11:02:31 02-Aug-2018
"Max STEL ", 31.901121
"Max STEL @ ", 11:12:53 02-Aug-2018
"Avg point ", 18.356030
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 18.07, 19.6, 59, 744, 01 , 08:15:03, 02-Aug-2018
2, 19.61, 19.9, 59, 744, 03 , 08:30:03, 02-Aug-2018
3, 7.18, 20.5, 65, 742, 03 , 08:45:03, 02-Aug-2018
4, 19.93, 21.2, 72, 742, 03 , 09:00:03, 02-Aug-2018
5, 19.06, 21.6, 73, 742, 00 , 09:15:03, 02-Aug-2018
6, 16.98, 22.1, 73, 742, 00 , 09:30:03, 02-Aug-2018
7, 15.86, 22.8, 70, 742, 00 , 09:45:03, 02-Aug-2018
8, 15.16, 23.7, 70, 742, 00 , 10:00:03, 02-Aug-2018
9, 15.75, 25.3, 64, 742, 00 , 10:15:03, 02-Aug-2018
10, 16.44, 26.5, 56, 742, 00 , 10:30:03, 02-Aug-2018
11, 16.21, 28.7, 49, 742, 00 , 10:45:03, 02-Aug-2018
12, 16.47, 31.0, 39, 742, 00 , 11:00:03, 02-Aug-2018
13, 31.86, 32.3, 32, 742, 00 , 11:15:03, 02-Aug-2018
14, 17.51, 32.6, 30, 744, 00 , 11:30:03, 02-Aug-2018
15, 17.67, 33.3, 29, 744, 00 , 11:45:03, 02-Aug-2018
16, 17.27, 34.9, 26, 744, 00 , 12:00:03, 02-Aug-2018
17, 16.77, 35.1, 24, 744, 00 , 12:15:03, 02-Aug-2018
18, 18.19, 35.3, 24, 744, 00 , 12:30:03, 02-Aug-2018
19, 17.46, 36.0, 23, 744, 00 , 12:45:03, 02-Aug-2018
20, 17.05, 36.2, 22, 744, 00 , 13:00:03, 02-Aug-2018
21, 18.03, 36.0, 22, 744, 00 , 13:15:03, 02-Aug-2018
22, 18.84, 35.9, 22, 742, 00 , 13:30:03, 02-Aug-2018
23, 20.43, 35.3, 23, 742, 00 , 13:45:03, 02-Aug-2018
24, 20.94, 34.5, 27, 742, 00 , 14:00:03, 02-Aug-2018
25, 19.96, 33.4, 31, 742, 00 , 14:15:03, 02-Aug-2018
26, 19.53, 32.4, 33, 742, 00 , 14:30:03, 02-Aug-2018
27, 20.76, 31.7, 39, 742, 00 , 14:45:03, 02-Aug-2018
28, 22.52, 31.4, 39, 742, 00 , 15:00:03, 02-Aug-2018
29, 19.35, 32.1, 34, 742, 00 , 15:15:03, 02-Aug-2018
30, 18.10, 33.0, 31, 742, 00 , 15:30:03, 02-Aug-2018
31, 17.50, 34.2, 27, 742, 00 , 15:45:03, 02-Aug-2018
32, 18.33, 35.0, 26, 742, 00 , 16:00:03, 02-Aug-2018
33, 21.07, 35.5, 23, 742, 00 , 16:15:03, 02-Aug-2018
34, 19.91, 35.7, 23, 742, 00 , 16:30:03, 02-Aug-2018
35, 18.64, 35.9, 22, 742, 00 , 16:45:03, 02-Aug-2018
36, 18.11, 36.5, 21, 742, 00 , 17:00:03, 02-Aug-2018
37, 18.91, 37.4, 19, 742, 00 , 17:15:03, 02-Aug-2018
38, 18.38, 37.5, 19, 742, 00 , 17:30:03, 02-Aug-2018
39, 17.79, 37.0, 20, 742, 00 , 17:45:03, 02-Aug-2018
40, 17.48, 36.1, 20, 742, 00 , 18:00:03, 02-Aug-2018
41, 17.52, 35.1, 22, 742, 00 , 18:15:03, 02-Aug-2018

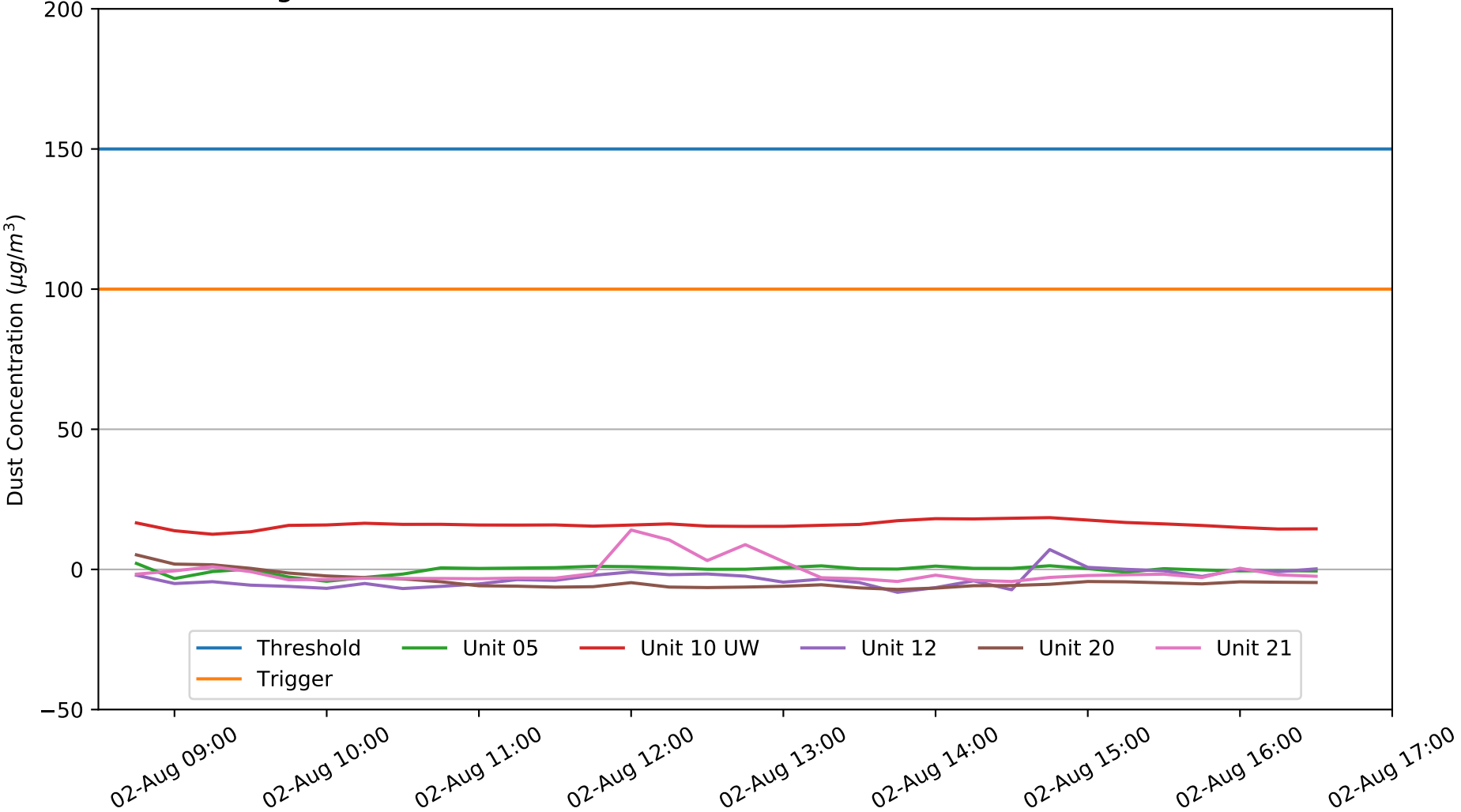
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"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 0.000000
"Max Disp @ ", 15:34:04 02-Aug-2018
"Max STEL ", 0.000000
"Max STEL @ ", 15:34:03 02-Aug-2018
"Avg point ", 0.000000
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 0.00, 22.6, 78, 742, 03 , 08:15:03, 02-Aug-2018
2, 0.00, 22.9, 84, 744, 01 , 08:30:03, 02-Aug-2018
3, 0.00, 23.0, 85, 742, 01 , 08:45:03, 02-Aug-2018
4, 0.00, 23.3, 88, 742, 03 , 09:00:03, 02-Aug-2018
5, 0.00, 23.8, 86, 744, 01 , 09:15:03, 02-Aug-2018
6, 0.00, 24.4, 87, 744, 01 , 09:30:03, 02-Aug-2018
7, 0.00, 25.0, 86, 744, 01 , 09:45:03, 02-Aug-2018
8, 0.00, 25.6, 84, 742, 01 , 10:00:03, 02-Aug-2018
9, 0.00, 26.5, 78, 742, 01 , 10:15:03, 02-Aug-2018
10, 0.00, 27.0, 73, 742, 01 , 10:30:03, 02-Aug-2018
11, 0.00, 27.9, 68, 742, 03 , 10:45:03, 02-Aug-2018
12, 0.00, 28.8, 67, 742, 01 , 11:00:03, 02-Aug-2018
13, 0.00, 29.4, 59, 742, 01 , 11:15:03, 02-Aug-2018
14, 0.00, 29.6, 58, 742, 03 , 11:30:03, 02-Aug-2018
15, 0.00, 30.2, 55, 742, 01 , 11:45:03, 02-Aug-2018
16, 0.00, 31.0, 53, 744, 01 , 12:00:03, 02-Aug-2018
17, 0.00, 31.0, 52, 744, 01 , 12:15:03, 02-Aug-2018
18, 0.00, 31.4, 51, 742, 03 , 12:30:03, 02-Aug-2018
19, 0.00, 31.9, 50, 742, 03 , 12:45:03, 02-Aug-2018
20, 0.00, 32.2, 52, 742, 00 , 13:00:03, 02-Aug-2018
21, 0.00, 32.2, 49, 742, 00 , 13:15:03, 02-Aug-2018
22, 0.00, 32.2, 48, 742, 00 , 13:30:03, 02-Aug-2018
23, 0.00, 31.6, 49, 742, 00 , 13:45:03, 02-Aug-2018
24, 0.00, 30.9, 53, 742, 00 , 14:00:03, 02-Aug-2018
25, 0.00, 30.3, 55, 742, 00 , 14:15:03, 02-Aug-2018
26, 0.00, 30.0, 56, 742, 00 , 14:30:03, 02-Aug-2018
27, 0.00, 29.7, 59, 742, 00 , 14:45:03, 02-Aug-2018
28, 0.00, 30.0, 59, 742, 00 , 15:00:03, 02-Aug-2018
29, 0.00, 32.0, 53, 742, 00 , 15:15:03, 02-Aug-2018
30, 0.00, 35.1, 47, 742, 00 , 15:30:03, 02-Aug-2018
31, 0.00, 37.0, 40, 742, 00 , 15:45:03, 02-Aug-2018
32, 0.00, 37.7, 37, 742, 00 , 16:00:03, 02-Aug-2018
33, 0.00, 38.6, 34, 742, 00 , 16:15:03, 02-Aug-2018
34, 0.00, 40.0, 32, 742, 00 , 16:30:03, 02-Aug-2018
35, 0.00, 41.5, 30, 742, 00 , 16:45:03, 02-Aug-2018
36, 0.00, 43.2, 29, 742, 00 , 17:00:03, 02-Aug-2018
37, 0.00, 44.1, 25, 742, 00 , 17:15:03, 02-Aug-2018
38, 0.00, 43.6, 28, 742, 00 , 17:30:03, 02-Aug-2018
39, 0.00, 42.7, 29, 742, 00 , 17:45:03, 02-Aug-2018
40, 0.00, 40.9, 28, 742, 00 , 18:00:03, 02-Aug-2018
41, 0.00, 38.7, 32, 742, 00 , 18:15:03, 02-Aug-2018

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"Unit ", 0
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"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 12:38:30 02-Aug-2018
"Max STEL ", 21.372600
"Max STEL @ ", 14:46:39 02-Aug-2018
"Avg point ", 17.778458
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 19.83, 21.4, 74, 742, 03 , 12:49:29, 02-Aug-2018
2, 17.22, 24.2, 69, 742, 00 , 13:04:29, 02-Aug-2018
3, 17.76, 26.3, 60, 742, 00 , 13:19:29, 02-Aug-2018
4, 18.51, 27.6, 56, 742, 00 , 13:34:29, 02-Aug-2018
5, 19.40, 27.7, 56, 740, 00 , 13:49:29, 02-Aug-2018
6, 20.68, 27.5, 61, 740, 00 , 14:04:29, 02-Aug-2018
7, 19.75, 27.0, 61, 740, 00 , 14:19:29, 02-Aug-2018
8, 20.03, 27.0, 61, 740, 00 , 14:34:29, 02-Aug-2018
9, 21.25, 27.0, 65, 740, 00 , 14:49:29, 02-Aug-2018
10, 20.03, 27.5, 62, 740, 00 , 15:04:29, 02-Aug-2018
11, 18.13, 29.2, 57, 740, 00 , 15:19:29, 02-Aug-2018
12, 18.72, 31.1, 49, 740, 00 , 15:34:29, 02-Aug-2018
13, 17.08, 32.0, 46, 740, 00 , 15:49:29, 02-Aug-2018
14, 17.57, 33.2, 42, 740, 00 , 16:04:29, 02-Aug-2018
15, 17.63, 34.0, 39, 740, 00 , 16:19:29, 02-Aug-2018
16, 17.50, 35.0, 37, 740, 00 , 16:34:29, 02-Aug-2018
17, 15.85, 36.2, 35, 740, 00 , 16:49:29, 02-Aug-2018
18, 15.83, 37.5, 32, 740, 00 , 17:04:29, 02-Aug-2018
19, 15.36, 37.9, 31, 740, 00 , 17:19:29, 02-Aug-2018
20, 15.13, 37.4, 33, 740, 00 , 17:34:29, 02-Aug-2018
21, 14.75, 36.5, 34, 740, 00 , 17:49:29, 02-Aug-2018
22, 15.02, 35.0, 35, 740, 00 , 18:04:29, 02-Aug-2018
23, 15.88, 33.2, 40, 740, 00 , 18:19:29, 02-Aug-2018

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"Start Date ", 02-Aug-2018
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"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 93.008423
"Max Disp @ ", 17:58:13 02-Aug-2018
"Max STEL   ", 18.571129
"Max STEL @ ", 10:20:23 02-Aug-2018
"Avg point ", 12.399350
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 10.50, 22.6, 70, 742, 03 , 08:45:03, 02-Aug-2018
2, 12.01, 22.9, 75, 742, 00 , 09:00:03, 02-Aug-2018
3, 12.12, 23.4, 75, 742, 00 , 09:15:03, 02-Aug-2018
4, 11.69, 24.3, 74, 742, 00 , 09:30:03, 02-Aug-2018
5, 12.65, 25.1, 70, 742, 00 , 09:45:03, 02-Aug-2018
6, 13.95, 25.9, 67, 742, 00 , 10:00:03, 02-Aug-2018
7, 17.46, 27.4, 62, 742, 00 , 10:15:03, 02-Aug-2018
8, 14.67, 28.3, 57, 742, 00 , 10:30:03, 02-Aug-2018
9, 14.76, 29.9, 52, 742, 00 , 10:45:03, 02-Aug-2018
10, 14.20, 31.5, 47, 742, 00 , 11:00:03, 02-Aug-2018
11, 12.78, 32.5, 44, 742, 00 , 11:15:03, 02-Aug-2018
12, 12.32, 32.5, 43, 742, 00 , 11:30:03, 02-Aug-2018
13, 12.18, 33.0, 42, 742, 00 , 11:45:03, 02-Aug-2018
14, 12.56, 34.1, 40, 742, 00 , 12:00:03, 02-Aug-2018
15, 12.38, 33.8, 39, 742, 00 , 12:15:03, 02-Aug-2018
16, 11.38, 34.2, 39, 742, 00 , 12:30:03, 02-Aug-2018
17, 11.15, 35.1, 35, 742, 00 , 12:45:03, 02-Aug-2018
18, 12.99, 35.1, 35, 742, 00 , 13:00:03, 02-Aug-2018
19, 11.88, 34.5, 37, 742, 00 , 13:15:03, 02-Aug-2018
20, 11.42, 34.7, 36, 742, 00 , 13:30:03, 02-Aug-2018
21, 11.88, 34.0, 39, 742, 00 , 13:45:03, 02-Aug-2018
22, 12.97, 33.0, 43, 742, 00 , 14:00:03, 02-Aug-2018
23, 12.93, 31.9, 47, 742, 00 , 14:15:03, 02-Aug-2018
24, 14.37, 31.5, 47, 742, 00 , 14:30:03, 02-Aug-2018
25, 14.88, 31.2, 49, 742, 00 , 14:45:03, 02-Aug-2018
26, 14.25, 31.1, 50, 742, 00 , 15:00:03, 02-Aug-2018
27, 13.29, 32.3, 48, 740, 00 , 15:15:03, 02-Aug-2018
28, 13.14, 33.9, 43, 740, 00 , 15:30:03, 02-Aug-2018
29, 11.65, 35.0, 37, 740, 00 , 15:45:03, 02-Aug-2018
30, 11.28, 35.8, 36, 740, 00 , 16:00:03, 02-Aug-2018
31, 11.21, 36.4, 35, 740, 00 , 16:15:03, 02-Aug-2018
32, 10.03, 37.1, 33, 740, 00 , 16:30:03, 02-Aug-2018
33, 10.47, 37.8, 33, 740, 00 , 16:45:03, 02-Aug-2018
34, 10.53, 38.6, 30, 740, 00 , 17:00:03, 02-Aug-2018
35, 10.58, 39.0, 30, 740, 00 , 17:15:03, 02-Aug-2018
36, 9.32, 38.2, 31, 740, 00 , 17:30:03, 02-Aug-2018
37, 9.22, 37.3, 32, 740, 00 , 17:45:03, 02-Aug-2018
38, 17.11, 36.4, 33, 740, 00 , 18:00:03, 02-Aug-2018
39, 10.85, 35.2, 34, 740, 00 , 18:15:03, 02-Aug-2018
40, 10.99, 33.8, 40, 740, 00 , 18:30:03, 02-Aug-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 02-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 02-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 05	Unit 21	Unit 12	Unit 10 UW	Unit 20	Threshold	Trigger
2018-08-02 08:30:00						150	100
2018-08-02 08:45:00	2.14	-1.7	-2.07	16.59	5.19	150	100
2018-08-02 09:00:00	-3.26	-0.52	-5.04	13.8	1.9	150	100
2018-08-02 09:15:00	-0.77	0.96	-4.38	12.54	1.65	150	100
2018-08-02 09:30:00	0.17	-0.8	-5.62	13.43	0.38	150	100
2018-08-02 09:45:00	-2.72	-3.7	-6.06	15.71	-1.3	150	100
2018-08-02 10:00:00	-4.24	-3.58	-6.76	15.86	-2.33	150	100
2018-08-02 10:15:00	-2.87	-3.15	-5.02	16.47	-2.92	150	100
2018-08-02 10:30:00	-1.66	-3.22	-6.83	16.07	-3.37	150	100
2018-08-02 10:45:00	0.55	-3.23	-6.05	16.09	-4.41	150	100
2018-08-02 11:00:00	0.35	-3.32	-5.18	15.84	-5.84	150	100
2018-08-02 11:15:00	0.48	-3.09	-3.65	15.81	-5.98	150	100
2018-08-02 11:30:00	0.63	-3.12	-3.91	15.87	-6.33	150	100
2018-08-02 11:45:00	1.11	-1.49	-2.12	15.43	-6.17	150	100
2018-08-02 12:00:00	0.98	14.06	-0.9	15.83	-4.73	150	100
2018-08-02 12:15:00	0.58	10.52	-1.88	16.24	-6.3	150	100
2018-08-02 12:30:00	0.05	3.15	-1.63	15.44	-6.48	150	100
2018-08-02 12:45:00	0.06	8.84	-2.41	15.35	-6.3	150	100
2018-08-02 13:00:00	0.64	2.82	-4.55	15.37	-6.02	150	100
2018-08-02 13:15:00	1.27	-2.97	-3.46	15.74	-5.48	150	100
2018-08-02 13:30:00	0.21	-3.34	-4.69	16.05	-6.6	150	100
2018-08-02 13:45:00	0.12	-4.3	-8.17	17.38	-7.13	150	100
2018-08-02 14:00:00	1.18	-2.06	-6.5	18.1	-6.67	150	100
2018-08-02 14:15:00	0.38	-3.89	-4.07	18.01	-5.81	150	100
2018-08-02 14:30:00	0.36	-4.31	-7.26	18.25	-5.74	150	100
2018-08-02 14:45:00	1.3	-2.86	7.08	18.47	-5.3	150	100
2018-08-02 15:00:00	0.29	-2.18	0.73	17.61	-4.32	150	100
2018-08-02 15:15:00	-1.01	-1.92	0.04	16.74	-4.43	150	100
2018-08-02 15:30:00	0.27	-1.7	-0.5	16.24	-4.79	150	100
2018-08-02 15:45:00	-0.2	-2.9	-2.52	15.68	-5.16	150	100
2018-08-02 16:00:00	-0.53	0.41	-0.02	14.97	-4.43	150	100
2018-08-02 16:15:00	-0.45	-1.93	-0.84	14.41	-4.57	150	100
2018-08-02 16:30:00	-0.55	-2.44	0.2	14.47	-4.67	150	100
2018-08-02 16:45:00						150	100
2018-08-02 17:00:00						150	100

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"Start Time ", 08:34:30
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"Log Period ", 00:15:00
"Number ", 32
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 35.324712
"Max Disp @ ", 09:33:01 02-Aug-2018
"Max STEL ", 20.144589
"Max STEL @ ", 14:47:40 02-Aug-2018
"Avg point ", 15.772696
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 18.73, 22.6, 62, 740, 03 , 08:49:30, 02-Aug-2018
2, 10.54, 22.9, 70, 740, 00 , 09:04:30, 02-Aug-2018
3, 11.77, 23.7, 68, 740, 00 , 09:19:30, 02-Aug-2018
4, 13.60, 24.6, 66, 740, 00 , 09:34:30, 02-Aug-2018
5, 12.99, 25.4, 63, 740, 00 , 09:49:30, 02-Aug-2018
6, 11.62, 26.2, 59, 740, 00 , 10:04:30, 02-Aug-2018
7, 13.60, 27.0, 55, 740, 00 , 10:19:30, 02-Aug-2018
8, 14.41, 27.7, 50, 740, 00 , 10:34:30, 02-Aug-2018
9, 16.64, 28.5, 48, 740, 00 , 10:49:30, 02-Aug-2018
10, 16.19, 28.8, 45, 740, 00 , 11:04:30, 02-Aug-2018
11, 16.29, 29.0, 43, 740, 00 , 11:19:30, 02-Aug-2018
12, 16.50, 29.0, 43, 740, 00 , 11:34:30, 02-Aug-2018
13, 16.54, 29.6, 42, 740, 00 , 11:49:30, 02-Aug-2018
14, 16.81, 29.9, 40, 742, 00 , 12:04:30, 02-Aug-2018
15, 16.82, 30.1, 40, 740, 00 , 12:19:30, 02-Aug-2018
16, 15.49, 30.8, 39, 740, 00 , 12:34:30, 02-Aug-2018
17, 15.41, 31.2, 38, 740, 00 , 12:49:30, 02-Aug-2018
18, 16.01, 31.6, 37, 740, 00 , 13:04:30, 02-Aug-2018
19, 17.01, 31.9, 36, 740, 00 , 13:19:30, 02-Aug-2018
20, 16.26, 31.7, 36, 740, 00 , 13:34:30, 02-Aug-2018
21, 17.50, 31.1, 40, 740, 00 , 13:49:30, 02-Aug-2018
22, 19.28, 30.9, 43, 740, 00 , 14:04:30, 02-Aug-2018
23, 18.39, 30.9, 42, 740, 00 , 14:19:30, 02-Aug-2018
24, 18.61, 30.8, 41, 740, 00 , 14:34:30, 02-Aug-2018
25, 19.77, 30.5, 44, 740, 00 , 14:49:30, 02-Aug-2018
26, 17.90, 31.5, 43, 740, 00 , 15:04:30, 02-Aug-2018
27, 15.73, 35.4, 34, 740, 00 , 15:19:30, 02-Aug-2018
28, 16.51, 38.8, 25, 740, 00 , 15:34:30, 02-Aug-2018
29, 15.48, 38.6, 24, 740, 00 , 15:49:30, 02-Aug-2018
30, 14.44, 38.8, 23, 740, 00 , 16:04:30, 02-Aug-2018
31, 13.96, 40.7, 20, 740, 00 , 16:19:30, 02-Aug-2018
32, 13.92, 43.6, 18, 740, 00 , 16:34:30, 02-Aug-2018

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"Serial no. ", "0115249059"
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"Number ", 33
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 187.662258
"Max Disp @ ", 11:53:27 02-Aug-2018
"Max STEL ", 39.677361
"Max STEL @ ", 12:07:23 02-Aug-2018
"Avg point ", 15.032465
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 13.15, 20.3, 62, 742, 00 , 08:30:03, 02-Aug-2018
2, 14.89, 20.5, 68, 742, 00 , 08:45:03, 02-Aug-2018
3, 13.28, 20.9, 78, 742, 00 , 09:00:03, 02-Aug-2018
4, 13.50, 21.2, 77, 742, 00 , 09:15:03, 02-Aug-2018
5, 12.63, 21.7, 77, 742, 00 , 09:30:03, 02-Aug-2018
6, 12.01, 22.3, 76, 742, 00 , 09:45:03, 02-Aug-2018
7, 12.28, 23.0, 72, 742, 00 , 10:00:03, 02-Aug-2018
8, 13.32, 24.3, 66, 742, 00 , 10:15:03, 02-Aug-2018
9, 12.85, 25.1, 63, 742, 00 , 10:30:03, 02-Aug-2018
10, 12.86, 26.9, 56, 742, 00 , 10:45:03, 02-Aug-2018
11, 12.52, 28.3, 50, 742, 00 , 11:00:03, 02-Aug-2018
12, 12.72, 28.9, 46, 742, 00 , 11:15:03, 02-Aug-2018
13, 12.75, 28.8, 46, 742, 00 , 11:30:03, 02-Aug-2018
14, 13.94, 29.2, 45, 742, 00 , 11:45:03, 02-Aug-2018
15, 29.89, 30.5, 42, 742, 00 , 12:00:03, 02-Aug-2018
16, 26.76, 30.7, 40, 742, 00 , 12:15:03, 02-Aug-2018
17, 18.59, 31.1, 39, 742, 00 , 12:30:03, 02-Aug-2018
18, 24.19, 31.6, 38, 742, 00 , 12:45:03, 02-Aug-2018
19, 18.19, 31.8, 38, 742, 00 , 13:00:03, 02-Aug-2018
20, 12.77, 31.6, 38, 742, 00 , 13:15:03, 02-Aug-2018
21, 12.71, 31.6, 38, 742, 00 , 13:30:03, 02-Aug-2018
22, 13.08, 30.8, 40, 742, 00 , 13:45:03, 02-Aug-2018
23, 16.04, 30.0, 44, 742, 00 , 14:00:03, 02-Aug-2018
24, 14.12, 29.0, 46, 742, 00 , 14:15:03, 02-Aug-2018
25, 13.94, 28.7, 48, 742, 00 , 14:30:03, 02-Aug-2018
26, 15.61, 28.6, 49, 742, 00 , 14:45:03, 02-Aug-2018
27, 15.43, 28.2, 51, 742, 00 , 15:00:03, 02-Aug-2018
28, 14.82, 29.0, 50, 742, 00 , 15:15:03, 02-Aug-2018
29, 14.54, 30.4, 45, 742, 00 , 15:30:03, 02-Aug-2018
30, 12.78, 31.4, 41, 742, 00 , 15:45:03, 02-Aug-2018
31, 15.38, 31.4, 39, 742, 00 , 16:00:03, 02-Aug-2018
32, 12.48, 31.5, 39, 742, 00 , 16:15:03, 02-Aug-2018
33, 12.03, 31.7, 37, 742, 00 , 16:30:03, 02-Aug-2018

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"Tag Number ", 44
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"Log Period ", 00:15:00
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"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 216.906190
"Max Disp @ ", 14:37:28 02-Aug-2018
"Max STEL   ", 30.034118
"Max STEL @ ", 14:51:23 02-Aug-2018
"Avg point ", 12.735860
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 14.47, 18.0, 70, 742, 01 , 08:30:03, 02-Aug-2018
2, 14.52, 18.3, 76, 742, 03 , 08:45:03, 02-Aug-2018
3, 8.76, 18.5, 88, 742, 01 , 09:00:03, 02-Aug-2018
4, 8.16, 19.2, 88, 742, 00 , 09:15:03, 02-Aug-2018
5, 7.81, 20.3, 84, 742, 00 , 09:30:03, 02-Aug-2018
6, 9.65, 21.2, 79, 742, 00 , 09:45:03, 02-Aug-2018
7, 9.10, 22.2, 76, 742, 00 , 10:00:03, 02-Aug-2018
8, 11.45, 23.8, 69, 742, 00 , 10:15:03, 02-Aug-2018
9, 9.24, 25.1, 65, 742, 00 , 10:30:03, 02-Aug-2018
10, 10.04, 27.6, 58, 742, 00 , 10:45:03, 02-Aug-2018
11, 10.66, 29.8, 51, 742, 00 , 11:00:03, 02-Aug-2018
12, 12.16, 30.7, 46, 742, 00 , 11:15:03, 02-Aug-2018
13, 11.96, 30.7, 45, 744, 00 , 11:30:03, 02-Aug-2018
14, 13.31, 31.1, 45, 744, 00 , 11:45:03, 02-Aug-2018
15, 14.93, 32.3, 42, 744, 00 , 12:00:03, 02-Aug-2018
16, 14.36, 31.9, 41, 744, 00 , 12:15:03, 02-Aug-2018
17, 13.81, 32.1, 42, 744, 01 , 12:30:03, 02-Aug-2018
18, 12.94, 32.9, 41, 744, 00 , 12:45:03, 02-Aug-2018
19, 10.82, 32.8, 40, 744, 00 , 13:00:03, 02-Aug-2018
20, 12.28, 32.3, 40, 742, 00 , 13:15:03, 02-Aug-2018
21, 11.36, 32.3, 41, 742, 00 , 13:30:03, 02-Aug-2018
22, 9.21, 31.6, 42, 742, 00 , 13:45:03, 02-Aug-2018
23, 11.60, 30.6, 46, 742, 00 , 14:00:03, 02-Aug-2018
24, 13.94, 29.6, 49, 742, 00 , 14:15:03, 02-Aug-2018
25, 10.99, 29.0, 50, 742, 00 , 14:30:03, 02-Aug-2018
26, 25.55, 28.7, 52, 742, 00 , 14:45:03, 02-Aug-2018
27, 18.34, 28.5, 52, 742, 00 , 15:00:03, 02-Aug-2018
28, 16.78, 29.6, 51, 742, 00 , 15:15:03, 02-Aug-2018
29, 15.74, 31.0, 47, 742, 00 , 15:30:03, 02-Aug-2018
30, 13.16, 31.6, 44, 742, 00 , 15:45:03, 02-Aug-2018
31, 14.95, 32.1, 42, 742, 01 , 16:00:03, 02-Aug-2018
32, 13.57, 32.8, 40, 742, 00 , 16:15:03, 02-Aug-2018
33, 14.67, 33.3, 38, 742, 00 , 16:30:03, 02-Aug-2018

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"Serial no. ", "0115248913"
"Tag Number ", 19
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"Start Date ", 02-Aug-2018
"Log Period ", 00:15:00
"Number   ", 32
"CalFactor   ", 1.000000
"Unit   ", 0
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"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 23.578775
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"Max STEL   ", 18.704760
"Max STEL @ ", 14:47:37 02-Aug-2018
"Avg point ", 15.933672
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 16.59, 20.5, 79, 738, 03 , 08:51:47, 02-Aug-2018
2, 13.80, 21.5, 89, 742, 01 , 09:06:47, 02-Aug-2018
3, 12.54, 22.3, 87, 742, 00 , 09:21:47, 02-Aug-2018
4, 13.43, 23.4, 81, 742, 00 , 09:36:47, 02-Aug-2018
5, 15.71, 24.0, 77, 742, 00 , 09:51:47, 02-Aug-2018
6, 15.86, 25.1, 71, 742, 00 , 10:06:47, 02-Aug-2018
7, 16.47, 26.4, 65, 742, 00 , 10:21:47, 02-Aug-2018
8, 16.07, 27.5, 60, 742, 00 , 10:36:47, 02-Aug-2018
9, 16.09, 29.1, 55, 742, 00 , 10:51:47, 02-Aug-2018
10, 15.84, 30.3, 49, 742, 00 , 11:06:47, 02-Aug-2018
11, 15.81, 30.7, 47, 742, 00 , 11:21:47, 02-Aug-2018
12, 15.87, 30.9, 46, 742, 00 , 11:36:47, 02-Aug-2018
13, 15.43, 31.6, 45, 742, 00 , 11:51:47, 02-Aug-2018
14, 15.83, 31.7, 42, 742, 00 , 12:06:47, 02-Aug-2018
15, 16.24, 31.2, 44, 742, 00 , 12:21:47, 02-Aug-2018
16, 15.44, 31.7, 44, 742, 00 , 12:36:47, 02-Aug-2018
17, 15.35, 32.4, 42, 742, 00 , 12:51:47, 02-Aug-2018
18, 15.37, 32.7, 41, 742, 00 , 13:06:47, 02-Aug-2018
19, 15.74, 32.7, 41, 742, 00 , 13:21:47, 02-Aug-2018
20, 16.05, 32.6, 41, 742, 00 , 13:36:47, 02-Aug-2018
21, 17.38, 32.0, 44, 742, 00 , 13:51:47, 02-Aug-2018
22, 18.10, 31.4, 47, 742, 00 , 14:06:47, 02-Aug-2018
23, 18.01, 30.9, 48, 742, 00 , 14:21:47, 02-Aug-2018
24, 18.25, 30.6, 49, 742, 00 , 14:36:47, 02-Aug-2018
25, 18.47, 30.5, 52, 742, 00 , 14:51:47, 02-Aug-2018
26, 17.61, 31.1, 50, 740, 00 , 15:06:47, 02-Aug-2018
27, 16.74, 32.6, 47, 740, 00 , 15:21:47, 02-Aug-2018
28, 16.24, 33.4, 41, 740, 00 , 15:36:47, 02-Aug-2018
29, 15.68, 33.5, 41, 740, 00 , 15:51:47, 02-Aug-2018
30, 14.97, 34.1, 39, 740, 00 , 16:06:47, 02-Aug-2018
31, 14.41, 35.1, 37, 740, 00 , 16:21:47, 02-Aug-2018
32, 14.47, 35.8, 36, 740, 00 , 16:36:47, 02-Aug-2018

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"Tag Number ", 40
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"Start Date ", 02-Aug-2018
"Log Period ", 00:15:00
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"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 47.695909
"Max Disp @ ", 08:40:44 02-Aug-2018
"Max STEL ", 23.627665
"Max STEL @ ", 08:52:23 02-Aug-2018
"Avg point ", 11.757828
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 13.27, 19.9, 62, 744, 05 , 08:30:03, 02-Aug-2018
2, 21.78, 20.2, 67, 744, 00 , 08:45:03, 02-Aug-2018
3, 15.70, 20.6, 77, 744, 00 , 09:00:03, 02-Aug-2018
4, 14.19, 21.1, 78, 744, 00 , 09:15:03, 02-Aug-2018
5, 13.81, 22.0, 75, 744, 00 , 09:30:03, 02-Aug-2018
6, 14.41, 22.7, 71, 744, 00 , 09:45:03, 02-Aug-2018
7, 13.53, 23.5, 68, 744, 00 , 10:00:03, 02-Aug-2018
8, 13.55, 25.0, 62, 744, 00 , 10:15:03, 02-Aug-2018
9, 12.70, 26.1, 60, 744, 00 , 10:30:03, 02-Aug-2018
10, 11.68, 28.5, 52, 744, 00 , 10:45:03, 02-Aug-2018
11, 10.00, 30.8, 42, 744, 00 , 11:00:03, 02-Aug-2018
12, 9.83, 32.1, 37, 744, 00 , 11:15:03, 02-Aug-2018
13, 9.54, 32.3, 36, 744, 00 , 11:30:03, 02-Aug-2018
14, 9.26, 32.9, 35, 744, 00 , 11:45:03, 02-Aug-2018
15, 11.10, 34.3, 31, 744, 00 , 12:00:03, 02-Aug-2018
16, 9.94, 34.0, 31, 744, 00 , 12:15:03, 02-Aug-2018
17, 8.96, 34.2, 31, 744, 00 , 12:30:03, 02-Aug-2018
18, 9.05, 34.7, 30, 744, 00 , 12:45:03, 02-Aug-2018
19, 9.35, 34.4, 30, 744, 00 , 13:00:03, 02-Aug-2018
20, 10.26, 33.9, 32, 744, 00 , 13:15:03, 02-Aug-2018
21, 9.45, 34.1, 31, 744, 00 , 13:30:03, 02-Aug-2018
22, 10.25, 33.5, 32, 742, 00 , 13:45:03, 02-Aug-2018
23, 11.43, 32.1, 37, 742, 00 , 14:00:03, 02-Aug-2018
24, 12.20, 30.9, 40, 742, 00 , 14:15:03, 02-Aug-2018
25, 12.51, 30.2, 43, 742, 00 , 14:30:03, 02-Aug-2018
26, 13.17, 29.9, 46, 742, 00 , 14:45:03, 02-Aug-2018
27, 13.29, 29.6, 46, 742, 00 , 15:00:03, 02-Aug-2018
28, 12.31, 30.3, 45, 742, 00 , 15:15:03, 02-Aug-2018
29, 11.45, 31.2, 41, 742, 00 , 15:30:03, 02-Aug-2018
30, 10.52, 31.9, 38, 742, 00 , 15:45:03, 02-Aug-2018
31, 10.54, 32.3, 36, 742, 00 , 16:00:03, 02-Aug-2018
32, 9.84, 32.8, 34, 742, 00 , 16:15:03, 02-Aug-2018
33, 9.80, 33.2, 32, 742, 00 , 16:30:03, 02-Aug-2018
34, 12.81, 33.1, 34, 742, 03 , 16:45:03, 02-Aug-2018
35, 10.06, 34.2, 30, 742, 00 , 17:00:03, 02-Aug-2018

DAILY OBSERVATION REPORT

Report No.:	55	Project File:	MN0832D	Date:	08/03/2018

Geosyntec consultants

engineers | scientists | innovators

Beech and Bonaparte engineering p.c.

an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Jim Burnett

Site Representative: Ashwin Ranna

Arrive at Site: 0700hrs. Leave Site: 1800hrs.

Contractor: Recon

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Intermittent light to medium rain	am	Intermittent light rain	Pm
Temperature:	64° F	am	~76° F	Pm
Wind Direction:	Calm	am	5 SSE	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☐	N/A ☒
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 55 Project File: MN0832D Date: 08/03/2018

Materials Imported and Removed from Work Areas

As of 02 August 2018:

TSCA Soil Removal:

Total Loads today: 10 Total Loads to date: 298

Weight: 22 tons/each Total Weight to date: ~7190Tons

Non Haz Soil Removal:

Total Loads today: 13 Total Loads to date: 111

Weight: 20-33 tons/each Total Weight to date: ~2763Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 2 Total Loads to date: 17

Weight: 41.50 Tons Total Weight to date: ~334Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 2 Total Loads to date: 5

Weight: 43.32 Tons Total Weight to date: 175 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~210

Weight: ~22 Tons/each Total Weight to date: ~4601Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	55	Project File:	MN0832D	Date:	08/03/2018

Summary of Events

AM

- Geosyntec arrived on site at 0700. Attended Recon safety meeting. Recon planned to continue TSCA loadout and Non Haz loadout and excavate Non-Haz material in the Central section of the site. Recon also planned to expose the water line and complete excavation within phase 3. Rain was observed on arrival to site and was expected to continue throughout the day. Geosyntec did not deploy dust monitors.
- Surveyor was on site to carry out final excavation survey for the areas in phase 2 around the utility lines.
- Geosyntec held the safety tailgate meeting and planned the day's activities, including reviewing samples to be collected. Geosyntec continued sampling and labelling throughout the day. Geosyntec personnel were assigned to the MSA for Non Haz loading and the RPL for TSCA loadout and backfill CQA.
- TSCA truck and Non Haz truck loading took place throughout the day. Geosyntec collected the samples along the eastern edge of the excavation. Removal of Non haz material in the eastern edge of the site continued throughout the day. Remaining material from piles 105 and 106 were moved to the MSA prior in order to excavate the Non Haz material below them.
- Excavation continued to expose the water pipeline to the south of the break. Recon again came across an unknown utility in the excavation pit. The pipe appears to be double walled and currently extends beyond the excavation limits. The pipes use has not been determined.
- Approximately 11,000 gallons of water from the frac tank at the MSA was shipped off offsite for disposal.
- Preparations were made to repair pipe break between gas and electric lines. Repairs to that section are currently scheduled for Sunday.
- School contractor continued installing piles within phase 1. Work continued throughout the day.
- Scott Williams of DEC arrived on site in the first half of the day. He inspected the excavation and inspected the sub slab work happening within the school. He took several photos of the concrete structures and inspected RPL and MSA.
- Non Haz material was excavated from the north east portion of the site and sent to the MSA where it was loaded for dispatch. Additional metal trash and rust discolored material was located along the edge of the excavation.
- Recon sprayed water around the site multiple times during the day. Reuse material from the MSA was brought to the RPL and compacted.

PM

- Samples collected were packed and prepare to be shipped.
- Scott Williams remained on site till 1500. He took photos of the excavation progress and inspected the exposed concrete structures.
- Sample location for documentation samples were GPS'd. Samples within the area expected to be backfilled were collected and sent to the lab for analysis.
- Excavation was stopped around 1500 to prepare for backfill tomorrow. Final excavation levels have been reached at the north eastern edge of the excavation. Geotextile and demarcation fabric were spread along the top of the excavation.
- Recon shut down site and left at 1700.
- AR completed a SWPPP inspection and checked sumps and silt fences. Geosyntec continued to pack samples till 1800. GWK left site to ship samples at 1730. Generator was left running as rain was expected overnight and sump pump would require power.
- Geosyntec shut down and left site at 1800.

Report No.: 55 Project File: MN0832D Date: 08/03/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Patrick Carr
- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Rich Tonnucour
- Seth Lovell (Hunt for Recon)
- (Recon labor) X15

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- CAT 725 Haul truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	NYSDEC	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: NA

ITEMS OF CONCERN:

DAILY OBSERVATION REPORT

Report No.:	55	Project File:	MN0832D	Date:	08/03/2018

Site Representative: Ashwin Ranna

Date: 08/03/2018

Name (Signature):



Report No.: 55 Project File: MN0832D Date: 08/03/2018

Photo Log
Date : 08/03/2018

	
Revealing pipe within excavation to south of break	Sampling side slopes along utility
	
Placing geotextile along excavation bottoms	Revealing break in water line in preparation for repairs

Report No.: 55 Project File: MN0832D Date: 08/03/2018

Photo Log

Date : 08/03/2018

	
Decon of Haul trucks in MSA	Metals trash in side wall of excavation
	
Non Haz pile at MSA	Site overview at end of day

Report No.: 55 Project File: MN0832D Date: 08/03/2018

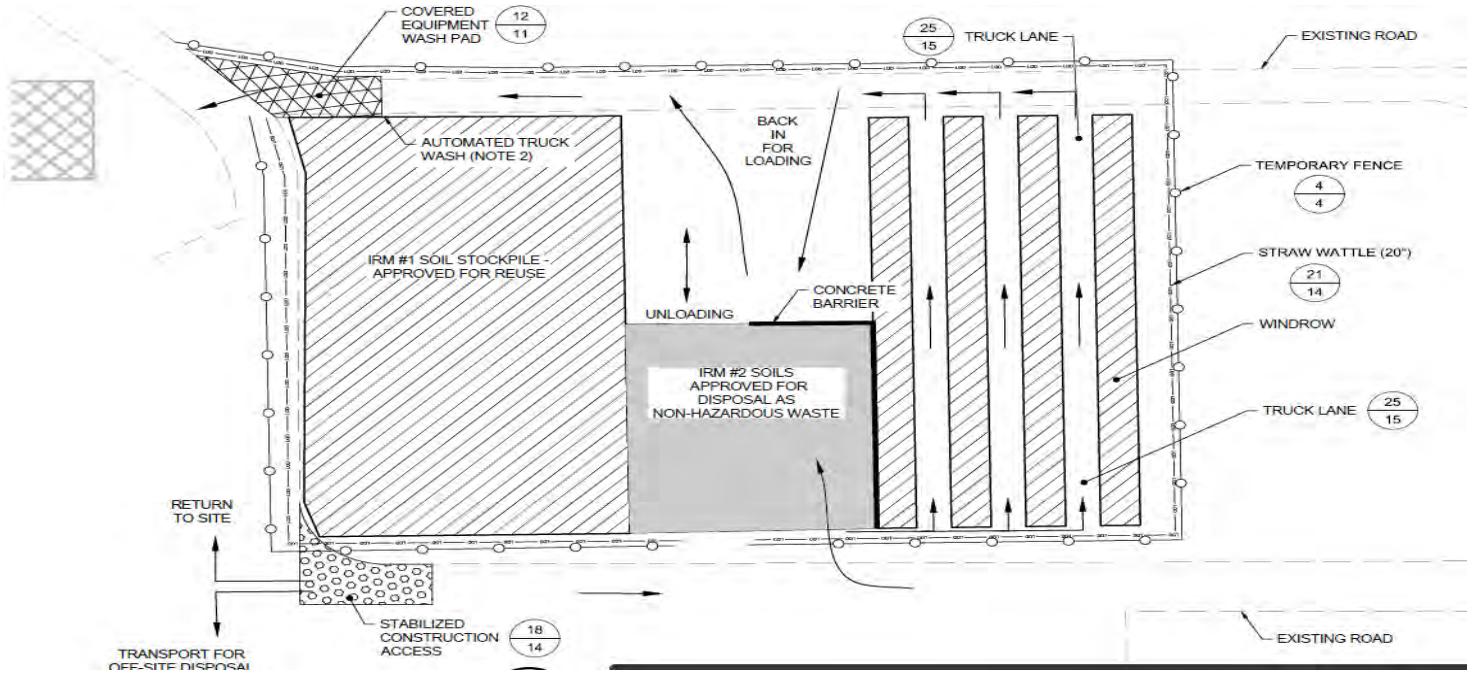
Site Map

Rear Parking Lot



MSA

N



DAILY OBSERVATION REPORT

Report No.:	56	Project File:	MN0832D	Date:	08/04/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Jim Burnett

Site Representative: Ashwin Ranna

Arrive at Site: 0730hrs. Leave Site: 1700hrs.

Contractor: Recon

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Light Fog	am	Clear and Sunny	Pm
Temperature:	64° F	am	~76° F	Pm
Wind Direction:	Calm	am	5 SSE	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☒	No ☐	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 56 Project File: MN0832D Date: 08/04/2018

Materials Imported and Removed from Work Areas

As of 02 August 2018:

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 298

Weight: tons/each Total Weight to date: ~7190Tons

Non Haz Soil Removal:

Total Loads today: 0 Total Loads to date: 111

Weight: tons/each Total Weight to date: ~2763Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: Tons Total Weight to date: 175 Tons

Imported Common Fill:

Total Loads today: 47 Total Loads to date: ~971

Weight: ~21 Tons/each Total Weight to date: ~5653Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	56	Project File:	MN0832D	Date:	08/04/2018

Summary of Events

AM

- Geosyntec arrived on site at 0730. Attended Recon safety meeting Recon planned to use Clean fill to backfill the approved areas. No excavation was planned for the day and the MSA would not be active. Geosyntec deployed dust monitors around the RPL.
- Geosyntec held the safety tailgate meeting and planned the day's activities, including reviewing samples to be collected. Geosyntec continued sampling and labelling throughout the day. ATL technician arrived on site and carried out testing on compacted lifts.
- School contractor was not working within phase 1.
- Recon sprayed water around the site multiple times during the day. Reuse material from the MSA was brought to the RPL and compacted.

PM

- Samples collected were packed and prepare to be shipped. Locations of samples were GPS'd Samples were kept on ice.
- Additional Clean backfill material (Item 4) was brought to the site and unloaded on top of clean fill in the western section. Material was very wet and could not be spread immediately. Material was left to dry out and will be compacted in a lift tomorrow. Excess material will be piled up and tarped.
- During sample collection a third utility pipe was located along the edge of the excavation. Utility has been marked and care will be taken during work going forward.
- Water trucks were run on site multiple times though the day to control dust.
- AR completed a SWPPP inspection and checked sumps and silt fences. Dust monitors were collected, and data downloaded.
- Geosyntec shut down and left site at 1700.

DAILY OBSERVATION REPORT

Report No.: 56 Project File: MN0832D Date: 08/04/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Patrick Carr
- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Rich Tonnucour
- Scott Earley
- Seth Lovell (Hunt for Recon)
- (Recon labor) X15

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- CAT 725 Haul truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: NA

ITEMS OF CONCERN:

We had one monitor with a trigger level reading in the RPL but no threshold exceedances.

Site Representative: Ashwin Ranna

Date: 08/04/2018

Name (Signature):



Report No.: 56 Project File: MN0832D Date: 08/04/2018

Photo Log
Date : 08/04/2018

	
Compacting material in North east section of site	Compacting around concrete structures
	
Water truck to mitigate dust	Site at end of day. Showing areas where backfill has been completed

DAILY OBSERVATION REPORT

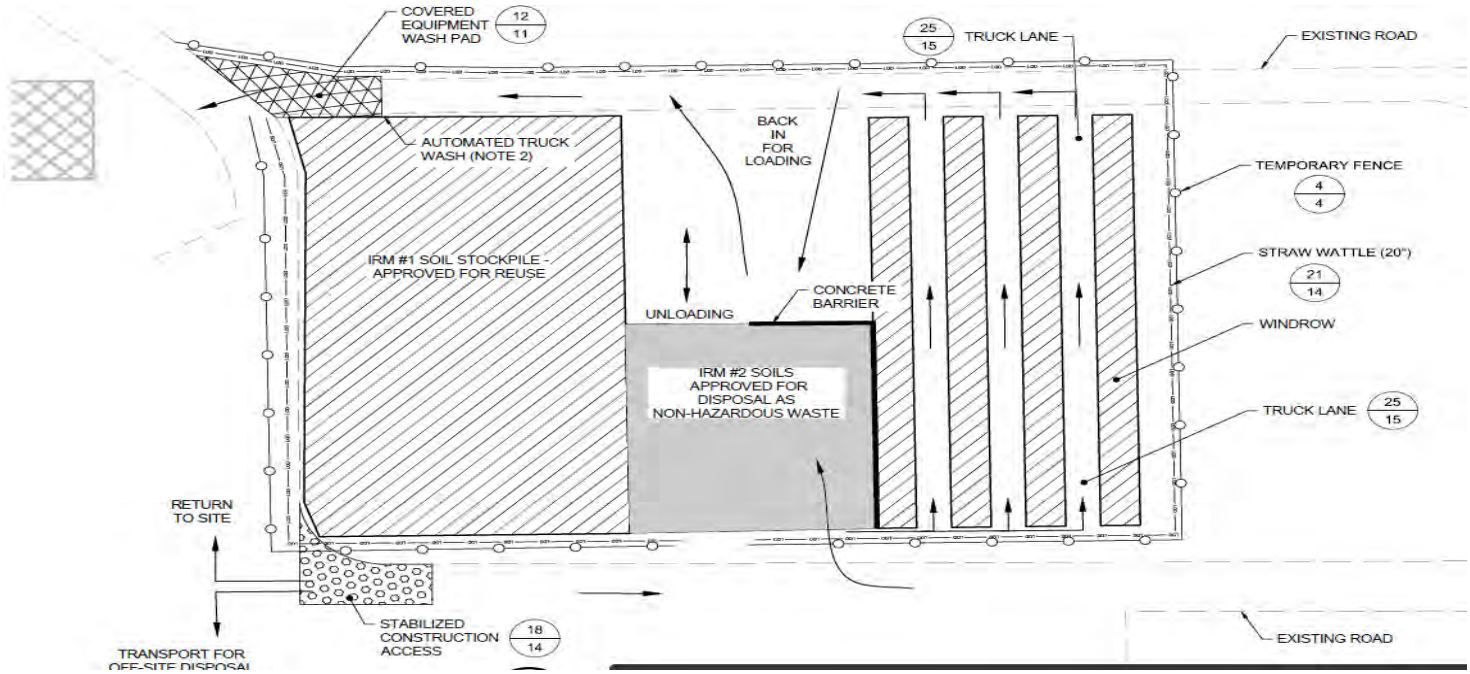
Report No.:	56	Project File:	MN0832D	Date:	08/04/2018

Site Map

Rear Parking Lot

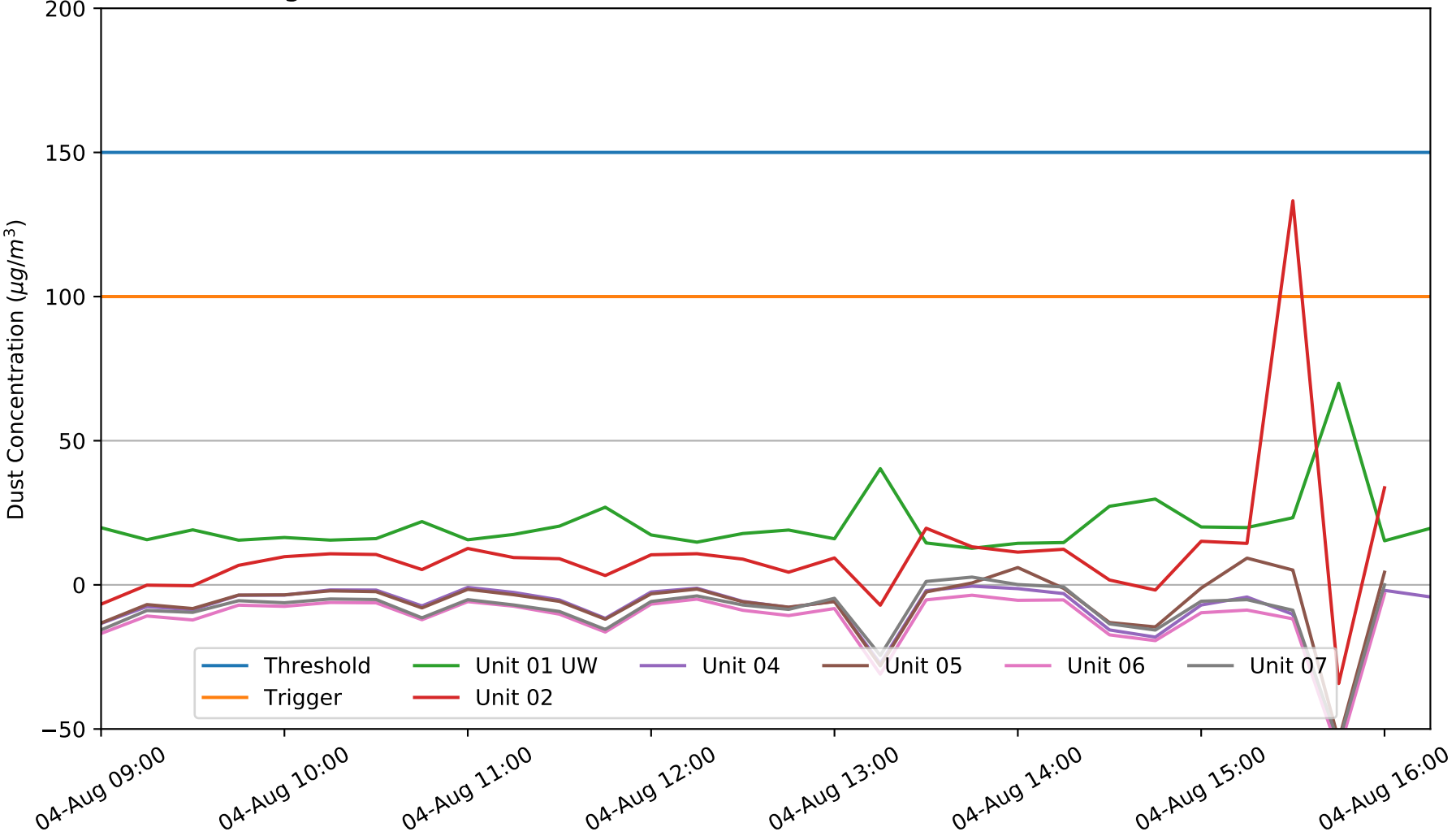


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 04-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 04-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 05	Unit 01 UW	Unit 07	Unit 02	Unit 06	Unit 04	Threshold	Trigger
2018-08-04 09:00:00	-13.24	19.83	-15.63	-6.71	-16.87	-13.39	150	100
2018-08-04 09:15:00	-6.84	15.66	-8.9	-0.11	-10.81	-7.54	150	100
2018-08-04 09:30:00	-8.22	19.09	-9.54	-0.3	-12.18	-8.64	150	100
2018-08-04 09:45:00	-3.54	15.5	-5.5	6.77	-7.04	-3.61	150	100
2018-08-04 10:00:00	-3.47	16.43	-6.21	9.77	-7.45	-3.55	150	100
2018-08-04 10:15:00	-2.08	15.52	-4.9	10.78	-6.11	-1.76	150	100
2018-08-04 10:30:00	-2.37	16.04	-5.09	10.53	-6.24	-1.81	150	100
2018-08-04 10:45:00	-8	21.95	-11.44	5.3	-12.1	-7.3	150	100
2018-08-04 11:00:00	-1.55	15.64	-5.14	12.63	-5.82	-0.88	150	100
2018-08-04 11:15:00	-3.42	17.49	-6.97	9.47	-7.4	-2.62	150	100
2018-08-04 11:30:00	-5.73	20.37	-9.24	9.07	-10.17	-5.23	150	100
2018-08-04 11:45:00	-11.92	26.94	-15.47	3.23	-16.37	-11.61	150	100
2018-08-04 12:00:00	-3.11	17.31	-5.77	10.43	-6.69	-2.47	150	100
2018-08-04 12:15:00	-1.47	14.81	-3.83	10.8	-4.95	-1.16	150	100
2018-08-04 12:30:00	-5.89	17.81	-6.99	8.92	-8.82	-5.73	150	100
2018-08-04 12:45:00	-7.74	19.02	-8.51	4.39	-10.65	-7.82	150	100
2018-08-04 13:00:00	-5.79	15.98	-4.66	9.33	-8.21	-5.72	150	100
2018-08-04 13:15:00	-28.1	40.32	-24.49	-7.07	-30.99	-27.3	150	100
2018-08-04 13:30:00	-2.47	14.53	1.18	19.65	-5.2	-1.99	150	100
2018-08-04 13:45:00	0.67	12.69	2.69	13.2	-3.6	-0.45	150	100
2018-08-04 14:00:00	6	14.41	0.1	11.34	-5.36	-1.31	150	100
2018-08-04 14:15:00	-1.21	14.67	-0.72	12.34	-5.22	-3.03	150	100
2018-08-04 14:30:00	-13.07	27.26	-13.53	1.68	-17.34	-15.63	150	100
2018-08-04 14:45:00	-14.59	29.76	-15.68	-1.8	-19.35	-18.12	150	100
2018-08-04 15:00:00	-1.12	20.09	-5.68	15.12	-9.67	-6.99	150	100
2018-08-04 15:15:00	9.27	19.88	-5.14	14.38	-8.75	-4.22	150	100
2018-08-04 15:30:00	5.14	23.28	-8.8	133.24	-11.78	-10.2	150	100
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18, 15.83, 54.6, 13, 742, 00 , 13:15:03, 04-Aug-2018
19, 15.71, 54.4, 13, 742, 00 , 13:30:03, 04-Aug-2018
20, 15.38, 53.8, 14, 742, 00 , 13:45:03, 04-Aug-2018
21, 14.51, 53.0, 14, 742, 00 , 14:00:03, 04-Aug-2018
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26, 14.74, 46.1, 20, 740, 00 , 15:15:03, 04-Aug-2018
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9, 28.27, 25.5, 53, 742, 00 , 11:00:03, 04-Aug-2018
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12, 30.17, 29.1, 41, 742, 00 , 11:45:03, 04-Aug-2018
13, 27.74, 29.6, 39, 742, 00 , 12:00:03, 04-Aug-2018
14, 25.61, 30.5, 32, 742, 00 , 12:15:03, 04-Aug-2018
15, 26.73, 31.4, 29, 742, 00 , 12:30:03, 04-Aug-2018
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17, 25.31, 32.6, 23, 742, 00 , 13:00:03, 04-Aug-2018
18, 33.25, 33.2, 30, 742, 00 , 13:15:03, 04-Aug-2018
19, 34.18, 33.6, 24, 742, 00 , 13:30:03, 04-Aug-2018
20, 25.89, 34.2, 22, 742, 00 , 13:45:03, 04-Aug-2018
21, 25.75, 34.8, 20, 742, 00 , 14:00:03, 04-Aug-2018
22, 27.01, 35.2, 18, 742, 00 , 14:15:03, 04-Aug-2018
23, 28.94, 35.8, 17, 742, 00 , 14:30:03, 04-Aug-2018
24, 27.96, 36.6, 17, 742, 00 , 14:45:03, 04-Aug-2018
25, 35.21, 37.3, 17, 742, 00 , 15:00:03, 04-Aug-2018
26, 34.26, 38.3, 15, 742, 00 , 15:15:03, 04-Aug-2018
27, 156.52, 39.2, 15, 742, 00 , 15:30:03, 04-Aug-2018
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16, 8.37, 39.9, 25, 742, 00 , 12:45:03, 04-Aug-2018
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18, 9.33, 39.0, 27, 740, 00 , 13:15:03, 04-Aug-2018
19, 9.33, 39.0, 27, 740, 00 , 13:30:03, 04-Aug-2018
20, 9.09, 39.5, 26, 740, 00 , 13:45:03, 04-Aug-2018
21, 9.05, 39.5, 25, 740, 00 , 14:00:03, 04-Aug-2018
22, 9.45, 40.1, 24, 740, 00 , 14:15:03, 04-Aug-2018
23, 9.92, 40.9, 23, 740, 00 , 14:30:03, 04-Aug-2018
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25, 10.42, 41.5, 22, 740, 00 , 15:00:03, 04-Aug-2018
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27, 11.50, 41.8, 22, 740, 00 , 15:30:03, 04-Aug-2018
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"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
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19, 12.54, 37.1, 31, 742, 00 , 13:30:03, 04-Aug-2018
20, 12.24, 36.7, 31, 742, 00 , 13:45:03, 04-Aug-2018
21, 13.10, 36.4, 31, 742, 00 , 14:00:03, 04-Aug-2018
22, 11.64, 36.1, 31, 742, 00 , 14:15:03, 04-Aug-2018
23, 11.63, 35.9, 31, 742, 00 , 14:30:03, 04-Aug-2018
24, 11.64, 35.9, 32, 742, 00 , 14:45:03, 04-Aug-2018
25, 13.10, 36.2, 31, 742, 00 , 15:00:03, 04-Aug-2018
26, 15.66, 36.6, 31, 742, 00 , 15:15:03, 04-Aug-2018
27, 13.08, 36.9, 30, 742, 00 , 15:30:03, 04-Aug-2018
28, 12.85, 37.3, 29, 742, 00 , 15:45:03, 04-Aug-2018
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DAILY OBSERVATION REPORT

Report No.:	57	Project File:	MN0832D	Date:	08/05/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Kamau Wanjiru

Site Representative: Ashwin Ranna

Arrive at Site: 0700hrs. Leave Site: 1030hrs.

Contractor: Recon

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Light Fog	am	Clear and Sunny	Pm
Temperature:	67° F	am	~90 F	Pm
Wind Direction:	Calm	am	3 SE	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 57 Project File: MN0832D Date: 08/05/2018

Materials Imported and Removed from Work Areas

As of 4 August 2018:

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 298

Weight: tons/each Total Weight to date: ~7190Tons

Non Haz Soil Removal:

Total Loads today: 0 Total Loads to date: 111

Weight: tons/each Total Weight to date: ~2763Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: Tons Total Weight to date: 175 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~972

Weight: Tons/each Total Weight to date: ~5673Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

DAILY OBSERVATION REPORT

Report No.:	57	Project File:	MN0832D	Date:	08/05/2018

Summary of Events

AM

- Geosyntec arrived on site at 0700. Geosyntec held a safety meeting and deployed the dust monitors in the RPL only. No activities are planned in the MSA for today.
- Recon began repairs to the pipe at the section between electric and gas lines.
- Recon compacted the lift in the western section.
- Pipe repairs were completed at 1000. Compaction was completed, and equipment was shut down at 1030.
- Dust monitors were collected, and data downloaded no exceedances were observed.
- Site was shut down and Geosyntec left at 1030.

DAILY OBSERVATION REPORT

Report No.:	57	Project File:	MN0832D	Date:	08/05/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Brian Kilkenny
- Addison Hofferth
- (Recon labor) X3

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- CAT 725 Haul truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: NA

ITEMS OF CONCERN:

Site Representative: Ashwin Ranna

Date: 08/05/2018

Name (Signature):



DAILY OBSERVATION REPORT

Report No.:	57	Project File:	MN0832D	Date:	08/05/2018

Photo Log
Date : 08/05/2018

	
Cutting out broken section of pipe	Compacting material around western edge of site
	
Replacing pipe section	

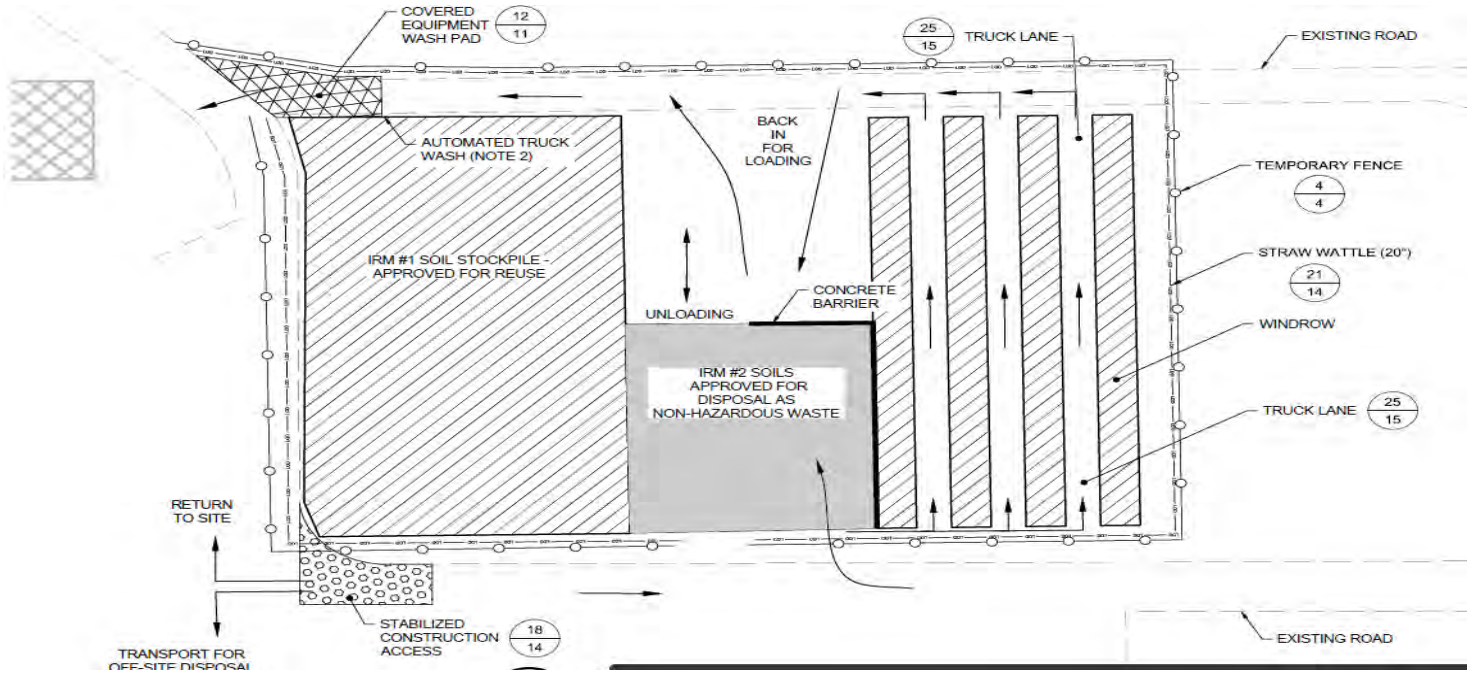
Report No.:	57	Project File:	MN0832D	Date:	08/05/2018

Site Map

Rear Parking Lot

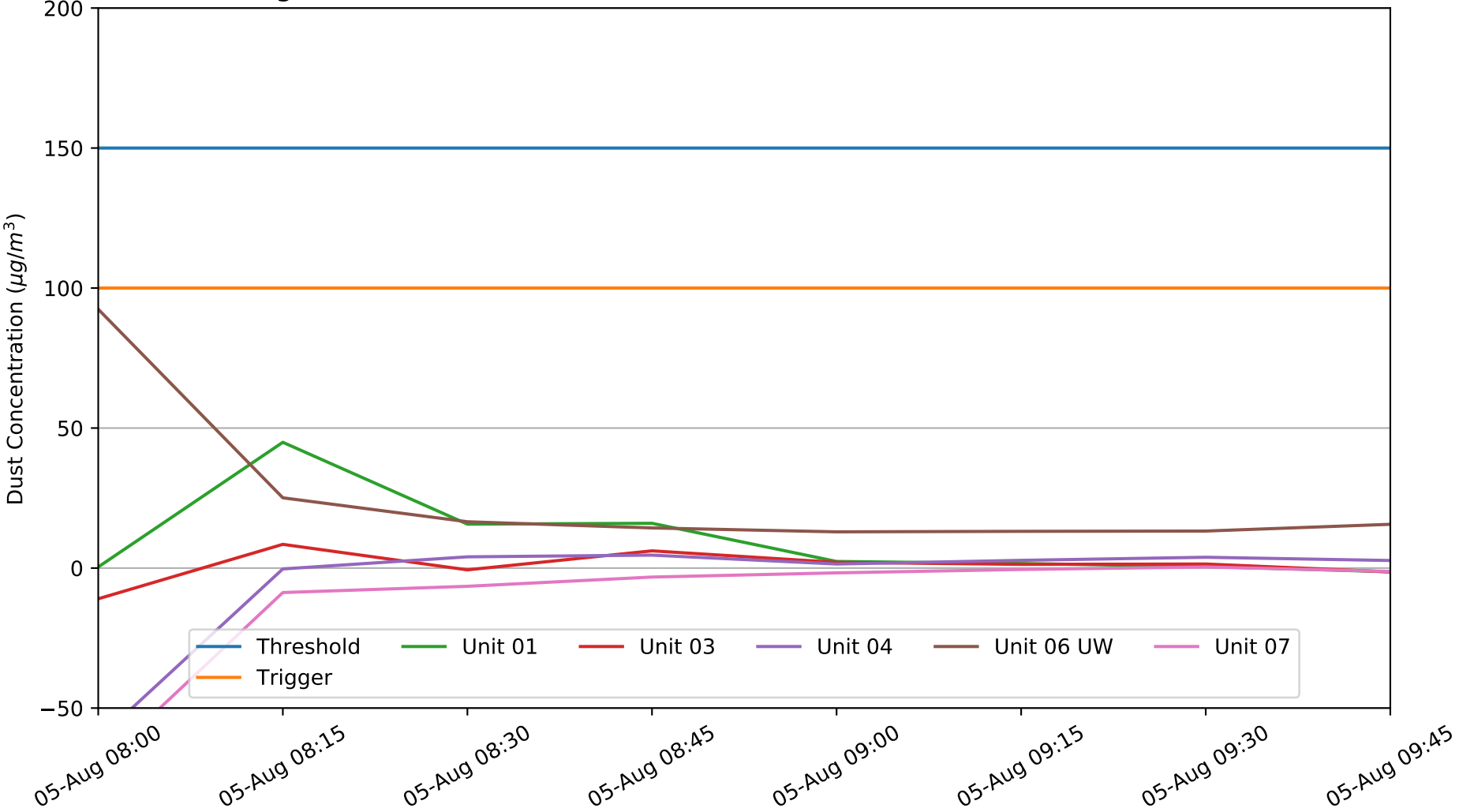


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 05-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



DAILY OBSERVATION REPORT

Report No.:	58	Project File:	MN0832D	Date:	08/06/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Jim Burnett

Site Representative: Ashwin Ranna

Arrive at Site: 0645hrs. Leave Site: 1800hrs.

Contractor: Recon

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Light Fog	am	Clear and Sunny	Pm
Temperature:	69° F	am	~92° F	Pm
Wind Direction:	Calm	am	5 SSE	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☒	No ☐	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 58 Project File: MN0832D Date: 08/06/2018

Materials Imported and Removed from Work Areas

As of 06 August 2018:

TSCA Soil Removal:

Total Loads today: 18 Total Loads to date: 316

Weight: 20 tons/each Total Weight to date: ~7550Tons

Non Haz Soil Removal:

Total Loads today: 24 Total Loads to date: 135

Weight: 20-33tons/each Total Weight to date: ~3295Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: Tons Total Weight to date: 175 Tons

Imported Common Fill:

Total Loads today: 19 Total Loads to date: ~990

Weight: ~21 Tons/each Total Weight to date: ~6052Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	58	Project File:	MN0832D	Date:	08/06/2018

Summary of Events

AM

- Geosyntec arrived on site at 0645. Attended Recon safety meeting. Recon planned to use imported fill to backfill the approved areas. Work was to be focused on Phase 2 areas to meet the schedule of handing over to Welliver on Wednesday. Geosyntec deployed dust monitors around the site and TISCH samples across the site.
- Geosyntec held the safety tailgate meeting and planned the day's activities, including reviewing samples to be collected. ATL technician arrived on site and carried out testing on compacted lifts.
- School contractor continued working within phase 1. Piles were preparations were made to backfill around piles.
- Recon sprayed water around the site multiple times during the day. TSCA material shipping and non Haz material shipping continued through the end of the day.
- Recon continued to excavate non Haz and reuse material within the site. Reuse material was sent down to the MSA and staged in windrows for characterization. Non Haz material was sent to the Non Haz portion of the MSA and prepared for loadout.
- Tim Schneider and Scott Williams from the DEC visited site and inspected work progress. Tim inspected the pipe repairs at the back of the K wing and recommended reseeding the grass near the mulch beds. DEC left site around 1115.
- Recon completed pipe repair in the section between gas and electric lines. After placing concrete around the bend, backfill was completed around the pipe section.

PM

- Samples collected were packed and prepare to be shipped. Locations of samples were GPS'd
- Non haz material abpve the N-S running sewer line and to the South west of the site was excavated and shipped to the MSA.
- Backfill and compaction continued till 1700. Recon began shutting down site and employees were offsite at 1715
- AR completed a SWPPP inspection and checked sumps and silt fences. Dust monitors were collected, and data downloaded. GWK left site to ship samples via Fedex.
- Geosyntec shut down and left site at 1800.

Report No.: 58 Project File: MN0832D Date: 08/06/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Rich Tonnucour
- Scott Earley
- (Recon labor) X17

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- CAT 725 Haul truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Tim Schneider	NYSDEC	Yes
Scott Williams	NYSDEC	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: NA

ITEMS OF CONCERN:

We did not turn off one of the monitors during collection and during movement high readings were recorded. No exceedances were recorded in the MSA.

DAILY OBSERVATION REPORT

Report No.:	58	Project File:	MN0832D	Date:	08/06/2018

Site Representative: Ashwin Ranna

Date: 08/06/2018

Name (Signature):



Report No.:	58	Project File:	MN0832D	Date:	08/06/2018

Photo Log
Date : 08/06/2018

	
Excavation and loading of TSCA excavators	Backfilling and compaction of clean fill
	
Compacting fill above repaired pipe	Non haz loadout in MSA

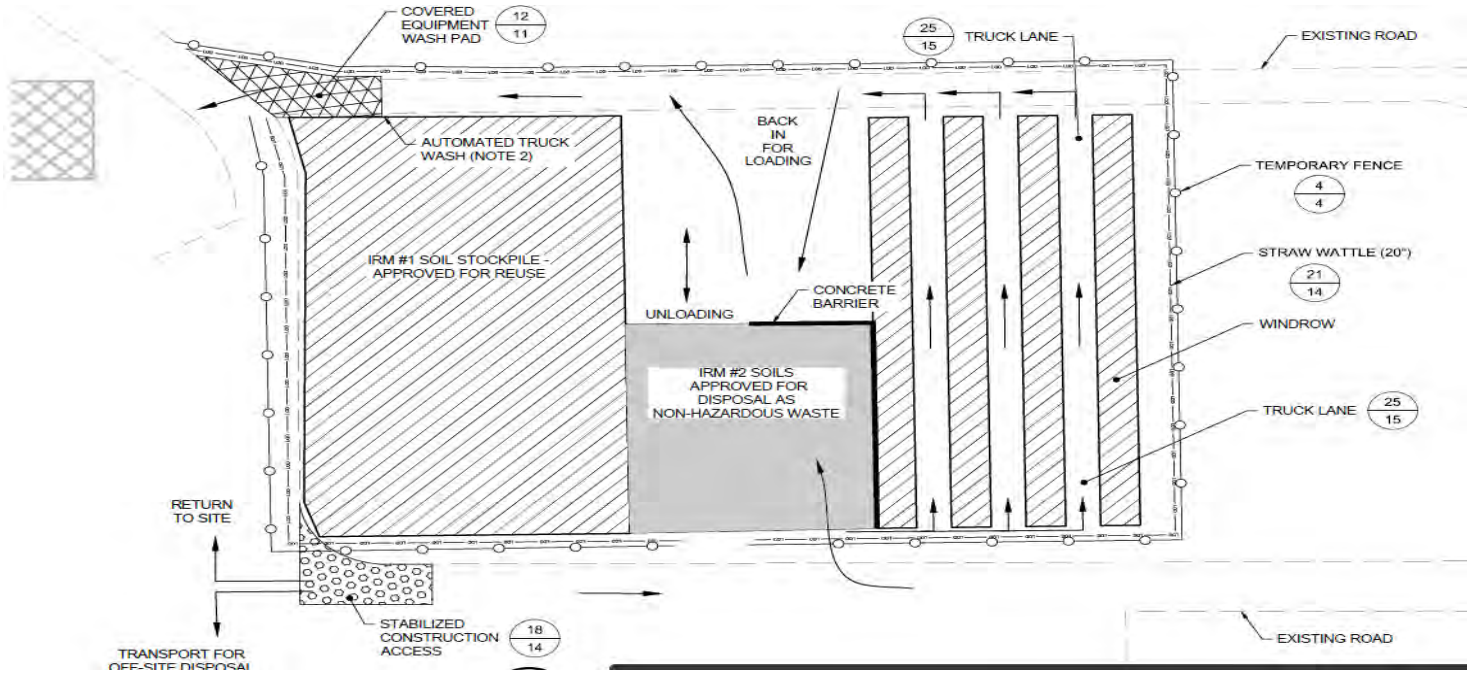
Report No.:	58	Project File:	MN0832D	Date:	08/06/2018

Site Map

Rear Parking Lot

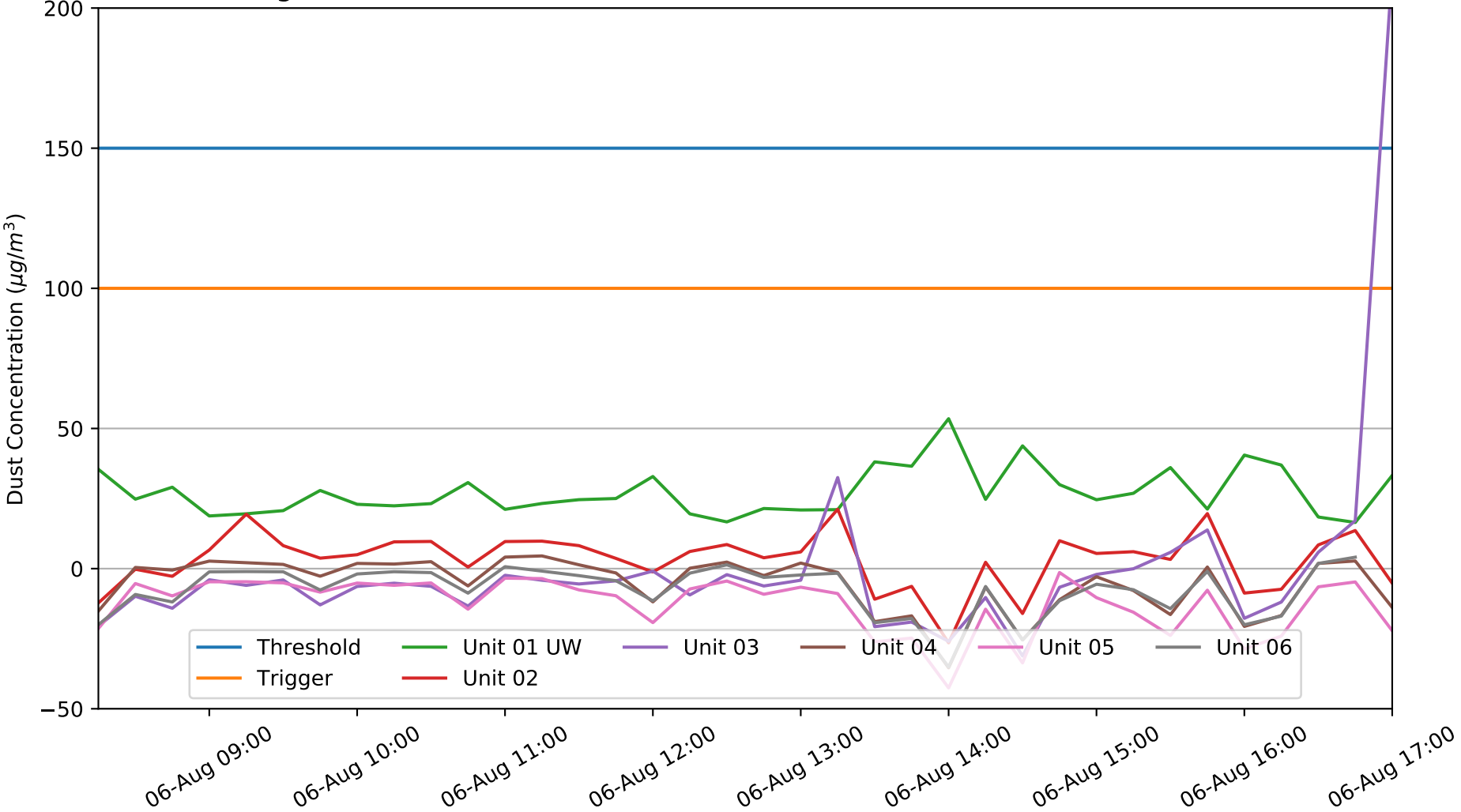


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 06-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 06-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 06	Unit 05	Unit 03	Unit 02	Unit 01 UW	Unit 04	Threshold	Trigger
2018-08-06 08:15:00	-20.01	-21.37	-20.49	-12.25	35.42	-15.15	150	100
2018-08-06 08:30:00	-9.22	-5.32	-9.86	-0.22	24.78	0.42	150	100
2018-08-06 08:45:00	-11.9	-9.74	-14.14	-2.75	29.05	-0.52	150	100
2018-08-06 09:00:00	-1.14	-4.7	-3.98	6.64	18.79	2.68	150	100
2018-08-06 09:15:00	-1.04	-4.68	-5.98	19.41	19.56	2.11	150	100
2018-08-06 09:30:00	-1.12	-5.08	-4.04	8.2	20.69	1.5	150	100
2018-08-06 09:45:00	-7.63	-8.39	-12.94	3.73	27.89	-2.71	150	100
2018-08-06 10:00:00	-1.91	-5.15	-6.36	4.96	22.95	1.86	150	100
2018-08-06 10:15:00	-1.1	-5.96	-5.2	9.55	22.4	1.63	150	100
2018-08-06 10:30:00	-1.42	-5.1	-6.32	9.69	23.19	2.48	150	100
2018-08-06 10:45:00	-8.75	-14.47	-13.37	0.55	30.7	-6.18	150	100
2018-08-06 11:00:00	0.69	-3.41	-2.37	9.66	21.14	4.11	150	100
2018-08-06 11:15:00	-0.88	-3.56	-4.15	9.8	23.24	4.53	150	100
2018-08-06 11:30:00	-2.5	-7.58	-5.48	8.2	24.6	1.36	150	100
2018-08-06 11:45:00	-4.31	-9.68	-4.38	3.65	25.01	-1.54	150	100
2018-08-06 12:00:00	-11.48	-19.26	-0.88	-1.18	32.87	-11.87	150	100
2018-08-06 12:15:00	-1.61	-7.27	-9.39	6.11	19.54	0.14	150	100
2018-08-06 12:30:00	1.35	-4.43	-2.14	8.59	16.67	2.33	150	100
2018-08-06 12:45:00	-3.14	-9.15	-6.2	3.87	21.45	-2.48	150	100
2018-08-06 13:00:00	-2.26	-6.62	-4.14	5.96	20.92	1.98	150	100
2018-08-06 13:15:00	-1.64	-8.9	32.5	21.19	21.04	-1.36	150	100
2018-08-06 13:30:00	-19.28	-26.12	-20.71	-10.92	38.09	-18.92	150	100
2018-08-06 13:45:00	-17.78	-24.77	-19.07	-6.33	36.53	-16.85	150	100
2018-08-06 14:00:00	-35.08	-42.56	-25.95	-26.49	53.49	-35.39	150	100
2018-08-06 14:15:00	-6.37	-14.47	-10.3	2.27	24.7	-6.56	150	100
2018-08-06 14:30:00	-25.43	-33.64	-31.17	-16.02	43.8	-25.45	150	100
2018-08-06 14:45:00	-11.45	-1.38	-6.66	9.95	29.97	-11.1	150	100
2018-08-06 15:00:00	-5.57	-10.36	-2.07	5.41	24.57	-2.89	150	100
2018-08-06 15:15:00	-7.53	-15.56	-0.05	6.04	26.88	-7.83	150	100
2018-08-06 15:30:00	-14.28	-23.84	5.8	3.28	36.06	-16.4	150	100
2018-08-06 15:45:00	-0.98	-7.7	13.79	19.63	21.24	0.58	150	100
2018-08-06 16:00:00	-20.03	-28.66	-17.73	-8.73	40.51	-20.62	150	100
2018-08-06 16:15:00	-16.94	-24.08	-11.93	-7.37	36.95	-16.75	150	100
2018-08-06 16:30:00	1.85	-6.5	5.83	8.45	18.41	1.85	150	100
2018-08-06 16:45:00	4.07	-4.75	17.11	13.59	16.47	2.73	150	100
2018-08-06 17:00:00		-22.15	213.72	-5.21	33.26	-13.85	150	100

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1, 15.41, 22.7, 72, 738, 03 , 08:18:58, 06-Aug-2018
2, 15.56, 24.2, 70, 742, 00 , 08:33:58, 06-Aug-2018
3, 17.15, 25.8, 66, 742, 00 , 08:48:58, 06-Aug-2018
4, 17.65, 27.3, 61, 742, 00 , 09:03:58, 06-Aug-2018
5, 18.52, 29.0, 57, 742, 00 , 09:18:58, 06-Aug-2018
6, 19.57, 30.2, 54, 742, 00 , 09:33:58, 06-Aug-2018
7, 20.26, 31.4, 52, 742, 00 , 09:48:58, 06-Aug-2018
8, 21.04, 32.8, 49, 742, 00 , 10:03:58, 06-Aug-2018
9, 21.30, 34.0, 47, 742, 00 , 10:18:58, 06-Aug-2018
10, 21.77, 35.2, 44, 742, 00 , 10:33:58, 06-Aug-2018
11, 21.95, 36.3, 42, 742, 00 , 10:48:58, 06-Aug-2018
12, 21.83, 38.4, 38, 742, 00 , 11:03:58, 06-Aug-2018
13, 22.36, 39.3, 35, 742, 00 , 11:18:58, 06-Aug-2018
14, 22.10, 39.4, 35, 740, 00 , 11:33:58, 06-Aug-2018
15, 20.70, 40.1, 32, 740, 00 , 11:48:58, 06-Aug-2018
16, 21.39, 41.4, 29, 740, 00 , 12:03:58, 06-Aug-2018
17, 17.93, 42.1, 26, 740, 00 , 12:18:58, 06-Aug-2018
18, 18.02, 43.0, 25, 740, 00 , 12:33:58, 06-Aug-2018
19, 18.31, 43.6, 24, 740, 00 , 12:48:58, 06-Aug-2018
20, 18.66, 44.2, 23, 740, 00 , 13:03:58, 06-Aug-2018
21, 19.40, 43.7, 24, 740, 00 , 13:18:58, 06-Aug-2018
22, 18.81, 44.2, 22, 740, 00 , 13:33:58, 06-Aug-2018
23, 18.75, 44.1, 22, 740, 00 , 13:48:58, 06-Aug-2018
24, 18.41, 45.0, 21, 740, 00 , 14:03:58, 06-Aug-2018
25, 18.33, 46.2, 20, 740, 00 , 14:18:58, 06-Aug-2018
26, 18.37, 45.5, 19, 740, 00 , 14:33:58, 06-Aug-2018
27, 18.52, 45.3, 20, 740, 00 , 14:48:58, 06-Aug-2018
28, 19.00, 46.0, 20, 740, 00 , 15:03:58, 06-Aug-2018
29, 19.35, 46.6, 20, 740, 00 , 15:18:58, 06-Aug-2018
30, 21.78, 47.3, 19, 738, 00 , 15:33:58, 06-Aug-2018
31, 20.26, 46.3, 21, 738, 00 , 15:48:58, 06-Aug-2018
32, 20.48, 45.1, 21, 738, 00 , 16:03:58, 06-Aug-2018
33, 20.01, 43.1, 23, 738, 00 , 16:18:58, 06-Aug-2018
34, 20.26, 43.0, 23, 738, 00 , 16:33:58, 06-Aug-2018
35, 20.54, 42.6, 24, 738, 00 , 16:48:58, 06-Aug-2018

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"Max Disp @ ", 14:45:14 06-Aug-2018
"Max STEL ", 30.482984
"Max STEL @ ", 14:59:13 06-Aug-2018
"Avg point ", 14.624617
"ALARM ", "INSTANT "
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"Errors ", 0000
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"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 14.05, 23.4, 68, 742, 01 , 08:15:03, 06-Aug-2018
2, 19.46, 26.1, 61, 742, 00 , 08:30:03, 06-Aug-2018
3, 19.31, 28.4, 54, 742, 00 , 08:45:03, 06-Aug-2018
4, 14.09, 30.2, 49, 742, 00 , 09:00:03, 06-Aug-2018
5, 14.88, 32.0, 46, 742, 00 , 09:15:03, 06-Aug-2018
6, 15.61, 33.3, 43, 742, 00 , 09:30:03, 06-Aug-2018
7, 19.50, 34.4, 42, 742, 00 , 09:45:03, 06-Aug-2018
8, 17.80, 35.4, 40, 742, 00 , 10:00:03, 06-Aug-2018
9, 16.44, 36.6, 40, 742, 00 , 10:15:03, 06-Aug-2018
10, 18.09, 37.6, 38, 742, 00 , 10:30:03, 06-Aug-2018
11, 16.23, 38.3, 37, 742, 00 , 10:45:03, 06-Aug-2018
12, 17.73, 38.9, 36, 742, 00 , 11:00:03, 06-Aug-2018
13, 19.68, 38.8, 36, 740, 00 , 11:15:03, 06-Aug-2018
14, 17.02, 39.1, 34, 740, 00 , 11:30:03, 06-Aug-2018
15, 15.33, 39.6, 32, 740, 00 , 11:45:03, 06-Aug-2018
16, 13.61, 39.5, 32, 740, 00 , 12:00:03, 06-Aug-2018
17, 12.27, 39.6, 29, 740, 00 , 12:15:03, 06-Aug-2018
18, 12.24, 39.0, 30, 740, 00 , 12:30:03, 06-Aug-2018
19, 12.30, 38.4, 30, 740, 00 , 12:45:03, 06-Aug-2018
20, 14.30, 37.9, 31, 740, 00 , 13:00:03, 06-Aug-2018
21, 12.14, 37.4, 31, 740, 00 , 13:15:03, 06-Aug-2018
22, 11.97, 37.3, 31, 740, 00 , 13:30:03, 06-Aug-2018
23, 11.76, 37.8, 31, 740, 00 , 13:45:03, 06-Aug-2018
24, 10.93, 38.2, 29, 740, 00 , 14:00:03, 06-Aug-2018
25, 10.23, 38.5, 28, 740, 00 , 14:15:03, 06-Aug-2018
26, 10.16, 38.9, 27, 740, 00 , 14:30:03, 06-Aug-2018
27, 28.59, 39.3, 26, 740, 00 , 14:45:03, 06-Aug-2018
28, 14.21, 39.3, 26, 738, 00 , 15:00:03, 06-Aug-2018
29, 11.32, 38.7, 27, 738, 00 , 15:15:03, 06-Aug-2018
30, 12.22, 38.1, 30, 738, 00 , 15:30:03, 06-Aug-2018
31, 13.54, 37.9, 31, 738, 00 , 15:45:03, 06-Aug-2018
32, 11.85, 37.7, 31, 738, 00 , 16:00:03, 06-Aug-2018
33, 12.87, 37.3, 32, 738, 00 , 16:15:03, 06-Aug-2018
34, 11.91, 37.2, 32, 738, 00 , 16:30:03, 06-Aug-2018
35, 11.72, 37.7, 31, 738, 00 , 16:45:03, 06-Aug-2018
36, 11.11, 38.1, 30, 738, 00 , 17:00:03, 06-Aug-2018

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"Avg point ", 27.337165
"ALARM   ", "INSTANT "
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"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 14.93, 12.6, 73, 744, 00 , 08:15:03, 06-Aug-2018
2, 14.92, 12.7, 75, 744, 00 , 08:30:03, 06-Aug-2018
3, 14.91, 13.0, 75, 744, 00 , 08:45:03, 06-Aug-2018
4, 14.81, 13.4, 75, 744, 00 , 09:00:03, 06-Aug-2018
5, 13.58, 13.9, 75, 744, 00 , 09:15:03, 06-Aug-2018
6, 16.65, 14.6, 74, 744, 00 , 09:30:03, 06-Aug-2018
7, 14.95, 15.4, 73, 744, 00 , 09:45:03, 06-Aug-2018
8, 16.59, 16.2, 70, 744, 00 , 10:00:03, 06-Aug-2018
9, 17.20, 17.1, 69, 744, 00 , 10:15:03, 06-Aug-2018
10, 16.87, 18.2, 68, 742, 00 , 10:30:03, 06-Aug-2018
11, 17.33, 19.3, 65, 742, 00 , 10:45:03, 06-Aug-2018
12, 18.77, 20.6, 63, 742, 00 , 11:00:03, 06-Aug-2018
13, 19.09, 22.5, 59, 742, 00 , 11:15:03, 06-Aug-2018
14, 19.12, 24.5, 49, 742, 00 , 11:30:03, 06-Aug-2018
15, 20.63, 26.1, 40, 742, 00 , 11:45:03, 06-Aug-2018
16, 31.99, 27.4, 36, 742, 00 , 12:00:03, 06-Aug-2018
17, 10.15, 28.3, 31, 742, 00 , 12:15:03, 06-Aug-2018
18, 14.53, 28.9, 30, 742, 00 , 12:30:03, 06-Aug-2018
19, 15.25, 29.2, 29, 742, 00 , 12:45:03, 06-Aug-2018
20, 16.78, 29.3, 29, 742, 00 , 13:00:03, 06-Aug-2018
21, 53.54, 29.4, 28, 742, 00 , 13:15:03, 06-Aug-2018
22, 17.38, 29.7, 28, 742, 00 , 13:30:03, 06-Aug-2018
23, 17.46, 30.3, 27, 742, 00 , 13:45:03, 06-Aug-2018
24, 27.54, 31.0, 25, 742, 00 , 14:00:03, 06-Aug-2018
25, 14.40, 31.1, 25, 742, 00 , 14:15:03, 06-Aug-2018
26, 12.63, 31.8, 25, 742, 00 , 14:30:03, 06-Aug-2018
27, 23.31, 32.6, 22, 742, 00 , 14:45:03, 06-Aug-2018
28, 22.50, 32.9, 22, 742, 00 , 15:00:03, 06-Aug-2018
29, 26.83, 33.3, 23, 742, 00 , 15:15:03, 06-Aug-2018
30, 41.86, 34.0, 23, 742, 00 , 15:30:03, 06-Aug-2018
31, 35.03, 34.7, 21, 740, 00 , 15:45:03, 06-Aug-2018
32, 22.78, 35.0, 21, 740, 00 , 16:00:03, 06-Aug-2018
33, 25.02, 35.4, 20, 740, 00 , 16:15:03, 06-Aug-2018
34, 24.24, 35.6, 20, 740, 00 , 16:30:03, 06-Aug-2018
35, 33.58, 35.9, 20, 740, 18 , 16:45:03, 06-Aug-2018
36, 246.98, 36.0, 19, 740, 18 , 17:00:03, 06-Aug-2018

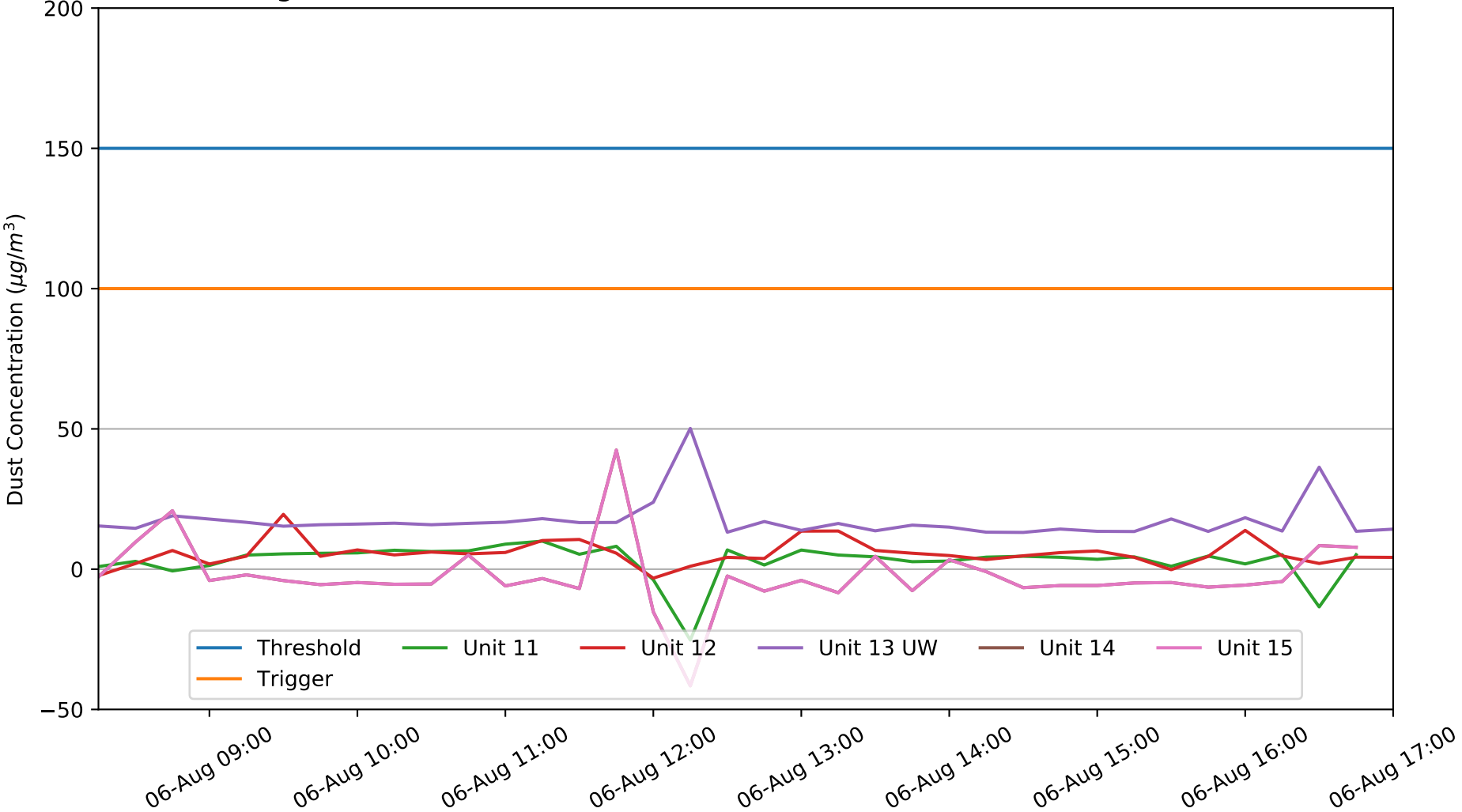
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2, 24.56, 22.3, 57, 742, 00 , 08:30:03, 06-Aug-2018
3, 26.30, 23.8, 53, 742, 00 , 08:45:03, 06-Aug-2018
4, 25.43, 25.4, 49, 742, 00 , 09:00:03, 06-Aug-2018
5, 38.97, 27.0, 45, 742, 00 , 09:15:03, 06-Aug-2018
6, 28.89, 28.5, 42, 742, 00 , 09:30:03, 06-Aug-2018
7, 31.62, 29.7, 39, 742, 00 , 09:45:03, 06-Aug-2018
8, 27.91, 30.9, 37, 742, 00 , 10:00:03, 06-Aug-2018
9, 31.95, 32.1, 35, 742, 00 , 10:15:03, 06-Aug-2018
10, 32.88, 33.2, 33, 742, 00 , 10:30:03, 06-Aug-2018
11, 31.25, 34.2, 31, 742, 00 , 10:45:03, 06-Aug-2018
12, 30.80, 35.2, 29, 742, 00 , 11:00:03, 06-Aug-2018
13, 33.04, 35.8, 28, 742, 00 , 11:15:03, 06-Aug-2018
14, 32.80, 36.1, 26, 742, 00 , 11:30:03, 06-Aug-2018
15, 28.66, 36.5, 23, 742, 00 , 11:45:03, 06-Aug-2018
16, 31.69, 37.0, 22, 742, 00 , 12:00:03, 06-Aug-2018
17, 25.65, 37.3, 19, 742, 00 , 12:15:03, 06-Aug-2018
18, 25.26, 37.3, 19, 742, 00 , 12:30:03, 06-Aug-2018
19, 25.32, 37.4, 17, 742, 00 , 12:45:03, 06-Aug-2018
20, 26.88, 37.5, 18, 742, 00 , 13:00:03, 06-Aug-2018
21, 42.23, 37.7, 17, 742, 00 , 13:15:03, 06-Aug-2018
22, 27.17, 38.2, 16, 742, 00 , 13:30:03, 06-Aug-2018
23, 30.20, 38.8, 15, 742, 00 , 13:45:03, 06-Aug-2018
24, 27.00, 39.1, 13, 742, 00 , 14:00:03, 06-Aug-2018
25, 26.97, 39.2, 13, 742, 00 , 14:15:03, 06-Aug-2018
26, 27.78, 40.0, 12, 742, 00 , 14:30:03, 06-Aug-2018
27, 39.92, 40.7, 11, 742, 00 , 14:45:03, 06-Aug-2018
28, 29.98, 41.0, 11, 740, 00 , 15:00:03, 06-Aug-2018
29, 32.92, 41.4, 11, 740, 00 , 15:15:03, 06-Aug-2018
30, 39.34, 42.1, 12, 740, 00 , 15:30:03, 06-Aug-2018
31, 40.87, 45.1, 10, 740, 00 , 15:45:03, 06-Aug-2018
32, 31.78, 43.9, 9, 740, 00 , 16:00:03, 06-Aug-2018
33, 29.58, 41.1, 12, 740, 00 , 16:15:03, 06-Aug-2018
34, 26.86, 39.4, 14, 740, 00 , 16:30:03, 06-Aug-2018
35, 30.06, 38.0, 16, 740, 00 , 16:45:03, 06-Aug-2018
36, 28.05, 36.9, 17, 740, 00 , 17:00:03, 06-Aug-2018

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2, 24.78, 21.3, 69, 742, 00 , 08:30:03, 06-Aug-2018
3, 29.05, 22.0, 74, 742, 01 , 08:45:03, 06-Aug-2018
4, 18.79, 24.1, 69, 742, 00 , 09:00:03, 06-Aug-2018
5, 19.56, 26.6, 62, 742, 00 , 09:15:03, 06-Aug-2018
6, 20.69, 28.7, 57, 742, 00 , 09:30:03, 06-Aug-2018
7, 27.89, 30.3, 53, 742, 00 , 09:45:03, 06-Aug-2018
8, 22.95, 31.8, 50, 742, 00 , 10:00:03, 06-Aug-2018
9, 22.40, 33.2, 48, 742, 00 , 10:15:03, 06-Aug-2018
10, 23.19, 34.4, 45, 742, 00 , 10:30:03, 06-Aug-2018
11, 30.70, 35.8, 41, 742, 00 , 10:45:03, 06-Aug-2018
12, 21.14, 36.7, 41, 742, 00 , 11:00:03, 06-Aug-2018
13, 23.24, 37.2, 39, 742, 00 , 11:15:03, 06-Aug-2018
14, 24.60, 37.8, 38, 742, 00 , 11:30:03, 06-Aug-2018
15, 25.01, 38.4, 35, 742, 00 , 11:45:03, 06-Aug-2018
16, 32.87, 38.7, 33, 742, 00 , 12:00:03, 06-Aug-2018
17, 19.54, 38.9, 30, 742, 00 , 12:15:03, 06-Aug-2018
18, 16.67, 39.2, 30, 742, 00 , 12:30:03, 06-Aug-2018
19, 21.45, 39.6, 28, 740, 00 , 12:45:03, 06-Aug-2018
20, 20.92, 39.7, 28, 740, 00 , 13:00:03, 06-Aug-2018
21, 21.04, 39.9, 27, 740, 00 , 13:15:03, 06-Aug-2018
22, 38.09, 39.8, 27, 740, 00 , 13:30:03, 06-Aug-2018
23, 36.53, 40.0, 26, 740, 01 , 13:45:03, 06-Aug-2018
24, 53.49, 39.6, 26, 740, 00 , 14:00:03, 06-Aug-2018
25, 24.70, 39.5, 27, 740, 00 , 14:15:03, 06-Aug-2018
26, 43.80, 39.2, 26, 740, 00 , 14:30:03, 06-Aug-2018
27, 29.97, 38.9, 26, 740, 00 , 14:45:03, 06-Aug-2018
28, 24.57, 39.0, 26, 740, 00 , 15:00:03, 06-Aug-2018
29, 26.88, 39.2, 27, 740, 00 , 15:15:03, 06-Aug-2018
30, 36.06, 39.2, 27, 740, 00 , 15:30:03, 06-Aug-2018
31, 21.24, 39.4, 28, 740, 00 , 15:45:03, 06-Aug-2018
32, 40.51, 40.0, 27, 740, 00 , 16:00:03, 06-Aug-2018
33, 36.95, 40.3, 27, 740, 02 , 16:15:03, 06-Aug-2018
34, 18.41, 40.1, 27, 740, 00 , 16:30:03, 06-Aug-2018
35, 16.47, 40.2, 27, 740, 00 , 16:45:03, 06-Aug-2018
36, 33.26, 40.6, 26, 740, 00 , 17:00:03, 06-Aug-2018

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"RH CORRECT ", "ENABLED "
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"Avg point ", 21.687064
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 20.27, 24.2, 69, 742, 01 , 08:15:03, 06-Aug-2018
2, 25.20, 27.5, 61, 742, 00 , 08:30:03, 06-Aug-2018
3, 28.53, 30.3, 53, 742, 00 , 08:45:03, 06-Aug-2018
4, 21.47, 32.4, 48, 742, 00 , 09:00:03, 06-Aug-2018
5, 21.67, 34.3, 44, 742, 00 , 09:15:03, 06-Aug-2018
6, 22.19, 35.4, 42, 742, 00 , 09:30:03, 06-Aug-2018
7, 25.18, 36.8, 40, 742, 00 , 09:45:03, 06-Aug-2018
8, 24.81, 38.1, 38, 742, 00 , 10:00:03, 06-Aug-2018
9, 24.03, 39.2, 37, 742, 00 , 10:15:03, 06-Aug-2018
10, 25.67, 40.2, 36, 742, 00 , 10:30:03, 06-Aug-2018
11, 24.52, 41.0, 35, 742, 00 , 10:45:03, 06-Aug-2018
12, 25.25, 41.7, 34, 742, 00 , 11:00:03, 06-Aug-2018
13, 27.77, 41.7, 33, 742, 00 , 11:15:03, 06-Aug-2018
14, 25.96, 41.9, 33, 742, 00 , 11:30:03, 06-Aug-2018
15, 23.47, 42.7, 30, 742, 00 , 11:45:03, 06-Aug-2018
16, 21.00, 43.3, 29, 742, 00 , 12:00:03, 06-Aug-2018
17, 19.68, 43.8, 26, 742, 00 , 12:15:03, 06-Aug-2018
18, 19.00, 44.0, 26, 742, 00 , 12:30:03, 06-Aug-2018
19, 18.97, 44.0, 25, 742, 00 , 12:45:03, 06-Aug-2018
20, 22.90, 43.7, 25, 742, 00 , 13:00:03, 06-Aug-2018
21, 19.68, 43.4, 25, 742, 00 , 13:15:03, 06-Aug-2018
22, 19.17, 42.8, 25, 742, 00 , 13:30:03, 06-Aug-2018
23, 19.68, 42.3, 25, 742, 00 , 13:45:03, 06-Aug-2018
24, 18.10, 41.8, 25, 742, 00 , 14:00:03, 06-Aug-2018
25, 18.14, 41.3, 26, 742, 00 , 14:15:03, 06-Aug-2018
26, 18.35, 40.8, 26, 740, 00 , 14:30:03, 06-Aug-2018
27, 18.87, 40.7, 26, 740, 00 , 14:45:03, 06-Aug-2018
28, 21.68, 41.0, 27, 740, 00 , 15:00:03, 06-Aug-2018
29, 19.05, 41.5, 26, 740, 00 , 15:15:03, 06-Aug-2018
30, 19.66, 41.9, 27, 740, 00 , 15:30:03, 06-Aug-2018
31, 21.82, 42.3, 27, 740, 00 , 15:45:03, 06-Aug-2018
32, 19.89, 42.7, 26, 740, 00 , 16:00:03, 06-Aug-2018
33, 20.20, 43.0, 25, 740, 00 , 16:15:03, 06-Aug-2018
34, 20.26, 43.1, 24, 740, 00 , 16:30:03, 06-Aug-2018
35, 19.20, 43.2, 25, 740, 00 , 16:45:03, 06-Aug-2018
36, 19.41, 43.0, 25, 740, 00 , 17:00:03, 06-Aug-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 06-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 06-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 15	Unit 12	Unit 11	Unit 14	Unit 13 UW	Threshold	Trigger
2018-08-06 08:15:00	-2.72	-2.3	0.93	-2.72	15.41	150	100
2018-08-06 08:30:00	9.63	2	2.79	9.63	14.56	150	100
2018-08-06 08:45:00	20.84	6.66	-0.63	20.84	19.02	150	100
2018-08-06 09:00:00	-4.05	1.85	1.32	-4.05	17.86	150	100
2018-08-06 09:15:00	-2.03	4.64	5.02	-2.03	16.7	150	100
2018-08-06 09:30:00	-4.06	19.55	5.46	-4.06	15.32	150	100
2018-08-06 09:45:00	-5.51	4.59	5.67	-5.51	15.84	150	100
2018-08-06 10:00:00	-4.76	6.87	5.8	-4.76	16.08	150	100
2018-08-06 10:15:00	-5.38	5.09	6.75	-5.38	16.39	150	100
2018-08-06 10:30:00	-5.29	6.11	6.28	-5.29	15.84	150	100
2018-08-06 10:45:00	5.03	5.46	6.53	5.03	16.33	150	100
2018-08-06 11:00:00	-5.97	5.95	8.92	-5.97	16.74	150	100
2018-08-06 11:15:00	-3.34	10.21	9.99	-3.34	18.01	150	100
2018-08-06 11:30:00	-6.91	10.59	5.32	-6.91	16.61	150	100
2018-08-06 11:45:00	42.45	5.7	8.16	42.45	16.65	150	100
2018-08-06 12:00:00	-15.23	-3.2	-3.77	-15.23	23.85	150	100
2018-08-06 12:15:00	-41.57	1.04	-25.26	-41.57	50.18	150	100
2018-08-06 12:30:00	-2.44	4.22	6.87	-2.44	13.17	150	100
2018-08-06 12:45:00	-7.82	3.8	1.48	-7.82	16.98	150	100
2018-08-06 13:00:00	-3.99	13.56	6.82	-3.99	13.84	150	100
2018-08-06 13:15:00	-8.39	13.6	5.04	-8.39	16.29	150	100
2018-08-06 13:30:00	4.59	6.67	4.39	4.59	13.67	150	100
2018-08-06 13:45:00	-7.65	5.68	2.67	-7.65	15.7	150	100
2018-08-06 14:00:00	3.36	4.86	2.89	3.36	14.99	150	100
2018-08-06 14:15:00	-0.88	3.44	4.29	-0.88	13.19	150	100
2018-08-06 14:30:00	-6.59	4.77	4.6	-6.59	13.1	150	100
2018-08-06 14:45:00	-5.83	5.9	4.23	-5.83	14.3	150	100
2018-08-06 15:00:00	-5.82	6.5	3.51	-5.82	13.49	150	100
2018-08-06 15:15:00	-4.91	4.22	4.39	-4.91	13.42	150	100
2018-08-06 15:30:00	-4.76	-0.19	1.04	-4.76	17.91	150	100
2018-08-06 15:45:00	-6.4	4.56	4.68	-6.4	13.46	150	100
2018-08-06 16:00:00	-5.68	13.83	1.88	-5.68	18.34	150	100
2018-08-06 16:15:00	-4.42	4.74	5.19	-4.42	13.58	150	100
2018-08-06 16:30:00	8.41	2.03	-13.45	8.41	36.36	150	100
2018-08-06 16:45:00	7.8	4.28	5.16	7.8	13.5	150	100
2018-08-06 17:00:00		4.2			14.27	150	100

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"Max STEL ", 59.112167
"Max STEL @ ", 11:44:53 06-Aug-2018
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"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
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"FlowRate ", 1.200000
"Site Name ", "Factory default"
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2, 24.19, 21.7, 66, 744, 00 , 08:30:03, 06-Aug-2018
3, 39.86, 23.8, 61, 744, 00 , 08:45:03, 06-Aug-2018
4, 13.81, 25.5, 58, 744, 00 , 09:00:03, 06-Aug-2018
5, 14.67, 26.9, 54, 744, 00 , 09:15:03, 06-Aug-2018
6, 11.26, 28.4, 50, 744, 00 , 09:30:03, 06-Aug-2018
7, 10.33, 29.6, 47, 742, 00 , 09:45:03, 06-Aug-2018
8, 11.32, 30.6, 45, 742, 00 , 10:00:03, 06-Aug-2018
9, 11.01, 31.3, 45, 742, 00 , 10:15:03, 06-Aug-2018
10, 10.55, 32.4, 43, 742, 00 , 10:30:03, 06-Aug-2018
11, 21.36, 33.4, 40, 742, 00 , 10:45:03, 06-Aug-2018
12, 10.77, 33.9, 38, 742, 00 , 11:00:03, 06-Aug-2018
13, 14.67, 34.6, 38, 742, 00 , 11:15:03, 06-Aug-2018
14, 9.70, 35.5, 36, 742, 00 , 11:30:03, 06-Aug-2018
15, 59.10, 35.9, 35, 742, 00 , 11:45:03, 06-Aug-2018
16, 8.62, 35.1, 31, 742, 00 , 12:00:03, 06-Aug-2018
17, 8.61, 34.1, 31, 742, 00 , 12:15:03, 06-Aug-2018
18, 10.73, 33.7, 31, 742, 00 , 12:30:03, 06-Aug-2018
19, 9.16, 33.9, 30, 742, 00 , 12:45:03, 06-Aug-2018
20, 9.85, 34.0, 30, 742, 00 , 13:00:03, 06-Aug-2018
21, 7.90, 34.2, 28, 742, 00 , 13:15:03, 06-Aug-2018
22, 18.26, 34.4, 28, 742, 00 , 13:30:03, 06-Aug-2018
23, 8.05, 34.6, 27, 742, 00 , 13:45:03, 06-Aug-2018
24, 18.35, 34.9, 25, 742, 00 , 14:00:03, 06-Aug-2018
25, 12.31, 35.1, 26, 742, 00 , 14:15:03, 06-Aug-2018
26, 6.51, 35.2, 26, 742, 00 , 14:30:03, 06-Aug-2018
27, 8.47, 35.5, 24, 742, 00 , 14:45:03, 06-Aug-2018
28, 7.67, 35.6, 24, 740, 00 , 15:00:03, 06-Aug-2018
29, 8.51, 36.2, 23, 740, 00 , 15:15:03, 06-Aug-2018
30, 13.15, 37.3, 24, 740, 00 , 15:30:03, 06-Aug-2018
31, 7.06, 38.7, 22, 740, 00 , 15:45:03, 06-Aug-2018
32, 12.66, 38.9, 20, 740, 00 , 16:00:03, 06-Aug-2018
33, 9.16, 39.2, 21, 740, 00 , 16:15:03, 06-Aug-2018
34, 44.77, 39.5, 19, 740, 00 , 16:30:03, 06-Aug-2018
35, 21.30, 39.9, 19, 740, 00 , 16:45:03, 06-Aug-2018

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"Max STEL   ", 51.325541
"Max STEL @ ", 12:14:33 06-Aug-2018
"Avg point ", 22.844975
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1, 13.11, 20.0, 73, 744, 01 , 08:15:03, 06-Aug-2018
2, 16.56, 23.6, 63, 744, 00 , 08:30:03, 06-Aug-2018
3, 25.68, 26.2, 56, 744, 00 , 08:45:03, 06-Aug-2018
4, 19.71, 28.9, 50, 744, 00 , 09:00:03, 06-Aug-2018
5, 21.34, 31.5, 45, 744, 00 , 09:15:03, 06-Aug-2018
6, 34.87, 33.1, 42, 744, 00 , 09:30:03, 06-Aug-2018
7, 20.43, 33.8, 41, 744, 00 , 09:45:03, 06-Aug-2018
8, 22.95, 34.1, 41, 744, 01 , 10:00:03, 06-Aug-2018
9, 21.48, 34.8, 40, 744, 00 , 10:15:03, 06-Aug-2018
10, 21.95, 35.1, 40, 744, 00 , 10:30:03, 06-Aug-2018
11, 21.79, 36.3, 39, 744, 00 , 10:45:03, 06-Aug-2018
12, 22.69, 37.5, 37, 744, 01 , 11:00:03, 06-Aug-2018
13, 28.22, 38.2, 36, 744, 00 , 11:15:03, 06-Aug-2018
14, 27.20, 38.3, 35, 744, 00 , 11:30:03, 06-Aug-2018
15, 22.35, 38.6, 34, 744, 01 , 11:45:03, 06-Aug-2018
16, 20.65, 39.9, 30, 744, 01 , 12:00:03, 06-Aug-2018
17, 51.22, 40.7, 28, 744, 01 , 12:15:03, 06-Aug-2018
18, 17.39, 40.9, 27, 742, 01 , 12:30:03, 06-Aug-2018
19, 20.78, 40.6, 27, 742, 01 , 12:45:03, 06-Aug-2018
20, 27.40, 39.8, 28, 742, 01 , 13:00:03, 06-Aug-2018
21, 29.89, 39.1, 28, 742, 01 , 13:15:03, 06-Aug-2018
22, 20.34, 38.4, 29, 742, 01 , 13:30:03, 06-Aug-2018
23, 21.38, 37.9, 28, 742, 01 , 13:45:03, 06-Aug-2018
24, 19.85, 37.4, 29, 742, 01 , 14:00:03, 06-Aug-2018
25, 16.63, 37.1, 30, 742, 01 , 14:15:03, 06-Aug-2018
26, 17.87, 36.9, 30, 742, 01 , 14:30:03, 06-Aug-2018
27, 20.20, 36.9, 29, 742, 00 , 14:45:03, 06-Aug-2018
28, 19.99, 36.8, 30, 742, 01 , 15:00:03, 06-Aug-2018
29, 17.64, 37.0, 30, 742, 00 , 15:15:03, 06-Aug-2018
30, 17.72, 37.4, 31, 742, 01 , 15:30:03, 06-Aug-2018
31, 18.02, 38.1, 30, 742, 01 , 15:45:03, 06-Aug-2018
32, 32.17, 38.2, 30, 740, 01 , 16:00:03, 06-Aug-2018
33, 18.32, 38.4, 30, 740, 01 , 16:15:03, 06-Aug-2018
34, 38.39, 38.5, 29, 740, 01 , 16:30:03, 06-Aug-2018
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36, 18.47, 38.5, 29, 740, 01 , 17:00:03, 06-Aug-2018

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 13:15:45 06-Aug-2018
"Max STEL ", 30.171294
"Max STEL @ ", 11:12:03 06-Aug-2018
"Avg point ", 20.332520
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
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"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 16.34, 20.5, 77, 742, 01 , 08:15:03, 06-Aug-2018
2, 17.35, 21.6, 75, 742, 00 , 08:30:03, 06-Aug-2018
3, 18.39, 23.0, 72, 742, 00 , 08:45:03, 06-Aug-2018
4, 19.18, 24.4, 67, 742, 00 , 09:00:03, 06-Aug-2018
5, 21.72, 25.9, 64, 742, 00 , 09:15:03, 06-Aug-2018
6, 20.78, 27.6, 61, 742, 00 , 09:30:03, 06-Aug-2018
7, 21.51, 29.1, 56, 742, 00 , 09:45:03, 06-Aug-2018
8, 21.88, 30.3, 54, 742, 00 , 10:00:03, 06-Aug-2018
9, 23.14, 31.5, 51, 742, 00 , 10:15:03, 06-Aug-2018
10, 22.12, 32.2, 50, 742, 00 , 10:30:03, 06-Aug-2018
11, 22.86, 33.3, 47, 742, 00 , 10:45:03, 06-Aug-2018
12, 25.66, 34.6, 45, 742, 00 , 11:00:03, 06-Aug-2018
13, 28.00, 35.7, 43, 740, 00 , 11:15:03, 06-Aug-2018
14, 21.93, 36.4, 42, 740, 00 , 11:30:03, 06-Aug-2018
15, 24.81, 37.5, 39, 740, 00 , 11:45:03, 06-Aug-2018
16, 20.08, 37.7, 34, 740, 00 , 12:00:03, 06-Aug-2018
17, 24.92, 37.9, 32, 740, 00 , 12:15:03, 06-Aug-2018
18, 20.04, 38.1, 32, 740, 00 , 12:30:03, 06-Aug-2018
19, 18.46, 38.0, 32, 740, 00 , 12:45:03, 06-Aug-2018
20, 20.66, 38.1, 31, 740, 00 , 13:00:03, 06-Aug-2018
21, 21.33, 37.7, 31, 740, 00 , 13:15:03, 06-Aug-2018
22, 18.06, 37.5, 30, 740, 00 , 13:30:03, 06-Aug-2018
23, 18.37, 37.5, 30, 740, 00 , 13:45:03, 06-Aug-2018
24, 17.88, 37.1, 29, 740, 00 , 14:00:03, 06-Aug-2018
25, 17.48, 36.9, 29, 740, 00 , 14:15:03, 06-Aug-2018
26, 17.70, 36.9, 30, 740, 00 , 14:30:03, 06-Aug-2018
27, 18.53, 37.2, 29, 740, 00 , 14:45:03, 06-Aug-2018
28, 17.00, 37.5, 29, 740, 00 , 15:00:03, 06-Aug-2018
29, 17.81, 37.8, 27, 740, 00 , 15:15:03, 06-Aug-2018
30, 18.95, 38.2, 30, 738, 00 , 15:30:03, 06-Aug-2018
31, 18.14, 39.0, 28, 738, 00 , 15:45:03, 06-Aug-2018
32, 20.22, 39.3, 27, 738, 00 , 16:00:03, 06-Aug-2018
33, 18.77, 39.9, 27, 738, 00 , 16:15:03, 06-Aug-2018
34, 22.91, 40.3, 26, 738, 00 , 16:30:03, 06-Aug-2018
35, 18.66, 40.8, 26, 738, 00 , 16:45:03, 06-Aug-2018

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"Max STEL @ ", 11:44:53 06-Aug-2018
"Avg point ", 15.040519
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
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2, 24.19, 21.7, 66, 744, 00 , 08:30:03, 06-Aug-2018
3, 39.86, 23.8, 61, 744, 00 , 08:45:03, 06-Aug-2018
4, 13.81, 25.5, 58, 744, 00 , 09:00:03, 06-Aug-2018
5, 14.67, 26.9, 54, 744, 00 , 09:15:03, 06-Aug-2018
6, 11.26, 28.4, 50, 744, 00 , 09:30:03, 06-Aug-2018
7, 10.33, 29.6, 47, 742, 00 , 09:45:03, 06-Aug-2018
8, 11.32, 30.6, 45, 742, 00 , 10:00:03, 06-Aug-2018
9, 11.01, 31.3, 45, 742, 00 , 10:15:03, 06-Aug-2018
10, 10.55, 32.4, 43, 742, 00 , 10:30:03, 06-Aug-2018
11, 21.36, 33.4, 40, 742, 00 , 10:45:03, 06-Aug-2018
12, 10.77, 33.9, 38, 742, 00 , 11:00:03, 06-Aug-2018
13, 14.67, 34.6, 38, 742, 00 , 11:15:03, 06-Aug-2018
14, 9.70, 35.5, 36, 742, 00 , 11:30:03, 06-Aug-2018
15, 59.10, 35.9, 35, 742, 00 , 11:45:03, 06-Aug-2018
16, 8.62, 35.1, 31, 742, 00 , 12:00:03, 06-Aug-2018
17, 8.61, 34.1, 31, 742, 00 , 12:15:03, 06-Aug-2018
18, 10.73, 33.7, 31, 742, 00 , 12:30:03, 06-Aug-2018
19, 9.16, 33.9, 30, 742, 00 , 12:45:03, 06-Aug-2018
20, 9.85, 34.0, 30, 742, 00 , 13:00:03, 06-Aug-2018
21, 7.90, 34.2, 28, 742, 00 , 13:15:03, 06-Aug-2018
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DAILY OBSERVATION REPORT

Report No.:	59	Project File:	MN0832D	Date:	08/07/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Jim Burnett

Site Representative: Matt Schallinger

Arrive at Site: 0645hrs. Leave Site: 1815hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Clear	am	Increasing clouds	Pm
Temperature:	67° F	am	86° F	Pm
Wind Direction:	0 SSW	am	6 N	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☒	No ☐	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 59 Project File: MN0832D Date: 08/07/2018

Materials Imported and Removed from Work Areas

As of 06 August 2018:

TSCA Soil Removal:

Total Loads today: 12 Total Loads to date: 328

Weight: 20 tons/each Total Weight to date: ~7990Tons

Non Haz Soil Removal:

Total Loads today: 15 Total Loads to date: 139

Weight: 20-33tons/each Total Weight to date: ~3647 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: Tons Total Weight to date: 175 Tons

Imported Common Fill:

Total Loads today: 35 Total Loads to date: ~1006

Weight: ~21 Tons/each Total Weight to date: ~6388 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	59	Project File:	MN0832D	Date:	08/07/2018

Summary of Events

AM

- Geosyntec arrived on site at 0645. Attended Recon safety meeting and held Geosyntec safety meeting and planned the day's activities.
- Geosyntec calibrated and deployed dust monitors.
- School contractor continued working within phase 1.
- Recon sprayed water around the site multiple times during the day. TSCA material shipping and non Haz material shipping continued through the end of the day.
- Geosyntec and Recon attended the weekly progress meeting with Unisys.
- Recon continued to excavate non Haz and reuse material within the site, primarily in phase 3. Reuse material was sent down to the MSA and staged in windrows for characterization. Non Haz material was sent to the Non Haz portion of the MSA and prepared for loadout.
- Recon continued to backfill in phase 2.
- Hunt was onsite to survey current extent of excavation.
- NYSEG was onsite to work on the gas line. A protective coating was applied, and sand was placed at the base of the gas line for support. Once this work was completed backfill was placed over the gas line.
- Atlantic Testing was onsite to conduct compaction tests.

PM

- Scott Williams of DEC onsite.
- Samples were collected in the MSA and RPL.
- Geosyntec signed waste manifests in the RPL and MSA throughout the day.
- Recon continued to excavate non-hazardous material out of phase 3 and continued to load TSCA trucks.
- Recon worked with Welliver to add an additional 2 feet of backfill in the trench area in Phase one.
- Backfill and compaction continued in phase 2 until 1700.
- 5 density tests were performed in phase 2 today and all tests passed minimum compaction.
- Dust monitors were collected, and data downloaded. GWK left site to ship samples via Fedex.
- Geosyntec shut down and left site at 1800.

Report No.: 59 Project File: MN0832D Date: 08/07/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Rich Tonnucour
- Scott Earley
- (Recon labor) X17

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- CAT 725 Haul truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Seth Lovell	Hunt	Yes
Scott Williams	NYSDEC	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: 8/24/18

ITEMS OF CONCERN:

A brief threshold exceedance was recorded in the RPL. No exceedances were recorded in the MSA.

DAILY OBSERVATION REPORT

Report No.:	59	Project File:	MN0832D	Date:	08/07/2018

Site Representative: Matt Schallinger

Name (Signature):



Report No.:	59	Project File:	MN0832D	Date:	08/07/2018

Photo Log
Date : 08/07/2018



Geosyntec manifesting non-haz truck as Recon performs truck decontamination.



Backfilling and compaction of clean fill in phase 2.



Covered and labeled pile in MSA.



Extent of excavation and backfill at end of day.

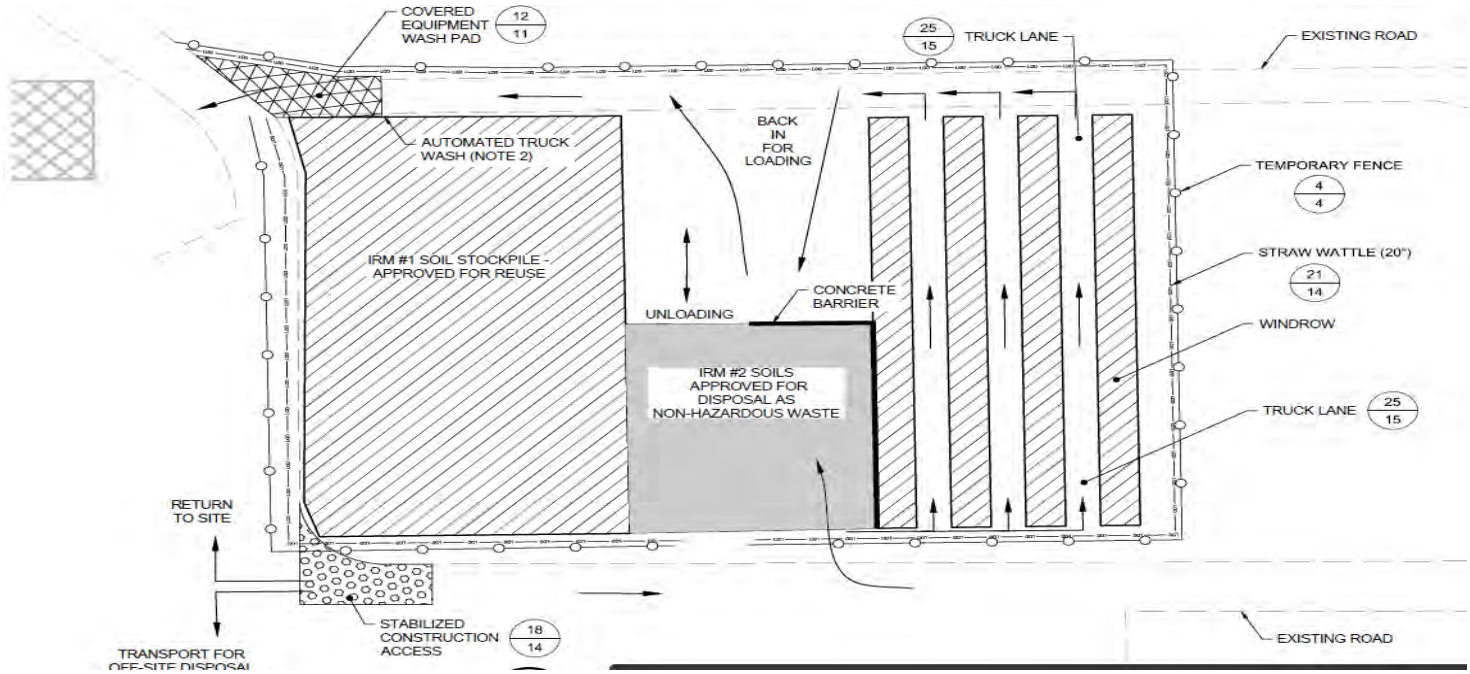
Report No.:	59	Project File:	MN0832D	Date:	08/07/2018

Site Map

Rear Parking Lot

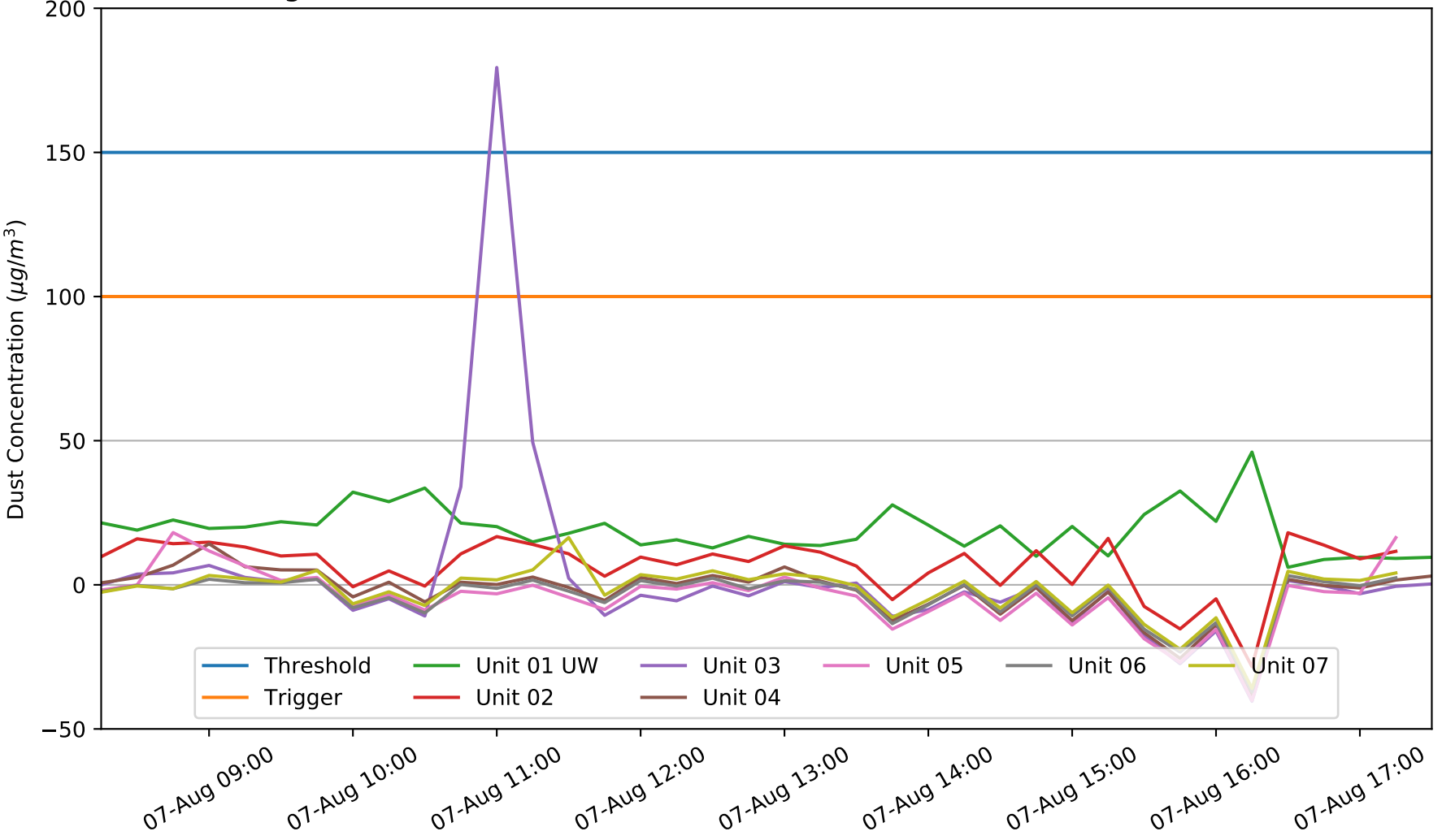


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 07-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 07-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 06	Unit 05	Unit 03	Unit 02	Unit 07	Unit 01 UW	Unit 04	Threshold	Trigger
2018-08-07 08:15:00	-2.41	-1.84	-0.04	9.75	-2.58	21.49	0.68	150	100
2018-08-07 08:30:00	-0.2	-0.05	3.7	15.96	-0.42	18.97	2.57	150	100
2018-08-07 08:45:00	-1.36	18.12	4.15	14.27	-1.36	22.49	6.83	150	100
2018-08-07 09:00:00	1.93	11.76	6.72	14.79	3.25	19.55	14.22	150	100
2018-08-07 09:15:00	0.72	6.54	2.57	13.1	2.11	20.02	6.27	150	100
2018-08-07 09:30:00	0.7	1.51	1.12	10	0.94	21.87	5.17	150	100
2018-08-07 09:45:00	1.93	2.56	1.91	10.61	5	20.76	5.12	150	100
2018-08-07 10:00:00	-7.97	-7.42	-8.84	-0.69	-6.59	32.14	-4.2	150	100
2018-08-07 10:15:00	-4.45	-3.47	-4.83	4.83	-2.42	28.83	0.9	150	100
2018-08-07 10:30:00	-9.76	-8.76	-10.82	-0.45	-7.17	33.57	-5.93	150	100
2018-08-07 10:45:00	0.1	-2.25	33.99	10.73	2.33	21.41	0.9	150	100
2018-08-07 11:00:00	-1.21	-3.12	179.45	16.73	1.7	20.19	0.1	150	100
2018-08-07 11:15:00	1.62	-0.14	49.45	14.01	5.18	14.87	2.69	150	100
2018-08-07 11:30:00	-2.22	-4.34	2.28	10.76	16.39	17.88	-0.93	150	100
2018-08-07 11:45:00	-6.18	-8.56	-10.59	2.98	-3.6	21.34	-5.41	150	100
2018-08-07 12:00:00	1.45	-0.51	-3.62	9.62	3.52	13.84	2.54	150	100
2018-08-07 12:15:00	-0.43	-1.47	-5.55	6.95	1.99	15.63	0.44	150	100
2018-08-07 12:30:00	2.31	0.74	-0.42	10.69	4.86	12.8	3.24	150	100
2018-08-07 12:45:00	-1.37	-2.02	-3.83	8.08	1.79	16.8	0.95	150	100
2018-08-07 13:00:00	1.39	2.7	1.11	13.52	3.8	14.08	6.2	150	100
2018-08-07 13:15:00	0.93	-1.16	-0.97	11.32	2.64	13.63	1.31	150	100
2018-08-07 13:30:00	-1.6	-3.91	0.61	6.51	-0.32	15.81	-1.86	150	100
2018-08-07 13:45:00	-13.46	-15.38	-10.94	-5.14	-11.32	27.73	-12.41	150	100
2018-08-07 14:00:00	-6.92	-9.28	-8.61	4.13	-5.19	20.71	-6.71	150	100
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2018-08-07 15:45:00	-23.32	-26.88	-27.36	-15.32	-22.37	32.55	-25.52	150	100
2018-08-07 16:00:00	-13.11	-15.42	-16.02	-4.86	-11.42	22.01	-13.87	150	100
2018-08-07 16:15:00	-37.14	-40.11	-40.39	-28.39	-35.93	46.04	-38.64	150	100
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2018-08-07 16:45:00	1.07	-2.36	-0.32	13.78	2	8.79	-0.22	150	100
2018-08-07 17:00:00	-0.3	-2.91	-3.09	8.99	1.51	9.53	-1.09	150	100
2018-08-07 17:15:00	2.43	16.37	-0.52	11.62	4.11	9.16	1.66	150	100
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23, 12.35, 32.3, 45, 736, 00 , 13:45:03, 07-Aug-2018
24, 11.43, 32.1, 46, 736, 00 , 14:00:03, 07-Aug-2018
25, 10.53, 32.7, 45, 736, 00 , 14:15:03, 07-Aug-2018
26, 8.10, 32.9, 43, 736, 00 , 14:30:03, 07-Aug-2018
27, 7.00, 33.2, 41, 736, 00 , 14:45:03, 07-Aug-2018
28, 6.31, 33.5, 40, 736, 00 , 15:00:03, 07-Aug-2018
29, 5.57, 33.6, 40, 736, 00 , 15:15:03, 07-Aug-2018
30, 5.69, 33.1, 41, 736, 00 , 15:30:03, 07-Aug-2018
31, 5.67, 32.9, 42, 736, 00 , 15:45:03, 07-Aug-2018
32, 6.59, 32.8, 42, 736, 00 , 16:00:03, 07-Aug-2018
33, 5.93, 33.0, 42, 736, 00 , 16:15:03, 07-Aug-2018
34, 5.85, 33.0, 42, 736, 00 , 16:30:03, 07-Aug-2018
35, 6.43, 33.2, 42, 736, 00 , 16:45:03, 07-Aug-2018
36, 6.62, 33.0, 42, 736, 00 , 17:00:03, 07-Aug-2018
37, 25.53, 32.5, 45, 736, 00 , 17:15:03, 07-Aug-2018

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"Max STEL ", 224.001884
"Max STEL @ ", 10:57:53 07-Aug-2018
"Avg point ", 21.531968
"ALARM ", "INSTANT "
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"Errors ", 0000
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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 21.45, 13.3, 73, 740, 01 , 08:15:03, 07-Aug-2018
2, 22.67, 13.9, 74, 740, 00 , 08:30:03, 07-Aug-2018
3, 26.64, 14.7, 73, 740, 00 , 08:45:03, 07-Aug-2018
4, 26.27, 15.6, 70, 740, 00 , 09:00:03, 07-Aug-2018
5, 22.59, 16.6, 67, 740, 00 , 09:15:03, 07-Aug-2018
6, 22.99, 18.0, 64, 740, 00 , 09:30:03, 07-Aug-2018
7, 22.67, 19.4, 59, 740, 00 , 09:45:03, 07-Aug-2018
8, 23.30, 20.1, 58, 740, 00 , 10:00:03, 07-Aug-2018
9, 24.00, 21.5, 55, 740, 00 , 10:15:03, 07-Aug-2018
10, 22.75, 24.4, 47, 740, 00 , 10:30:03, 07-Aug-2018
11, 55.40, 28.8, 35, 740, 18 , 10:45:03, 07-Aug-2018
12, 199.64, 32.4, 28, 740, 18 , 11:00:03, 07-Aug-2018
13, 64.32, 32.4, 27, 740, 18 , 11:15:03, 07-Aug-2018
14, 20.16, 31.1, 28, 740, 00 , 11:30:03, 07-Aug-2018
15, 10.75, 31.7, 28, 740, 00 , 11:45:03, 07-Aug-2018
16, 10.22, 31.2, 28, 740, 00 , 12:00:03, 07-Aug-2018
17, 10.08, 30.6, 29, 740, 00 , 12:15:03, 07-Aug-2018
18, 12.38, 32.8, 27, 740, 00 , 12:30:03, 07-Aug-2018
19, 12.97, 35.4, 24, 740, 00 , 12:45:03, 07-Aug-2018
20, 15.19, 35.4, 23, 740, 00 , 13:00:03, 07-Aug-2018
21, 12.66, 36.3, 23, 740, 00 , 13:15:03, 07-Aug-2018
22, 16.42, 36.4, 23, 740, 00 , 13:30:03, 07-Aug-2018
23, 16.79, 34.6, 25, 740, 00 , 13:45:03, 07-Aug-2018
24, 12.10, 33.5, 26, 738, 00 , 14:00:03, 07-Aug-2018
25, 10.96, 34.3, 25, 738, 00 , 14:15:03, 07-Aug-2018
26, 14.44, 34.0, 25, 738, 00 , 14:30:03, 07-Aug-2018
27, 8.92, 34.5, 23, 738, 00 , 14:45:03, 07-Aug-2018
28, 7.17, 34.7, 23, 738, 00 , 15:00:03, 07-Aug-2018
29, 7.85, 33.9, 24, 738, 00 , 15:15:03, 07-Aug-2018
30, 6.72, 32.5, 26, 738, 00 , 15:30:03, 07-Aug-2018
31, 5.19, 31.3, 27, 738, 00 , 15:45:03, 07-Aug-2018
32, 5.99, 30.4, 29, 738, 00 , 16:00:03, 07-Aug-2018
33, 5.65, 29.9, 30, 738, 00 , 16:15:03, 07-Aug-2018
34, 7.51, 29.5, 30, 738, 00 , 16:30:03, 07-Aug-2018
35, 8.47, 29.2, 31, 738, 00 , 16:45:03, 07-Aug-2018
36, 6.44, 28.8, 31, 738, 00 , 17:00:03, 07-Aug-2018
37, 8.64, 28.1, 34, 738, 00 , 17:15:03, 07-Aug-2018
38, 9.84, 27.3, 38, 738, 03 , 17:30:03, 07-Aug-2018

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"Avg point ", 26.141620
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"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 31.24, 20.4, 65, 740, 01 , 08:15:03, 07-Aug-2018
2, 34.93, 20.6, 69, 740, 00 , 08:30:03, 07-Aug-2018
3, 36.76, 21.2, 70, 740, 00 , 08:45:03, 07-Aug-2018
4, 34.34, 21.8, 68, 740, 00 , 09:00:03, 07-Aug-2018
5, 33.12, 22.4, 68, 740, 00 , 09:15:03, 07-Aug-2018
6, 31.87, 23.3, 69, 740, 00 , 09:30:03, 07-Aug-2018
7, 31.37, 24.2, 65, 738, 00 , 09:45:03, 07-Aug-2018
8, 31.45, 24.7, 65, 740, 00 , 10:00:03, 07-Aug-2018
9, 33.66, 25.5, 64, 740, 00 , 10:15:03, 07-Aug-2018
10, 33.12, 26.5, 60, 740, 00 , 10:30:03, 07-Aug-2018
11, 32.14, 27.3, 50, 740, 00 , 10:45:03, 07-Aug-2018
12, 36.92, 28.4, 45, 740, 00 , 11:00:03, 07-Aug-2018
13, 28.88, 29.3, 41, 740, 00 , 11:15:03, 07-Aug-2018
14, 28.64, 30.0, 38, 740, 00 , 11:30:03, 07-Aug-2018
15, 24.32, 30.9, 36, 740, 00 , 11:45:03, 07-Aug-2018
16, 23.46, 31.0, 34, 740, 00 , 12:00:03, 07-Aug-2018
17, 22.58, 31.1, 35, 740, 00 , 12:15:03, 07-Aug-2018
18, 23.49, 32.0, 35, 740, 00 , 12:30:03, 07-Aug-2018
19, 24.88, 33.1, 31, 740, 00 , 12:45:03, 07-Aug-2018
20, 27.60, 33.5, 30, 738, 00 , 13:00:03, 07-Aug-2018
21, 24.95, 34.3, 30, 738, 00 , 13:15:03, 07-Aug-2018
22, 22.32, 34.6, 29, 738, 00 , 13:30:03, 07-Aug-2018
23, 22.59, 33.9, 31, 738, 00 , 13:45:03, 07-Aug-2018
24, 24.84, 33.8, 31, 738, 00 , 14:00:03, 07-Aug-2018
25, 24.29, 34.7, 29, 738, 00 , 14:15:03, 07-Aug-2018
26, 20.27, 35.1, 28, 738, 00 , 14:30:03, 07-Aug-2018
27, 21.77, 35.9, 25, 738, 00 , 14:45:03, 07-Aug-2018
28, 20.37, 36.8, 23, 738, 00 , 15:00:03, 07-Aug-2018
29, 26.14, 37.3, 21, 738, 00 , 15:15:03, 07-Aug-2018
30, 16.89, 36.5, 24, 738, 00 , 15:30:03, 07-Aug-2018
31, 17.23, 36.2, 24, 738, 00 , 15:45:03, 07-Aug-2018
32, 17.15, 36.3, 25, 738, 00 , 16:00:03, 07-Aug-2018
33, 17.65, 37.2, 24, 738, 00 , 16:15:03, 07-Aug-2018
34, 24.14, 37.7, 22, 738, 00 , 16:30:03, 07-Aug-2018
35, 22.57, 38.5, 21, 738, 00 , 16:45:03, 07-Aug-2018
36, 18.52, 38.1, 22, 738, 00 , 17:00:03, 07-Aug-2018
37, 20.78, 37.4, 27, 738, 00 , 17:15:03, 07-Aug-2018

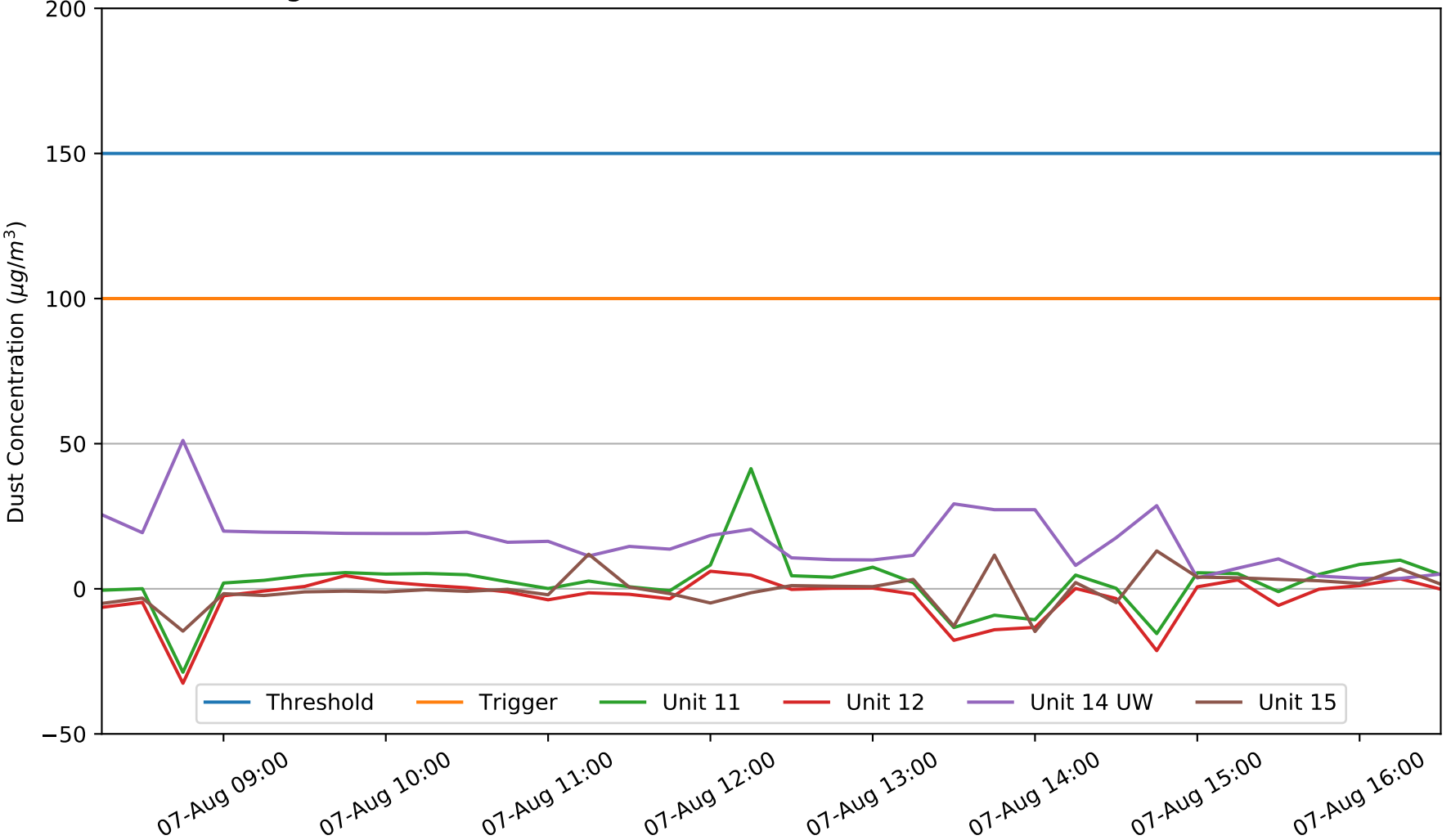
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"Avg point ", 17.487497
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"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
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1, 18.91, 22.5, 83, 738, 01 , 08:15:03, 07-Aug-2018
2, 18.55, 23.1, 84, 738, 00 , 08:30:03, 07-Aug-2018
3, 21.13, 24.2, 81, 738, 00 , 08:45:03, 07-Aug-2018
4, 22.80, 25.1, 77, 738, 00 , 09:00:03, 07-Aug-2018
5, 22.13, 25.8, 75, 738, 00 , 09:15:03, 07-Aug-2018
6, 22.81, 27.5, 70, 738, 00 , 09:30:03, 07-Aug-2018
7, 25.76, 29.1, 62, 738, 00 , 09:45:03, 07-Aug-2018
8, 25.55, 29.9, 62, 738, 00 , 10:00:03, 07-Aug-2018
9, 26.41, 31.0, 60, 738, 00 , 10:15:03, 07-Aug-2018
10, 26.40, 32.2, 55, 738, 00 , 10:30:03, 07-Aug-2018
11, 23.74, 32.8, 52, 738, 00 , 10:45:03, 07-Aug-2018
12, 21.89, 33.3, 49, 738, 00 , 11:00:03, 07-Aug-2018
13, 20.05, 33.8, 46, 738, 00 , 11:15:03, 07-Aug-2018
14, 34.27, 34.1, 45, 738, 01 , 11:30:03, 07-Aug-2018
15, 17.74, 34.9, 43, 738, 00 , 11:45:03, 07-Aug-2018
16, 17.36, 35.1, 42, 738, 00 , 12:00:03, 07-Aug-2018
17, 17.62, 35.2, 43, 738, 00 , 12:15:03, 07-Aug-2018
18, 17.66, 35.7, 43, 738, 00 , 12:30:03, 07-Aug-2018
19, 18.59, 36.5, 42, 738, 00 , 12:45:03, 07-Aug-2018
20, 17.88, 37.3, 39, 738, 00 , 13:00:03, 07-Aug-2018
21, 16.27, 38.7, 37, 736, 00 , 13:15:03, 07-Aug-2018
22, 15.49, 39.4, 35, 738, 00 , 13:30:03, 07-Aug-2018
23, 16.41, 38.7, 37, 736, 00 , 13:45:03, 07-Aug-2018
24, 15.52, 39.1, 36, 736, 00 , 14:00:03, 07-Aug-2018
25, 14.71, 41.1, 33, 736, 00 , 14:15:03, 07-Aug-2018
26, 12.41, 41.8, 31, 736, 00 , 14:30:03, 07-Aug-2018
27, 11.06, 43.2, 28, 736, 00 , 14:45:03, 07-Aug-2018
28, 10.55, 44.5, 25, 736, 00 , 15:00:03, 07-Aug-2018
29, 9.93, 45.6, 24, 736, 00 , 15:15:03, 07-Aug-2018
30, 10.67, 43.9, 26, 736, 00 , 15:30:03, 07-Aug-2018
31, 10.18, 42.3, 29, 736, 00 , 15:45:03, 07-Aug-2018
32, 10.59, 42.4, 29, 736, 00 , 16:00:03, 07-Aug-2018
33, 10.11, 43.6, 27, 736, 00 , 16:15:03, 07-Aug-2018
34, 10.77, 44.2, 26, 736, 00 , 16:30:03, 07-Aug-2018
35, 10.79, 44.8, 26, 736, 00 , 16:45:03, 07-Aug-2018
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37, 13.27, 42.5, 31, 736, 00 , 17:15:03, 07-Aug-2018

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"Max STEL ", 46.991787
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"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
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2, 18.97, 22.2, 76, 738, 00 , 08:30:03, 07-Aug-2018
3, 22.49, 23.0, 76, 738, 00 , 08:45:03, 07-Aug-2018
4, 19.55, 23.9, 74, 738, 00 , 09:00:03, 07-Aug-2018
5, 20.02, 25.5, 69, 738, 00 , 09:15:03, 07-Aug-2018
6, 21.87, 27.9, 63, 738, 00 , 09:30:03, 07-Aug-2018
7, 20.76, 29.1, 59, 738, 00 , 09:45:03, 07-Aug-2018
8, 32.14, 29.3, 58, 738, 02 , 10:00:03, 07-Aug-2018
9, 28.83, 29.9, 57, 738, 00 , 10:15:03, 07-Aug-2018
10, 33.57, 31.5, 53, 738, 00 , 10:30:03, 07-Aug-2018
11, 21.41, 33.3, 46, 738, 00 , 10:45:03, 07-Aug-2018
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13, 14.87, 35.5, 37, 738, 00 , 11:15:03, 07-Aug-2018
14, 17.88, 35.2, 37, 738, 00 , 11:30:03, 07-Aug-2018
15, 21.34, 35.5, 38, 738, 00 , 11:45:03, 07-Aug-2018
16, 13.84, 34.8, 37, 738, 00 , 12:00:03, 07-Aug-2018
17, 15.63, 34.3, 39, 738, 00 , 12:15:03, 07-Aug-2018
18, 12.80, 35.1, 39, 738, 00 , 12:30:03, 07-Aug-2018
19, 16.80, 36.5, 37, 738, 00 , 12:45:03, 07-Aug-2018
20, 14.08, 37.1, 36, 738, 00 , 13:00:03, 07-Aug-2018
21, 13.63, 37.8, 35, 738, 00 , 13:15:03, 07-Aug-2018
22, 15.81, 36.9, 35, 738, 00 , 13:30:03, 07-Aug-2018
23, 27.73, 35.0, 38, 738, 00 , 13:45:03, 07-Aug-2018
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25, 13.40, 35.9, 38, 738, 00 , 14:15:03, 07-Aug-2018
26, 20.46, 35.8, 37, 738, 00 , 14:30:03, 07-Aug-2018
27, 9.92, 36.0, 35, 738, 00 , 14:45:03, 07-Aug-2018
28, 20.25, 36.0, 34, 736, 02 , 15:00:03, 07-Aug-2018
29, 10.02, 36.0, 35, 736, 00 , 15:15:03, 07-Aug-2018
30, 24.38, 35.4, 35, 736, 00 , 15:30:03, 07-Aug-2018
31, 32.55, 34.9, 37, 736, 00 , 15:45:03, 07-Aug-2018
32, 22.01, 34.8, 36, 736, 00 , 16:00:03, 07-Aug-2018
33, 46.04, 35.0, 37, 736, 01 , 16:15:03, 07-Aug-2018
34, 6.07, 35.1, 36, 736, 00 , 16:30:03, 07-Aug-2018
35, 8.79, 35.3, 36, 736, 00 , 16:45:03, 07-Aug-2018
36, 9.53, 34.8, 36, 736, 00 , 17:00:03, 07-Aug-2018
37, 9.16, 34.0, 41, 736, 00 , 17:15:03, 07-Aug-2018
38, 9.54, 33.4, 45, 736, 00 , 17:30:03, 07-Aug-2018

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"Max STEL @ ", 09:00:23 07-Aug-2018
"Avg point ", 16.729023
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"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
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3, 29.32, 28.3, 63, 738, 00 , 08:45:03, 07-Aug-2018
4, 33.77, 29.1, 60, 738, 00 , 09:00:03, 07-Aug-2018
5, 26.29, 30.7, 59, 738, 00 , 09:15:03, 07-Aug-2018
6, 27.04, 33.4, 52, 738, 00 , 09:30:03, 07-Aug-2018
7, 25.88, 33.7, 49, 738, 00 , 09:45:03, 07-Aug-2018
8, 27.94, 32.8, 53, 738, 00 , 10:00:03, 07-Aug-2018
9, 29.73, 32.0, 54, 738, 00 , 10:15:03, 07-Aug-2018
10, 27.64, 31.5, 55, 738, 00 , 10:30:03, 07-Aug-2018
11, 22.31, 31.3, 54, 738, 00 , 10:45:03, 07-Aug-2018
12, 20.29, 31.3, 53, 738, 00 , 11:00:03, 07-Aug-2018
13, 17.56, 31.1, 52, 738, 00 , 11:15:03, 07-Aug-2018
14, 16.95, 31.2, 51, 738, 00 , 11:30:03, 07-Aug-2018
15, 15.93, 31.6, 49, 738, 00 , 11:45:03, 07-Aug-2018
16, 16.38, 31.7, 48, 738, 00 , 12:00:03, 07-Aug-2018
17, 16.07, 31.6, 49, 738, 00 , 12:15:03, 07-Aug-2018
18, 16.04, 32.0, 50, 738, 00 , 12:30:03, 07-Aug-2018
19, 17.75, 32.6, 48, 738, 00 , 12:45:03, 07-Aug-2018
20, 20.28, 32.8, 48, 738, 00 , 13:00:03, 07-Aug-2018
21, 14.94, 33.2, 46, 738, 00 , 13:15:03, 07-Aug-2018
22, 13.95, 33.2, 46, 738, 00 , 13:30:03, 07-Aug-2018
23, 15.32, 32.9, 47, 738, 00 , 13:45:03, 07-Aug-2018
24, 14.00, 32.7, 48, 738, 00 , 14:00:03, 07-Aug-2018
25, 13.23, 33.2, 46, 738, 00 , 14:15:03, 07-Aug-2018
26, 10.28, 33.5, 44, 738, 00 , 14:30:03, 07-Aug-2018
27, 9.02, 33.8, 42, 738, 00 , 14:45:03, 07-Aug-2018
28, 7.84, 34.1, 41, 738, 00 , 15:00:03, 07-Aug-2018
29, 7.54, 34.3, 41, 738, 00 , 15:15:03, 07-Aug-2018
30, 7.77, 33.9, 42, 738, 00 , 15:30:03, 07-Aug-2018
31, 7.03, 33.7, 43, 736, 00 , 15:45:03, 07-Aug-2018
32, 8.14, 33.6, 42, 736, 00 , 16:00:03, 07-Aug-2018
33, 7.40, 33.8, 43, 736, 00 , 16:15:03, 07-Aug-2018
34, 7.96, 33.8, 42, 736, 00 , 16:30:03, 07-Aug-2018
35, 8.57, 33.9, 43, 736, 00 , 16:45:03, 07-Aug-2018
36, 8.44, 33.7, 43, 736, 00 , 17:00:03, 07-Aug-2018
37, 10.82, 33.3, 46, 736, 00 , 17:15:03, 07-Aug-2018
38, 12.59, 33.0, 50, 736, 00 , 17:30:03, 07-Aug-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 07-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 07-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 11	Unit 15	Unit 12	Unit 14 UW	Threshold	Trigger
2018-08-07 08:15:00	-0.5	-5.05	-6.39	25.54	150	100
2018-08-07 08:30:00	0.04	-3.2	-4.66	19.33	150	100
2018-08-07 08:45:00	-28.76	-14.59	-32.55	51.13	150	100
2018-08-07 09:00:00	1.99	-1.68	-2.4	19.87	150	100
2018-08-07 09:15:00	2.92	-2.31	-0.76	19.52	150	100
2018-08-07 09:30:00	4.59	-1.06	0.81	19.38	150	100
2018-08-07 09:45:00	5.58	-0.81	4.54	19.1	150	100
2018-08-07 10:00:00	5.07	-1.07	2.35	19.04	150	100
2018-08-07 10:15:00	5.29	-0.31	1.24	19.04	150	100
2018-08-07 10:30:00	4.85	-0.89	0.36	19.53	150	100
2018-08-07 10:45:00	2.42	-0.18	-1.07	16.03	150	100
2018-08-07 11:00:00	0.09	-2.06	-3.8	16.36	150	100
2018-08-07 11:15:00	2.67	11.92	-1.39	11.3	150	100
2018-08-07 11:30:00	0.7	0.59	-1.89	14.6	150	100
2018-08-07 11:45:00	-0.66	-1.67	-3.46	13.66	150	100
2018-08-07 12:00:00	8.18	-4.89	6.05	18.39	150	100
2018-08-07 12:15:00	41.41	-1.35	4.7	20.51	150	100
2018-08-07 12:30:00	4.5	1.11	-0.21	10.67	150	100
2018-08-07 12:45:00	3.99	0.89	0.19	10.04	150	100
2018-08-07 13:00:00	7.45	0.74	0.23	9.94	150	100
2018-08-07 13:15:00	2.15	3.23	-1.81	11.55	150	100
2018-08-07 13:30:00	-13.35	-12.84	-17.75	29.27	150	100
2018-08-07 13:45:00	-9.1	11.61	-14.1	27.25	150	100
2018-08-07 14:00:00	-10.66	-14.72	-13.3	27.25	150	100
2018-08-07 14:15:00	4.73	2.16	0.12	8.05	150	100
2018-08-07 14:30:00	0.17	-4.79	-3.35	17.58	150	100
2018-08-07 14:45:00	-15.44	13.06	-21.32	28.65	150	100
2018-08-07 15:00:00	5.53	4.03	0.68	3.74	150	100
2018-08-07 15:15:00	5.23	3.79	3.04	7.11	150	100
2018-08-07 15:30:00	-0.98	3.26	-5.72	10.31	150	100
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2018-08-07 16:00:00	8.4	1.84	1.09	3.63	150	100
2018-08-07 16:15:00	9.87	6.88	3.44	3.57	150	100
2018-08-07 16:30:00	4.87	1.6	-0.13	5.07	150	100

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4, 21.86, 26.2, 65, 738, 00 , 09:00:03, 07-Aug-2018
5, 22.44, 28.0, 59, 738, 00 , 09:15:03, 07-Aug-2018
6, 23.97, 30.4, 53, 738, 00 , 09:30:03, 07-Aug-2018
7, 24.68, 30.6, 53, 738, 00 , 09:45:03, 07-Aug-2018
8, 24.11, 30.4, 54, 738, 00 , 10:00:03, 07-Aug-2018
9, 24.33, 31.1, 53, 738, 00 , 10:15:03, 07-Aug-2018
10, 24.38, 32.8, 48, 738, 00 , 10:30:03, 07-Aug-2018
11, 18.45, 35.4, 42, 738, 00 , 10:45:03, 07-Aug-2018
12, 16.45, 38.0, 35, 738, 00 , 11:00:03, 07-Aug-2018
13, 13.97, 38.5, 33, 738, 00 , 11:15:03, 07-Aug-2018
14, 15.30, 37.9, 33, 738, 00 , 11:30:03, 07-Aug-2018
15, 13.00, 38.2, 32, 738, 00 , 11:45:03, 07-Aug-2018
16, 26.57, 37.4, 33, 738, 00 , 12:00:03, 07-Aug-2018
17, 61.92, 36.8, 35, 738, 00 , 12:15:03, 07-Aug-2018
18, 15.17, 37.5, 35, 738, 00 , 12:30:03, 07-Aug-2018
19, 14.03, 38.3, 34, 738, 00 , 12:45:03, 07-Aug-2018
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23, 18.15, 37.2, 34, 738, 00 , 13:45:03, 07-Aug-2018
24, 16.59, 36.0, 38, 738, 00 , 14:00:03, 07-Aug-2018
25, 12.78, 36.4, 37, 738, 00 , 14:15:03, 07-Aug-2018
26, 17.75, 36.6, 36, 738, 00 , 14:30:03, 07-Aug-2018
27, 13.21, 36.9, 35, 738, 00 , 14:45:03, 07-Aug-2018
28, 9.27, 37.3, 33, 738, 00 , 15:00:03, 07-Aug-2018
29, 12.34, 37.2, 33, 738, 00 , 15:15:03, 07-Aug-2018
30, 9.33, 36.4, 34, 736, 00 , 15:30:03, 07-Aug-2018
31, 9.36, 36.1, 36, 736, 00 , 15:45:03, 07-Aug-2018
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"Avg point ", 16.365105
"ALARM   ", "INSTANT "
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"Errors   ", 0000
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"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
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2, 16.13, 21.2, 76, 740, 00 , 08:30:03, 07-Aug-2018
3, 36.54, 23.0, 72, 740, 00 , 08:45:03, 07-Aug-2018
4, 18.19, 23.6, 69, 740, 00 , 09:00:03, 07-Aug-2018
5, 17.21, 24.6, 70, 740, 00 , 09:15:03, 07-Aug-2018
6, 18.32, 26.5, 63, 740, 00 , 09:30:03, 07-Aug-2018
7, 18.29, 27.6, 58, 740, 00 , 09:45:03, 07-Aug-2018
8, 17.97, 27.8, 59, 740, 00 , 10:00:03, 07-Aug-2018
9, 18.73, 28.6, 57, 740, 00 , 10:15:03, 07-Aug-2018
10, 18.64, 29.8, 53, 740, 00 , 10:30:03, 07-Aug-2018
11, 15.85, 30.1, 47, 740, 00 , 10:45:03, 07-Aug-2018
12, 14.30, 29.8, 47, 738, 00 , 11:00:03, 07-Aug-2018
13, 23.22, 29.6, 45, 738, 00 , 11:15:03, 07-Aug-2018
14, 15.19, 29.7, 45, 738, 00 , 11:30:03, 07-Aug-2018
15, 11.99, 30.1, 43, 740, 00 , 11:45:03, 07-Aug-2018
16, 13.50, 29.8, 43, 740, 00 , 12:00:03, 07-Aug-2018
17, 19.16, 30.0, 44, 738, 00 , 12:15:03, 07-Aug-2018
18, 11.78, 30.8, 43, 738, 00 , 12:30:03, 07-Aug-2018
19, 10.93, 31.8, 40, 738, 00 , 12:45:03, 07-Aug-2018
20, 10.68, 32.3, 39, 738, 00 , 13:00:03, 07-Aug-2018
21, 14.78, 33.2, 37, 738, 00 , 13:15:03, 07-Aug-2018
22, 16.43, 33.4, 36, 738, 00 , 13:30:03, 07-Aug-2018
23, 38.86, 32.4, 39, 738, 00 , 13:45:03, 07-Aug-2018
24, 12.53, 32.3, 40, 738, 00 , 14:00:03, 07-Aug-2018
25, 10.21, 33.2, 38, 738, 00 , 14:15:03, 07-Aug-2018
26, 12.79, 33.6, 36, 738, 00 , 14:30:03, 07-Aug-2018
27, 41.71, 34.3, 33, 738, 00 , 14:45:03, 07-Aug-2018
28, 7.77, 34.8, 32, 738, 00 , 15:00:03, 07-Aug-2018
29, 10.90, 34.8, 31, 738, 00 , 15:15:03, 07-Aug-2018
30, 13.57, 33.7, 34, 738, 00 , 15:30:03, 07-Aug-2018
31, 7.16, 33.6, 35, 738, 00 , 15:45:03, 07-Aug-2018
32, 5.47, 34.4, 33, 738, 00 , 16:00:03, 07-Aug-2018
33, 10.45, 35.8, 30, 738, 00 , 16:15:03, 07-Aug-2018
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5, 18.76, 25.7, 62, 740, 00 , 09:15:03, 07-Aug-2018
6, 20.19, 28.4, 54, 740, 00 , 09:30:03, 07-Aug-2018
7, 23.64, 28.7, 54, 740, 00 , 09:45:03, 07-Aug-2018
8, 21.39, 28.1, 56, 740, 00 , 10:00:03, 07-Aug-2018
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18, 10.46, 35.7, 37, 740, 00 , 12:30:03, 07-Aug-2018
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25, 8.17, 35.0, 39, 738, 00 , 14:15:03, 07-Aug-2018
26, 14.23, 35.2, 38, 738, 00 , 14:30:03, 07-Aug-2018
27, 7.33, 35.7, 36, 738, 00 , 14:45:03, 07-Aug-2018
28, 4.42, 36.2, 34, 738, 00 , 15:00:03, 07-Aug-2018
29, 10.15, 36.3, 34, 738, 00 , 15:15:03, 07-Aug-2018
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31, 4.25, 35.2, 36, 738, 00 , 15:45:03, 07-Aug-2018
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"Avg point ", 16.483154
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18, 10.67, 29.5, 44, 740, 00 , 12:30:03, 07-Aug-2018
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21, 11.55, 31.3, 39, 738, 00 , 13:15:03, 07-Aug-2018
22, 29.27, 31.7, 38, 738, 00 , 13:30:03, 07-Aug-2018
23, 27.25, 31.1, 40, 738, 00 , 13:45:03, 07-Aug-2018
24, 27.25, 31.3, 39, 738, 00 , 14:00:03, 07-Aug-2018
25, 8.05, 32.6, 37, 738, 00 , 14:15:03, 07-Aug-2018
26, 17.58, 33.1, 34, 738, 00 , 14:30:03, 07-Aug-2018
27, 28.65, 34.0, 32, 738, 00 , 14:45:03, 07-Aug-2018
28, 3.74, 34.8, 30, 738, 00 , 15:00:03, 07-Aug-2018
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DAILY OBSERVATION REPORT

Report No.:	60	Project File:	MN0832D	Date:	08/08/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Jim Burnett

Site Representative: Matt Schallinger

Arrive at Site: 0645hrs. Leave Site: 1815hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Moderate fog	am	Partly Sunny	Pm
Temperature:	71° F	am	79° F	Pm
Wind Direction:	0 N	am	0 SW	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 60 Project File: MN0832D Date: 08/08/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 22 Total Loads to date: 350

Weight: 20 tons/each Total Weight to date: ~8230 Tons

Non Haz Soil Removal:

Total Loads today: 15 Total Loads to date: 154

Weight: 20-33 tons/each Total Weight to date: ~3999 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: Tons Total Weight to date: 175 Tons

Imported Common Fill:

Total Loads today: 69 Total Loads to date: ~1077

Weight: ~21 Tons/each Total Weight to date: ~7787 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	60	Project File:	MN0832D	Date:	08/08/2018

Summary of Events

AM

- Geosyntec arrived on site at 0645. Attended Recon safety meeting and held Geosyntec safety meeting and planned the day's activities. Reviewed slips/trips/falls and inclement weather procedures.
- Dust monitors were not deployed today because of intermittent to steady rainfall.
- School contractor continued working within phase 1.
- Recon continued to spray water around the site multiple times during the day.
- TSCA material shipping from RPL and non-hazardous material shipping from MSA continued through the end of the day.
- Recon continued to excavate non-hazardous and TSCA material within the site in phase 3. Non-hazardous material was sent down and staged in the MSA. Potential reuse material was also sent to the MSA and staged in windrows for characterization.
- No backfill was completed today due to wet conditions.

PM

- Geosyntec continued to sign waste manifests in the RPL and MSA throughout the day.
- Recon continued to excavate non-hazardous material out of phase 3 and continued to load TSCA trucks.
- Recon continued to excavate TSCA material in phase 3 and placed that material in the TSCA accumulation pile.
- A total of 22 loads of TSCA material was shipped offsite today. A total of 15 loads on non-hazardous material was sent offsite today.
- Geosyntec assisted Recon in sampling efforts in order to characterize material for lead stabilization and excavation efforts.
- Geosyntec shut down and left site around 1800.

Report No.: 60 Project File: MN0832D Date: 08/08/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Rich Tonnucour
- Scott Earley
- (Recon labor) X14

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- CAT 725 Haul truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
None.		

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: 8/24/18

ITEMS OF CONCERN:

None.

DAILY OBSERVATION REPORT

Report No.:	60	Project File:	MN0832D	Date:	08/08/2018

Site Representative: Matt Schallinger

Name (Signature):



Report No.: 60 Project File: MN0832D Date: 08/08/2018

Photo Log
Date : 08/08/2018

	
Morning view of nearly completed phase 2.	Non-haz material loadout from phase 3.
	
Current extent of excavation in phase 3.	Covered piles in the MSA at end of day.

Site Map

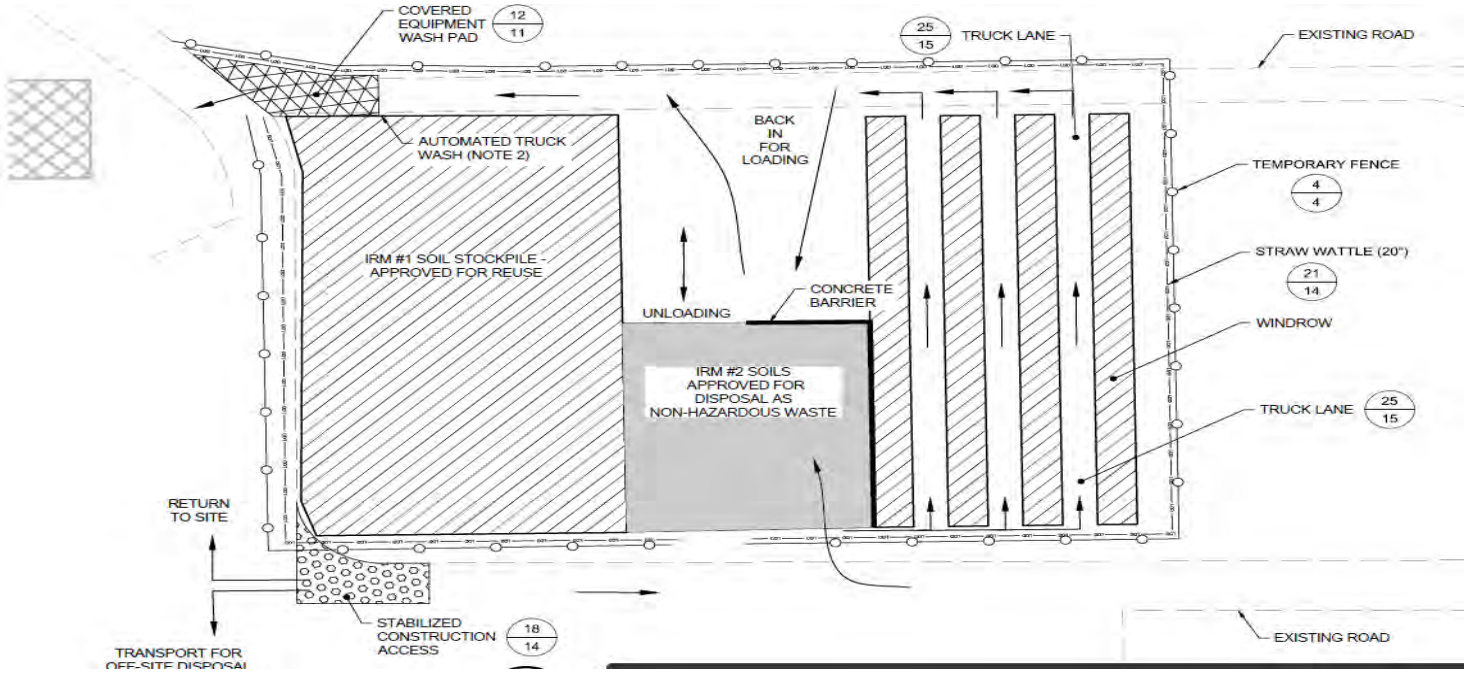
Rear Parking Lot

Report No.: 60 Project File: MN0832D Date: 08/08/2018



N

MSA



DAILY OBSERVATION REPORT

Report No.:	61	Project File:	MN0832D	Date:	08/09/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Jim Burnett

Site Representative: Matt Schallinger

Arrive at Site: 0645hrs. Leave Site: 1815hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Clear	am	Partly Cloudy	Pm
Temperature:	68° F	am	82° F	Pm
Wind Direction:	6 N	am	7 NW	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 61 Project File: MN0832D Date: 08/09/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 10 Total Loads to date: 360

Weight: 20 tons/each Total Weight to date: ~8430 Tons

Non Haz Soil Removal:

Total Loads today: 10 Total Loads to date: 164

Weight: 20-33 tons/each Total Weight to date: ~4199 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: Tons Total Weight to date: 175 Tons

Imported Common Fill:

Total Loads today: 32 Total Loads to date: ~1109

Weight: ~21 Tons/each Total Weight to date: ~8459 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	61	Project File:	MN0832D	Date:	08/09/2018

Summary of Events

AM

- Geosyntec arrived on site at 0645. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed procedures for staying alert while walking near operating heavy equipment.
- Geosyntec calibrated and deployed dust monitors.
- School contractor continued working within phase 1 and was assisted by Recon.
- Recon continues to spray water around the site multiple times during the day.
- TSCA material shipping from RPL and non-hazardous material shipping from MSA continued through the end of the day.
- Recon continued to excavate non-hazardous and TSCA material within the site in phase 3. Non-hazardous material was sent down and staged in the MSA. Potential reuse material was also sent to the MSA and staged in windrows for characterization.
- Non-hazardous material loadout continued in the MSA.

PM

- Geosyntec continued to sign waste manifests in the RPL and MSA throughout the day.
- Recon continued to excavate non-hazardous material out of phase 3 and continued to load TSCA trucks.
- Recon continued to excavate TSCA material in phase 3 and placed that material in the TSCA accumulation pile.
- Backfill was conducted in small areas along the western edge on phases 2 and 3.
- Scott Williams of DEC onsite.
- Patrick Carr of Recon arrives onsite.
- Geosyntec collected samples in the RPL and MSA. Samples in the RPL were collected along the water line and in between the 2 previously uncovered utility pipes. Samples were also collected from the concrete slab in the southwestern portion of phase 3. A characterization sample was also collected from a windrow in the MSA.
- Geosyntec conducted a SWPP investigation.
- A total of 10 loads of TSCA material was shipped offsite today. A total of 15 loads on non-hazardous material was sent offsite today.
- Geosyntec continued to assist Recon in sampling efforts in order to characterize material for lead stabilization and excavation efforts.
- No dust exceedances were recorded today.
- Geosyntec shut down and left site around 1815.

Report No.:	61	Project File:	MN0832D	Date:	08/09/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Patrick Carr
- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Scott Earley
- (Recon labor) X16

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- CAT 725 Haul truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	DEC	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: 8/24/18

ITEMS OF CONCERN:

None.

DAILY OBSERVATION REPORT

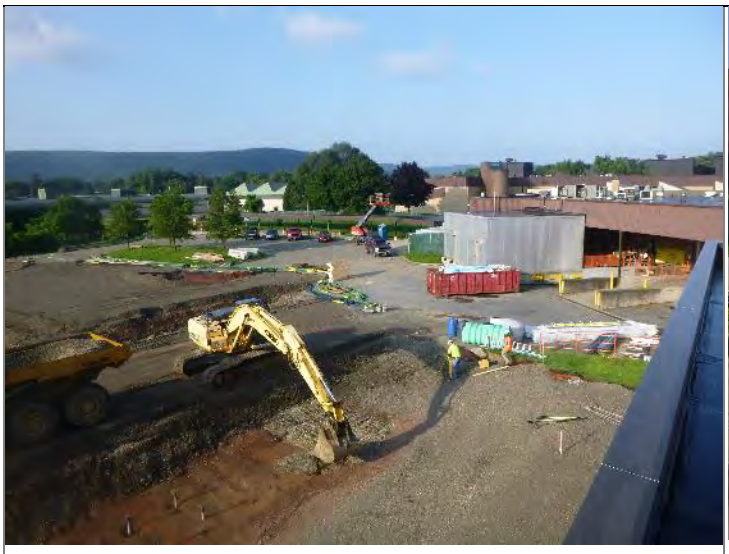
Report No.: 61 Project File: MN0832D Date: 08/09/2018

Site Representative: Matt Schallinger

Name (Signature):

M. Schallinger

Photo Log
Date : 08/09/2018



Recon assisting Welliver with construction in phase 1.



Backfilling and compaction in phase 2.



Recon preparing for backfilling.



TSCA loadout in the RPL.

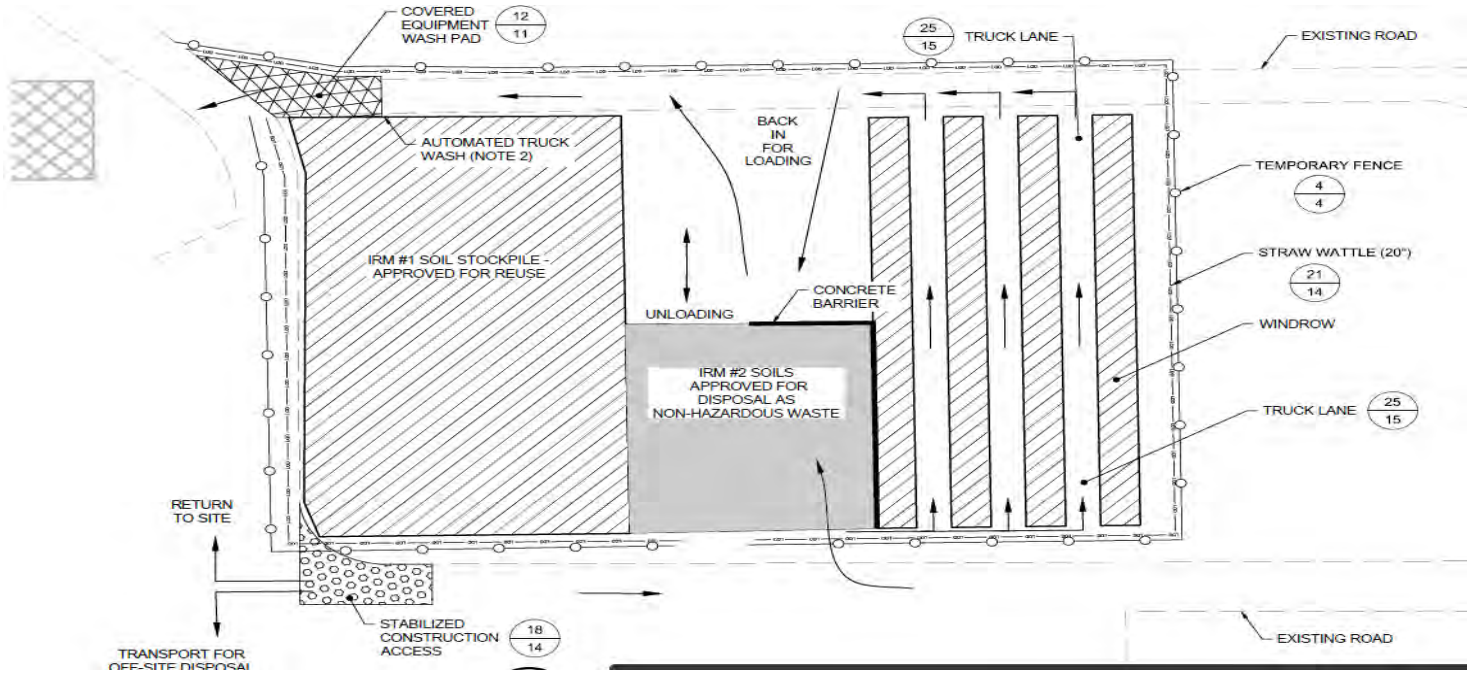
Report No.: 61 Project File: MN0832D Date: 08/09/2018

Site Map

Rear Parking Lot

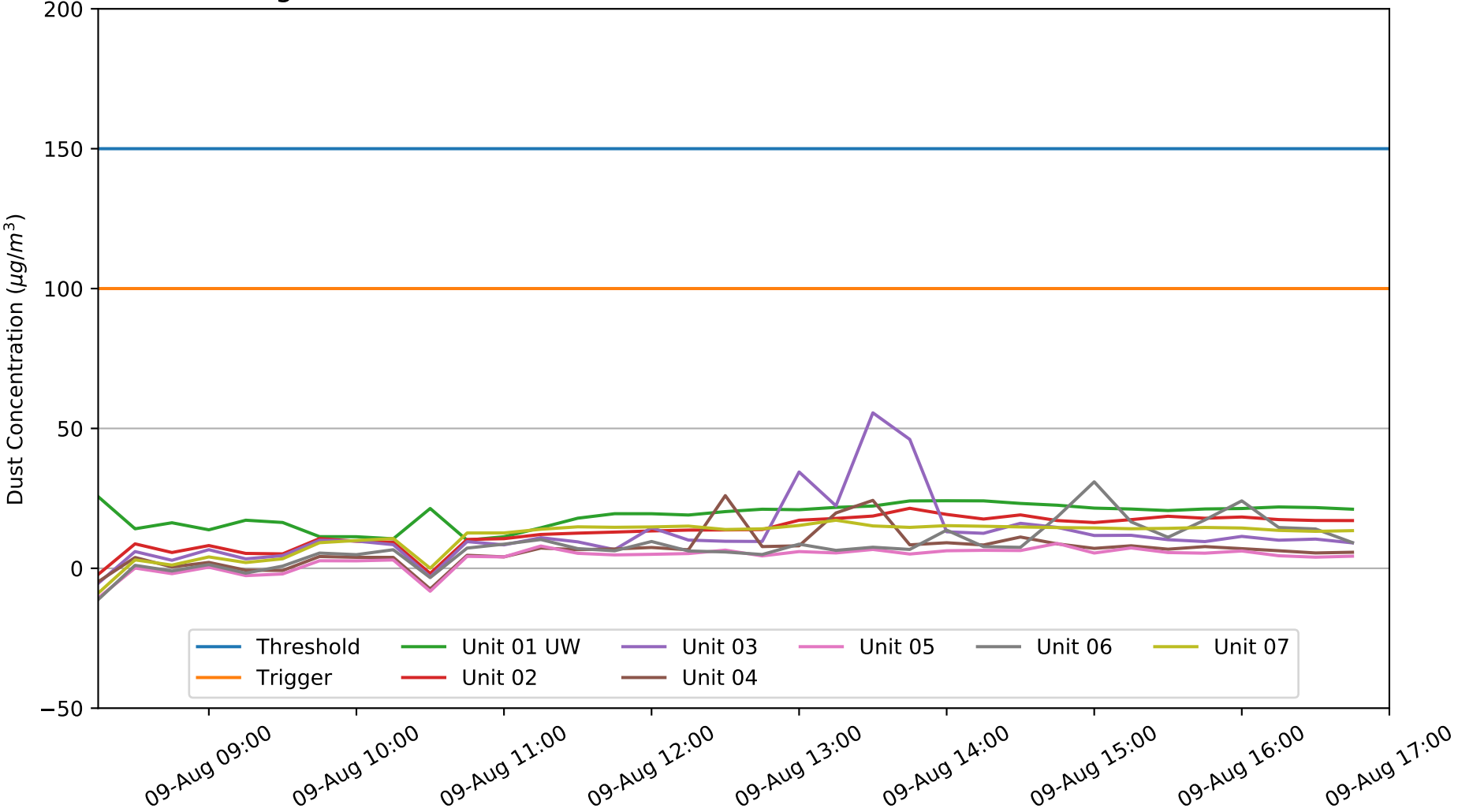


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 09-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 09-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 02	Unit 06	Unit 04	Unit 03	Unit 07	Unit 01 UW	Unit 05	Threshold	Trigger
2018-08-09 08:15:00	-2.19	-11.19	-4.81	-5.4	-8.89	25.61	-10.6	150	100
2018-08-09 08:30:00	8.74	1.06	3.87	5.99	3.01	14.13	0.09	150	100
2018-08-09 08:45:00	5.65	-0.96	0.49	2.86	1.15	16.28	-1.92	150	100
2018-08-09 09:00:00	8.13	1.33	2.11	6.66	4.07	13.76	0.4	150	100
2018-08-09 09:15:00	5.32	-1.73	-0.67	3.37	2.06	17.19	-2.62	150	100
2018-08-09 09:30:00	5.16	0.79	-0.78	4.51	3.4	16.38	-2.02	150	100
2018-08-09 09:45:00	10.63	5.45	4.21	10.03	9.15	11.32	2.7	150	100
2018-08-09 10:00:00	9.67	4.88	3.92	9.74	9.94	11.29	2.66	150	100
2018-08-09 10:15:00	9.32	6.64	3.91	8.45	10.66	10.55	2.98	150	100
2018-08-09 10:30:00	-1.84	-3.33	-7.39	-3.06	0.01	21.39	-8.2	150	100
2018-08-09 10:45:00	10.31	7.22	4.66	9.54	12.63	10.06	4.26	150	100
2018-08-09 11:00:00	10.59	8.63	4.08	8.38	12.64	11.28	4.07	150	100
2018-08-09 11:15:00	12.1	10.28	7.23	10.94	13.96	14.49	7.97	150	100
2018-08-09 11:30:00	12.57	7.04	6.67	9.45	14.83	17.91	5.35	150	100
2018-08-09 11:45:00	12.95	6.26	6.91	6.68	14.66	19.52	4.79	150	100
2018-08-09 12:00:00	13.35	9.58	7.44	14.52	14.79	19.51	5	150	100
2018-08-09 12:15:00	13.66	6.2	6.63	10.09	15.08	19.05	5.27	150	100
2018-08-09 12:30:00	13.72	5.84	25.99	9.66	13.87	20.27	6.5	150	100
2018-08-09 12:45:00	13.85	4.93	7.76	9.59	14.11	21.12	4.43	150	100
2018-08-09 13:00:00	17.19	8.63	8.04	34.44	15.32	20.94	5.98	150	100
2018-08-09 13:15:00	17.83	6.41	19.79	22.33	17.19	21.78	5.49	150	100
2018-08-09 13:30:00	18.68	7.53	24.29	55.58	15.15	22.26	6.74	150	100
2018-08-09 13:45:00	21.45	6.75	8.39	46.09	14.63	24.09	5.1	150	100
2018-08-09 14:00:00	19.26	13.66	9.14	13.05	15.25	24.15	6.27	150	100
2018-08-09 14:15:00	17.61	7.75	8.34	12.51	15.03	24.11	6.43	150	100
2018-08-09 14:30:00	19.09	7.49	11.18	16.08	14.79	23.19	6.35	150	100
2018-08-09 14:45:00	17.06	18.41	8.73	14.62	14.56	22.55	8.88	150	100
2018-08-09 15:00:00	16.36	30.92	7.12	11.73	14.43	21.52	5.46	150	100
2018-08-09 15:15:00	17.4	16.61	8.05	11.8	14.14	21.19	7.28	150	100
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2018-08-09 16:00:00	18.34	24.11	7.03	11.41	14.4	21.37	6.19	150	100
2018-08-09 16:15:00	17.42	14.59	6.28	10.05	13.55	21.93	4.49	150	100
2018-08-09 16:30:00	17.09	14.06	5.49	10.44	13.21	21.71	3.98	150	100
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4, 20.42, 15.0, 68, 738, 00 , 09:00:03, 09-Aug-2018
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9, 19.00, 23.1, 42, 738, 00 , 10:15:03, 09-Aug-2018
10, 18.33, 26.1, 35, 738, 00 , 10:30:03, 09-Aug-2018
11, 19.60, 28.4, 30, 738, 00 , 10:45:03, 09-Aug-2018
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13, 25.43, 32.4, 24, 738, 00 , 11:15:03, 09-Aug-2018
14, 27.36, 34.5, 21, 738, 00 , 11:30:03, 09-Aug-2018
15, 26.20, 35.6, 19, 738, 00 , 11:45:03, 09-Aug-2018
16, 34.03, 36.5, 18, 738, 00 , 12:00:03, 09-Aug-2018
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18, 29.93, 35.8, 19, 738, 00 , 12:30:03, 09-Aug-2018
19, 30.71, 35.7, 18, 738, 00 , 12:45:03, 09-Aug-2018
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22, 77.84, 38.8, 15, 738, 00 , 13:30:03, 09-Aug-2018
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29, 32.99, 38.0, 14, 738, 00 , 15:15:03, 09-Aug-2018
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32, 32.78, 29.5, 21, 736, 00 , 16:00:03, 09-Aug-2018
33, 31.98, 28.0, 22, 736, 00 , 16:15:03, 09-Aug-2018
34, 32.15, 27.0, 25, 736, 00 , 16:30:03, 09-Aug-2018
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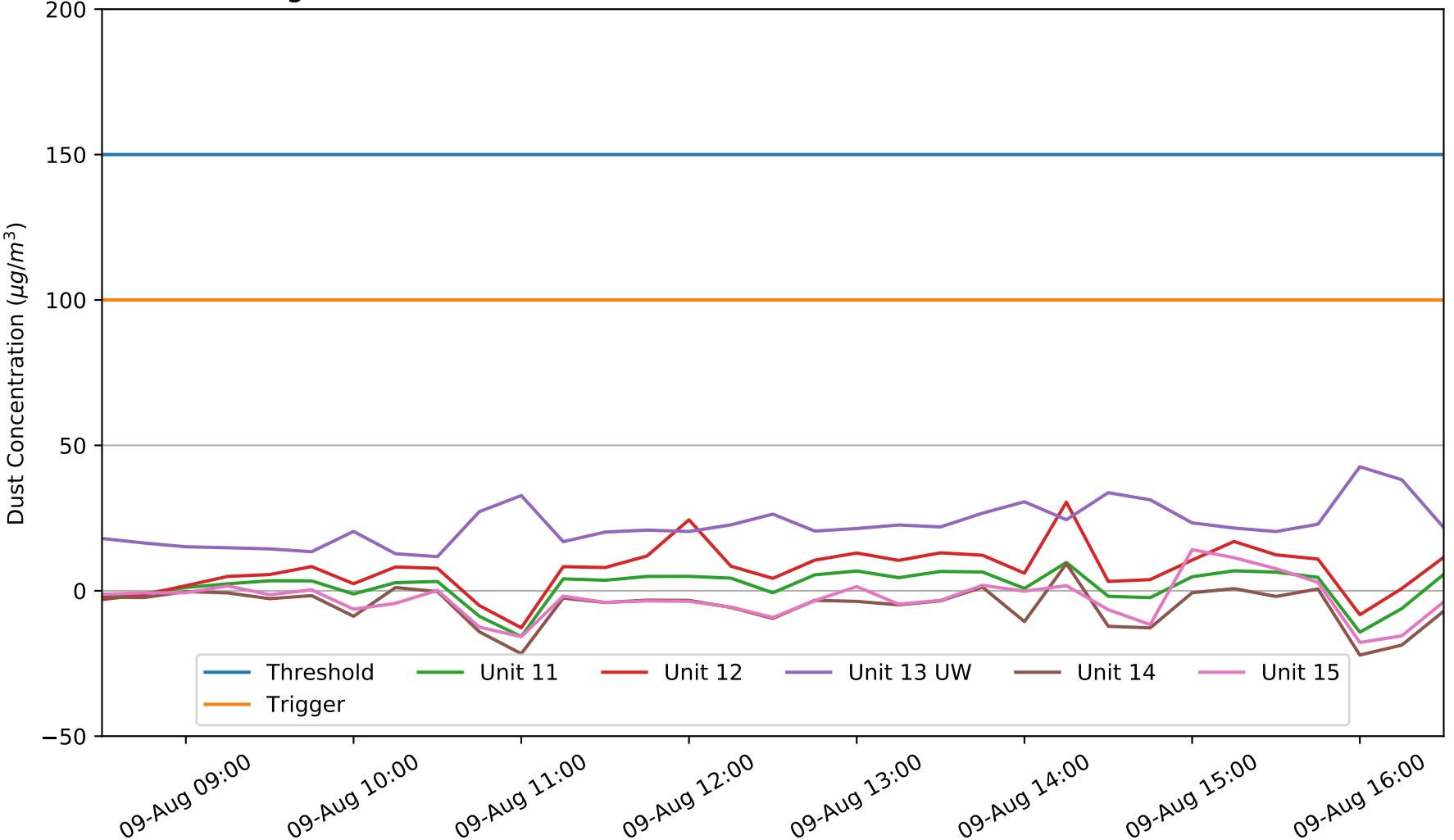
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9, 21.21, 26.7, 62, 736, 00 , 10:15:03, 09-Aug-2018
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16, 34.30, 30.1, 42, 736, 00 , 12:00:03, 09-Aug-2018
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18, 34.14, 30.2, 43, 736, 00 , 12:30:03, 09-Aug-2018
19, 35.23, 30.4, 43, 736, 00 , 12:45:03, 09-Aug-2018
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22, 37.41, 31.7, 39, 734, 00 , 13:30:03, 09-Aug-2018
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24, 39.40, 32.6, 35, 734, 00 , 14:00:03, 09-Aug-2018
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4, 13.76, 22.6, 73, 736, 00 , 09:00:03, 09-Aug-2018
5, 17.19, 23.3, 70, 736, 00 , 09:15:03, 09-Aug-2018
6, 16.38, 24.5, 67, 736, 00 , 09:30:03, 09-Aug-2018
7, 11.32, 26.2, 62, 736, 00 , 09:45:03, 09-Aug-2018
8, 11.29, 27.7, 55, 736, 00 , 10:00:03, 09-Aug-2018
9, 10.55, 29.3, 50, 736, 00 , 10:15:03, 09-Aug-2018
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12, 11.28, 32.3, 41, 736, 00 , 11:00:03, 09-Aug-2018
13, 14.49, 33.6, 37, 736, 00 , 11:15:03, 09-Aug-2018
14, 17.91, 34.4, 32, 736, 00 , 11:30:03, 09-Aug-2018
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17, 19.05, 34.4, 30, 736, 00 , 12:15:03, 09-Aug-2018
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31, 21.21, 38.3, 22, 736, 00 , 15:45:03, 09-Aug-2018
32, 21.37, 37.3, 23, 736, 00 , 16:00:03, 09-Aug-2018
33, 21.93, 34.8, 25, 736, 00 , 16:15:03, 09-Aug-2018
34, 21.71, 34.3, 27, 736, 00 , 16:30:03, 09-Aug-2018
35, 21.13, 34.9, 27, 734, 00 , 16:45:03, 09-Aug-2018

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"Max STEL @ ", 14:32:53 09-Aug-2018
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"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
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"FlowRate ", 1.200000
"Site Name ", "Factory default"
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3, 14.36, 23.0, 73, 736, 00 , 08:45:03, 09-Aug-2018
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6, 14.36, 24.0, 69, 736, 00 , 09:30:03, 09-Aug-2018
7, 14.02, 24.6, 66, 736, 00 , 09:45:03, 09-Aug-2018
8, 13.95, 25.2, 62, 736, 00 , 10:00:03, 09-Aug-2018
9, 13.53, 25.7, 60, 736, 00 , 10:15:03, 09-Aug-2018
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26, 29.54, 30.3, 33, 734, 00 , 14:30:03, 09-Aug-2018
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33, 26.42, 31.2, 31, 734, 00 , 16:15:03, 09-Aug-2018
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35, 25.46, 31.2, 32, 734, 00 , 16:45:03, 09-Aug-2018
36, 25.92, 31.1, 32, 734, 00 , 17:00:03, 09-Aug-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 09-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 09-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 13 UW	Unit 12	Unit 11	Unit 15	Unit 14	Threshold	Trigger
2018-08-09 08:30:00	17.98	-3	-2.2	-1.19	-2.24	150	100
2018-08-09 08:45:00	16.43	-1.36	-0.91	-0.74	-2.34	150	100
2018-08-09 09:00:00	15.13	1.75	1.11	-0.68	-0.28	150	100
2018-08-09 09:15:00	14.79	4.94	2.4	1.67	-0.74	150	100
2018-08-09 09:30:00	14.4	5.57	3.44	-1.37	-2.73	150	100
2018-08-09 09:45:00	13.43	8.31	3.4	0.32	-1.66	150	100
2018-08-09 10:00:00	20.41	2.42	-1.11	-6.34	-8.77	150	100
2018-08-09 10:15:00	12.73	8.18	2.79	-4.32	1.11	150	100
2018-08-09 10:30:00	11.74	7.74	3.19	0.14	-0.27	150	100
2018-08-09 10:45:00	27.21	-5.09	-8.77	-12.51	-14.11	150	100
2018-08-09 11:00:00	32.74	-12.73	-15.75	-15.81	-21.63	150	100
2018-08-09 11:15:00	16.89	8.29	4.1	-1.85	-2.52	150	100
2018-08-09 11:30:00	20.18	8	3.62	-4	-4.04	150	100
2018-08-09 11:45:00	20.86	11.97	4.93	-3.5	-3.24	150	100
2018-08-09 12:00:00	20.38	24.41	4.96	-3.63	-3.3	150	100
2018-08-09 12:15:00	22.67	8.45	4.34	-5.6	-5.74	150	100
2018-08-09 12:30:00	26.36	4.27	-0.7	-9.2	-9.51	150	100
2018-08-09 12:45:00	20.53	10.53	5.48	-3.39	-3.3	150	100
2018-08-09 13:00:00	21.41	12.99	6.8	1.44	-3.65	150	100
2018-08-09 13:15:00	22.62	10.45	4.51	-4.58	-4.83	150	100
2018-08-09 13:30:00	21.96	13.05	6.64	-3.3	-3.46	150	100
2018-08-09 13:45:00	26.68	12.22	6.46	1.87	1.24	150	100
2018-08-09 14:00:00	30.62	6.05	0.81	-0.14	-10.6	150	100
2018-08-09 14:15:00	24.42	30.46	9.73	1.76	9.3	150	100
2018-08-09 14:30:00	33.73	3.21	-1.91	-6.51	-12.21	150	100
2018-08-09 14:45:00	31.27	3.84	-2.37	-11.63	-12.77	150	100
2018-08-09 15:00:00	23.35	10.55	4.82	14.14	-0.69	150	100
2018-08-09 15:15:00	21.57	16.95	6.86	11.37	0.74	150	100
2018-08-09 15:30:00	20.37	12.35	6.4	7.61	-1.96	150	100
2018-08-09 15:45:00	22.89	10.92	4.62	2.92	0.61	150	100
2018-08-09 16:00:00	42.64	-8.24	-14.25	-17.77	-22.11	150	100
2018-08-09 16:15:00	38.19	0.76	-6.12	-15.51	-18.68	150	100
2018-08-09 16:30:00	21.74	11.51	5.66	-3.82	-7.01	150	100

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5, 14.40, 24.3, 68, 734, 00 , 09:30:03, 09-Aug-2018
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7, 20.41, 28.0, 61, 734, 00 , 10:00:03, 09-Aug-2018
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9, 11.74, 30.9, 48, 734, 00 , 10:30:03, 09-Aug-2018
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13, 20.18, 34.3, 38, 736, 00 , 11:30:03, 09-Aug-2018
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21, 21.96, 39.0, 30, 736, 00 , 13:30:03, 09-Aug-2018
22, 26.68, 40.0, 27, 736, 00 , 13:45:03, 09-Aug-2018
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24, 24.42, 40.7, 19, 736, 00 , 14:15:03, 09-Aug-2018
25, 33.73, 40.6, 20, 736, 00 , 14:30:03, 09-Aug-2018
26, 31.27, 40.6, 18, 736, 00 , 14:45:03, 09-Aug-2018
27, 23.35, 40.4, 20, 734, 00 , 15:00:03, 09-Aug-2018
28, 21.57, 40.7, 19, 736, 00 , 15:15:03, 09-Aug-2018
29, 20.37, 40.3, 18, 734, 00 , 15:30:03, 09-Aug-2018
30, 22.89, 39.3, 27, 734, 00 , 15:45:03, 09-Aug-2018
31, 42.64, 38.2, 29, 734, 00 , 16:00:03, 09-Aug-2018
32, 38.19, 37.3, 29, 734, 00 , 16:15:03, 09-Aug-2018
33, 21.74, 36.6, 31, 734, 00 , 16:30:03, 09-Aug-2018

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7, 22.83, 29.3, 47, 738, 00 , 10:00:03, 09-Aug-2018
8, 20.91, 31.7, 41, 738, 00 , 10:15:03, 09-Aug-2018
9, 19.48, 33.1, 38, 738, 00 , 10:30:03, 09-Aug-2018
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20, 33.07, 33.5, 33, 738, 00 , 13:15:03, 09-Aug-2018
21, 35.01, 33.7, 32, 738, 00 , 13:30:03, 09-Aug-2018
22, 38.90, 33.8, 31, 738, 00 , 13:45:03, 09-Aug-2018
23, 36.67, 33.9, 30, 738, 00 , 14:00:03, 09-Aug-2018
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27, 33.90, 31.8, 32, 738, 00 , 15:00:03, 09-Aug-2018
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29, 32.72, 32.2, 33, 738, 00 , 15:30:03, 09-Aug-2018
30, 33.81, 32.0, 31, 736, 00 , 15:45:03, 09-Aug-2018
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"ALARM_LEVEL(mg) ", 0.100000
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"RH CORRECT ", "ENABLED "
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22, 27.92, 27.9, 34, 736, 00 , 13:45:03, 09-Aug-2018
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DAILY OBSERVATION REPORT

Report No.:	62	Project File:	MN0832D	Date:	08/10/2018

Geosyntec consultants

engineers | scientists | innovators

Beech and Bonaparte engineering p.c.

an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Jim Burnett

Site Representative: Matt Schallinger

Arrive at Site: 0645hrs. Leave Site: 1800hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Cloudy	am	Partly Cloudy	Pm
Temperature:	64° F	am	78° F	Pm
Wind Direction:	6 N	am	10 NW	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☒	No ☐	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 62 Project File: MN0832D Date: 08/10/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 9 Total Loads to date: 369

Weight: 20 tons/each Total Weight to date: ~8610 Tons

Non Haz Soil Removal:

Total Loads today: 9 Total Loads to date: 173

Weight: 20-33 tons/each Total Weight to date: ~4379 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: Tons Total Weight to date: 175 Tons

Imported Common Fill:

Total Loads today: 23 Total Loads to date: ~1134

Weight: ~21 Tons/each Total Weight to date: ~8942 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	62	Project File:	MN0832D	Date:	08/10/2018

Summary of Events

AM

- Geosyntec arrived on site at 0645. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed procedures for staying alert while walking near operating heavy equipment. Also discussed stop work authority.
- Geosyntec calibrated and deployed dust monitors.
- School contractor continued working within phase 1 and was assisted by Recon.
- Recon constructed backfill in the western portions of phase 2 and 3.
- Recon and Hunt take as built surveys of the excavation in phase 3.
- Recon continues to spray water around the site multiple times during the day.
- TSCA material shipping from RPL and non-hazardous material shipping from the MSA continued through the end of the day.
- Recon continued to excavate non-hazardous and TSCA material within the site in phase 3. Non-hazardous material was sent down and staged in the MSA.
- Non-hazardous material loadout continued in the MSA.
- Geosyntec collected a sample from an area near B124 (8-10 ft bgs) due to observation of hydrocarbon odors. The material was scanned with a PID and a total of 50 ppm was observed.

PM

- Geosyntec continued to sign waste manifests in the RPL and MSA throughout the day.
- Recon continued to excavate non-hazardous material out of phase 3 and continued to load TSCA trucks.
- Recon continued to excavate TSCA material in phase 3 and placed that material in the TSCA accumulation pile.
- Backfill continued to be placed along the western edge on phases 2 and 3.
- Atlantic Testing performed three in place density tests and all tests passed minimum compaction criteria.
- Scott Williams of DEC onsite.
- Recon and Geosyntec review excavation extents for backfill approval.
- Geosyntec collected a confirmatory bottom sample in phase 3.
- A total of 9 loads of TSCA material was shipped offsite today. A total of 9 loads on non-hazardous material was sent offsite today from the MSA.
- Geosyntec shut down and left site around 1800.

Report No.: 62 Project File: MN0832D Date: 08/10/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Patrick Carr
- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Scott Earley
- (Recon labor) X16

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- CAT 725 Haul truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	DEC	Yes
Seth Lovell	Hunt	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: 8/24/18

ITEMS OF CONCERN:

A brief trigger exceedance was recorded in the MSA.

DAILY OBSERVATION REPORT

Report No.:	62	Project File:	MN0832D	Date:	08/10/2018

Site Representative: Matt Schallinger

Name (Signature):



Report No.:	62	Project File:	MN0832D	Date:	08/10/2018

Photo Log
Date : 08/10/2018



Morning view of the RPL.



Recon washing trucks leaving the RPL.



Hunt and Recon performing as built surveys.



Recon preparing for backfilling operations.

DAILY OBSERVATION REPORT

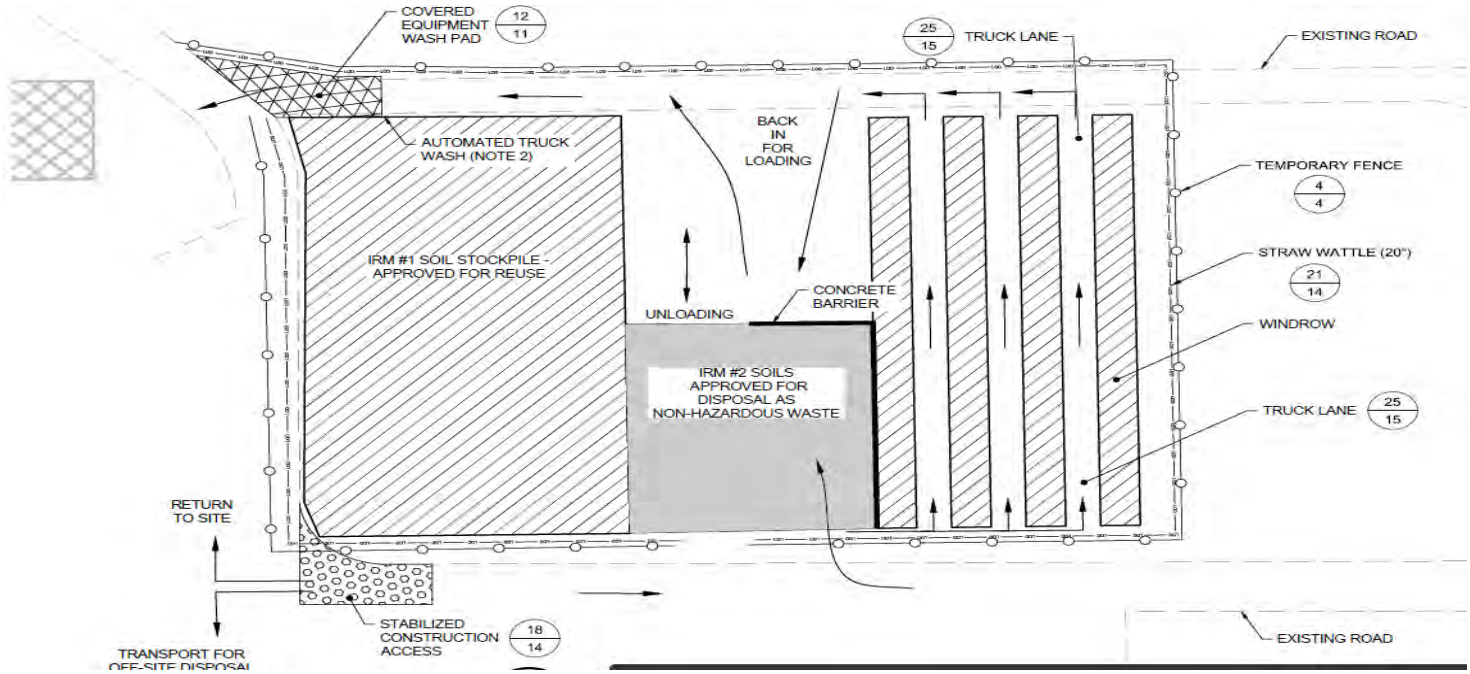
Report No.:	62	Project File:	MN0832D	Date:	08/10/2018

Site Map

Rear Parking Lot

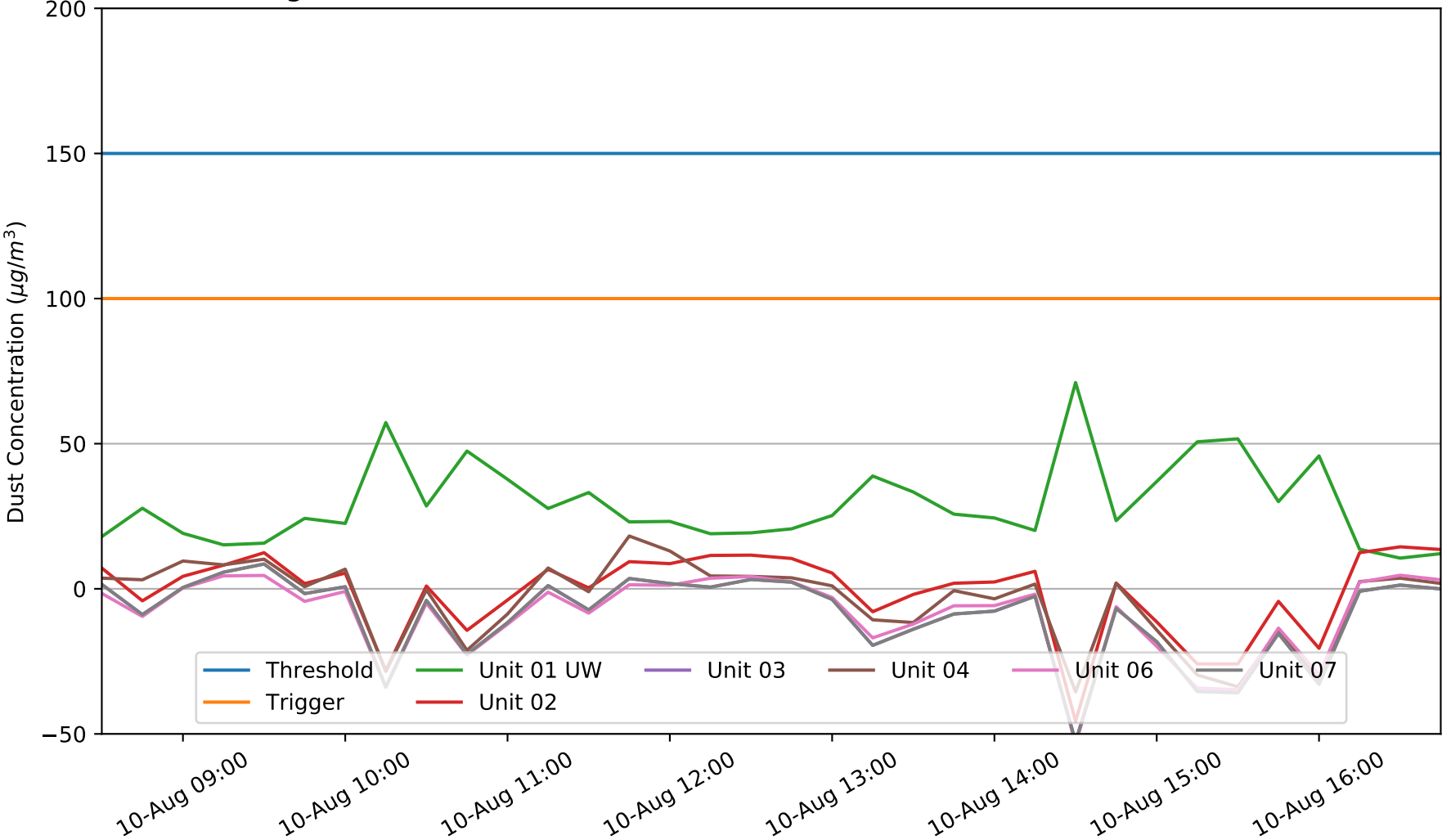


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 10-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 10-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 07	Unit 01 UW	Unit 02	Unit 06	Unit 04	Unit 03	Threshold	Trigger
2018-08-10 08:30:00	1.52	17.97	7.15	-1.58	3.68	1.52	150	100
2018-08-10 08:45:00	-8.88	27.76	-4.14	-9.53	3.11	-8.88	150	100
2018-08-10 09:00:00	0.44	19.11	4.3	0.3	9.57	0.44	150	100
2018-08-10 09:15:00	5.72	15.14	8.14	4.46	8.25	5.72	150	100
2018-08-10 09:30:00	8.54	15.72	12.44	4.6	10.2	8.54	150	100
2018-08-10 09:45:00	-1.65	24.27	1.79	-4.33	0.73	-1.65	150	100
2018-08-10 10:00:00	0.7	22.52	5.42	-0.91	6.78	0.7	150	100
2018-08-10 10:15:00	-33.85	57.27	-28.16	-33.86	-28.48	-33.85	150	100
2018-08-10 10:30:00	-3.99	28.53	0.97	-4.95	-0.36	-3.99	150	100
2018-08-10 10:45:00	-22.58	47.47	-14.32	-22.82	-21.2	-22.58	150	100
2018-08-10 11:00:00	-11.66	37.72	-3.86	-12.21	-8.68	-11.66	150	100
2018-08-10 11:15:00	1.1	27.67	6.71	-1.16	7.18	1.1	150	100
2018-08-10 11:30:00	-7.26	33.17	0.31	-8.38	-1.02	-7.26	150	100
2018-08-10 11:45:00	3.54	23.05	9.35	1.39	18.19	3.54	150	100
2018-08-10 12:00:00	1.81	23.22	8.67	1.22	13.03	1.81	150	100
2018-08-10 12:15:00	0.57	18.97	11.49	3.64	4.43	0.57	150	100
2018-08-10 12:30:00	3.22	19.28	11.6	4.23	4.28	3.22	150	100
2018-08-10 12:45:00	2.3	20.66	10.45	2.41	3.79	2.3	150	100
2018-08-10 13:00:00	-3.66	25.24	5.43	-2.98	1.01	-3.66	150	100
2018-08-10 13:15:00	-19.49	38.86	-7.9	-16.91	-10.69	-19.49	150	100
2018-08-10 13:30:00	-13.93	33.36	-1.94	-12.14	-11.62	-13.93	150	100
2018-08-10 13:45:00	-8.68	25.72	1.91	-5.86	-0.63	-8.68	150	100
2018-08-10 14:00:00	-7.69	24.41	2.35	-5.8	-3.45	-7.69	150	100
2018-08-10 14:15:00	-2.56	20.09	6.03	-1.85	1.63	-2.56	150	100
2018-08-10 14:30:00	-52.73	71.07	-45.64	-53.5	-35.52	-52.73	150	100
2018-08-10 14:45:00	-6.76	23.47	1.99	-6.15	1.85	-6.76	150	100
2018-08-10 15:00:00	-18.23	36.96	-11.4	-19.85	-14.21	-18.23	150	100
2018-08-10 15:15:00	-35.33	50.64	-25.88	-34.22	-29.69	-35.33	150	100
2018-08-10 15:30:00	-35.81	51.67	-25.9	-34.76	-33.75	-35.81	150	100
2018-08-10 15:45:00	-15.41	30.03	-4.33	-13.53	-14.5	-15.41	150	100
2018-08-10 16:00:00	-32.87	45.8	-20.5	-29.52	-31.45	-32.87	150	100
2018-08-10 16:15:00	-0.85	13.62	12.45	2.27	2.48	-0.85	150	100
2018-08-10 16:30:00	1.29	10.57	14.46	4.67	3.67	1.29	150	100
2018-08-10 16:45:00	-0.04	12.11	13.54	3.09	1.85	-0.04	150	100

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"Max STEL @ ", 11:13:03 10-Aug-2018
"Avg point ", 19.997974
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
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1, 19.49, 13.0, 65, 738, 01 , 08:30:03, 10-Aug-2018
2, 18.88, 13.6, 65, 738, 00 , 08:45:03, 10-Aug-2018
3, 19.55, 14.5, 63, 738, 00 , 09:00:03, 10-Aug-2018
4, 20.86, 15.3, 60, 738, 00 , 09:15:03, 10-Aug-2018
5, 24.26, 16.0, 58, 738, 00 , 09:30:03, 10-Aug-2018
6, 22.62, 17.9, 53, 738, 00 , 09:45:03, 10-Aug-2018
7, 23.22, 19.9, 48, 738, 00 , 10:00:03, 10-Aug-2018
8, 23.42, 21.2, 45, 738, 00 , 10:15:03, 10-Aug-2018
9, 24.54, 21.6, 45, 738, 00 , 10:30:03, 10-Aug-2018
10, 24.89, 23.9, 39, 738, 00 , 10:45:03, 10-Aug-2018
11, 26.06, 23.8, 39, 738, 00 , 11:00:03, 10-Aug-2018
12, 28.77, 23.5, 40, 738, 00 , 11:15:03, 10-Aug-2018
13, 25.91, 24.6, 38, 738, 00 , 11:30:03, 10-Aug-2018
14, 26.59, 24.3, 39, 738, 00 , 11:45:03, 10-Aug-2018
15, 25.03, 24.4, 39, 738, 00 , 12:00:03, 10-Aug-2018
16, 19.54, 25.6, 36, 738, 00 , 12:15:03, 10-Aug-2018
17, 22.50, 26.6, 34, 738, 00 , 12:30:03, 10-Aug-2018
18, 22.96, 26.2, 34, 738, 00 , 12:45:03, 10-Aug-2018
19, 21.58, 27.1, 32, 738, 00 , 13:00:03, 10-Aug-2018
20, 19.37, 29.5, 29, 738, 00 , 13:15:03, 10-Aug-2018
21, 19.43, 31.9, 25, 738, 00 , 13:30:03, 10-Aug-2018
22, 17.04, 31.8, 25, 738, 00 , 13:45:03, 10-Aug-2018
23, 16.72, 31.1, 26, 738, 00 , 14:00:03, 10-Aug-2018
24, 17.53, 30.6, 25, 738, 00 , 14:15:03, 10-Aug-2018
25, 18.34, 31.6, 25, 738, 00 , 14:30:03, 10-Aug-2018
26, 16.71, 32.1, 24, 738, 00 , 14:45:03, 10-Aug-2018
27, 18.73, 32.8, 23, 738, 00 , 15:00:03, 10-Aug-2018
28, 15.31, 30.8, 25, 738, 00 , 15:15:03, 10-Aug-2018
29, 15.86, 29.1, 27, 738, 00 , 15:30:03, 10-Aug-2018
30, 14.62, 27.8, 28, 738, 00 , 15:45:03, 10-Aug-2018
31, 12.93, 26.9, 28, 738, 00 , 16:00:03, 10-Aug-2018
32, 12.77, 26.2, 30, 738, 00 , 16:15:03, 10-Aug-2018
33, 11.86, 25.7, 32, 738, 00 , 16:30:03, 10-Aug-2018
34, 12.07, 25.2, 34, 738, 00 , 16:45:03, 10-Aug-2018

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"Max Disp @ ", 14:27:59 10-Aug-2018
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"Max STEL @ ", 14:36:03 10-Aug-2018
"Avg point ", 29.209909
"ALARM   ", "INSTANT "
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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 17.97, 20.9, 62, 738, 01 , 08:30:03, 10-Aug-2018
2, 27.76, 21.4, 67, 738, 00 , 08:45:03, 10-Aug-2018
3, 19.11, 22.4, 66, 738, 00 , 09:00:03, 10-Aug-2018
4, 15.14, 23.2, 65, 738, 00 , 09:15:03, 10-Aug-2018
5, 15.72, 23.9, 63, 738, 00 , 09:30:03, 10-Aug-2018
6, 24.27, 25.4, 59, 738, 00 , 09:45:03, 10-Aug-2018
7, 22.52, 27.0, 54, 738, 00 , 10:00:03, 10-Aug-2018
8, 57.27, 27.8, 52, 738, 00 , 10:15:03, 10-Aug-2018
9, 28.53, 27.9, 52, 738, 00 , 10:30:03, 10-Aug-2018
10, 47.47, 29.0, 50, 738, 00 , 10:45:03, 10-Aug-2018
11, 37.72, 28.9, 51, 738, 00 , 11:00:03, 10-Aug-2018
12, 27.67, 29.1, 49, 738, 00 , 11:15:03, 10-Aug-2018
13, 33.17, 29.4, 49, 738, 00 , 11:30:03, 10-Aug-2018
14, 23.05, 29.1, 50, 738, 00 , 11:45:03, 10-Aug-2018
15, 23.22, 28.8, 51, 738, 00 , 12:00:03, 10-Aug-2018
16, 18.97, 29.1, 50, 738, 00 , 12:15:03, 10-Aug-2018
17, 19.28, 29.5, 49, 738, 00 , 12:30:03, 10-Aug-2018
18, 20.66, 29.7, 48, 738, 00 , 12:45:03, 10-Aug-2018
19, 25.24, 30.3, 46, 738, 00 , 13:00:03, 10-Aug-2018
20, 38.86, 30.7, 44, 738, 00 , 13:15:03, 10-Aug-2018
21, 33.36, 31.8, 42, 738, 00 , 13:30:03, 10-Aug-2018
22, 25.72, 31.8, 41, 738, 00 , 13:45:03, 10-Aug-2018
23, 24.41, 31.9, 40, 736, 00 , 14:00:03, 10-Aug-2018
24, 20.09, 32.6, 38, 736, 00 , 14:15:03, 10-Aug-2018
25, 71.07, 32.6, 38, 736, 00 , 14:30:03, 10-Aug-2018
26, 23.47, 32.2, 39, 736, 00 , 14:45:03, 10-Aug-2018
27, 36.96, 32.1, 38, 736, 02 , 15:00:03, 10-Aug-2018
28, 50.64, 32.0, 38, 736, 00 , 15:15:03, 10-Aug-2018
29, 51.67, 32.5, 37, 736, 00 , 15:30:03, 10-Aug-2018
30, 30.03, 33.0, 35, 736, 00 , 15:45:03, 10-Aug-2018
31, 45.80, 32.7, 35, 736, 00 , 16:00:03, 10-Aug-2018
32, 13.62, 32.7, 36, 736, 00 , 16:15:03, 10-Aug-2018
33, 10.57, 32.8, 36, 736, 00 , 16:30:03, 10-Aug-2018
34, 12.11, 32.7, 37, 736, 00 , 16:45:03, 10-Aug-2018

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"Max STEL @ ", 11:18:03 10-Aug-2018
"Avg point ", 28.120275
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 25.12, 19.4, 58, 738, 01 , 08:30:03, 10-Aug-2018
2, 23.62, 19.5, 62, 738, 00 , 08:45:03, 10-Aug-2018
3, 23.41, 19.9, 63, 738, 00 , 09:00:03, 10-Aug-2018
4, 23.28, 20.6, 63, 738, 00 , 09:15:03, 10-Aug-2018
5, 28.16, 21.3, 60, 738, 00 , 09:30:03, 10-Aug-2018
6, 26.06, 22.0, 59, 738, 00 , 09:45:03, 10-Aug-2018
7, 27.94, 22.7, 55, 738, 00 , 10:00:03, 10-Aug-2018
8, 29.11, 23.4, 54, 738, 00 , 10:15:03, 10-Aug-2018
9, 29.50, 24.2, 53, 738, 00 , 10:30:03, 10-Aug-2018
10, 33.15, 25.2, 50, 738, 00 , 10:45:03, 10-Aug-2018
11, 33.86, 25.8, 49, 738, 00 , 11:00:03, 10-Aug-2018
12, 34.38, 26.2, 48, 738, 00 , 11:15:03, 10-Aug-2018
13, 33.48, 27.0, 46, 738, 00 , 11:30:03, 10-Aug-2018
14, 32.40, 27.3, 45, 738, 00 , 11:45:03, 10-Aug-2018
15, 31.89, 27.5, 45, 738, 00 , 12:00:03, 10-Aug-2018
16, 30.46, 28.1, 42, 738, 00 , 12:15:03, 10-Aug-2018
17, 30.88, 28.7, 41, 738, 00 , 12:30:03, 10-Aug-2018
18, 31.11, 28.8, 40, 738, 00 , 12:45:03, 10-Aug-2018
19, 30.67, 29.2, 39, 738, 00 , 13:00:03, 10-Aug-2018
20, 30.96, 30.1, 38, 738, 00 , 13:15:03, 10-Aug-2018
21, 31.42, 30.9, 33, 738, 00 , 13:30:03, 10-Aug-2018
22, 27.63, 31.2, 36, 738, 00 , 13:45:03, 10-Aug-2018
23, 26.76, 32.0, 33, 738, 00 , 14:00:03, 10-Aug-2018
24, 26.12, 32.6, 31, 738, 00 , 14:15:03, 10-Aug-2018
25, 25.43, 33.5, 30, 738, 00 , 14:30:03, 10-Aug-2018
26, 25.46, 34.2, 28, 738, 00 , 14:45:03, 10-Aug-2018
27, 25.56, 35.2, 25, 738, 00 , 15:00:03, 10-Aug-2018
28, 24.76, 36.0, 24, 738, 00 , 15:15:03, 10-Aug-2018
29, 25.77, 37.4, 21, 738, 00 , 15:30:03, 10-Aug-2018
30, 25.70, 38.5, 18, 738, 00 , 15:45:03, 10-Aug-2018
31, 25.30, 39.3, 17, 738, 00 , 16:00:03, 10-Aug-2018
32, 26.07, 40.0, 16, 738, 00 , 16:15:03, 10-Aug-2018
33, 25.03, 40.8, 15, 738, 00 , 16:30:03, 10-Aug-2018
34, 25.65, 41.5, 14, 738, 00 , 16:45:03, 10-Aug-2018

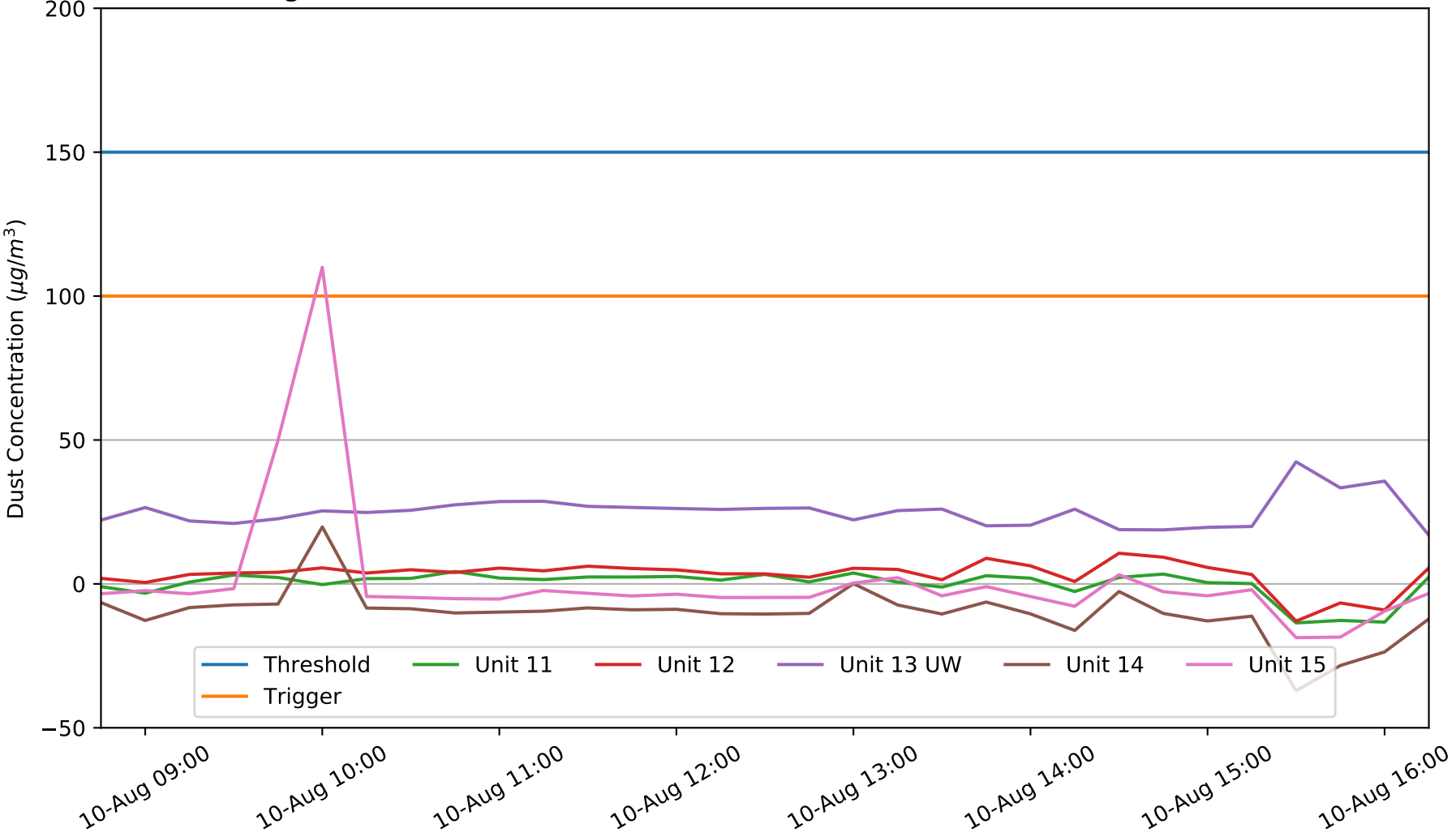
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"Max STEL @ ", 11:15:23 10-Aug-2018
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2, 18.23, 25.0, 62, 738, 00 , 08:45:03, 10-Aug-2018
3, 19.41, 26.8, 55, 736, 00 , 09:00:03, 10-Aug-2018
4, 19.60, 26.7, 55, 738, 00 , 09:15:03, 10-Aug-2018
5, 20.32, 26.2, 58, 738, 00 , 09:30:03, 10-Aug-2018
6, 19.94, 27.5, 55, 736, 00 , 09:45:03, 10-Aug-2018
7, 21.61, 29.8, 49, 736, 00 , 10:00:03, 10-Aug-2018
8, 23.41, 31.3, 45, 736, 00 , 10:15:03, 10-Aug-2018
9, 23.58, 31.4, 45, 736, 00 , 10:30:03, 10-Aug-2018
10, 24.65, 32.8, 41, 736, 00 , 10:45:03, 10-Aug-2018
11, 25.51, 32.6, 41, 736, 00 , 11:00:03, 10-Aug-2018
12, 26.51, 32.3, 43, 736, 00 , 11:15:03, 10-Aug-2018
13, 24.79, 32.8, 41, 738, 00 , 11:30:03, 10-Aug-2018
14, 24.44, 32.6, 42, 738, 00 , 11:45:03, 10-Aug-2018
15, 24.44, 32.1, 43, 738, 00 , 12:00:03, 10-Aug-2018
16, 22.61, 32.6, 42, 736, 00 , 12:15:03, 10-Aug-2018
17, 23.51, 33.0, 42, 738, 00 , 12:30:03, 10-Aug-2018
18, 23.07, 33.1, 41, 738, 00 , 12:45:03, 10-Aug-2018
19, 22.26, 33.8, 39, 736, 00 , 13:00:03, 10-Aug-2018
20, 21.95, 34.6, 37, 736, 00 , 13:15:03, 10-Aug-2018
21, 21.22, 36.0, 33, 736, 00 , 13:30:03, 10-Aug-2018
22, 19.86, 35.5, 34, 736, 00 , 13:45:03, 10-Aug-2018
23, 18.61, 35.4, 34, 736, 00 , 14:00:03, 10-Aug-2018
24, 18.24, 35.6, 32, 736, 00 , 14:15:03, 10-Aug-2018
25, 17.57, 36.0, 32, 736, 00 , 14:30:03, 10-Aug-2018
26, 17.32, 35.5, 33, 736, 00 , 14:45:03, 10-Aug-2018
27, 17.11, 36.1, 31, 736, 00 , 15:00:03, 10-Aug-2018
28, 16.42, 36.3, 31, 736, 00 , 15:15:03, 10-Aug-2018
29, 16.91, 37.1, 29, 736, 00 , 15:30:03, 10-Aug-2018
30, 16.50, 36.9, 28, 736, 00 , 15:45:03, 10-Aug-2018
31, 16.28, 36.1, 29, 736, 00 , 16:00:03, 10-Aug-2018
32, 15.89, 34.5, 33, 736, 00 , 16:15:03, 10-Aug-2018
33, 15.24, 33.9, 34, 736, 00 , 16:30:03, 10-Aug-2018
34, 15.20, 34.1, 35, 736, 00 , 16:45:03, 10-Aug-2018

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"RH CORRECT ", "ENABLED "
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"Max STEL @ ", 11:55:43 10-Aug-2018
"Avg point ", 25.105212
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
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    3,   28.68, 27.5,   55,   738, 00 , 09:00:03, 10-Aug-2018
    4,   23.39, 27.4,   56,   738, 00 , 09:15:03, 10-Aug-2018
    5,   25.92, 27.8,   56,   738, 00 , 09:30:03, 10-Aug-2018
    6,   25.00, 29.4,   51,   738, 00 , 09:45:03, 10-Aug-2018
    7,   29.30, 30.6,   48,   738, 00 , 10:00:03, 10-Aug-2018
    8,   28.79, 31.3,   47,   738, 00 , 10:15:03, 10-Aug-2018
    9,   28.17, 31.5,   47,   738, 00 , 10:30:03, 10-Aug-2018
   10,   26.27, 33.4,   42,   738, 00 , 10:45:03, 10-Aug-2018
   11,   29.04, 33.2,   42,   738, 00 , 11:00:03, 10-Aug-2018
   12,   34.85, 32.6,   44,   738, 00 , 11:15:03, 10-Aug-2018
   13,   32.15, 33.2,   43,   738, 00 , 11:30:03, 10-Aug-2018
   14,   41.24, 33.0,   43,   738, 00 , 11:45:03, 10-Aug-2018
   15,   36.25, 33.2,   43,   738, 00 , 12:00:03, 10-Aug-2018
   16,   23.40, 34.0,   41,   738, 00 , 12:15:03, 10-Aug-2018
   17,   23.56, 34.5,   40,   738, 00 , 12:30:03, 10-Aug-2018
   18,   24.45, 34.2,   40,   738, 00 , 12:45:03, 10-Aug-2018
   19,   26.25, 34.2,   39,   738, 00 , 13:00:03, 10-Aug-2018
   20,   28.17, 35.1,   38,   738, 00 , 13:15:03, 10-Aug-2018
   21,   21.74, 36.0,   35,   738, 00 , 13:30:03, 10-Aug-2018
   22,   25.09, 35.9,   36,   738, 00 , 13:45:03, 10-Aug-2018
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   24,   21.72, 36.4,   33,   738, 00 , 14:15:03, 10-Aug-2018
   25,   35.55, 37.3,   33,   738, 00 , 14:30:03, 10-Aug-2018
   26,   25.32, 37.8,   31,   738, 00 , 14:45:03, 10-Aug-2018
   27,   22.75, 38.2,   30,   736, 00 , 15:00:03, 10-Aug-2018
   28,   20.95, 38.4,   30,   736, 00 , 15:15:03, 10-Aug-2018
   29,   17.92, 38.9,   29,   736, 00 , 15:30:03, 10-Aug-2018
   30,   15.53, 39.1,   28,   736, 00 , 15:45:03, 10-Aug-2018
   31,   14.35, 39.2,   27,   736, 00 , 16:00:03, 10-Aug-2018
   32,   16.10, 38.8,   27,   736, 00 , 16:15:03, 10-Aug-2018
   33,   14.24, 38.9,   28,   736, 00 , 16:30:03, 10-Aug-2018
   34,   13.96, 38.9,   29,   736, 00 , 16:45:03, 10-Aug-2018

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"RH CORRECT ", "ENABLED "
"Max Disp ", 54.074087
"Max Disp @ ", 14:58:17 10-Aug-2018
"Max STEL ", 28.867533
"Max STEL @ ", 11:13:03 10-Aug-2018
"Avg point ", 19.997974
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
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2, 18.88, 13.6, 65, 738, 00 , 08:45:03, 10-Aug-2018
3, 19.55, 14.5, 63, 738, 00 , 09:00:03, 10-Aug-2018
4, 20.86, 15.3, 60, 738, 00 , 09:15:03, 10-Aug-2018
5, 24.26, 16.0, 58, 738, 00 , 09:30:03, 10-Aug-2018
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7, 23.22, 19.9, 48, 738, 00 , 10:00:03, 10-Aug-2018
8, 23.42, 21.2, 45, 738, 00 , 10:15:03, 10-Aug-2018
9, 24.54, 21.6, 45, 738, 00 , 10:30:03, 10-Aug-2018
10, 24.89, 23.9, 39, 738, 00 , 10:45:03, 10-Aug-2018
11, 26.06, 23.8, 39, 738, 00 , 11:00:03, 10-Aug-2018
12, 28.77, 23.5, 40, 738, 00 , 11:15:03, 10-Aug-2018
13, 25.91, 24.6, 38, 738, 00 , 11:30:03, 10-Aug-2018
14, 26.59, 24.3, 39, 738, 00 , 11:45:03, 10-Aug-2018
15, 25.03, 24.4, 39, 738, 00 , 12:00:03, 10-Aug-2018
16, 19.54, 25.6, 36, 738, 00 , 12:15:03, 10-Aug-2018
17, 22.50, 26.6, 34, 738, 00 , 12:30:03, 10-Aug-2018
18, 22.96, 26.2, 34, 738, 00 , 12:45:03, 10-Aug-2018
19, 21.58, 27.1, 32, 738, 00 , 13:00:03, 10-Aug-2018
20, 19.37, 29.5, 29, 738, 00 , 13:15:03, 10-Aug-2018
21, 19.43, 31.9, 25, 738, 00 , 13:30:03, 10-Aug-2018
22, 17.04, 31.8, 25, 738, 00 , 13:45:03, 10-Aug-2018
23, 16.72, 31.1, 26, 738, 00 , 14:00:03, 10-Aug-2018
24, 17.53, 30.6, 25, 738, 00 , 14:15:03, 10-Aug-2018
25, 18.34, 31.6, 25, 738, 00 , 14:30:03, 10-Aug-2018
26, 16.71, 32.1, 24, 738, 00 , 14:45:03, 10-Aug-2018
27, 18.73, 32.8, 23, 738, 00 , 15:00:03, 10-Aug-2018
28, 15.31, 30.8, 25, 738, 00 , 15:15:03, 10-Aug-2018
29, 15.86, 29.1, 27, 738, 00 , 15:30:03, 10-Aug-2018
30, 14.62, 27.8, 28, 738, 00 , 15:45:03, 10-Aug-2018
31, 12.93, 26.9, 28, 738, 00 , 16:00:03, 10-Aug-2018
32, 12.77, 26.2, 30, 738, 00 , 16:15:03, 10-Aug-2018
33, 11.86, 25.7, 32, 738, 00 , 16:30:03, 10-Aug-2018
34, 12.07, 25.2, 34, 738, 00 , 16:45:03, 10-Aug-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 10-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 10-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 15	Unit 14	Unit 12	Unit 13 UW	Unit 11	Threshold	Trigger
2018-08-10 08:45:00	-3.42	-6.48	1.91	22.17	-0.95	150	100
2018-08-10 09:00:00	-2.33	-12.71	0.48	26.53	-3.22	150	100
2018-08-10 09:15:00	-3.45	-8.23	3.29	21.88	0.62	150	100
2018-08-10 09:30:00	-1.64	-7.29	3.78	20.99	3.08	150	100
2018-08-10 09:45:00	49.87	-7	4.03	22.64	2.22	150	100
2018-08-10 10:00:00	109.99	19.8	5.57	25.37	-0.25	150	100
2018-08-10 10:15:00	-4.37	-8.39	3.78	24.81	1.82	150	100
2018-08-10 10:30:00	-4.71	-8.64	4.91	25.57	1.91	150	100
2018-08-10 10:45:00	-5.14	-10.1	3.98	27.48	4.3	150	100
2018-08-10 11:00:00	-5.26	-9.8	5.49	28.61	2.03	150	100
2018-08-10 11:15:00	-2.3	-9.48	4.53	28.71	1.5	150	100
2018-08-10 11:30:00	-3.28	-8.35	6.15	26.94	2.4	150	100
2018-08-10 11:45:00	-4.19	-9	5.35	26.56	2.38	150	100
2018-08-10 12:00:00	-3.58	-8.83	4.87	26.2	2.59	150	100
2018-08-10 12:15:00	-4.74	-10.36	3.5	25.86	1.31	150	100
2018-08-10 12:30:00	-4.71	-10.48	3.48	26.23	3.29	150	100
2018-08-10 12:45:00	-4.68	-10.25	2.31	26.38	0.69	150	100
2018-08-10 13:00:00	0.3	0.09	5.44	22.24	3.79	150	100
2018-08-10 13:15:00	2.17	-7.34	5.02	25.46	0.61	150	100
2018-08-10 13:30:00	-4.16	-10.46	1.42	25.99	-1.1	150	100
2018-08-10 13:45:00	-0.94	-6.31	8.89	20.19	2.83	150	100
2018-08-10 14:00:00	-4.37	-10.42	6.27	20.39	1.99	150	100
2018-08-10 14:15:00	-7.77	-16.17	0.83	25.97	-2.64	150	100
2018-08-10 14:30:00	3.2	-2.65	10.65	18.85	2.24	150	100
2018-08-10 14:45:00	-2.72	-10.26	9.28	18.77	3.41	150	100
2018-08-10 15:00:00	-4.14	-12.88	5.71	19.65	0.43	150	100
2018-08-10 15:15:00	-2.04	-11.21	3.27	19.96	0.1	150	100
2018-08-10 15:30:00	-18.68	-37.13	-12.94	42.42	-13.55	150	100
2018-08-10 15:45:00	-18.49	-28.36	-6.61	33.36	-12.7	150	100
2018-08-10 16:00:00	-9.47	-23.64	-9.07	35.71	-13.28	150	100
2018-08-10 16:15:00	-3.32	-12.17	5.53	16.91	2.36	150	100

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"Serial no. ", "0115249059"
"Tag Number ", 35
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"Start Date ", 10-Aug-2018
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"Number   ", 31
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"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 1304.374695
"Max Disp @ ", 09:54:01 10-Aug-2018
"Max STEL   ", 136.112905
"Max STEL @ ", 10:04:13 10-Aug-2018
"Avg point ", 26.143479
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 18.75, 21.1, 62, 738, 01 , 08:45:03, 10-Aug-2018
2, 24.20, 22.1, 61, 738, 00 , 09:00:03, 10-Aug-2018
3, 18.43, 22.3, 61, 738, 00 , 09:15:03, 10-Aug-2018
4, 19.35, 22.9, 61, 738, 00 , 09:30:03, 10-Aug-2018
5, 72.51, 24.3, 57, 738, 00 , 09:45:03, 10-Aug-2018
6, 135.36, 25.4, 54, 738, 00 , 10:00:03, 10-Aug-2018
7, 20.44, 26.2, 53, 738, 00 , 10:15:03, 10-Aug-2018
8, 20.86, 26.5, 51, 738, 00 , 10:30:03, 10-Aug-2018
9, 22.34, 27.6, 49, 738, 00 , 10:45:03, 10-Aug-2018
10, 23.35, 27.9, 47, 738, 00 , 11:00:03, 10-Aug-2018
11, 26.41, 27.8, 49, 738, 00 , 11:15:03, 10-Aug-2018
12, 23.66, 28.2, 47, 738, 00 , 11:30:03, 10-Aug-2018
13, 22.37, 28.1, 47, 738, 00 , 11:45:03, 10-Aug-2018
14, 22.62, 27.9, 48, 738, 00 , 12:00:03, 10-Aug-2018
15, 21.12, 27.8, 47, 738, 00 , 12:15:03, 10-Aug-2018
16, 21.52, 27.4, 48, 738, 00 , 12:30:03, 10-Aug-2018
17, 21.70, 27.1, 49, 738, 00 , 12:45:03, 10-Aug-2018
18, 22.54, 27.4, 49, 738, 00 , 13:00:03, 10-Aug-2018
19, 27.63, 28.5, 46, 738, 00 , 13:15:03, 10-Aug-2018
20, 21.83, 29.7, 43, 738, 00 , 13:30:03, 10-Aug-2018
21, 19.25, 30.5, 39, 738, 00 , 13:45:03, 10-Aug-2018
22, 16.02, 31.3, 38, 738, 00 , 14:00:03, 10-Aug-2018
23, 18.20, 32.2, 35, 738, 00 , 14:15:03, 10-Aug-2018
24, 22.05, 32.9, 33, 738, 00 , 14:30:03, 10-Aug-2018
25, 16.05, 34.0, 31, 738, 00 , 14:45:03, 10-Aug-2018
26, 15.51, 34.9, 29, 738, 00 , 15:00:03, 10-Aug-2018
27, 17.92, 35.4, 27, 738, 00 , 15:15:03, 10-Aug-2018
28, 23.74, 36.1, 26, 738, 00 , 15:30:03, 10-Aug-2018
29, 14.87, 36.4, 25, 738, 00 , 15:45:03, 10-Aug-2018
30, 26.24, 36.4, 23, 738, 00 , 16:00:03, 10-Aug-2018
31, 13.59, 36.6, 24, 738, 00 , 16:15:03, 10-Aug-2018

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"Serial no. ", "0115249190"
"Tag Number ", 32
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"Number   ", 31
"CalFactor   ", 1.000000
"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 428.224277
"Max Disp @ ", 09:52:14 10-Aug-2018
"Max STEL   ", 46.037602
"Max STEL @ ", 09:54:13 10-Aug-2018
"Avg point ", 14.977579
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 15.69, 19.5, 65, 738, 01 , 08:45:03, 10-Aug-2018
2, 13.82, 20.0, 66, 738, 00 , 09:00:03, 10-Aug-2018
3, 13.65, 20.5, 65, 738, 00 , 09:15:03, 10-Aug-2018
4, 13.70, 21.2, 64, 738, 00 , 09:30:03, 10-Aug-2018
5, 15.64, 21.8, 62, 738, 00 , 09:45:03, 10-Aug-2018
6, 45.17, 22.7, 60, 738, 00 , 10:00:03, 10-Aug-2018
7, 16.42, 23.4, 59, 738, 00 , 10:15:03, 10-Aug-2018
8, 16.93, 24.1, 56, 738, 00 , 10:30:03, 10-Aug-2018
9, 17.38, 24.9, 54, 738, 00 , 10:45:03, 10-Aug-2018
10, 18.81, 25.5, 53, 738, 00 , 11:00:03, 10-Aug-2018
11, 19.23, 25.9, 51, 738, 00 , 11:15:03, 10-Aug-2018
12, 18.59, 26.6, 50, 738, 00 , 11:30:03, 10-Aug-2018
13, 17.56, 27.0, 49, 738, 00 , 11:45:03, 10-Aug-2018
14, 17.37, 27.4, 48, 738, 00 , 12:00:03, 10-Aug-2018
15, 15.50, 27.4, 46, 738, 00 , 12:15:03, 10-Aug-2018
16, 15.75, 27.1, 46, 738, 00 , 12:30:03, 10-Aug-2018
17, 16.13, 26.7, 47, 738, 00 , 12:45:03, 10-Aug-2018
18, 22.33, 26.9, 48, 738, 00 , 13:00:03, 10-Aug-2018
19, 18.12, 27.7, 46, 738, 00 , 13:15:03, 10-Aug-2018
20, 15.53, 28.3, 43, 738, 00 , 13:30:03, 10-Aug-2018
21, 13.88, 28.8, 43, 738, 00 , 13:45:03, 10-Aug-2018
22, 9.97, 30.0, 38, 738, 00 , 14:00:03, 10-Aug-2018
23, 9.80, 31.1, 36, 738, 00 , 14:15:03, 10-Aug-2018
24, 16.20, 32.0, 34, 738, 00 , 14:30:03, 10-Aug-2018
25, 8.51, 33.4, 31, 738, 00 , 14:45:03, 10-Aug-2018
26, 6.77, 34.5, 28, 738, 00 , 15:00:03, 10-Aug-2018
27, 8.75, 35.5, 26, 738, 00 , 15:15:03, 10-Aug-2018
28, 5.29, 36.7, 23, 738, 00 , 15:30:03, 10-Aug-2018
29, 5.00, 37.6, 21, 738, 00 , 15:45:03, 10-Aug-2018
30, 12.07, 38.1, 19, 738, 00 , 16:00:03, 10-Aug-2018
31, 4.74, 38.7, 20, 738, 00 , 16:15:03, 10-Aug-2018

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"Serial no. ", "CM15111014"
"Tag Number ", 49
"Start Time ", 08:30:03
"Start Date ", 10-Aug-2018
"Log Period ", 00:15:00
"Number   ", 31
"CalFactor   ", 1.000000
"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 64.157014
"Max Disp @ ", 14:16:01 10-Aug-2018
"Max STEL   ", 34.782567
"Max STEL @ ", 10:58:23 10-Aug-2018
"Avg point ", 28.383846
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 24.08, 23.0, 59, 738, 00 , 08:45:03, 10-Aug-2018
2, 27.01, 24.5, 54, 738, 00 , 09:00:03, 10-Aug-2018
3, 25.17, 24.1, 56, 738, 00 , 09:15:03, 10-Aug-2018
4, 24.77, 24.2, 57, 738, 00 , 09:30:03, 10-Aug-2018
5, 26.67, 25.7, 53, 738, 00 , 09:45:03, 10-Aug-2018
6, 30.94, 26.7, 51, 738, 00 , 10:00:03, 10-Aug-2018
7, 28.59, 28.4, 48, 738, 00 , 10:15:03, 10-Aug-2018
8, 30.48, 28.0, 48, 738, 00 , 10:30:03, 10-Aug-2018
9, 31.46, 28.7, 47, 738, 00 , 10:45:03, 10-Aug-2018
10, 34.10, 28.2, 48, 738, 00 , 11:00:03, 10-Aug-2018
11, 33.24, 27.5, 50, 738, 00 , 11:15:03, 10-Aug-2018
12, 33.09, 27.9, 49, 738, 00 , 11:30:03, 10-Aug-2018
13, 31.91, 27.3, 52, 738, 00 , 11:45:03, 10-Aug-2018
14, 31.07, 27.0, 52, 738, 00 , 12:00:03, 10-Aug-2018
15, 29.36, 27.1, 52, 738, 00 , 12:15:03, 10-Aug-2018
16, 29.71, 27.8, 51, 738, 00 , 12:30:03, 10-Aug-2018
17, 28.69, 28.9, 47, 738, 00 , 12:45:03, 10-Aug-2018
18, 27.68, 29.6, 46, 738, 00 , 13:00:03, 10-Aug-2018
19, 30.48, 29.9, 44, 738, 00 , 13:15:03, 10-Aug-2018
20, 27.41, 30.0, 44, 738, 00 , 13:30:03, 10-Aug-2018
21, 29.08, 30.5, 42, 738, 00 , 13:45:03, 10-Aug-2018
22, 26.66, 29.7, 42, 738, 00 , 14:00:03, 10-Aug-2018
23, 26.80, 29.4, 42, 738, 00 , 14:15:03, 10-Aug-2018
24, 29.50, 29.6, 43, 738, 00 , 14:30:03, 10-Aug-2018
25, 28.05, 29.8, 42, 738, 00 , 14:45:03, 10-Aug-2018
26, 25.36, 29.5, 42, 738, 00 , 15:00:03, 10-Aug-2018
27, 23.23, 28.8, 42, 738, 00 , 15:15:03, 10-Aug-2018
28, 29.48, 28.4, 43, 738, 00 , 15:30:03, 10-Aug-2018
29, 26.75, 27.9, 43, 738, 00 , 15:45:03, 10-Aug-2018
30, 26.64, 27.6, 43, 738, 00 , 16:00:03, 10-Aug-2018
31, 22.44, 27.6, 44, 738, 00 , 16:15:03, 10-Aug-2018

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"Serial no. ", "0115248912"
"Tag Number ", 22
"Start Time ", 08:30:03
"Start Date ", 10-Aug-2018
"Log Period ", 00:15:00
"Number ", 31
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 294.971828
"Max Disp @ ", 15:18:18 10-Aug-2018
"Max STEL ", 49.052753
"Max STEL @ ", 15:54:13 10-Aug-2018
"Avg point ", 25.123041
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 22.17, 23.2, 58, 736, 01 , 08:45:03, 10-Aug-2018
2, 26.53, 24.6, 61, 736, 00 , 09:00:03, 10-Aug-2018
3, 21.88, 25.4, 59, 736, 00 , 09:15:03, 10-Aug-2018
4, 20.99, 26.0, 59, 736, 00 , 09:30:03, 10-Aug-2018
5, 22.64, 26.9, 58, 736, 00 , 09:45:03, 10-Aug-2018
6, 25.37, 27.8, 57, 736, 00 , 10:00:03, 10-Aug-2018
7, 24.81, 28.9, 54, 736, 00 , 10:15:03, 10-Aug-2018
8, 25.57, 28.9, 51, 736, 00 , 10:30:03, 10-Aug-2018
9, 27.48, 29.9, 50, 736, 00 , 10:45:03, 10-Aug-2018
10, 28.61, 31.0, 47, 736, 00 , 11:00:03, 10-Aug-2018
11, 28.71, 31.4, 47, 736, 00 , 11:15:03, 10-Aug-2018
12, 26.94, 32.3, 46, 736, 00 , 11:30:03, 10-Aug-2018
13, 26.56, 32.4, 45, 736, 00 , 11:45:03, 10-Aug-2018
14, 26.20, 32.5, 45, 736, 00 , 12:00:03, 10-Aug-2018
15, 25.86, 32.9, 44, 736, 00 , 12:15:03, 10-Aug-2018
16, 26.23, 33.4, 43, 736, 00 , 12:30:03, 10-Aug-2018
17, 26.38, 33.9, 42, 736, 00 , 12:45:03, 10-Aug-2018
18, 22.24, 35.0, 42, 736, 00 , 13:00:03, 10-Aug-2018
19, 25.46, 36.2, 40, 736, 00 , 13:15:03, 10-Aug-2018
20, 25.99, 36.9, 38, 736, 00 , 13:30:03, 10-Aug-2018
21, 20.19, 37.3, 37, 736, 00 , 13:45:03, 10-Aug-2018
22, 20.39, 36.8, 36, 736, 00 , 14:00:03, 10-Aug-2018
23, 25.97, 36.6, 36, 736, 00 , 14:15:03, 10-Aug-2018
24, 18.85, 36.6, 36, 736, 00 , 14:30:03, 10-Aug-2018
25, 18.77, 36.9, 36, 736, 00 , 14:45:03, 10-Aug-2018
26, 19.65, 36.8, 36, 736, 00 , 15:00:03, 10-Aug-2018
27, 19.96, 36.1, 36, 736, 00 , 15:15:03, 10-Aug-2018
28, 42.42, 35.7, 37, 736, 00 , 15:30:03, 10-Aug-2018
29, 33.36, 35.5, 36, 736, 00 , 15:45:03, 10-Aug-2018
30, 35.71, 35.1, 35, 736, 00 , 16:00:03, 10-Aug-2018
31, 16.91, 34.8, 37, 736, 00 , 16:15:03, 10-Aug-2018

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"Start Date ", 10-Aug-2018
"Log Period ", 00:15:00
"Number ", 31
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"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 109.083689
"Max Disp @ ", 15:18:16 10-Aug-2018
"Max STEL ", 34.048545
"Max STEL @ ", 10:52:43 10-Aug-2018
"Avg point ", 25.128870
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 21.22, 24.4, 58, 738, 00 , 08:45:03, 10-Aug-2018
2, 23.31, 26.0, 54, 738, 00 , 09:00:03, 10-Aug-2018
3, 22.50, 25.7, 55, 738, 00 , 09:15:03, 10-Aug-2018
4, 24.07, 25.7, 56, 738, 00 , 09:30:03, 10-Aug-2018
5, 24.86, 27.2, 53, 738, 00 , 09:45:03, 10-Aug-2018
6, 25.12, 28.1, 49, 738, 00 , 10:00:03, 10-Aug-2018
7, 26.63, 29.0, 48, 738, 00 , 10:15:03, 10-Aug-2018
8, 27.48, 28.8, 47, 738, 00 , 10:30:03, 10-Aug-2018
9, 31.78, 30.0, 46, 738, 00 , 10:45:03, 10-Aug-2018
10, 30.64, 29.9, 46, 738, 00 , 11:00:03, 10-Aug-2018
11, 30.21, 29.3, 47, 738, 00 , 11:15:03, 10-Aug-2018
12, 29.34, 29.8, 46, 738, 00 , 11:30:03, 10-Aug-2018
13, 28.94, 29.6, 47, 738, 00 , 11:45:03, 10-Aug-2018
14, 28.79, 29.6, 47, 738, 00 , 12:00:03, 10-Aug-2018
15, 27.17, 29.8, 46, 738, 00 , 12:15:03, 10-Aug-2018
16, 29.52, 30.3, 46, 738, 00 , 12:30:03, 10-Aug-2018
17, 27.07, 30.3, 46, 738, 00 , 12:45:03, 10-Aug-2018
18, 26.03, 30.7, 45, 738, 00 , 13:00:03, 10-Aug-2018
19, 26.07, 31.3, 42, 738, 00 , 13:15:03, 10-Aug-2018
20, 24.89, 31.3, 42, 738, 00 , 13:30:03, 10-Aug-2018
21, 23.02, 31.6, 41, 738, 00 , 13:45:03, 10-Aug-2018
22, 22.38, 31.4, 40, 736, 00 , 14:00:03, 10-Aug-2018
23, 23.33, 31.6, 39, 736, 00 , 14:15:03, 10-Aug-2018
24, 21.09, 32.2, 39, 736, 00 , 14:30:03, 10-Aug-2018
25, 22.18, 33.0, 36, 736, 00 , 14:45:03, 10-Aug-2018
26, 20.08, 33.1, 36, 736, 00 , 15:00:03, 10-Aug-2018
27, 20.06, 33.0, 35, 736, 00 , 15:15:03, 10-Aug-2018
28, 28.87, 33.3, 35, 736, 00 , 15:30:03, 10-Aug-2018
29, 20.66, 33.1, 34, 736, 00 , 15:45:03, 10-Aug-2018
30, 22.43, 33.1, 33, 736, 00 , 16:00:03, 10-Aug-2018
31, 19.27, 33.3, 34, 736, 00 , 16:15:03, 10-Aug-2018

DAILY OBSERVATION REPORT

Report No.:	63	Project File:	MN0832D	Date:	08/11/2018

Geosyntec consultants

engineers | scientists | innovators

Beech and Bonaparte engineering p.c.

an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Jim Burnett

Site Representative: Cody Saville

Arrive at Site: 0715hrs. Leave Site: 1730 hrs.

Contractor: Recon

Health & Safety: Cody Saville

Weather and Site Conditions

General Description:	Heavy Rain	am	Partly Cloudy	Pm
Temperature:	60° F	am	79° F	Pm
Wind Direction:	2 SSW	am	7 NNE	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☐	N/A ☒
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 63 Project File: MN0832D Date: 08/11/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 369

Weight: 20 tons/each Total Weight to date: ~8610 Tons

Non Haz Soil Removal:

Total Loads today: 0 Total Loads to date: 173

Weight: 20-33 tons/each Total Weight to date: ~4379 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: Tons Total Weight to date: 175 Tons

Imported Common Fill:

Total Loads today: 3 Total Loads to date: ~1137

Weight: ~21 Tons/each Total Weight to date: ~9005 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	63	Project File:	MN0832D	Date:	08/11/2018

Summary of Events

AM

- Geosyntec arrived on site at 0715. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed buddy system procedures and importance of on-site communication.
- No dust monitors deployed due to rain.
- Recon assisted Edger in pipe repair of water main and sewer.

PM

- Recon pumped water from excavation area in RPL into tanker truck. Tanker truck transported water to MSA and emptied contents into frac tanks there.
- Tanker truck was filled, transported, and emptied twice.
- Oversaw hookup of new generator.
- Geosyntec shut down and left site around 1730.

Report No.: 63 Project File: MN0832D Date: 08/11/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Patrick Carr
- Brien Kilkenny
- Bryan Balog
- Addison Hofferth
- Scott Earley
- (Recon labor) X16

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- CAT 725 Haul truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
	DeMuth Electric	No
	Edger Plumbing	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: 8/24/18

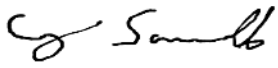
ITEMS OF CONCERN:

Fan belt of generator failed. New generator was on-site and working within an hour.

Report No.:	63	Project File:	MN0832D	Date:	08/11/2018

Site Representative: Cody Saville

Name (Signature):



Report No.:	63	Project File:	MN0832D	Date:	08/11/2018

Photo Log
Date : 08/11/2018

	
Morning view of the RPL.	Edger performing pipe repair.
	
Replacement of Generator.	Pumping RPL excavation area.

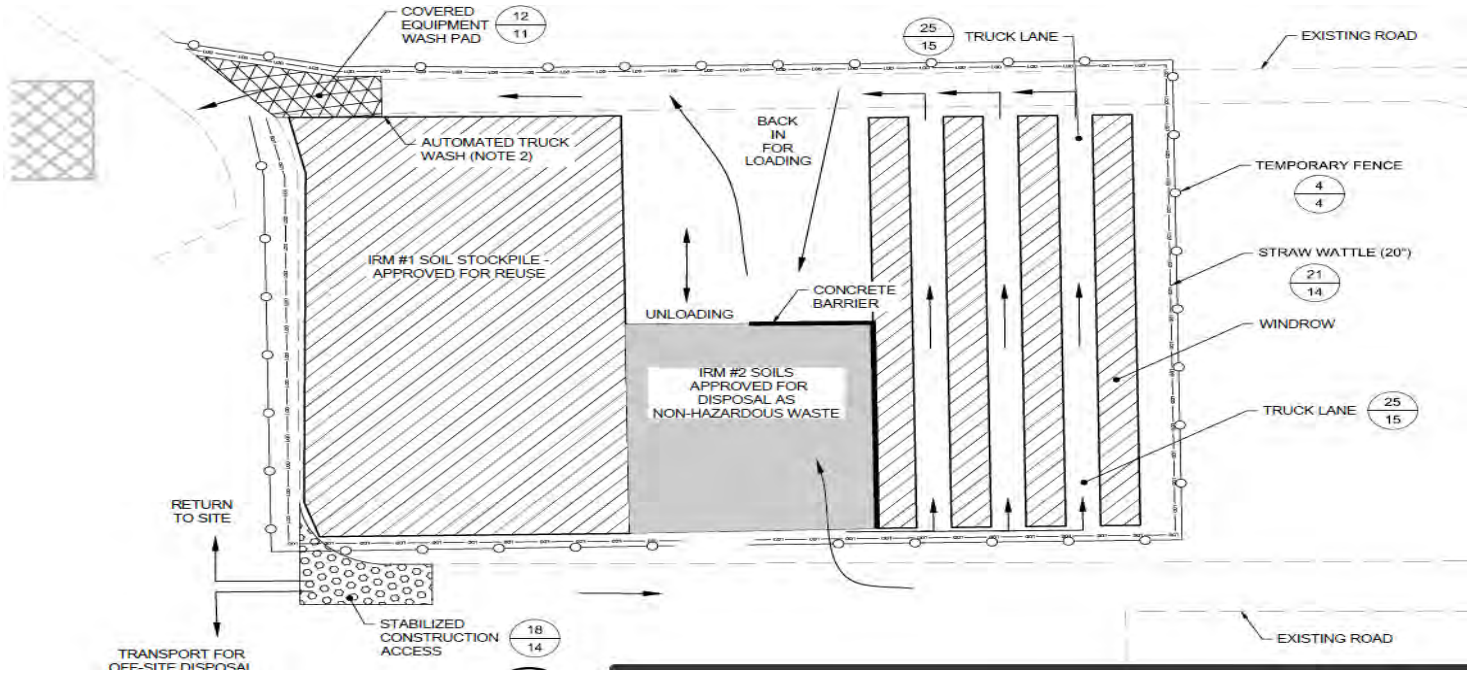
Report No.:	63	Project File:	MN0832D	Date:	08/11/2018

Site Map

Rear Parking Lot



MSA



DAILY OBSERVATION REPORT

Report No.:	64	Project File:	MN0832D	Date:	08/12/2018

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Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Jim Burnett

Site Representative: Cody Saville

Arrive at Site: 0715hrs. Leave Site: 1545 hrs.

Contractor: Recon

Health & Safety: Cody Saville

Weather and Site Conditions

General Description:	Overcast	am	Partly Cloudy	Pm
Temperature:	60° F	am	79° F	Pm
Wind Direction:	Calm	am	2 SE	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☐	N/A ☒
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 64 Project File: MN0832D Date: 08/12/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 369

Weight: 20 tons/each Total Weight to date: ~8610 Tons

Non Haz Soil Removal:

Total Loads today: 0 Total Loads to date: 173

Weight: 20-33 tons/each Total Weight to date: ~4379 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: Tons Total Weight to date: 175 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1137

Weight: ~21 Tons/each Total Weight to date: ~9005 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

DAILY OBSERVATION REPORT

Report No.:	64	Project File:	MN0832D	Date:	08/12/2018

Summary of Events

AM

- Geosyntec arrived on site at 0715. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed PPE and glove use while on-site
- No dust monitors deployed due to expectation of rain.
- Recon assisted Just Kingsley Corp. with pumping from excavation area. Water was transported to MSA and emptied into frac tank.
- Recon moved new generator behind office trailers.

PM

- Recon assisted DeMuth Electric with repair of the new generator.
- Recon covered portion of excavation area with geotextile fabric in preparation of backfill.
- Continue pumping, transporting, and emptying water into frac tanks at MSA.
- Tanker truck was filled and emptied three times with a partial load to end the day.
- Geosyntec shut down and left site around 1545.

Report No.: 64 Project File: MN0832D Date: 08/12/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Patrick Carr
- Brien Kilkenny
- Bryan Balog
- Addison Hofferth
- Scott Earley
- (Recon labor) X16

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- CAT 725 Haul truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
	DeMuth Electric	No
	Just Kingsely Corp	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: 8/24/18

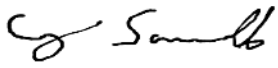
ITEMS OF CONCERN:

None

Report No.: 64 Project File: MN0832D Date: 08/12/2018

Site Representative: Cody Saville

Name (Signature):



Report No.:	64	Project File:	MN0832D	Date:	08/12/2018

Photo Log
Date : 08/12/2018

	
Morning view of the RPL.	Water removal from excavation.
	
Moving generator.	Placement of geotextile fabric

DAILY OBSERVATION REPORT

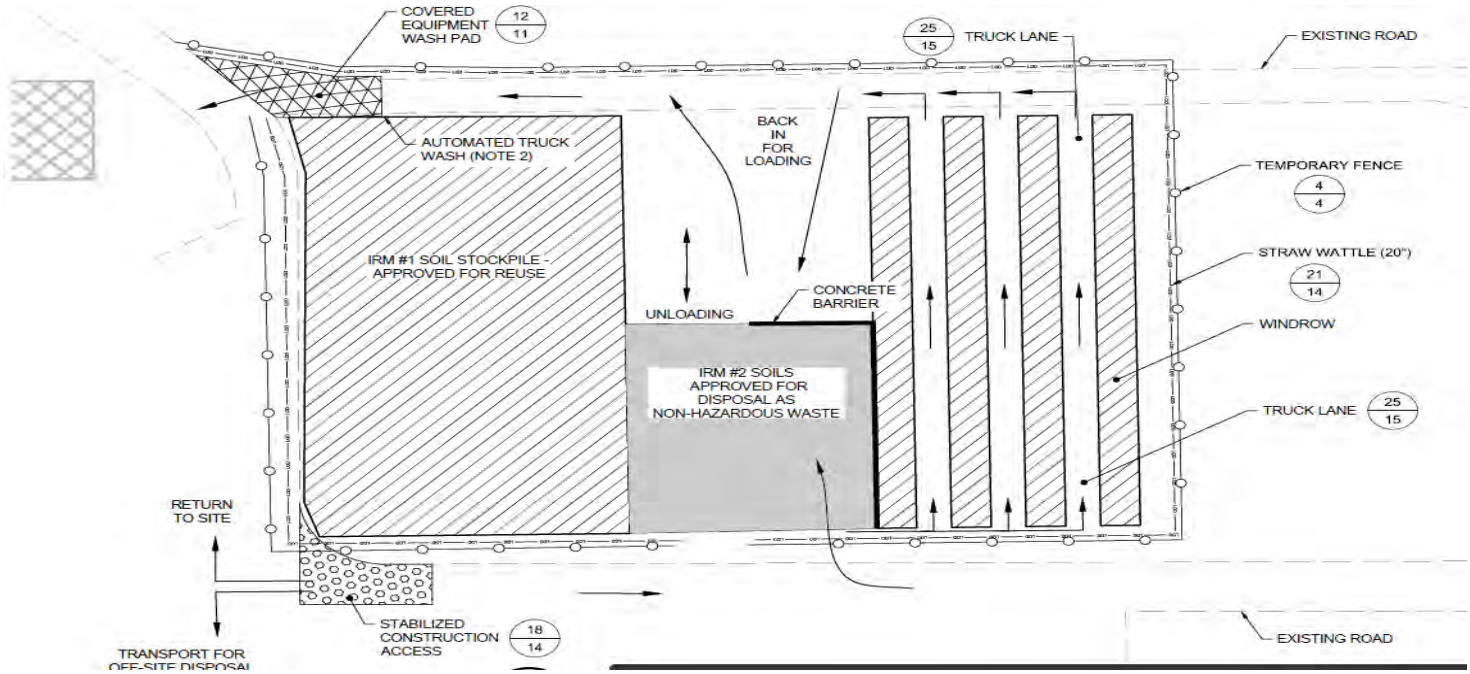
Report No.:	64	Project File:	MN0832D	Date:	08/12/2018

Site Map

Rear Parking Lot



MSA



DAILY OBSERVATION REPORT

Report No.:	65	Project File:	MN0832D	Date:	08/13/2018

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Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Jim Burnett

Site Representative: Matt Schallinger

Arrive at Site: 0645hrs. Leave Site: 1415hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Rain	am	Rain	Pm
Temperature:	65° F	am	69° F	Pm
Wind Direction:	1 N	am	4 NW	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☐	N/A ☒
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 65 Project File: MN0832D Date: 08/13/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 369

Weight: 20 tons/each Total Weight to date: ~8610 Tons

Non Haz Soil Removal:

Total Loads today: 8 Total Loads to date: 182

Weight: 20-33 tons/each Total Weight to date: ~4539 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: Tons Total Weight to date: 175 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1137

Weight: ~21 Tons/each Total Weight to date: ~9005 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	65	Project File:	MN0832D	Date:	08/13/2018

Summary of Events

AM

- Geosyntec arrived on site at 0645. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed procedures for staying alert while walking near operating heavy equipment. Also discussed stop work authority.
- Recon attempted backfill construction in phases 2 and 3 but had to stop due to wet conditions from rain.
- Recon and Geosyntec inspected rain controls around the site.
- 8 loads on non-hazardous material was shipped offsite from the MSA.
- Recon moved pile 107 to the MSA for temporary staging.
- No TSCA trucks were loaded today.
- No dust monitors were deployed today because of steady rainfall.

PM

- Scott Williams of DEC onsite.
- Around 1300 hours, Recon notified Geosyntec that all construction activities were shut down for the day because of rain.
- Geosyntec shut down and left site around 1415.

Report No.: 65 Project File: MN0832D Date: 08/13/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Rich Tonnucour
- (Recon labor) X16

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- CAT 725 Haul truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	DEC	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: 8/24/18

ITEMS OF CONCERN:

Lots of rain made for wet and muddy conditions at the site.

Report No.:	65	Project File:	MN0832D	Date:	08/13/2018

Site Representative: Matt Schallinger

Name (Signature):



Report No.: 65 Project File: MN0832D Date: 08/13/2018

Photo Log
Date : 08/13/2018



Preparing to backfill.



Backfill with pipes in the ground for surveying.



Amended water line.



Site conditions around 1300 hours.

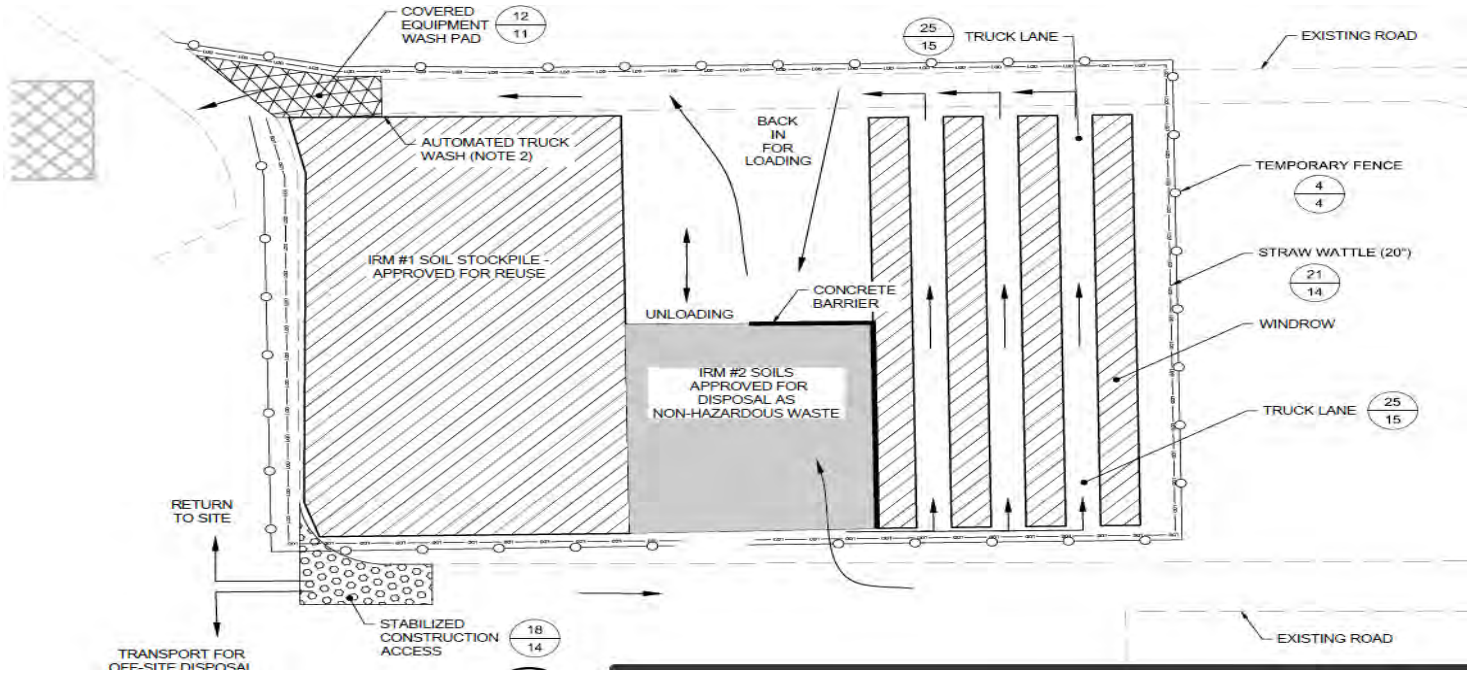
Report No.:	65	Project File:	MN0832D	Date:	08/13/2018

Site Map

Rear Parking Lot



MSA



DAILY OBSERVATION REPORT

Report No.:	66	Project File:	MN0832D	Date:	08/14/2018

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an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Jim Burnett

Site Representative: Matt Schallinger

Arrive at Site: 0645hrs. Leave Site: 1730 hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Rain	am	Rain	Pm
Temperature:	67° F	am	72° F	Pm
Wind Direction:	4 N	am	9 E	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☐	N/A ☒
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 66 Project File: MN0832D Date: 08/14/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 10 Total Loads to date: 379

Weight: ~20 tons/each Total Weight to date: ~8810 Tons

Non Haz Soil Removal:

Total Loads today: 11 Total Loads to date: 193

Weight: 20-33 tons/each Total Weight to date: ~4759 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: Tons Total Weight to date: 175 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1137

Weight: ~21 Tons/each Total Weight to date: ~9005 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	66	Project File:	MN0832D	Date:	08/14/2018

Summary of Events

AM

- Geosyntec arrived on site at 0645. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed work plan for the day.
- Recon subcontracted a vac truck (Kingsley, Corp.) and pumped ponded water from phase 3 into the truck and transferred this water to onsite frac tanks throughout the day.
- Recon and Geosyntec inspected rain controls around the site.
- Recon and Geosyntec attended the weekly progress meeting.
- TSCA material shipping from RPL and non-hazardous material shipping from the MSA continued through the end of the day.
- 3 truck loads of TSCA soil requiring lead stablization was sent to Envirosafe of Oregon, Ohio for preliminary disposal.
- 7 truck loads of TSCA material were sent offsite to Wayne Disposal in Belleville, MI for disposal.
- Atlantic Testing onsite to perform concrete testing for school contractor is Phase 1.
- Recon continued to excavate non-hazardous and TSCA material within the site in phase 3. Non-hazardous material was sent down and staged in the MSA.
- Non-hazardous material loadout continued in the MSA.
- No dust monitors were deployed today because of rain.

PM

- Scott Williams of DEC onsite.
- 11 loads on non-hazardous material was shipped offsite from the MSA.
- Geosyntec collected waste characterization samples of solid and aqueous IDW from drums temporarily staged in the conex box.
- Recon mobilized a frac tank from the east side of K-wing and staged it along haul road near the RPL.
- Recon continued to pump ponded water from phase 3.
- Recon excavated non-hazardous material in the SE section of the RPL.
- No backfill was constructed today because of wet conditions.
- Geosyntec shut down and left site around 1730.

Report No.: 66 Project File: MN0832D Date: 08/14/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Rich Tonnucour
- (Recon labor) X17

Equipment and Materials:

- 4,600 Gal Vac Truck
- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- CAT 725 Haul truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	DEC	Yes
Denver Tyler	ATL	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: 8/24/18

ITEMS OF CONCERN:

Lots of rain made for wet and muddy conditions at the site.

DAILY OBSERVATION REPORT

Report No.:	66	Project File:	MN0832D	Date:	08/14/2018

Site Representative: Matt Schallinger

Name (Signature):



DAILY OBSERVATION REPORT

Report No.:	66	Project File:	MN0832D	Date:	08/14/2018

Photo Log
Date : 08/14/2018

<table>
<tr><td>  </td><td>  </td></tr>
<tr><td>Site conditions in the morning.</td><td>Geosyntec manifesting non-haz trucks.</td></tr>
<tr><td>  </td><td>  </td></tr>
<tr><td>Recon decontaminating haul trucks.</td><td>Setting up to pump water from phase 3.</td></tr>
</table>

Site Map

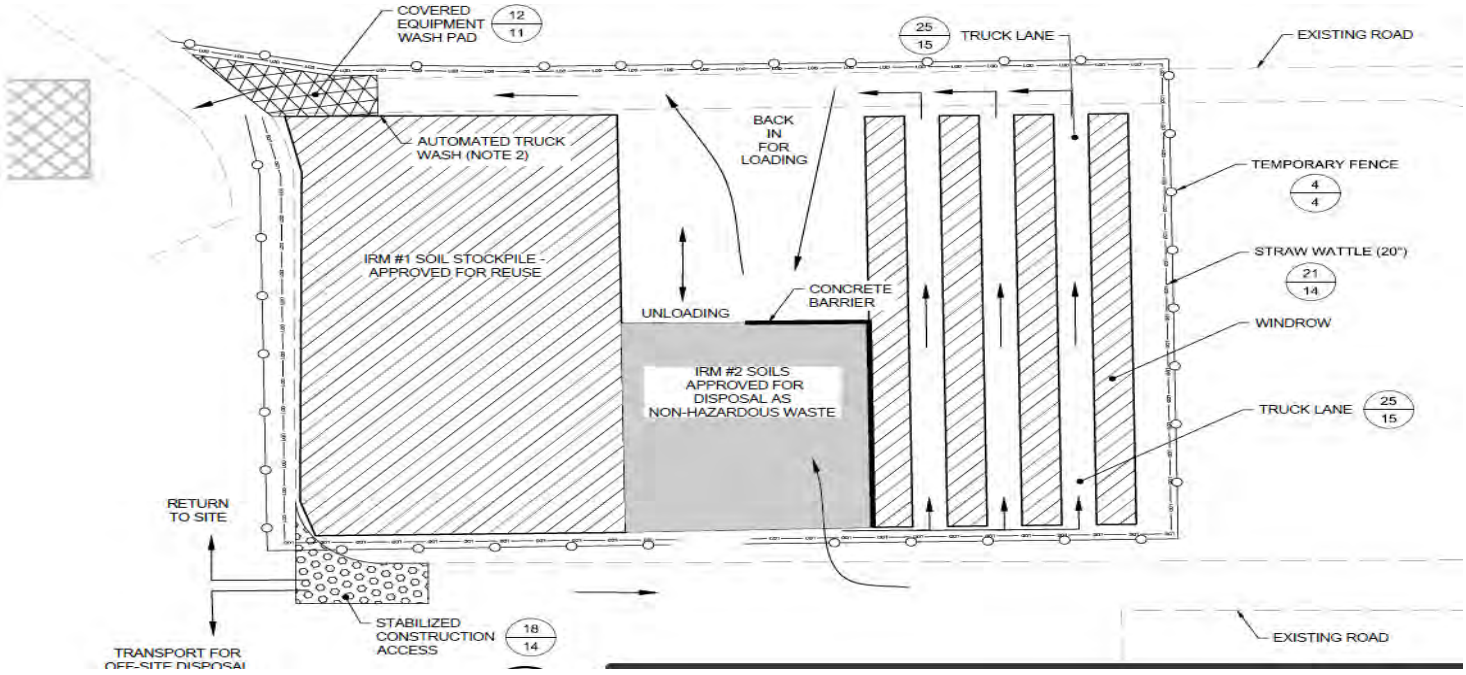
Rear Parking Lot

Report No.: 66 Project File: MN0832D Date: 08/14/2018



N

MSA



DAILY OBSERVATION REPORT

Report No.:	67	Project File:	MN0832D	Date:	08/15/2018

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engineers | scientists | innovators — an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Jim Burnett

Site Representative: Matt Schallinger

Arrive at Site: 0645hrs. Leave Site: 1845 hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Clear	am	Partly Cloudy	Pm
Temperature:	63° F	am	85° F	Pm
Wind Direction:	1 N	am	6 N	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 67 Project File: MN0832D Date: 08/15/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 9 Total Loads to date: 388

Weight: ~20 tons/each Total Weight to date: ~8990 Tons

Non Haz Soil Removal:

Total Loads today: 20 Total Loads to date: 213

Weight: 20-33 tons/each Total Weight to date: ~5159 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: Tons Total Weight to date: 175 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1137

Weight: ~21 Tons/each Total Weight to date: ~9005 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	67	Project File:	MN0832D	Date:	08/15/2018

Summary of Events

AM

- Geosyntec arrived on site at 0645. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed work plan for the day and procedures for staying alert while walking near operating heavy equipment.
- Recon subcontracted a vac truck and pumped ponded water from phase 3 into the truck and transferred this water to onsite frac tanks through the morning and into the early afternoon.
- Geosyntec calibrated and deployed dust monitors.
- Geosyntec deployed TISCH samplers around the RPL.
- Recon and Hunt complete as-built surveys of excavation.
- School contractor continued working within phase 1.
- Recon continued to spray water around the site multiple times during the day starting around 1000.
- TSCA material shipping from RPL and non-hazardous material shipping from MSA continued through the end of the day.
- Recon continued to excavate non-hazardous and TSCA material within the site in phase 3. Non-hazardous material was sent down and staged in the MSA.
- Recon and Geosyntec inspected rain controls around the site.
- Recon excavated lead impacted material and staged it on poly along the eastern edge of the RPL. This material will be loaded offsite to Envirosafe early next week.
- 9 truckloads of TSCA material were sent offsite.
- No backfill was constructed today due to wet conditions of backfill material.

PM

- Scott Williams of DEC onsite.
- Non-hazardous material loadout continued in the MSA for a total of 20 loads that were shipped offsite.
- Geosyntec conducted a SWPPP inspection.
- Recon continued to excavate non-hazardous and TSCA material in the SE section of the RPL. This material was managed accordingly.
- Geosyntec shut down and left site around 1845.

Report No.: 67 Project File: MN0832D Date: 08/15/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Rich Tonnucour
- (Recon labor) X17

Equipment and Materials:

- 4,600 Gal Vac Truck
- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- CAT 725 Haul truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	DEC	Yes
Seth Lovell	Hunt	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: 8/24/18

ITEMS OF CONCERN:

Two of the perimeter dust monitors in the RPL did not record any data for the day. Geosyntec will troubleshoot these monitors and deploy back-ups as necessary.

DAILY OBSERVATION REPORT

Report No.:	67	Project File:	MN0832D	Date:	08/15/2018

Site Representative: Matt Schallinger

Name (Signature):



DAILY OBSERVATION REPORT

Report No.:	67	Project File:	MN0832D	Date:	08/15/2018

Photo Log
Date : 08/15/2018

	
Site conditions in the morning with vac truck.	Non-haz loadout from the RPL.
	
Current extent of excavation the SE corner of the RPL.	Staged and covered lead impacted soil.

Site Map

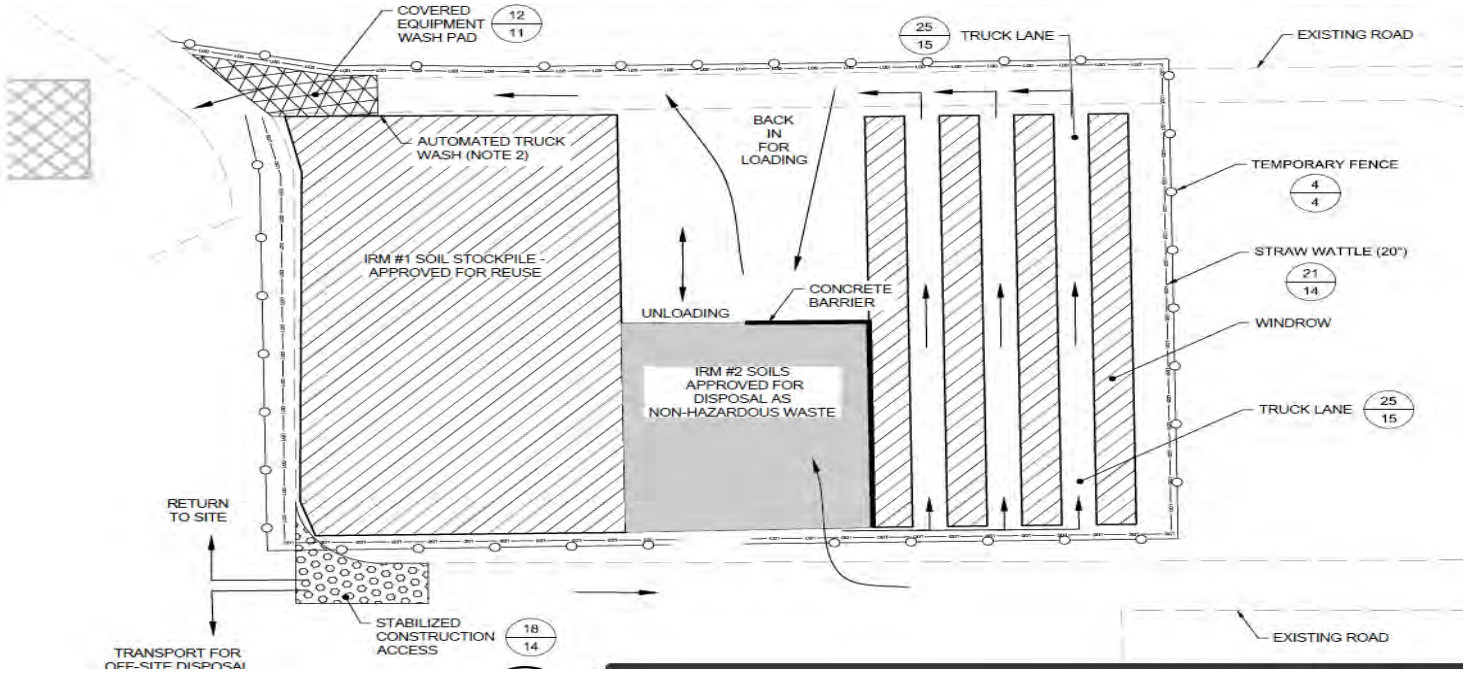
Rear Parking Lot

Report No.: 67 Project File: MN0832D Date: 08/15/2018



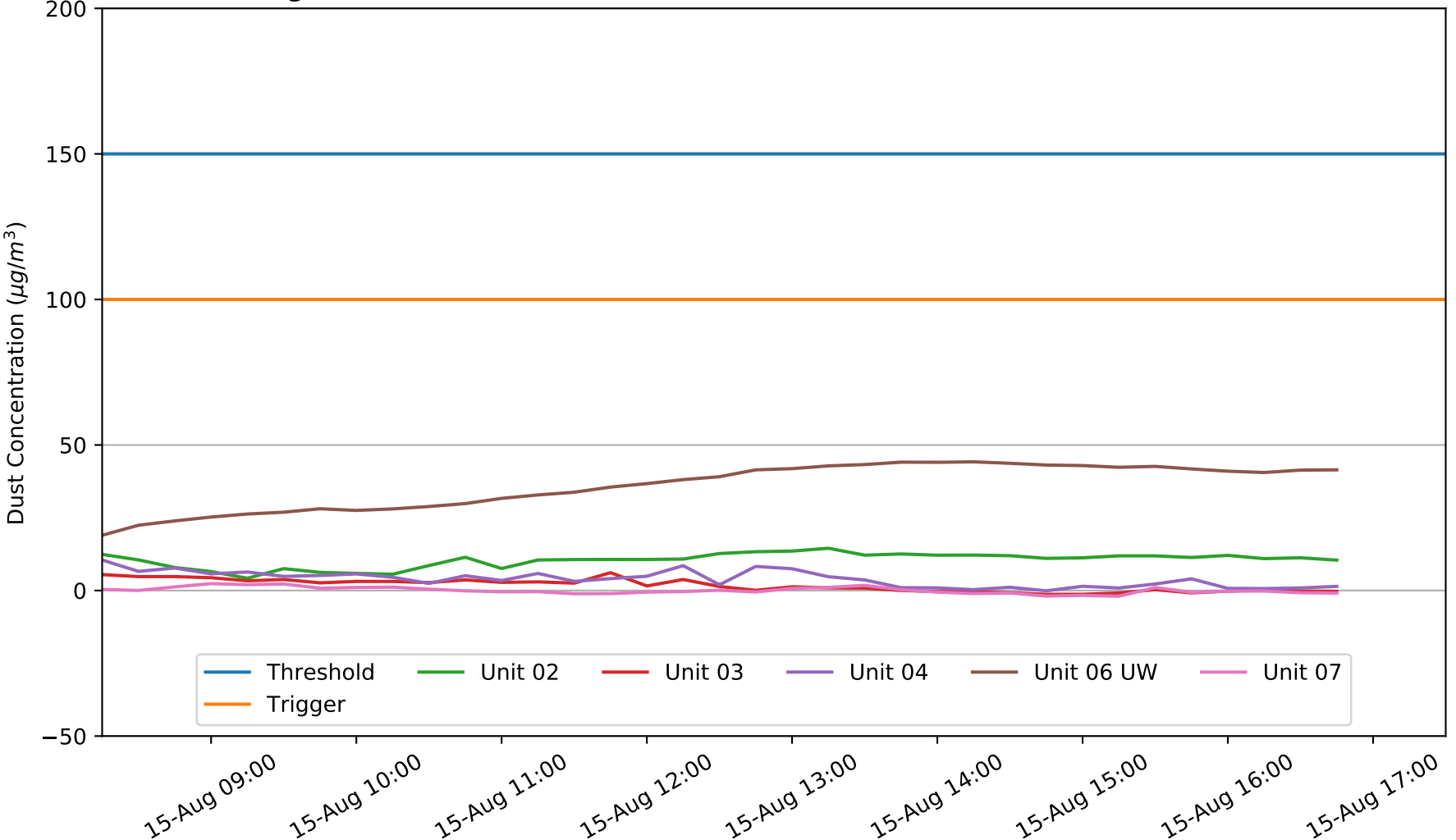
N

MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 15-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 15-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 02	Unit 04	Unit 07	Unit 03	Unit 06 UW	Threshold	Trigger
2018-08-15 08:15:00	12.42	10.48	0.37	5.47	18.98	150	100
2018-08-15 08:30:00	10.52	6.58	0.03	4.79	22.43	150	100
2018-08-15 08:45:00	7.91	7.73	1.25	4.79	23.92	150	100
2018-08-15 09:00:00	6.52	5.74	2.36	4.4	25.24	150	100
2018-08-15 09:15:00	4.22	6.37	2	3.34	26.29	150	100
2018-08-15 09:30:00	7.52	4.86	2.26	3.78	26.91	150	100
2018-08-15 09:45:00	6.24	5.18	0.79	2.64	28.09	150	100
2018-08-15 10:00:00	5.88	5.7	1.06	3.13	27.52	150	100
2018-08-15 10:15:00	5.6	4.55	1.15	3.12	28.04	150	100
2018-08-15 10:30:00	8.58	2.44	0.47	2.72	28.86	150	100
2018-08-15 10:45:00	11.43	5.09	-0.1	3.65	29.87	150	100
2018-08-15 11:00:00	7.56	3.44	-0.43	2.81	31.66	150	100
2018-08-15 11:15:00	10.49	5.87	-0.39	2.97	32.84	150	100
2018-08-15 11:30:00	10.64	3.16	-1.09	2.54	33.77	150	100
2018-08-15 11:45:00	10.68	4.1	-1.06	6.13	35.53	150	100
2018-08-15 12:00:00	10.66	4.9	-0.54	1.58	36.73	150	100
2018-08-15 12:15:00	10.82	8.55	-0.35	3.78	38.1	150	100
2018-08-15 12:30:00	12.71	1.99	0.1	1.38	39.1	150	100
2018-08-15 12:45:00	13.33	8.28	-0.49	0.07	41.46	150	100
2018-08-15 13:00:00	13.55	7.48	0.73	1.28	41.87	150	100
2018-08-15 13:15:00	14.52	4.75	1.06	0.91	42.82	150	100
2018-08-15 13:30:00	12.15	3.63	1.77	0.83	43.27	150	100
2018-08-15 13:45:00	12.56	0.99	0.27	0.02	44.1	150	100
2018-08-15 14:00:00	12.14	0.9	-0.55	-0.35	44.06	150	100
2018-08-15 14:15:00	12.18	0.31	-1.03	-0.42	44.21	150	100
2018-08-15 14:30:00	11.97	1.12	-0.83	-0.78	43.71	150	100
2018-08-15 14:45:00	11.05	-0.1	-1.9	-1.31	43.11	150	100
2018-08-15 15:00:00	11.24	1.46	-1.66	-1.28	42.93	150	100
2018-08-15 15:15:00	11.91	0.87	-1.95	-0.85	42.34	150	100
2018-08-15 15:30:00	11.91	2.25	1.03	0.31	42.64	150	100
2018-08-15 15:45:00	11.35	4.01	-0.6	-0.79	41.77	150	100
2018-08-15 16:00:00	12.08	0.75	-0.23	-0.21	41	150	100
2018-08-15 16:15:00	10.96	0.66	-0.17	0.23	40.54	150	100
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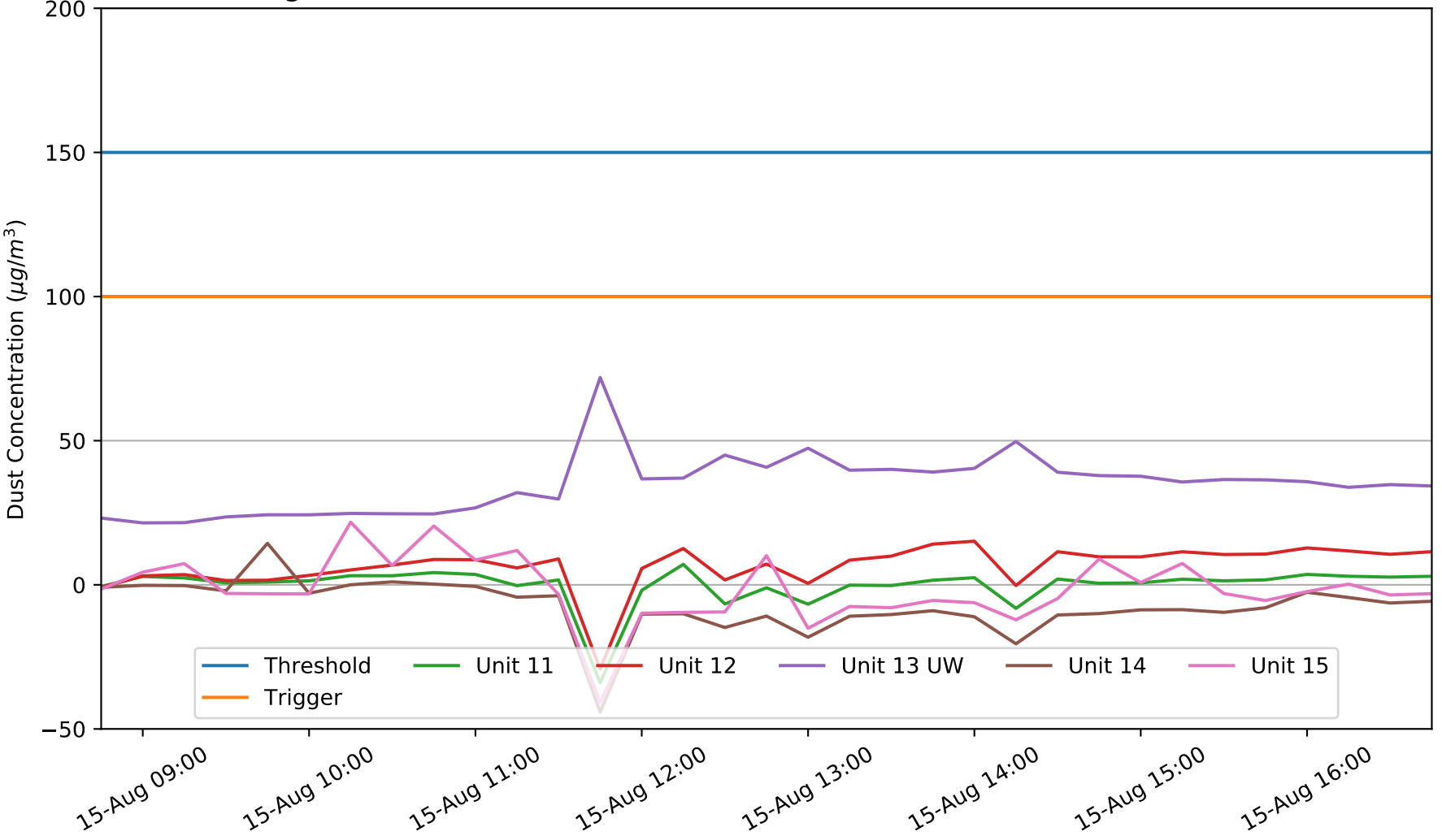
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32, 40.79, 23.2, 41, 740, 00 , 16:00:03, 15-Aug-2018
33, 40.77, 22.5, 45, 738, 00 , 16:15:03, 15-Aug-2018
34, 41.18, 21.7, 51, 740, 00 , 16:30:03, 15-Aug-2018
35, 41.17, 21.6, 50, 738, 00 , 16:45:03, 15-Aug-2018

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"RH CORRECT ", "ENABLED "
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"Max STEL   ", 44.328408
"Max STEL @ ", 14:19:13 15-Aug-2018
"Avg point ", 35.901520
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
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"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 18.98, 22.4, 75, 738, 01 , 08:15:03, 15-Aug-2018
2, 22.43, 24.9, 68, 738, 00 , 08:30:03, 15-Aug-2018
3, 23.92, 27.2, 59, 736, 00 , 08:45:03, 15-Aug-2018
4, 25.24, 30.3, 51, 736, 00 , 09:00:03, 15-Aug-2018
5, 26.29, 33.5, 43, 736, 00 , 09:15:03, 15-Aug-2018
6, 26.91, 36.3, 36, 736, 00 , 09:30:03, 15-Aug-2018
7, 28.09, 38.2, 32, 736, 00 , 09:45:03, 15-Aug-2018
8, 27.52, 40.4, 28, 736, 00 , 10:00:03, 15-Aug-2018
9, 28.04, 42.7, 25, 736, 00 , 10:15:03, 15-Aug-2018
10, 28.86, 44.5, 22, 736, 00 , 10:30:03, 15-Aug-2018
11, 29.87, 45.9, 21, 736, 00 , 10:45:03, 15-Aug-2018
12, 31.66, 47.2, 19, 736, 00 , 11:00:03, 15-Aug-2018
13, 32.84, 48.0, 19, 736, 00 , 11:15:03, 15-Aug-2018
14, 33.77, 48.1, 19, 736, 00 , 11:30:03, 15-Aug-2018
15, 35.53, 48.4, 19, 736, 00 , 11:45:03, 15-Aug-2018
16, 36.73, 47.9, 19, 736, 00 , 12:00:03, 15-Aug-2018
17, 38.10, 47.5, 18, 736, 00 , 12:15:03, 15-Aug-2018
18, 39.10, 48.3, 19, 736, 00 , 12:30:03, 15-Aug-2018
19, 41.46, 49.1, 18, 736, 00 , 12:45:03, 15-Aug-2018
20, 41.87, 49.1, 17, 736, 00 , 13:00:03, 15-Aug-2018
21, 42.82, 48.9, 18, 736, 00 , 13:15:03, 15-Aug-2018
22, 43.27, 48.9, 18, 736, 00 , 13:30:03, 15-Aug-2018
23, 44.10, 48.1, 18, 736, 00 , 13:45:03, 15-Aug-2018
24, 44.06, 46.9, 17, 736, 00 , 14:00:03, 15-Aug-2018
25, 44.21, 46.4, 18, 736, 00 , 14:15:03, 15-Aug-2018
26, 43.71, 45.8, 17, 736, 00 , 14:30:03, 15-Aug-2018
27, 43.11, 45.1, 19, 736, 00 , 14:45:03, 15-Aug-2018
28, 42.93, 44.7, 20, 736, 00 , 15:00:03, 15-Aug-2018
29, 42.34, 44.5, 19, 736, 00 , 15:15:03, 15-Aug-2018
30, 42.64, 43.9, 20, 736, 00 , 15:30:03, 15-Aug-2018
31, 41.77, 42.6, 22, 736, 00 , 15:45:03, 15-Aug-2018
32, 41.00, 39.4, 27, 736, 00 , 16:00:03, 15-Aug-2018
33, 40.54, 38.0, 31, 736, 00 , 16:15:03, 15-Aug-2018
34, 41.37, 37.6, 34, 736, 00 , 16:30:03, 15-Aug-2018
35, 41.46, 37.9, 33, 736, 00 , 16:45:03, 15-Aug-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 15-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 15-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 14	Unit 13 UW	Unit 12	Unit 15	Unit 11	Threshold	Trigger
2018-08-15 08:45:00	-0.86	23.16	-0.86	-1.49	-0.6	150	100
2018-08-15 09:00:00	-0.18	21.48	3.1	4.38	2.89	150	100
2018-08-15 09:15:00	-0.27	21.56	3.54	7.35	2.39	150	100
2018-08-15 09:30:00	-2.1	23.55	1.5	-3	0.71	150	100
2018-08-15 09:45:00	14.39	24.29	1.59	-3.1	0.95	150	100
2018-08-15 10:00:00	-2.93	24.28	3.27	-3.13	1.39	150	100
2018-08-15 10:15:00	0.02	24.76	5.16	21.72	3.17	150	100
2018-08-15 10:30:00	1.03	24.64	6.85	6.69	3.14	150	100
2018-08-15 10:45:00	0.24	24.59	8.79	20.39	4.25	150	100
2018-08-15 11:00:00	-0.54	26.7	8.71	8.59	3.6	150	100
2018-08-15 11:15:00	-4.29	31.98	5.86	11.92	-0.29	150	100
2018-08-15 11:30:00	-3.79	29.76	8.98	-3.34	1.69	150	100
2018-08-15 11:45:00	-44.17	71.91	-29.23	-40.87	-33.94	150	100
2018-08-15 12:00:00	-10.17	36.74	5.66	-9.86	-1.91	150	100
2018-08-15 12:15:00	-10.04	37.02	12.6	-9.56	7.11	150	100
2018-08-15 12:30:00	-14.81	45	1.69	-9.4	-6.63	150	100
2018-08-15 12:45:00	-10.84	40.77	7.22	10.12	-1.03	150	100
2018-08-15 13:00:00	-18.18	47.39	0.5	-15.08	-6.72	150	100
2018-08-15 13:15:00	-10.89	39.76	8.56	-7.51	-0.11	150	100
2018-08-15 13:30:00	-10.31	40.06	9.95	-7.95	-0.25	150	100
2018-08-15 13:45:00	-8.98	39.11	14.12	-5.42	1.59	150	100
2018-08-15 14:00:00	-11.08	40.4	15.13	-6.2	2.47	150	100
2018-08-15 14:15:00	-20.46	49.7	-0.25	-12.15	-8.17	150	100
2018-08-15 14:30:00	-10.47	39.06	11.48	-4.78	2.01	150	100
2018-08-15 14:45:00	-9.98	37.88	9.71	8.91	0.53	150	100
2018-08-15 15:00:00	-8.68	37.67	9.69	0.79	0.67	150	100
2018-08-15 15:15:00	-8.62	35.67	11.47	7.41	1.95	150	100
2018-08-15 15:30:00	-9.55	36.53	10.51	-3.02	1.39	150	100
2018-08-15 15:45:00	-7.97	36.41	10.66	-5.44	1.71	150	100
2018-08-15 16:00:00	-2.58	35.77	12.8	-2.35	3.61	150	100
2018-08-15 16:15:00	-4.41	33.82	11.75	0.24	2.98	150	100
2018-08-15 16:30:00	-6.31	34.76	10.58	-3.52	2.68	150	100
2018-08-15 16:45:00	-5.71	34.29	11.49	-3.06	2.96	150	100

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"Unit   ", 0
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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 08:30:08 15-Aug-2018
"Max STEL   ", 38.832221
"Max STEL @ ", 09:49:53 15-Aug-2018
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"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
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3, 21.29, 20.6, 69, 740, 00 , 09:15:03, 15-Aug-2018
4, 21.45, 21.0, 68, 740, 00 , 09:30:03, 15-Aug-2018
5, 38.68, 21.4, 66, 740, 00 , 09:45:03, 15-Aug-2018
6, 21.35, 21.9, 65, 740, 00 , 10:00:03, 15-Aug-2018
7, 24.78, 22.4, 62, 740, 00 , 10:15:03, 15-Aug-2018
8, 25.67, 23.1, 61, 740, 00 , 10:30:03, 15-Aug-2018
9, 24.83, 23.7, 58, 740, 00 , 10:45:03, 15-Aug-2018
10, 26.16, 24.4, 57, 740, 00 , 11:00:03, 15-Aug-2018
11, 27.69, 25.4, 54, 740, 00 , 11:15:03, 15-Aug-2018
12, 25.97, 26.3, 52, 738, 00 , 11:30:03, 15-Aug-2018
13, 27.74, 27.0, 50, 738, 00 , 11:45:03, 15-Aug-2018
14, 26.57, 27.9, 49, 738, 00 , 12:00:03, 15-Aug-2018
15, 26.98, 28.9, 47, 738, 00 , 12:15:03, 15-Aug-2018
16, 30.19, 30.1, 42, 738, 00 , 12:30:03, 15-Aug-2018
17, 29.93, 30.9, 39, 738, 00 , 12:45:03, 15-Aug-2018
18, 29.21, 32.0, 36, 738, 00 , 13:00:03, 15-Aug-2018
19, 28.87, 33.1, 33, 738, 00 , 13:15:03, 15-Aug-2018
20, 29.75, 34.1, 30, 738, 00 , 13:30:03, 15-Aug-2018
21, 30.13, 34.8, 29, 738, 00 , 13:45:03, 15-Aug-2018
22, 29.32, 35.3, 28, 738, 00 , 14:00:03, 15-Aug-2018
23, 29.24, 35.4, 26, 738, 00 , 14:15:03, 15-Aug-2018
24, 28.59, 35.0, 26, 738, 00 , 14:30:03, 15-Aug-2018
25, 27.90, 34.9, 25, 738, 00 , 14:45:03, 15-Aug-2018
26, 28.99, 35.4, 25, 738, 00 , 15:00:03, 15-Aug-2018
27, 27.05, 36.0, 24, 738, 00 , 15:15:03, 15-Aug-2018
28, 26.98, 36.1, 23, 738, 00 , 15:30:03, 15-Aug-2018
29, 28.44, 34.2, 27, 738, 00 , 15:45:03, 15-Aug-2018
30, 33.19, 31.5, 34, 738, 00 , 16:00:03, 15-Aug-2018
31, 29.41, 31.4, 37, 738, 00 , 16:15:03, 15-Aug-2018
32, 28.45, 30.1, 45, 738, 00 , 16:30:03, 15-Aug-2018
33, 28.58, 30.8, 44, 738, 00 , 16:45:03, 15-Aug-2018

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"Unit   ", 0
"Unit Name   ", "ug/m3"
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"RH CORRECT ", "ENABLED "
"Max Disp   ", 328.482389
"Max Disp @ ", 11:39:37 15-Aug-2018
"Max STEL   ", 75.625510
"Max STEL @ ", 11:53:33 15-Aug-2018
"Avg point ", 34.863353
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 23.16, 22.7, 69, 736, 03 , 08:45:03, 15-Aug-2018
2, 21.48, 25.9, 69, 736, 00 , 09:00:03, 15-Aug-2018
3, 21.56, 28.7, 64, 736, 00 , 09:15:03, 15-Aug-2018
4, 23.55, 31.1, 54, 738, 00 , 09:30:03, 15-Aug-2018
5, 24.29, 33.4, 49, 738, 00 , 09:45:03, 15-Aug-2018
6, 24.28, 35.2, 46, 738, 00 , 10:00:03, 15-Aug-2018
7, 24.76, 36.7, 42, 738, 00 , 10:15:03, 15-Aug-2018
8, 24.64, 37.8, 39, 738, 00 , 10:30:03, 15-Aug-2018
9, 24.59, 38.9, 37, 738, 00 , 10:45:03, 15-Aug-2018
10, 26.70, 39.5, 36, 738, 00 , 11:00:03, 15-Aug-2018
11, 31.98, 37.8, 36, 738, 00 , 11:15:03, 15-Aug-2018
12, 29.76, 35.3, 40, 738, 00 , 11:30:03, 15-Aug-2018
13, 71.91, 34.3, 42, 738, 00 , 11:45:03, 15-Aug-2018
14, 36.74, 34.0, 44, 736, 00 , 12:00:03, 15-Aug-2018
15, 37.02, 33.7, 44, 738, 00 , 12:15:03, 15-Aug-2018
16, 45.00, 33.8, 45, 736, 00 , 12:30:03, 15-Aug-2018
17, 40.77, 33.9, 44, 736, 00 , 12:45:03, 15-Aug-2018
18, 47.39, 34.1, 43, 736, 00 , 13:00:03, 15-Aug-2018
19, 39.76, 34.5, 41, 736, 00 , 13:15:03, 15-Aug-2018
20, 40.06, 35.0, 41, 736, 00 , 13:30:03, 15-Aug-2018
21, 39.11, 35.0, 42, 736, 00 , 13:45:03, 15-Aug-2018
22, 40.40, 35.2, 40, 736, 00 , 14:00:03, 15-Aug-2018
23, 49.70, 35.5, 38, 736, 00 , 14:15:03, 15-Aug-2018
24, 39.06, 35.5, 39, 736, 00 , 14:30:03, 15-Aug-2018
25, 37.88, 35.3, 38, 736, 00 , 14:45:03, 15-Aug-2018
26, 37.67, 35.5, 39, 736, 00 , 15:00:03, 15-Aug-2018
27, 35.67, 35.6, 38, 736, 00 , 15:15:03, 15-Aug-2018
28, 36.53, 35.7, 38, 736, 00 , 15:30:03, 15-Aug-2018
29, 36.41, 34.7, 40, 736, 00 , 15:45:03, 15-Aug-2018
30, 35.77, 32.9, 44, 736, 00 , 16:00:03, 15-Aug-2018
31, 33.82, 33.5, 47, 736, 00 , 16:15:03, 15-Aug-2018
32, 34.76, 33.0, 50, 736, 00 , 16:30:03, 15-Aug-2018
33, 34.29, 32.8, 53, 736, 00 , 16:45:03, 15-Aug-2018

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"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 13:56:20 15-Aug-2018
"Max STEL ", 55.695210
"Max STEL @ ", 14:02:43 15-Aug-2018
"Avg point ", 41.304793
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 22.30, 18.5, 78, 738, 01 , 08:45:03, 15-Aug-2018
2, 24.58, 19.6, 76, 738, 00 , 09:00:03, 15-Aug-2018
3, 25.10, 20.3, 73, 738, 00 , 09:15:03, 15-Aug-2018
4, 25.05, 20.7, 73, 738, 00 , 09:30:03, 15-Aug-2018
5, 25.88, 21.1, 72, 738, 00 , 09:45:03, 15-Aug-2018
6, 27.55, 21.9, 70, 738, 00 , 10:00:03, 15-Aug-2018
7, 29.92, 22.7, 66, 738, 00 , 10:15:03, 15-Aug-2018
8, 31.49, 23.5, 64, 740, 00 , 10:30:03, 15-Aug-2018
9, 33.38, 24.3, 61, 740, 00 , 10:45:03, 15-Aug-2018
10, 35.41, 25.2, 59, 740, 00 , 11:00:03, 15-Aug-2018
11, 37.84, 27.0, 54, 740, 00 , 11:15:03, 15-Aug-2018
12, 38.74, 28.0, 52, 740, 00 , 11:30:03, 15-Aug-2018
13, 42.68, 29.0, 49, 740, 00 , 11:45:03, 15-Aug-2018
14, 42.40, 29.8, 47, 740, 00 , 12:00:03, 15-Aug-2018
15, 49.62, 30.6, 46, 740, 00 , 12:15:03, 15-Aug-2018
16, 46.69, 31.2, 45, 740, 00 , 12:30:03, 15-Aug-2018
17, 47.99, 31.3, 44, 740, 00 , 12:45:03, 15-Aug-2018
18, 47.89, 31.9, 42, 740, 00 , 13:00:03, 15-Aug-2018
19, 48.32, 32.4, 41, 740, 00 , 13:15:03, 15-Aug-2018
20, 50.01, 33.0, 39, 740, 00 , 13:30:03, 15-Aug-2018
21, 53.23, 33.4, 39, 740, 00 , 13:45:03, 15-Aug-2018
22, 55.53, 33.8, 37, 740, 00 , 14:00:03, 15-Aug-2018
23, 49.45, 33.8, 36, 740, 00 , 14:15:03, 15-Aug-2018
24, 50.54, 33.3, 37, 740, 00 , 14:30:03, 15-Aug-2018
25, 47.59, 33.2, 37, 740, 00 , 14:45:03, 15-Aug-2018
26, 47.36, 33.4, 37, 740, 00 , 15:00:03, 15-Aug-2018
27, 47.14, 33.8, 36, 738, 00 , 15:15:03, 15-Aug-2018
28, 47.04, 33.8, 36, 738, 00 , 15:30:03, 15-Aug-2018
29, 47.07, 32.0, 40, 740, 00 , 15:45:03, 15-Aug-2018
30, 48.57, 29.5, 46, 738, 00 , 16:00:03, 15-Aug-2018
31, 45.57, 29.3, 48, 738, 00 , 16:15:03, 15-Aug-2018
32, 45.34, 28.3, 55, 738, 00 , 16:30:03, 15-Aug-2018
33, 45.78, 29.1, 54, 738, 00 , 16:45:03, 15-Aug-2018

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"Tag Number ", 47
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"Unit   ", 0
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"RH CORRECT ", "ENABLED "
"Max Disp   ", 241.210890
"Max Disp @ ", 10:34:34 15-Aug-2018
"Max STEL   ", 53.982224
"Max STEL @ ", 12:39:43 15-Aug-2018
"Avg point ", 33.295646
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 21.67, 20.5, 70, 738, 01 , 08:45:03, 15-Aug-2018
2, 25.86, 22.0, 68, 738, 00 , 09:00:03, 15-Aug-2018
3, 28.91, 22.3, 66, 738, 00 , 09:15:03, 15-Aug-2018
4, 20.55, 22.3, 66, 740, 00 , 09:30:03, 15-Aug-2018
5, 21.19, 22.2, 66, 740, 00 , 09:45:03, 15-Aug-2018
6, 21.15, 22.6, 66, 740, 00 , 10:00:03, 15-Aug-2018
7, 46.48, 23.2, 64, 740, 00 , 10:15:03, 15-Aug-2018
8, 31.33, 24.0, 62, 740, 00 , 10:30:03, 15-Aug-2018
9, 44.98, 24.8, 58, 740, 00 , 10:45:03, 15-Aug-2018
10, 35.29, 25.3, 57, 738, 00 , 11:00:03, 15-Aug-2018
11, 43.90, 26.4, 54, 738, 00 , 11:15:03, 15-Aug-2018
12, 26.42, 27.3, 53, 738, 00 , 11:30:03, 15-Aug-2018
13, 31.04, 28.1, 50, 738, 00 , 11:45:03, 15-Aug-2018
14, 26.88, 29.1, 50, 738, 00 , 12:00:03, 15-Aug-2018
15, 27.46, 30.0, 46, 738, 00 , 12:15:03, 15-Aug-2018
16, 35.60, 30.2, 45, 738, 00 , 12:30:03, 15-Aug-2018
17, 50.89, 30.2, 44, 738, 00 , 12:45:03, 15-Aug-2018
18, 32.31, 31.3, 41, 738, 00 , 13:00:03, 15-Aug-2018
19, 32.25, 32.7, 38, 738, 00 , 13:15:03, 15-Aug-2018
20, 32.11, 34.1, 34, 738, 00 , 13:30:03, 15-Aug-2018
21, 33.69, 34.5, 33, 738, 00 , 13:45:03, 15-Aug-2018
22, 34.20, 35.0, 31, 738, 00 , 14:00:03, 15-Aug-2018
23, 37.55, 35.0, 29, 738, 00 , 14:15:03, 15-Aug-2018
24, 34.28, 34.4, 30, 738, 00 , 14:30:03, 15-Aug-2018
25, 46.79, 34.6, 29, 738, 00 , 14:45:03, 15-Aug-2018
26, 38.46, 35.2, 28, 738, 00 , 15:00:03, 15-Aug-2018
27, 43.08, 36.3, 26, 738, 00 , 15:15:03, 15-Aug-2018
28, 33.51, 36.4, 26, 738, 00 , 15:30:03, 15-Aug-2018
29, 30.97, 34.5, 30, 738, 00 , 15:45:03, 15-Aug-2018
30, 33.42, 31.2, 38, 738, 00 , 16:00:03, 15-Aug-2018
31, 34.06, 29.8, 44, 738, 00 , 16:15:03, 15-Aug-2018
32, 31.24, 28.8, 52, 738, 00 , 16:30:03, 15-Aug-2018
33, 31.23, 28.5, 54, 738, 00 , 16:45:03, 15-Aug-2018

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"RH CORRECT ", "ENABLED "
"Max Disp   ", 115.358388
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DAILY OBSERVATION REPORT

Report No.:	68	Project File:	MN0832D	Date:	08/16/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Jim Burnett

Site Representative: Matt Schallinger

Arrive at Site: 0645hrs. Leave Site: 1845 hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Clear	am	Increasing clouds	Pm
Temperature:	61° F	am	85° F	Pm
Wind Direction:	0 N	am	2 N	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☒	No ☐	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 68 Project File: MN0832D Date: 08/16/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 388

Weight: ~20 tons/each Total Weight to date: ~8990 Tons

Non Haz Soil Removal:

Total Loads today: 17 Total Loads to date: 230

Weight: 20-33 tons/each Total Weight to date: ~5499 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: Tons Total Weight to date: 175 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1137

Weight: ~21 Tons/each Total Weight to date: ~9005 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	68	Project File:	MN0832D	Date:	08/16/2018

Summary of Events

AM

- Geosyntec arrived on site at 0645. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed work plan for the day. There is a potential for afternoon rain.
- Geosyntec calibrated and deployed dust monitors.
- Recon and Hunt complete as-built surveys of excavation.
- School contractor continued working within phase 1.
- No TSCA trucks are scheduled for load out today.
- Atlantic Testing was onsite for concrete testing in phase one and for potential compaction testing.
- Approximately 5,000 gallons of water was removed from an onsite frac tank for disposal at an approved facility in Lancaster, PA.
- Preparations for backfill occurred in the western portion of phase 3. Geotextile fabric and orange demarcation layer were placed in the excavation.
- Recon continues to spray water around the site multiple times during the day.
- Backfilling operations began once excavation approval was given by Geosyntec.

PM

- Scott Williams of DEC onsite.
- A small section on non-hazardous material was excavated in the RPL along the N-S sheet pile wall.
- Non-hazardous material loadout continued in the MSA for a total of 17 loads that were shipped offsite.
- Geosyntec collected a bulk sample of imported fill in two 5-gal buckets and given to Tim Cleary of ATL to transport to the ATL office in Binghamton for geotechnical laboratory testing.
- Recon continued to backfill in the SE corner of the RPL with focus on restoring the access road.
- Geosyntec collected the dust monitors and analyzed the data.
- Geosyntec shut down and left site around 1845.

Report No.: 68 Project File: MN0832D Date: 08/16/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Rich Tonnucour
- (Recon labor) X17

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- CAT 725 Haul truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	DEC	Yes
Seth Lovell	Hunt	Yes
Tim Cleary	Atlantic Testing	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: 8/24/18

ITEMS OF CONCERN:

There were multiple dust exceedances recorded in the RPL today. The upwind monitor recorded 2 exceedances as this location is near the northern STCC loading docks which experienced elevated levels of business activity today. Additionally, 2 monitors located along the phase one perimeter recorded threshold exceedances. One of these exceedances was recorded along K-wing at a time when no construction activity was occurring in phase one. It was also noted that the school's contractor had staged construction materials on the east side of K-wing in the vicinity of the dust monitors. Recon continues to water the haul road between the MSA and RPL continuously throughout the day as well as inside of the MSA and accessible areas of the RPL.

DAILY OBSERVATION REPORT

Report No.:	68	Project File:	MN0832D	Date:	08/16/2018

Site Representative: Matt Schallinger

Name (Signature):



DAILY OBSERVATION REPORT

Report No.:	68	Project File:	MN0832D	Date:	08/16/2018

Photo Log
Date : 08/16/2018

	
Site conditions in the morning.	Decontamination at the MSA truck wash.
	
Beginning to construct backfill in SE corner of RPL.	Compaction of backfill in SE corner of RPL.

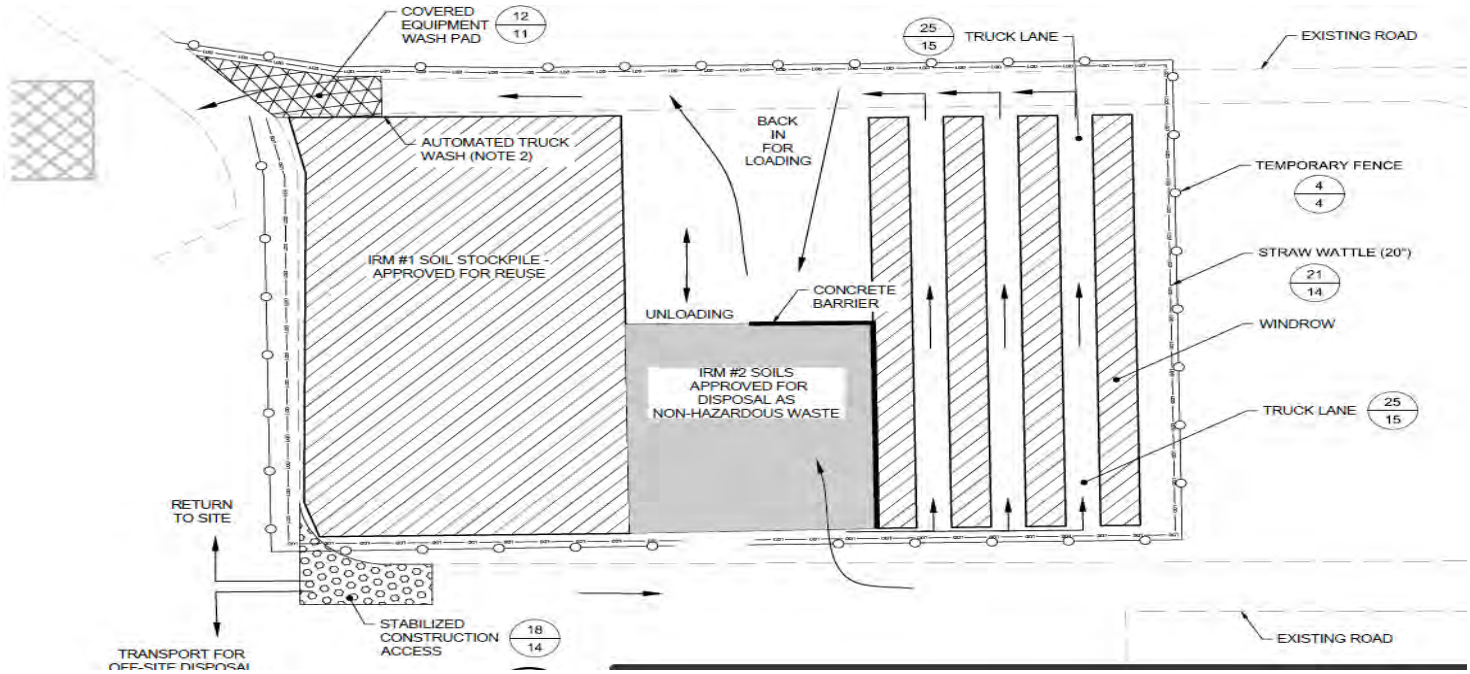
Report No.:	68	Project File:	MN0832D	Date:	08/16/2018

Site Map

Rear Parking Lot

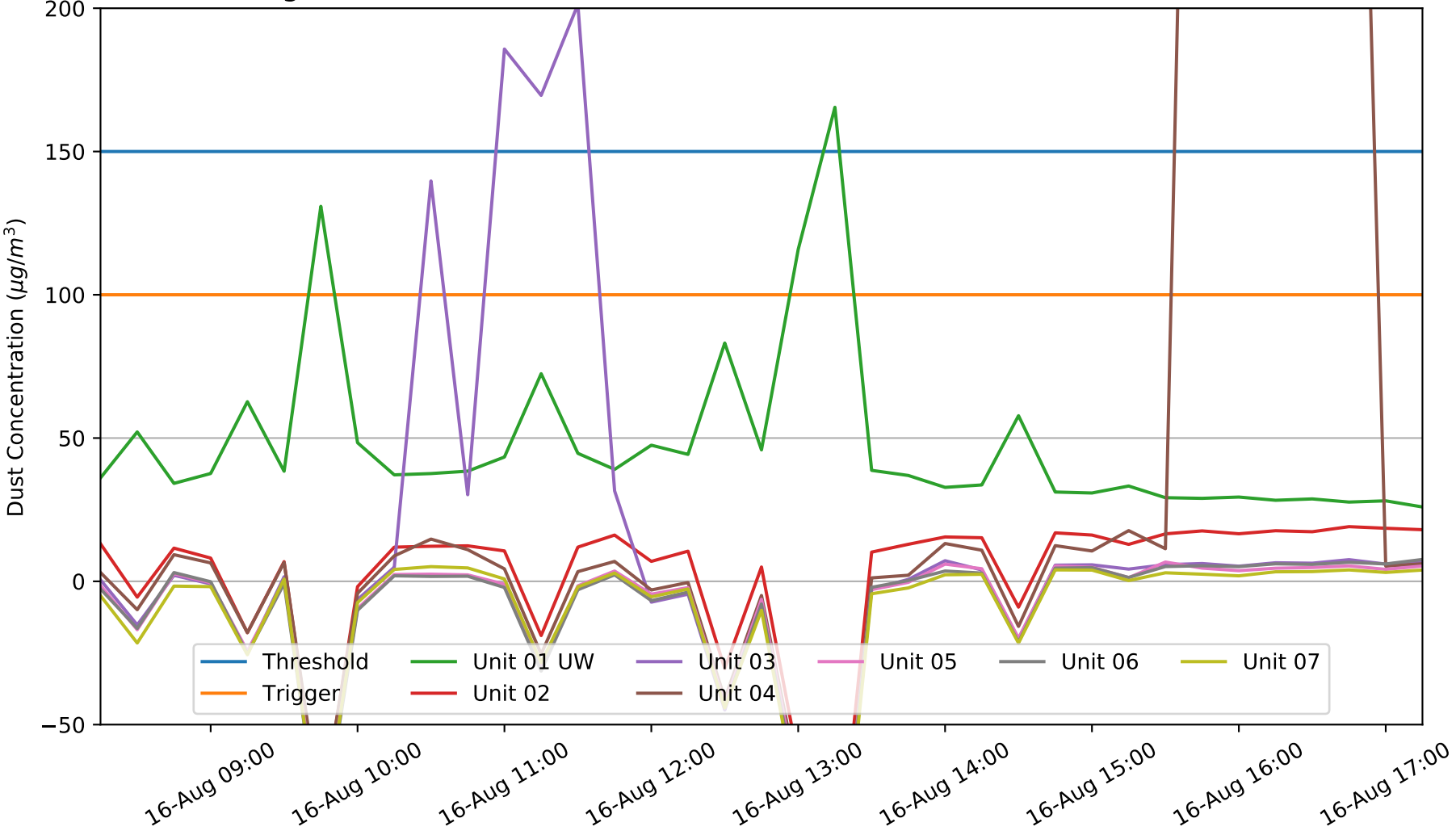


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 16-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 16-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 06	Unit 03	Unit 04	Unit 05	Unit 07	Unit 02	Unit 01 UW	Threshold	Trigger
2018-08-16 08:15:00	-2.65	0.52	3.07	-1.49	-5.02	13.1	36.1	150	100
2018-08-16 08:30:00	-16.43	-15.22	-9.9	-16.88	-21.52	-5.52	52.14	150	100
2018-08-16 08:45:00	3.06	2.1	9.3	2.66	-1.67	11.59	34.18	150	100
2018-08-16 09:00:00	-0.14	-0.9	6.43	-0.46	-1.84	8.12	37.63	150	100
2018-08-16 09:15:00	-25.28	-25.32	-17.92	-24.35	-25.63	-17.93	62.69	150	100
2018-08-16 09:30:00	-0.76	1.6	6.58	0.16	0.81	6.87	38.42	150	100
2018-08-16 09:45:00	-90.6	-85.84	-81.03	-87.47	-90.62	-83.69	130.86	150	100
2018-08-16 10:00:00	-10.1	-6.35	-4.18	-9.52	-7.41	-1.84	48.37	150	100
2018-08-16 10:15:00	1.93	4.92	8.88	2.37	4.15	11.93	37.16	150	100
2018-08-16 10:30:00	1.71	139.71	14.74	2.5	5.13	12.24	37.61	150	100
2018-08-16 10:45:00	1.78	30.22	11.05	2.25	4.68	12.39	38.45	150	100
2018-08-16 11:00:00	-2.14	185.76	4.35	-0.99	0.83	10.62	43.38	150	100
2018-08-16 11:15:00	-31.33	169.58	-25.37	-29.91	-28.37	-18.92	72.46	150	100
2018-08-16 11:30:00	-2.94	201.32	3.39	-1.58	-1.93	11.94	44.67	150	100
2018-08-16 11:45:00	2.26	31.57	6.95	3.59	2.88	16.14	39.06	150	100
2018-08-16 12:00:00	-6.75	-7.27	-3.02	-4.49	-5.41	6.97	47.51	150	100
2018-08-16 12:15:00	-3.75	-4.48	-0.41	-2.18	-2.66	10.53	44.3	150	100
2018-08-16 12:30:00	-44.01	-44.9	-40.97	-42.82	-44.18	-30.44	83.16	150	100
2018-08-16 12:45:00	-7.9	-7.63	-4.94	-6.27	-10.09	5	45.88	150	100
2018-08-16 13:00:00	-75.84	-76.57	-69.23	-72.55	-77.81	-62.43	115.82	150	100
2018-08-16 13:15:00	-126.97	-126.26	-123.99	-121.29	-129.18	-114.64	165.44	150	100
2018-08-16 13:30:00	-2.09	-2.76	1.2	-2.89	-4.34	10.2	38.73	150	100
2018-08-16 13:45:00	0.28	0.68	2.13	-0.35	-2.3	12.93	36.94	150	100
2018-08-16 14:00:00	3.6	7.19	13.2	6.01	2.29	15.49	32.79	150	100
2018-08-16 14:15:00	2.88	3.97	10.86	4.4	2.46	15.21	33.64	150	100
2018-08-16 14:30:00	-21.19	-20.11	-15.73	-19.84	-21.55	-9.01	57.8	150	100
2018-08-16 14:45:00	4.6	5.64	12.46	5.35	3.99	16.92	31.17	150	100
2018-08-16 15:00:00	4.79	5.76	10.59	4.92	3.92	16.15	30.83	150	100
2018-08-16 15:15:00	1.35	4.27	17.7	1.28	0.27	12.9	33.26	150	100
2018-08-16 15:30:00	5.16	5.81	11.38	6.73	2.98	16.57	29.19	150	100
2018-08-16 15:45:00	5.44	6.21	576.26	4.61	2.49	17.6	28.96	150	100
2018-08-16 16:00:00	5.14	5.28	1126.58	3.72	1.92	16.6	29.41	150	100
2018-08-16 16:15:00	6.11	6.48	589.7	4.58	3.33	17.66	28.29	150	100
2018-08-16 16:30:00	5.91	6.33	933.41	4.82	3.4	17.31	28.76	150	100
2018-08-16 16:45:00	6.65	7.56	480.02	5.39	3.98	19.08	27.66	150	100
2018-08-16 17:00:00	6.06	6.02	5.31	4.18	3.11	18.52	28.09	150	100
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37, 32.94, 27.5, 32, 740, 00 , 17:15:03, 16-Aug-2018

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"Max STEL @ ", 15:58:33 16-Aug-2018
"Avg point ", 141.938534
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1, 39.17, 22.7, 67, 742, 01 , 08:15:03, 16-Aug-2018
2, 42.24, 24.7, 63, 742, 00 , 08:30:03, 16-Aug-2018
3, 43.48, 26.7, 58, 742, 00 , 08:45:03, 16-Aug-2018
4, 44.06, 28.5, 53, 742, 00 , 09:00:03, 16-Aug-2018
5, 44.77, 30.3, 48, 742, 00 , 09:15:03, 16-Aug-2018
6, 45.00, 31.8, 45, 742, 00 , 09:30:03, 16-Aug-2018
7, 49.83, 33.2, 42, 742, 00 , 09:45:03, 16-Aug-2018
8, 44.19, 34.9, 39, 742, 00 , 10:00:03, 16-Aug-2018
9, 46.04, 36.2, 37, 742, 00 , 10:15:03, 16-Aug-2018
10, 52.35, 37.4, 36, 742, 00 , 10:30:03, 16-Aug-2018
11, 49.50, 38.2, 35, 742, 00 , 10:45:03, 16-Aug-2018
12, 47.73, 38.9, 33, 742, 00 , 11:00:03, 16-Aug-2018
13, 47.09, 39.6, 32, 742, 00 , 11:15:03, 16-Aug-2018
14, 48.06, 39.9, 31, 742, 00 , 11:30:03, 16-Aug-2018
15, 46.01, 40.4, 29, 742, 00 , 11:45:03, 16-Aug-2018
16, 44.49, 41.0, 28, 742, 00 , 12:00:03, 16-Aug-2018
17, 43.89, 41.4, 28, 742, 00 , 12:15:03, 16-Aug-2018
18, 42.19, 41.6, 27, 742, 00 , 12:30:03, 16-Aug-2018
19, 40.94, 41.8, 26, 742, 00 , 12:45:03, 16-Aug-2018
20, 46.59, 42.4, 26, 740, 00 , 13:00:03, 16-Aug-2018
21, 41.45, 42.6, 25, 740, 00 , 13:15:03, 16-Aug-2018
22, 39.93, 43.2, 25, 740, 00 , 13:30:03, 16-Aug-2018
23, 39.07, 42.4, 25, 740, 00 , 13:45:03, 16-Aug-2018
24, 45.99, 41.3, 27, 740, 00 , 14:00:03, 16-Aug-2018
25, 44.50, 41.4, 27, 740, 00 , 14:15:03, 16-Aug-2018
26, 42.07, 40.4, 29, 740, 00 , 14:30:03, 16-Aug-2018
27, 43.63, 39.4, 33, 740, 00 , 14:45:03, 16-Aug-2018
28, 41.42, 38.2, 34, 740, 00 , 15:00:03, 16-Aug-2018
29, 50.96, 38.9, 32, 740, 00 , 15:15:03, 16-Aug-2018
30, 40.57, 41.4, 25, 740, 00 , 15:30:03, 16-Aug-2018
31, 605.22, 42.9, 24, 740, 00 , 15:45:03, 16-Aug-2018
32, 1155.99, 43.5, 24, 740, 01 , 16:00:03, 16-Aug-2018
33, 617.99, 42.2, 24, 740, 01 , 16:15:03, 16-Aug-2018
34, 962.17, 41.1, 26, 740, 02 , 16:30:03, 16-Aug-2018
35, 507.68, 42.2, 25, 740, 00 , 16:45:03, 16-Aug-2018
36, 33.40, 42.4, 25, 740, 00 , 17:00:03, 16-Aug-2018
37, 32.08, 41.9, 25, 740, 00 , 17:15:03, 16-Aug-2018

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"Max STEL ", 44.408793
"Max STEL @ ", 13:13:23 16-Aug-2018
"Avg point ", 38.007751
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 34.61, 21.6, 68, 740, 03 , 08:15:03, 16-Aug-2018
2, 35.26, 22.8, 66, 740, 00 , 08:30:03, 16-Aug-2018
3, 36.84, 23.9, 63, 740, 00 , 08:45:03, 16-Aug-2018
4, 37.17, 24.8, 62, 740, 00 , 09:00:03, 16-Aug-2018
5, 38.34, 25.4, 61, 740, 00 , 09:15:03, 16-Aug-2018
6, 38.58, 25.8, 60, 740, 00 , 09:30:03, 16-Aug-2018
7, 43.39, 26.1, 60, 740, 00 , 09:45:03, 16-Aug-2018
8, 38.85, 26.3, 59, 740, 00 , 10:00:03, 16-Aug-2018
9, 39.53, 26.4, 60, 740, 00 , 10:15:03, 16-Aug-2018
10, 40.11, 26.6, 60, 740, 00 , 10:30:03, 16-Aug-2018
11, 40.70, 26.9, 61, 740, 00 , 10:45:03, 16-Aug-2018
12, 42.39, 27.4, 59, 740, 00 , 11:00:03, 16-Aug-2018
13, 42.55, 27.9, 58, 740, 00 , 11:15:03, 16-Aug-2018
14, 43.09, 28.3, 57, 740, 00 , 11:30:03, 16-Aug-2018
15, 42.65, 28.7, 55, 740, 00 , 11:45:03, 16-Aug-2018
16, 43.02, 29.1, 54, 740, 00 , 12:00:03, 16-Aug-2018
17, 42.12, 29.5, 53, 740, 00 , 12:15:03, 16-Aug-2018
18, 40.34, 29.9, 50, 740, 00 , 12:30:03, 16-Aug-2018
19, 39.61, 30.6, 48, 740, 00 , 12:45:03, 16-Aug-2018
20, 43.27, 31.4, 45, 740, 00 , 13:00:03, 16-Aug-2018
21, 44.15, 32.1, 43, 740, 00 , 13:15:03, 16-Aug-2018
22, 35.84, 32.7, 42, 740, 00 , 13:30:03, 16-Aug-2018
23, 36.59, 32.7, 42, 740, 00 , 13:45:03, 16-Aug-2018
24, 38.80, 32.4, 42, 740, 00 , 14:00:03, 16-Aug-2018
25, 38.04, 32.4, 44, 740, 00 , 14:15:03, 16-Aug-2018
26, 37.96, 32.0, 44, 740, 00 , 14:30:03, 16-Aug-2018
27, 36.52, 31.7, 44, 740, 00 , 14:45:03, 16-Aug-2018
28, 35.75, 31.5, 42, 740, 00 , 15:00:03, 16-Aug-2018
29, 34.54, 32.0, 41, 740, 00 , 15:15:03, 16-Aug-2018
30, 35.92, 33.0, 40, 740, 00 , 15:30:03, 16-Aug-2018
31, 33.57, 33.5, 39, 738, 00 , 15:45:03, 16-Aug-2018
32, 33.13, 33.7, 38, 738, 00 , 16:00:03, 16-Aug-2018
33, 32.87, 33.4, 39, 738, 00 , 16:15:03, 16-Aug-2018
34, 33.58, 33.1, 41, 738, 00 , 16:30:03, 16-Aug-2018
35, 33.05, 33.4, 40, 738, 00 , 16:45:03, 16-Aug-2018
36, 32.27, 33.5, 40, 738, 00 , 17:00:03, 16-Aug-2018
37, 31.30, 33.4, 41, 738, 00 , 17:15:03, 16-Aug-2018

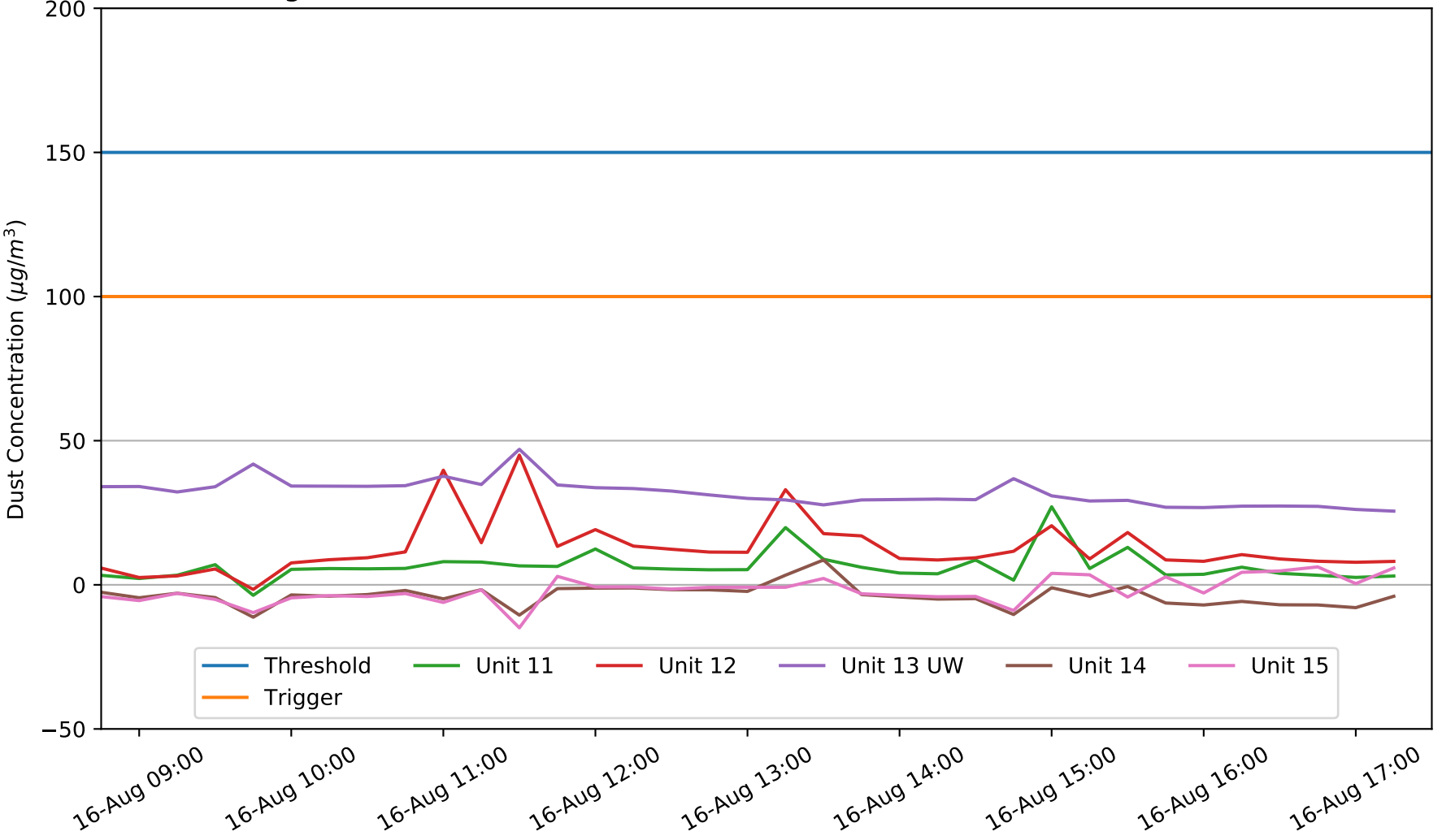
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"Avg point ", 36.535168
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"FlowRate ", 1.200000
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2, 30.62, 22.2, 77, 740, 00 , 08:30:03, 16-Aug-2018
3, 32.51, 23.3, 73, 740, 00 , 08:45:03, 16-Aug-2018
4, 35.79, 24.4, 69, 740, 00 , 09:00:03, 16-Aug-2018
5, 37.06, 25.9, 65, 740, 00 , 09:15:03, 16-Aug-2018
6, 39.23, 27.5, 61, 740, 00 , 09:30:03, 16-Aug-2018
7, 40.24, 29.6, 55, 740, 00 , 09:45:03, 16-Aug-2018
8, 40.96, 31.2, 52, 740, 00 , 10:00:03, 16-Aug-2018
9, 41.31, 32.8, 48, 740, 00 , 10:15:03, 16-Aug-2018
10, 42.74, 34.2, 45, 740, 00 , 10:30:03, 16-Aug-2018
11, 43.13, 34.7, 45, 740, 00 , 10:45:03, 16-Aug-2018
12, 44.21, 35.2, 44, 740, 00 , 11:00:03, 16-Aug-2018
13, 44.09, 35.7, 43, 740, 00 , 11:15:03, 16-Aug-2018
14, 42.74, 36.3, 42, 740, 00 , 11:30:03, 16-Aug-2018
15, 41.94, 37.3, 40, 740, 00 , 11:45:03, 16-Aug-2018
16, 42.10, 37.2, 40, 740, 00 , 12:00:03, 16-Aug-2018
17, 41.64, 37.8, 40, 740, 00 , 12:15:03, 16-Aug-2018
18, 38.98, 38.4, 38, 740, 00 , 12:30:03, 16-Aug-2018
19, 35.79, 39.9, 34, 740, 00 , 12:45:03, 16-Aug-2018
20, 38.01, 40.1, 34, 740, 00 , 13:00:03, 16-Aug-2018
21, 36.26, 39.8, 34, 740, 00 , 13:15:03, 16-Aug-2018
22, 34.39, 40.5, 33, 740, 00 , 13:30:03, 16-Aug-2018
23, 34.64, 40.5, 33, 740, 00 , 13:45:03, 16-Aug-2018
24, 35.08, 39.7, 36, 740, 00 , 14:00:03, 16-Aug-2018
25, 36.10, 39.5, 36, 740, 00 , 14:15:03, 16-Aug-2018
26, 36.25, 38.4, 38, 740, 00 , 14:30:03, 16-Aug-2018
27, 35.16, 37.4, 42, 740, 00 , 14:45:03, 16-Aug-2018
28, 34.75, 37.0, 43, 740, 00 , 15:00:03, 16-Aug-2018
29, 33.53, 38.2, 37, 740, 00 , 15:15:03, 16-Aug-2018
30, 32.17, 41.1, 31, 740, 00 , 15:30:03, 16-Aug-2018
31, 31.45, 43.0, 28, 740, 00 , 15:45:03, 16-Aug-2018
32, 31.33, 43.3, 27, 740, 00 , 16:00:03, 16-Aug-2018
33, 31.62, 41.3, 31, 740, 00 , 16:15:03, 16-Aug-2018
34, 32.16, 39.8, 34, 740, 00 , 16:30:03, 16-Aug-2018
35, 31.64, 40.4, 33, 740, 00 , 16:45:03, 16-Aug-2018
36, 31.20, 40.2, 33, 740, 00 , 17:00:03, 16-Aug-2018
37, 29.89, 39.4, 35, 740, 00 , 17:15:03, 16-Aug-2018

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"Errors ", 0000
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2, 46.62, 18.1, 68, 742, 00 , 08:30:03, 16-Aug-2018
3, 45.77, 18.1, 69, 742, 00 , 08:45:03, 16-Aug-2018
4, 45.75, 18.3, 70, 742, 00 , 09:00:03, 16-Aug-2018
5, 44.76, 18.7, 69, 742, 00 , 09:15:03, 16-Aug-2018
6, 45.29, 19.2, 68, 742, 00 , 09:30:03, 16-Aug-2018
7, 47.17, 19.8, 67, 742, 00 , 09:45:03, 16-Aug-2018
8, 46.53, 20.5, 67, 742, 00 , 10:00:03, 16-Aug-2018
9, 49.09, 21.4, 63, 742, 00 , 10:15:03, 16-Aug-2018
10, 49.85, 22.5, 63, 742, 00 , 10:30:03, 16-Aug-2018
11, 50.84, 23.6, 62, 742, 00 , 10:45:03, 16-Aug-2018
12, 54.00, 25.2, 56, 742, 00 , 11:00:03, 16-Aug-2018
13, 53.54, 27.2, 55, 742, 00 , 11:15:03, 16-Aug-2018
14, 56.61, 29.0, 46, 742, 00 , 11:30:03, 16-Aug-2018
15, 55.20, 30.5, 41, 742, 00 , 11:45:03, 16-Aug-2018
16, 54.48, 31.8, 39, 742, 00 , 12:00:03, 16-Aug-2018
17, 54.83, 33.0, 37, 742, 00 , 12:15:03, 16-Aug-2018
18, 52.72, 34.0, 33, 742, 00 , 12:30:03, 16-Aug-2018
19, 50.88, 34.8, 32, 742, 00 , 12:45:03, 16-Aug-2018
20, 53.39, 35.6, 27, 742, 00 , 13:00:03, 16-Aug-2018
21, 50.80, 35.9, 25, 742, 00 , 13:15:03, 16-Aug-2018
22, 48.93, 36.2, 21, 742, 00 , 13:30:03, 16-Aug-2018
23, 49.87, 35.8, 24, 742, 00 , 13:45:03, 16-Aug-2018
24, 48.28, 35.4, 31, 742, 00 , 14:00:03, 16-Aug-2018
25, 48.85, 35.7, 30, 742, 00 , 14:15:03, 16-Aug-2018
26, 48.79, 35.4, 31, 742, 00 , 14:30:03, 16-Aug-2018
27, 48.09, 34.9, 32, 742, 00 , 14:45:03, 16-Aug-2018
28, 46.98, 33.9, 33, 742, 00 , 15:00:03, 16-Aug-2018
29, 46.16, 34.4, 31, 740, 00 , 15:15:03, 16-Aug-2018
30, 45.76, 36.9, 25, 740, 00 , 15:30:03, 16-Aug-2018
31, 46.56, 38.9, 18, 740, 00 , 15:45:03, 16-Aug-2018
32, 46.01, 40.0, 19, 740, 00 , 16:00:03, 16-Aug-2018
33, 45.95, 39.3, 18, 740, 00 , 16:15:03, 16-Aug-2018
34, 46.07, 38.5, 21, 740, 00 , 16:30:03, 16-Aug-2018
35, 46.74, 40.2, 18, 740, 00 , 16:45:03, 16-Aug-2018
36, 46.61, 41.2, 14, 740, 00 , 17:00:03, 16-Aug-2018
37, 43.97, 41.1, 14, 740, 00 , 17:15:03, 16-Aug-2018

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"Avg point ", 48.019910
"ALARM ", "INSTANT "
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3, 34.18, 23.6, 63, 742, 00 , 08:45:03, 16-Aug-2018
4, 37.63, 24.8, 60, 742, 00 , 09:00:03, 16-Aug-2018
5, 62.69, 26.0, 57, 742, 02 , 09:15:03, 16-Aug-2018
6, 38.42, 26.9, 56, 742, 00 , 09:30:03, 16-Aug-2018
7, 130.86, 28.1, 53, 742, 00 , 09:45:03, 16-Aug-2018
8, 48.37, 29.4, 50, 742, 00 , 10:00:03, 16-Aug-2018
9, 37.16, 30.4, 48, 742, 00 , 10:15:03, 16-Aug-2018
10, 37.61, 31.5, 47, 742, 00 , 10:30:03, 16-Aug-2018
11, 38.45, 31.8, 45, 742, 00 , 10:45:03, 16-Aug-2018
12, 43.38, 32.2, 45, 742, 00 , 11:00:03, 16-Aug-2018
13, 72.46, 32.7, 44, 742, 00 , 11:15:03, 16-Aug-2018
14, 44.67, 32.6, 44, 742, 00 , 11:30:03, 16-Aug-2018
15, 39.06, 32.8, 43, 742, 00 , 11:45:03, 16-Aug-2018
16, 47.51, 33.3, 43, 742, 00 , 12:00:03, 16-Aug-2018
17, 44.30, 33.7, 42, 742, 00 , 12:15:03, 16-Aug-2018
18, 83.16, 34.0, 40, 740, 02 , 12:30:03, 16-Aug-2018
19, 45.88, 34.3, 38, 740, 00 , 12:45:03, 16-Aug-2018
20, 115.82, 35.0, 37, 740, 00 , 13:00:03, 16-Aug-2018
21, 165.44, 35.9, 37, 740, 00 , 13:15:03, 16-Aug-2018
22, 38.73, 36.9, 35, 740, 00 , 13:30:03, 16-Aug-2018
23, 36.94, 36.9, 35, 740, 00 , 13:45:03, 16-Aug-2018
24, 32.79, 36.5, 35, 740, 00 , 14:00:03, 16-Aug-2018
25, 33.64, 36.6, 37, 740, 00 , 14:15:03, 16-Aug-2018
26, 57.80, 36.1, 37, 740, 00 , 14:30:03, 16-Aug-2018
27, 31.17, 35.5, 38, 740, 00 , 14:45:03, 16-Aug-2018
28, 30.83, 34.8, 37, 740, 00 , 15:00:03, 16-Aug-2018
29, 33.26, 35.4, 38, 740, 00 , 15:15:03, 16-Aug-2018
30, 29.19, 36.6, 34, 740, 00 , 15:30:03, 16-Aug-2018
31, 28.96, 37.6, 33, 740, 00 , 15:45:03, 16-Aug-2018
32, 29.41, 38.2, 32, 740, 00 , 16:00:03, 16-Aug-2018
33, 28.29, 37.7, 34, 740, 00 , 16:15:03, 16-Aug-2018
34, 28.76, 37.1, 35, 740, 00 , 16:30:03, 16-Aug-2018
35, 27.66, 37.8, 33, 740, 00 , 16:45:03, 16-Aug-2018
36, 28.09, 38.0, 33, 740, 00 , 17:00:03, 16-Aug-2018
37, 25.95, 38.1, 33, 740, 00 , 17:15:03, 16-Aug-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 16-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 16-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 15	Unit 12	Unit 11	Unit 13 UW	Unit 14	Threshold	Trigger
2018-08-16 08:45:00	-4.08	5.81	3.29	34.05	-2.59	150	100
2018-08-16 09:00:00	-5.47	2.53	2.19	34.1	-4.49	150	100
2018-08-16 09:15:00	-2.95	3.09	3.34	32.21	-2.92	150	100
2018-08-16 09:30:00	-5.07	5.5	6.99	34.03	-4.43	150	100
2018-08-16 09:45:00	-9.65	-1.6	-3.64	41.89	-11.24	150	100
2018-08-16 10:00:00	-4.52	7.6	5.36	34.26	-3.51	150	100
2018-08-16 10:15:00	-3.76	8.71	5.64	34.22	-3.94	150	100
2018-08-16 10:30:00	-4.05	9.39	5.55	34.17	-3.38	150	100
2018-08-16 10:45:00	-3.03	11.41	5.69	34.39	-1.95	150	100
2018-08-16 11:00:00	-6.12	39.77	8.03	37.68	-4.87	150	100
2018-08-16 11:15:00	-1.74	14.6	7.89	34.79	-1.68	150	100
2018-08-16 11:30:00	-14.91	44.99	6.57	47.01	-10.51	150	100
2018-08-16 11:45:00	2.93	13.33	6.37	34.64	-1.31	150	100
2018-08-16 12:00:00	-0.74	19.15	12.43	33.69	-1.15	150	100
2018-08-16 12:15:00	-0.73	13.43	5.86	33.39	-1.1	150	100
2018-08-16 12:30:00	-1.48	12.34	5.45	32.53	-1.69	150	100
2018-08-16 12:45:00	-0.86	11.36	5.21	31.18	-1.73	150	100
2018-08-16 13:00:00	-0.85	11.28	5.26	29.97	-2.28	150	100
2018-08-16 13:15:00	-0.85	33	19.86	29.45	3.34	150	100
2018-08-16 13:30:00	2.21	17.76	8.87	27.73	8.62	150	100
2018-08-16 13:45:00	-3.11	16.97	6.08	29.45	-3.39	150	100
2018-08-16 14:00:00	-3.68	9.13	4.09	29.59	-4.22	150	100
2018-08-16 14:15:00	-4.14	8.61	3.82	29.73	-4.95	150	100
2018-08-16 14:30:00	-4.03	9.37	8.62	29.54	-4.8	150	100
2018-08-16 14:45:00	-8.92	11.64	1.62	36.83	-10.3	150	100
2018-08-16 15:00:00	3.99	20.51	27.08	30.87	-1.01	150	100
2018-08-16 15:15:00	3.47	8.97	5.65	29.08	-3.97	150	100
2018-08-16 15:30:00	-4.25	18.14	12.99	29.3	-0.59	150	100
2018-08-16 15:45:00	2.76	8.64	3.43	26.9	-6.31	150	100
2018-08-16 16:00:00	-2.84	8.15	3.65	26.8	-7	150	100
2018-08-16 16:15:00	4.34	10.47	6.11	27.28	-5.76	150	100
2018-08-16 16:30:00	4.8	8.97	3.99	27.33	-6.93	150	100
2018-08-16 16:45:00	6.22	8.18	3.31	27.22	-6.99	150	100
2018-08-16 17:00:00	0.42	7.82	2.57	26.14	-7.92	150	100
2018-08-16 17:15:00	5.84	8.12	3.05	25.56	-3.98	150	100
2018-08-16 17:30:00						150	100

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"RH CORRECT ", "ENABLED "
"Max Disp   ", 118.643832
"Max Disp @ ", 16:34:34 16-Aug-2018
"Max STEL   ", 40.985742
"Max STEL @ ", 15:09:43 16-Aug-2018
"Avg point ", 29.884727
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 29.97, 21.5, 63, 742, 01 , 08:45:03, 16-Aug-2018
2, 28.63, 22.2, 63, 742, 00 , 09:00:03, 16-Aug-2018
3, 29.26, 22.2, 62, 742, 00 , 09:15:03, 16-Aug-2018
4, 28.96, 22.2, 63, 742, 00 , 09:30:03, 16-Aug-2018
5, 32.24, 22.5, 64, 742, 00 , 09:45:03, 16-Aug-2018
6, 29.74, 23.2, 64, 742, 00 , 10:00:03, 16-Aug-2018
7, 30.46, 23.9, 62, 742, 00 , 10:15:03, 16-Aug-2018
8, 30.12, 24.6, 61, 742, 00 , 10:30:03, 16-Aug-2018
9, 31.36, 25.0, 60, 742, 00 , 10:45:03, 16-Aug-2018
10, 31.56, 25.5, 59, 742, 00 , 11:00:03, 16-Aug-2018
11, 33.05, 26.0, 58, 742, 00 , 11:15:03, 16-Aug-2018
12, 32.10, 26.5, 57, 742, 00 , 11:30:03, 16-Aug-2018
13, 37.57, 26.9, 56, 742, 00 , 11:45:03, 16-Aug-2018
14, 32.95, 27.5, 53, 742, 00 , 12:00:03, 16-Aug-2018
15, 32.66, 27.9, 53, 742, 00 , 12:15:03, 16-Aug-2018
16, 31.05, 28.7, 52, 742, 00 , 12:30:03, 16-Aug-2018
17, 30.32, 29.8, 47, 742, 00 , 12:45:03, 16-Aug-2018
18, 29.12, 31.6, 42, 742, 00 , 13:00:03, 16-Aug-2018
19, 28.60, 33.8, 36, 742, 00 , 13:15:03, 16-Aug-2018
20, 29.94, 35.8, 30, 742, 00 , 13:30:03, 16-Aug-2018
21, 26.34, 36.5, 30, 742, 00 , 13:45:03, 16-Aug-2018
22, 25.91, 36.7, 33, 742, 00 , 14:00:03, 16-Aug-2018
23, 25.59, 37.5, 31, 742, 00 , 14:15:03, 16-Aug-2018
24, 25.51, 36.9, 33, 742, 00 , 14:30:03, 16-Aug-2018
25, 27.91, 35.8, 35, 742, 00 , 14:45:03, 16-Aug-2018
26, 34.86, 34.6, 35, 742, 00 , 15:00:03, 16-Aug-2018
27, 32.55, 35.2, 33, 740, 00 , 15:15:03, 16-Aug-2018
28, 25.05, 38.3, 26, 740, 00 , 15:30:03, 16-Aug-2018
29, 29.66, 39.8, 24, 740, 00 , 15:45:03, 16-Aug-2018
30, 23.96, 39.2, 24, 740, 00 , 16:00:03, 16-Aug-2018
31, 31.62, 36.9, 27, 740, 00 , 16:15:03, 16-Aug-2018
32, 32.13, 34.9, 31, 740, 00 , 16:30:03, 16-Aug-2018
33, 33.44, 34.4, 33, 740, 00 , 16:45:03, 16-Aug-2018
34, 26.56, 33.8, 33, 740, 00 , 17:00:03, 16-Aug-2018
35, 31.40, 33.2, 36, 740, 00 , 17:15:03, 16-Aug-2018
36, 23.73, 32.2, 40, 740, 00 , 17:30:03, 16-Aug-2018

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"RH CORRECT ", "ENABLED "
"Max Disp   ", 501.820755
"Max Disp @ ", 10:59:31 16-Aug-2018
"Max STEL   ", 92.076473
"Max STEL @ ", 11:30:43 16-Aug-2018
"Avg point ", 44.690380
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
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"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
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1, 39.86, 19.0, 72, 742, 01 , 08:45:03, 16-Aug-2018
2, 36.63, 19.8, 71, 742, 00 , 09:00:03, 16-Aug-2018
3, 35.30, 20.5, 71, 742, 00 , 09:15:03, 16-Aug-2018
4, 39.53, 21.8, 68, 742, 00 , 09:30:03, 16-Aug-2018
5, 40.29, 23.0, 65, 742, 00 , 09:45:03, 16-Aug-2018
6, 41.86, 24.0, 62, 742, 00 , 10:00:03, 16-Aug-2018
7, 42.93, 24.3, 61, 742, 00 , 10:15:03, 16-Aug-2018
8, 43.56, 25.0, 60, 742, 01 , 10:30:03, 16-Aug-2018
9, 45.80, 26.1, 59, 742, 00 , 10:45:03, 16-Aug-2018
10, 77.45, 27.3, 55, 742, 00 , 11:00:03, 16-Aug-2018
11, 49.39, 28.3, 52, 742, 00 , 11:15:03, 16-Aug-2018
12, 92.00, 29.3, 50, 742, 00 , 11:30:03, 16-Aug-2018
13, 47.97, 30.4, 47, 742, 00 , 11:45:03, 16-Aug-2018
14, 52.84, 30.9, 45, 742, 00 , 12:00:03, 16-Aug-2018
15, 46.82, 31.6, 45, 742, 00 , 12:15:03, 16-Aug-2018
16, 44.87, 32.8, 42, 742, 00 , 12:30:03, 16-Aug-2018
17, 42.54, 34.3, 39, 742, 00 , 12:45:03, 16-Aug-2018
18, 41.25, 35.2, 36, 742, 00 , 13:00:03, 16-Aug-2018
19, 62.45, 35.5, 35, 742, 00 , 13:15:03, 16-Aug-2018
20, 45.49, 36.5, 33, 742, 00 , 13:30:03, 16-Aug-2018
21, 46.42, 36.8, 33, 742, 00 , 13:45:03, 16-Aug-2018
22, 38.72, 36.7, 34, 742, 00 , 14:00:03, 16-Aug-2018
23, 38.34, 38.4, 32, 742, 00 , 14:15:03, 16-Aug-2018
24, 38.91, 38.7, 32, 742, 00 , 14:30:03, 16-Aug-2018
25, 48.47, 38.0, 32, 742, 00 , 14:45:03, 16-Aug-2018
26, 51.38, 35.8, 33, 742, 00 , 15:00:03, 16-Aug-2018
27, 38.05, 35.5, 35, 742, 00 , 15:15:03, 16-Aug-2018
28, 47.44, 38.0, 31, 742, 00 , 15:30:03, 16-Aug-2018
29, 35.54, 39.7, 30, 742, 00 , 15:45:03, 16-Aug-2018
30, 34.95, 40.4, 28, 742, 00 , 16:00:03, 16-Aug-2018
31, 37.75, 39.6, 28, 742, 00 , 16:15:03, 16-Aug-2018
32, 36.30, 37.2, 31, 742, 00 , 16:30:03, 16-Aug-2018
33, 35.40, 38.7, 30, 742, 00 , 16:45:03, 16-Aug-2018
34, 33.96, 40.1, 28, 742, 00 , 17:00:03, 16-Aug-2018
35, 33.68, 39.6, 29, 742, 00 , 17:15:03, 16-Aug-2018

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"RH CORRECT ", "ENABLED "
"Max Disp   ", 385.461311
"Max Disp @ ", 14:55:07 16-Aug-2018
"Max STEL   ", 57.992029
"Max STEL @ ", 14:56:43 16-Aug-2018
"Avg point ", 38.265388
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 37.34, 22.0, 66, 740, 00 , 08:45:03, 16-Aug-2018
2, 36.29, 23.1, 64, 740, 00 , 09:00:03, 16-Aug-2018
3, 35.55, 24.1, 62, 740, 00 , 09:15:03, 16-Aug-2018
4, 41.02, 25.4, 59, 740, 00 , 09:30:03, 16-Aug-2018
5, 38.25, 26.6, 55, 740, 00 , 09:45:03, 16-Aug-2018
6, 39.62, 27.7, 53, 740, 00 , 10:00:03, 16-Aug-2018
7, 39.86, 27.7, 54, 740, 00 , 10:15:03, 16-Aug-2018
8, 39.72, 27.9, 54, 740, 00 , 10:30:03, 16-Aug-2018
9, 40.08, 28.7, 53, 740, 00 , 10:45:03, 16-Aug-2018
10, 45.71, 29.8, 50, 740, 00 , 11:00:03, 16-Aug-2018
11, 42.68, 30.6, 49, 740, 00 , 11:15:03, 16-Aug-2018
12, 53.58, 31.7, 45, 740, 00 , 11:30:03, 16-Aug-2018
13, 41.01, 33.0, 43, 740, 00 , 11:45:03, 16-Aug-2018
14, 46.12, 33.9, 40, 740, 00 , 12:00:03, 16-Aug-2018
15, 39.25, 34.9, 39, 740, 00 , 12:15:03, 16-Aug-2018
16, 37.98, 36.0, 36, 740, 00 , 12:30:03, 16-Aug-2018
17, 36.39, 37.2, 32, 740, 00 , 12:45:03, 16-Aug-2018
18, 35.23, 37.8, 32, 740, 00 , 13:00:03, 16-Aug-2018
19, 49.31, 37.9, 31, 740, 00 , 13:15:03, 16-Aug-2018
20, 36.60, 38.6, 30, 740, 00 , 13:30:03, 16-Aug-2018
21, 35.53, 38.6, 31, 740, 00 , 13:45:03, 16-Aug-2018
22, 33.68, 38.4, 32, 740, 00 , 14:00:03, 16-Aug-2018
23, 33.55, 39.6, 30, 740, 00 , 14:15:03, 16-Aug-2018
24, 38.16, 39.9, 29, 740, 00 , 14:30:03, 16-Aug-2018
25, 38.45, 39.3, 30, 740, 00 , 14:45:03, 16-Aug-2018
26, 57.95, 37.6, 31, 740, 00 , 15:00:03, 16-Aug-2018
27, 34.73, 37.2, 32, 740, 00 , 15:15:03, 16-Aug-2018
28, 42.29, 39.1, 28, 740, 00 , 15:30:03, 16-Aug-2018
29, 30.33, 40.4, 27, 740, 00 , 15:45:03, 16-Aug-2018
30, 30.45, 40.9, 27, 740, 00 , 16:00:03, 16-Aug-2018
31, 33.39, 40.1, 27, 740, 00 , 16:15:03, 16-Aug-2018
32, 31.32, 38.2, 30, 740, 00 , 16:30:03, 16-Aug-2018
33, 30.53, 39.7, 28, 740, 00 , 16:45:03, 16-Aug-2018
34, 28.71, 41.2, 26, 740, 00 , 17:00:03, 16-Aug-2018
35, 28.61, 41.0, 27, 740, 00 , 17:15:03, 16-Aug-2018

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"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 131.959796
"Max Disp @ ", 14:33:35 16-Aug-2018
"Max STEL   ", 47.093592
"Max STEL @ ", 11:30:43 16-Aug-2018
"Avg point ", 31.914020
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 34.05, 24.7, 61, 740, 00 , 08:45:03, 16-Aug-2018
2, 34.10, 26.7, 59, 740, 00 , 09:00:03, 16-Aug-2018
3, 32.21, 28.4, 58, 740, 00 , 09:15:03, 16-Aug-2018
4, 34.03, 30.2, 51, 740, 00 , 09:30:03, 16-Aug-2018
5, 41.89, 32.0, 48, 740, 00 , 09:45:03, 16-Aug-2018
6, 34.26, 33.6, 46, 740, 00 , 10:00:03, 16-Aug-2018
7, 34.22, 34.6, 45, 740, 00 , 10:15:03, 16-Aug-2018
8, 34.17, 35.7, 45, 740, 00 , 10:30:03, 16-Aug-2018
9, 34.39, 37.6, 43, 740, 00 , 10:45:03, 16-Aug-2018
10, 37.68, 39.0, 40, 740, 00 , 11:00:03, 16-Aug-2018
11, 34.79, 39.7, 39, 740, 00 , 11:15:03, 16-Aug-2018
12, 47.01, 40.4, 38, 740, 00 , 11:30:03, 16-Aug-2018
13, 34.64, 40.3, 36, 740, 00 , 11:45:03, 16-Aug-2018
14, 33.69, 40.4, 37, 740, 00 , 12:00:03, 16-Aug-2018
15, 33.39, 40.6, 37, 740, 00 , 12:15:03, 16-Aug-2018
16, 32.53, 40.6, 38, 740, 00 , 12:30:03, 16-Aug-2018
17, 31.18, 40.8, 36, 740, 00 , 12:45:03, 16-Aug-2018
18, 29.97, 41.1, 33, 740, 00 , 13:00:03, 16-Aug-2018
19, 29.45, 41.3, 26, 740, 00 , 13:15:03, 16-Aug-2018
20, 27.73, 41.0, 33, 740, 00 , 13:30:03, 16-Aug-2018
21, 29.45, 40.6, 36, 740, 00 , 13:45:03, 16-Aug-2018
22, 29.59, 39.6, 38, 740, 00 , 14:00:03, 16-Aug-2018
23, 29.73, 39.3, 40, 740, 00 , 14:15:03, 16-Aug-2018
24, 29.54, 38.6, 42, 740, 00 , 14:30:03, 16-Aug-2018
25, 36.83, 37.4, 43, 740, 00 , 14:45:03, 16-Aug-2018
26, 30.87, 36.5, 42, 740, 00 , 15:00:03, 16-Aug-2018
27, 29.08, 37.1, 42, 740, 00 , 15:15:03, 16-Aug-2018
28, 29.30, 38.7, 40, 740, 00 , 15:30:03, 16-Aug-2018
29, 26.90, 39.4, 37, 740, 00 , 15:45:03, 16-Aug-2018
30, 26.80, 39.1, 36, 740, 00 , 16:00:03, 16-Aug-2018
31, 27.28, 38.5, 37, 740, 00 , 16:15:03, 16-Aug-2018
32, 27.33, 37.1, 40, 740, 00 , 16:30:03, 16-Aug-2018
33, 27.22, 37.4, 42, 740, 00 , 16:45:03, 16-Aug-2018
34, 26.14, 37.6, 40, 740, 00 , 17:00:03, 16-Aug-2018
35, 25.56, 37.1, 40, 740, 00 , 17:15:03, 16-Aug-2018

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 13:28:55 16-Aug-2018
"Max STEL   ", 37.523868
"Max STEL @ ", 11:42:33 16-Aug-2018
"Avg point ", 27.893090
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 31.46, 19.5, 66, 742, 01 , 08:45:03, 16-Aug-2018
2, 29.61, 19.6, 70, 742, 00 , 09:00:03, 16-Aug-2018
3, 29.29, 19.9, 69, 742, 00 , 09:15:03, 16-Aug-2018
4, 29.60, 20.2, 69, 742, 00 , 09:30:03, 16-Aug-2018
5, 30.65, 20.8, 68, 742, 00 , 09:45:03, 16-Aug-2018
6, 30.75, 21.5, 68, 742, 00 , 10:00:03, 16-Aug-2018
7, 30.28, 22.0, 67, 742, 00 , 10:15:03, 16-Aug-2018
8, 30.79, 22.5, 66, 742, 00 , 10:30:03, 16-Aug-2018
9, 32.44, 23.2, 64, 742, 00 , 10:45:03, 16-Aug-2018
10, 32.81, 23.8, 62, 742, 00 , 11:00:03, 16-Aug-2018
11, 33.11, 24.5, 61, 742, 00 , 11:15:03, 16-Aug-2018
12, 36.50, 25.2, 59, 742, 00 , 11:30:03, 16-Aug-2018
13, 33.33, 26.2, 56, 742, 00 , 11:45:03, 16-Aug-2018
14, 32.54, 27.3, 52, 742, 00 , 12:00:03, 16-Aug-2018
15, 32.29, 28.2, 51, 742, 00 , 12:15:03, 16-Aug-2018
16, 30.84, 29.1, 48, 742, 00 , 12:30:03, 16-Aug-2018
17, 29.45, 29.9, 44, 742, 00 , 12:45:03, 16-Aug-2018
18, 27.69, 30.7, 40, 742, 00 , 13:00:03, 16-Aug-2018
19, 32.79, 31.4, 38, 742, 00 , 13:15:03, 16-Aug-2018
20, 36.35, 32.0, 36, 742, 00 , 13:30:03, 16-Aug-2018
21, 26.06, 32.5, 37, 742, 00 , 13:45:03, 16-Aug-2018
22, 25.37, 32.7, 38, 742, 00 , 14:00:03, 16-Aug-2018
23, 24.78, 33.1, 36, 742, 00 , 14:15:03, 16-Aug-2018
24, 24.74, 33.0, 38, 742, 00 , 14:30:03, 16-Aug-2018
25, 26.53, 32.6, 40, 742, 00 , 14:45:03, 16-Aug-2018
26, 29.86, 32.1, 39, 742, 00 , 15:00:03, 16-Aug-2018
27, 25.11, 33.2, 34, 742, 00 , 15:15:03, 16-Aug-2018
28, 28.71, 36.4, 27, 740, 00 , 15:30:03, 16-Aug-2018
29, 20.59, 38.4, 25, 740, 00 , 15:45:03, 16-Aug-2018
30, 19.80, 39.0, 22, 740, 00 , 16:00:03, 16-Aug-2018
31, 21.52, 39.1, 21, 740, 00 , 16:15:03, 16-Aug-2018
32, 20.40, 37.3, 26, 740, 00 , 16:30:03, 16-Aug-2018
33, 20.23, 38.6, 24, 740, 00 , 16:45:03, 16-Aug-2018
34, 18.22, 40.2, 20, 740, 00 , 17:00:03, 16-Aug-2018
35, 21.58, 40.2, 21, 740, 00 , 17:15:03, 16-Aug-2018
36, 18.08, 38.1, 25, 740, 00 , 17:30:03, 16-Aug-2018

DAILY OBSERVATION REPORT

Report No.:	69	Project File:	MN0832D	Date:	08/17/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Jim Burnett

Site Representative: Matt Schallinger

Arrive at Site: 0645hrs. Leave Site: 1845 hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Light Rain	am	Mostly Cloudy	Pm
Temperature:	61° F	am	85° F	Pm
Wind Direction:	3 SW	am	13 SW	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 69 Project File: MN0832D Date: 08/17/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 15 Total Loads to date: 403

Weight: ~20 tons/each Total Weight to date: ~9290 Tons

Non Haz Soil Removal:

Total Loads today: 19 Total Loads to date: 249

Weight: 20-33 tons/each Total Weight to date: ~5879 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: Tons Total Weight to date: 175 Tons

Imported Common Fill:

Total Loads today: 22 Total Loads to date: ~1159

Weight: ~21 Tons/each Total Weight to date: ~9467 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	69	Project File:	MN0832D	Date:	08/17/2018

Summary of Events

AM

- Geosyntec arrived on site at 0645. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed work plan for the day. There is a potential for afternoon rain.
- Geosyntec calibrated and deployed dust monitors once the morning rain ceased.
- School contractor continued working within phase 1.
- RECON provided Geosyntec with the manifests for the haz, elevated lead-containing, PCBs contaminated soil that will be sent to Envirosafe in Oregon, OH.
- Atlantic Testing was onsite for concrete testing in phase one and for potential compaction testing.
- Because of the morning rain and the highly trafficked, constricted backfill construction area, Geosyntec called off the performance of any in-place, moisture-density testing (by an ATL technician) of today's backfill. Geosyntec's observations of RECON's backfill construction methods, including the equipment used, indicated that the methods were the same as those previously employed to achieve the Spec Section 02055 (Soils) requirement of at least 95 percent degree of compaction of the backfill.
- Approximately 5,000 gallons of water was removed from an onsite frac tank for disposal at an approved facility in Lancaster, PA.
- TSCA material shipping from RPL continued through the morning and into the early afternoon.
- Recon continued to backfill and compact in the SE corner of the RPL using reuse material and item 4.
- Non-hazardous material loadout continued in the MSA.
- Recon continues to spray water around the site multiple times during the day.
- 15 truckloads of TSCA material were sent offsite.

PM

- Scott Williams of DEC onsite.
- Recon continued to backfill in the SE corner of the RPL with focus on restoring the access road. Recon also backfilled and compacted a small section the western portion of phase 2.
- RECON mobilized another approx 21,000-gal capacity FRAC tank to the site this afternoon and set it up just south of the RPL wheel wash. Geosyntec collected the dust monitors and analyzed the data.
- The access road to the RPL was restored with compacted backfill.
- A total of 19 loads of non-hazardous material was loaded for offsite shipment from the MSA.
- A nearby lighting strike occurred approximated 7 miles from the site at 1715. A mandatory shut down was implemented and work stopped for the day.
- No dust exceedances occurred today.
- Geosyntec shut down and left site around 1745.

Report No.: 69 Project File: MN0832D Date: 08/17/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Rich Tonnucour
- (Recon labor) X17

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- CAT 725 Haul truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	DEC	Yes
Tim Cleary	Atlantic Testing	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: 8/24/18

ITEMS OF CONCERN:

None.

DAILY OBSERVATION REPORT

Report No.:	69	Project File:	MN0832D	Date:	08/17/2018

Site Representative: Matt Schallinger

Name (Signature):



Report No.:	69	Project File:	MN0832D	Date:	08/17/2018

Photo Log
Date : 08/17/2018

	
Rolling and compacting the backfill.	Recon washing haul trucks at the RPL truck wash.
	
Spreading the backfill in the RPL.	Site view at end of the day.

DAILY OBSERVATION REPORT

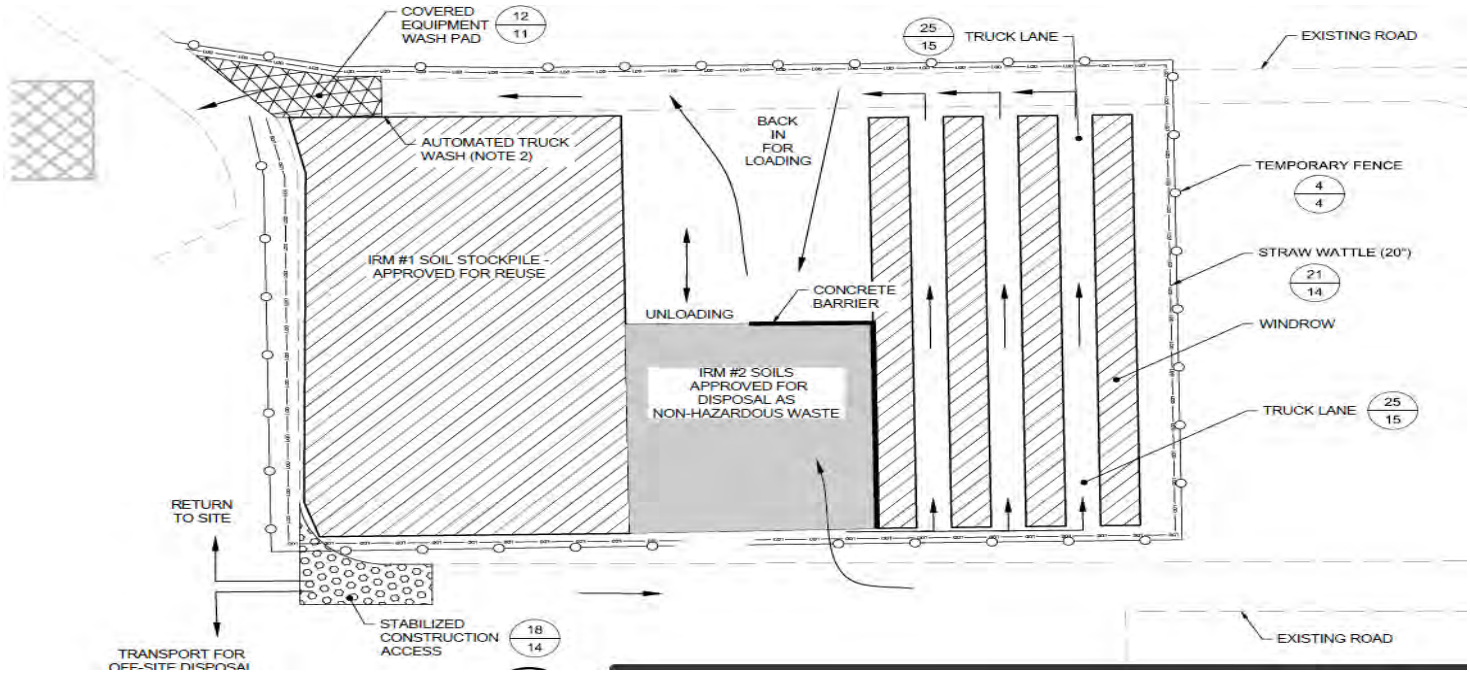
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Site Map

Rear Parking Lot

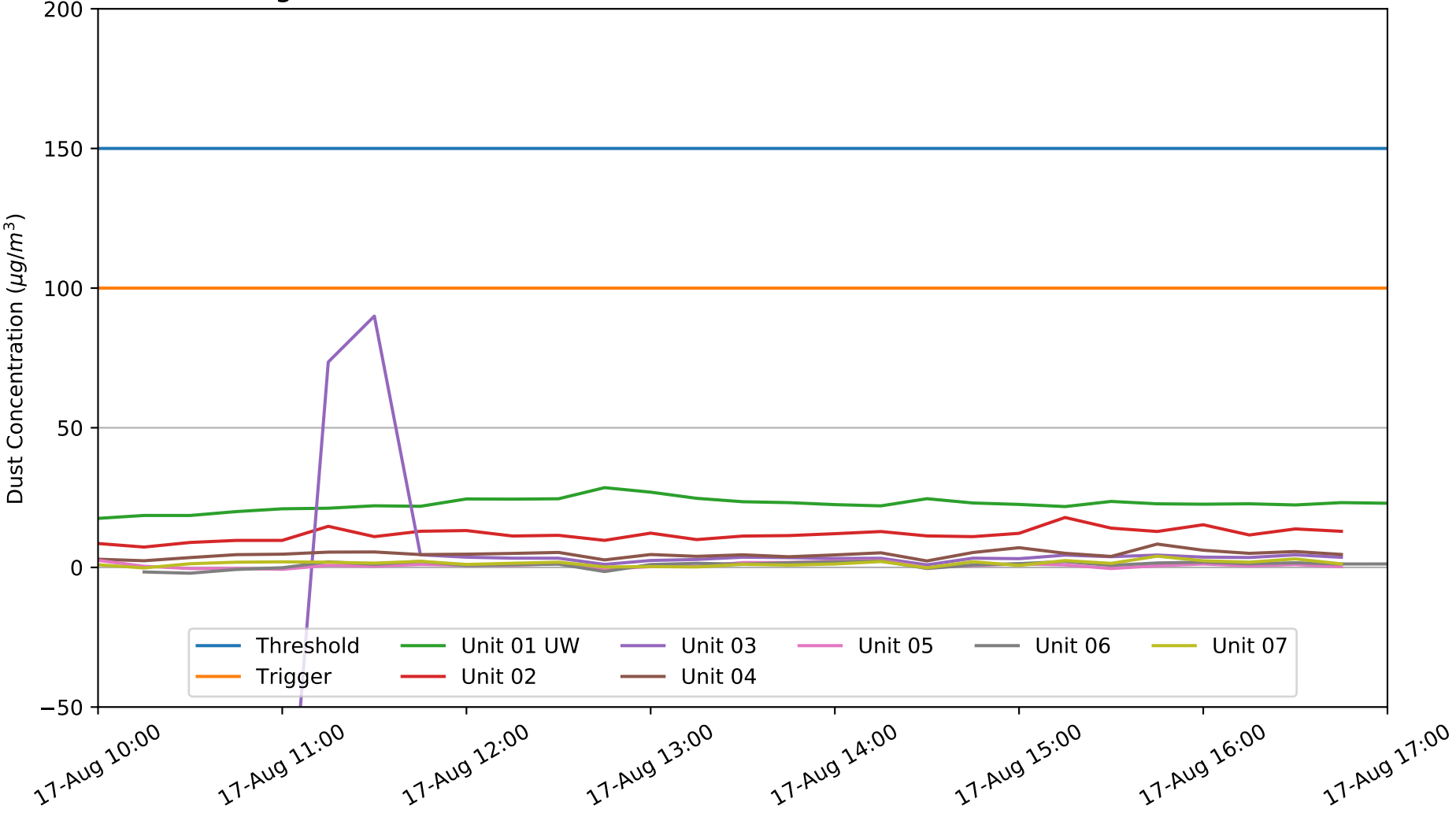


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 17-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 17-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 05	Unit 03	Unit 01 UW	Unit 06	Unit 02	Unit 07	Unit 04	Threshold	Trigger
2018-08-17 10:00:00	2.52	-204.88	17.55		8.55	0.95	2.93	150	100
2018-08-17 10:15:00	0.41	-227.72	18.6	-1.64	7.28	-0.2	2.38	150	100
2018-08-17 10:30:00	-0.43	-243.84	18.59	-2.08	8.93	1.31	3.52	150	100
2018-08-17 10:45:00	-0.38	-251.4	19.98	-0.74	9.66	1.86	4.56	150	100
2018-08-17 11:00:00	-0.69	-130.5	20.98	-0.13	9.67	1.99	4.73	150	100
2018-08-17 11:15:00	0.74	73.54	21.19	2	14.71	1.86	5.47	150	100
2018-08-17 11:30:00	0.43	89.98	22.06	1.1	11.02	1.53	5.53	150	100
2018-08-17 11:45:00	1.05	4.51	21.88	2.14	12.94	2.19	4.59	150	100
2018-08-17 12:00:00	0.73	3.65	24.51	0.68	13.19	1.05	4.73	150	100
2018-08-17 12:15:00	0.75	3.3	24.44	0.94	11.24	1.48	5	150	100
2018-08-17 12:30:00	1.3	3.29	24.57	1.16	11.48	1.87	5.36	150	100
2018-08-17 12:45:00	-0.59	1.07	28.55	-1.49	9.68	0.16	2.68	150	100
2018-08-17 13:00:00	0.25	2.47	26.94	1.02	12.27	0.29	4.61	150	100
2018-08-17 13:15:00	0.3	2.84	24.73	1.46	9.96	0.14	3.96	150	100
2018-08-17 13:30:00	1.73	3.65	23.51	1.16	11.22	1.1	4.51	150	100
2018-08-17 13:45:00	1.77	3.48	23.19	1.67	11.39	0.81	3.81	150	100
2018-08-17 14:00:00	2.26	3.19	22.48	1.97	12.07	1.21	4.47	150	100
2018-08-17 14:15:00	2.58	3.27	22.03	2.33	12.84	2.09	5.22	150	100
2018-08-17 14:30:00	-0.08	0.91	24.6	-0.4	11.27	-0.15	2.31	150	100
2018-08-17 14:45:00	0.67	3.3	23.06	0.84	11.02	2.04	5.34	150	100
2018-08-17 15:00:00	1.24	3.12	22.55	1.35	12.2	0.69	7.06	150	100
2018-08-17 15:15:00	0.9	4.39	21.78	2.1	17.87	2.45	5.05	150	100
2018-08-17 15:30:00	-0.41	3.83	23.62	0.72	14.06	1.44	3.93	150	100
2018-08-17 15:45:00	0.58	4.41	22.77	1.59	12.86	4.01	8.35	150	100
2018-08-17 16:00:00	1.21	3.68	22.63	1.89	15.27	2.37	6.14	150	100
2018-08-17 16:15:00	0.55	3.54	22.78	1.28	11.61	1.88	5.03	150	100
2018-08-17 16:30:00	1.02	4.48	22.36	1.65	13.78	3.04	5.68	150	100
2018-08-17 16:45:00	0.22	3.61	23.19	1.22	12.92	1.26	4.64	150	100
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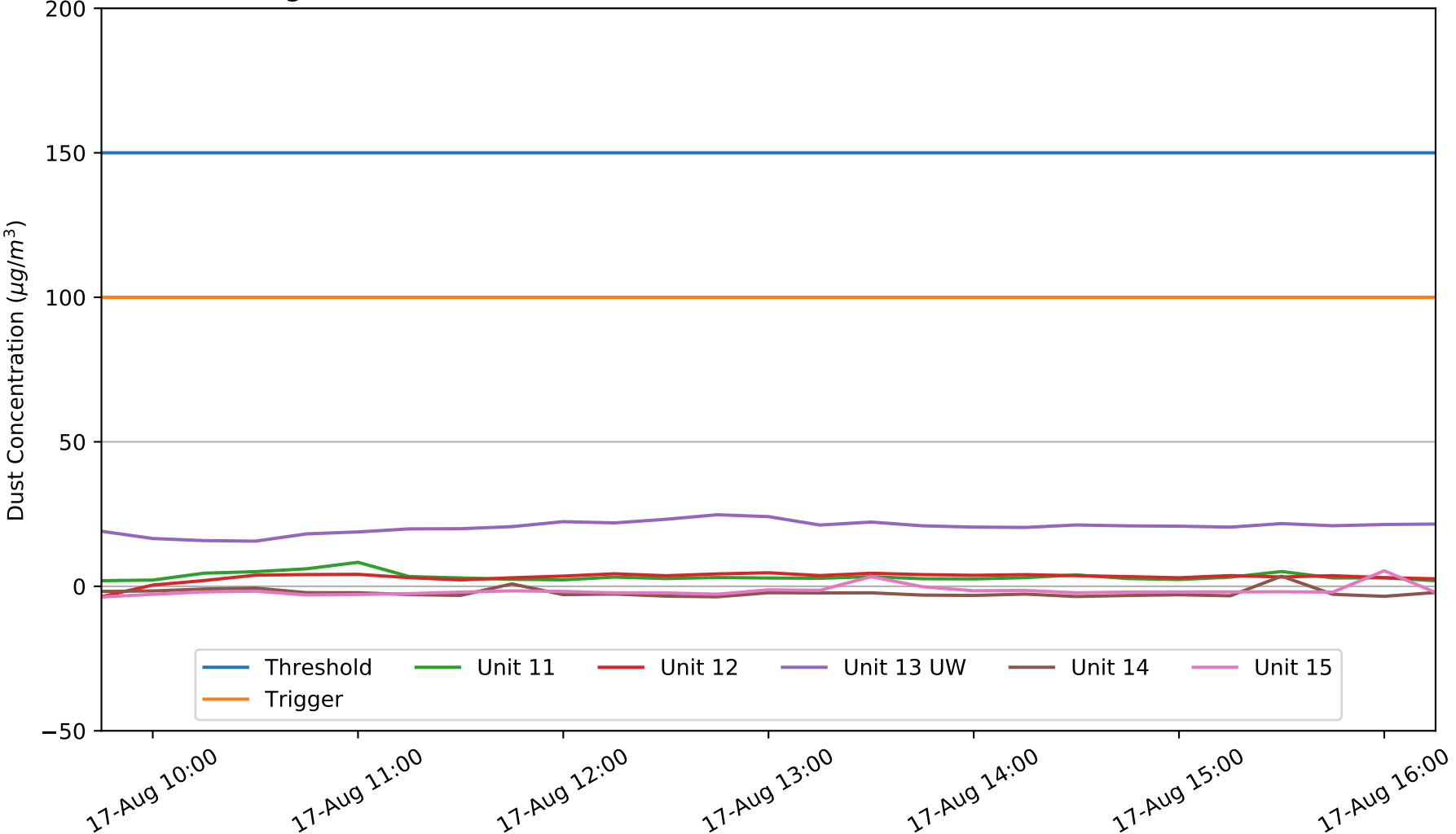
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15, 34.73, 31.2, 37, 738, 00 , 13:40:00, 17-Aug-2018
16, 34.58, 31.6, 36, 738, 00 , 13:55:00, 17-Aug-2018
17, 34.55, 31.6, 37, 738, 00 , 14:10:00, 17-Aug-2018
18, 34.87, 31.7, 36, 738, 00 , 14:25:00, 17-Aug-2018
19, 35.87, 31.1, 38, 738, 00 , 14:40:00, 17-Aug-2018
20, 34.08, 30.4, 40, 738, 00 , 14:55:00, 17-Aug-2018
21, 34.75, 29.8, 42, 738, 00 , 15:10:00, 17-Aug-2018
22, 39.65, 30.1, 42, 738, 00 , 15:25:00, 17-Aug-2018
23, 37.68, 30.0, 42, 738, 00 , 15:40:00, 17-Aug-2018
24, 35.63, 30.2, 41, 738, 00 , 15:55:00, 17-Aug-2018
25, 37.90, 30.0, 41, 738, 00 , 16:10:00, 17-Aug-2018
26, 34.39, 29.5, 43, 738, 00 , 16:25:00, 17-Aug-2018
27, 36.14, 30.0, 42, 738, 00 , 16:40:00, 17-Aug-2018
28, 36.11, 30.5, 41, 736, 00 , 16:55:00, 17-Aug-2018

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"Unit ", 0
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"RH CORRECT ", "ENABLED "
"Max Disp ", 116.731167
"Max Disp @ ", 09:58:49 17-Aug-2018
"Max STEL ", 28.805254
"Max STEL @ ", 13:00:48 17-Aug-2018
"Avg point ", 24.137802
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"Errors ", 0000
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"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 18.50, 26.1, 72, 738, 02 , 10:13:48, 17-Aug-2018
2, 18.40, 27.0, 71, 738, 00 , 10:28:48, 17-Aug-2018
3, 19.90, 27.8, 67, 738, 00 , 10:43:48, 17-Aug-2018
4, 21.84, 29.0, 62, 738, 00 , 10:58:48, 17-Aug-2018
5, 22.97, 30.7, 58, 738, 00 , 11:13:48, 17-Aug-2018
6, 23.05, 32.0, 53, 738, 00 , 11:28:48, 17-Aug-2018
7, 23.59, 32.1, 52, 738, 00 , 11:43:48, 17-Aug-2018
8, 24.07, 32.0, 52, 738, 00 , 11:58:48, 17-Aug-2018
9, 25.56, 31.4, 54, 738, 00 , 12:13:48, 17-Aug-2018
10, 25.92, 31.4, 55, 738, 00 , 12:28:48, 17-Aug-2018
11, 26.44, 31.6, 54, 738, 00 , 12:43:48, 17-Aug-2018
12, 28.71, 31.9, 53, 736, 00 , 12:58:48, 17-Aug-2018
13, 27.23, 32.3, 53, 736, 00 , 13:13:48, 17-Aug-2018
14, 24.87, 33.2, 50, 736, 00 , 13:28:48, 17-Aug-2018
15, 24.61, 34.1, 49, 736, 00 , 13:43:48, 17-Aug-2018
16, 24.00, 35.0, 47, 736, 00 , 13:58:48, 17-Aug-2018
17, 23.69, 35.4, 47, 736, 00 , 14:13:48, 17-Aug-2018
18, 24.12, 35.7, 46, 736, 00 , 14:28:48, 17-Aug-2018
19, 24.45, 34.8, 47, 736, 00 , 14:43:48, 17-Aug-2018
20, 25.10, 33.9, 49, 736, 00 , 14:58:48, 17-Aug-2018
21, 23.24, 33.4, 53, 736, 00 , 15:13:48, 17-Aug-2018
22, 24.23, 33.9, 50, 736, 00 , 15:28:48, 17-Aug-2018
23, 25.06, 33.5, 51, 736, 00 , 15:43:48, 17-Aug-2018
24, 26.78, 33.9, 50, 736, 00 , 15:58:48, 17-Aug-2018
25, 25.00, 33.4, 52, 736, 00 , 16:13:48, 17-Aug-2018
26, 24.66, 32.9, 53, 736, 00 , 16:28:48, 17-Aug-2018
27, 25.40, 33.9, 51, 736, 00 , 16:43:48, 17-Aug-2018
28, 24.45, 34.3, 50, 736, 00 , 16:58:48, 17-Aug-2018

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"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 42.919354
"Max Disp @ ", 15:49:45 17-Aug-2018
"Max STEL ", 32.346401
"Max STEL @ ", 15:55:06 17-Aug-2018
"Avg point ", 27.383151
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 20.48, 25.1, 75, 740, 01 , 10:07:46, 17-Aug-2018
2, 20.98, 26.7, 72, 740, 00 , 10:22:46, 17-Aug-2018
3, 22.11, 28.3, 66, 740, 00 , 10:37:46, 17-Aug-2018
4, 24.54, 30.6, 59, 740, 00 , 10:52:46, 17-Aug-2018
5, 25.71, 33.6, 50, 740, 00 , 11:07:46, 17-Aug-2018
6, 26.66, 35.7, 44, 738, 00 , 11:22:46, 17-Aug-2018
7, 27.59, 36.5, 41, 738, 00 , 11:37:46, 17-Aug-2018
8, 26.47, 36.0, 41, 738, 00 , 11:52:46, 17-Aug-2018
9, 29.24, 35.1, 43, 738, 00 , 12:07:46, 17-Aug-2018
10, 29.44, 33.9, 46, 738, 00 , 12:22:46, 17-Aug-2018
11, 29.93, 34.4, 46, 738, 00 , 12:37:46, 17-Aug-2018
12, 31.23, 35.3, 43, 738, 00 , 12:52:46, 17-Aug-2018
13, 31.55, 35.1, 44, 738, 00 , 13:07:46, 17-Aug-2018
14, 28.69, 35.6, 43, 738, 00 , 13:22:46, 17-Aug-2018
15, 28.02, 37.1, 41, 738, 00 , 13:37:46, 17-Aug-2018
16, 27.00, 37.3, 40, 738, 00 , 13:52:46, 17-Aug-2018
17, 26.95, 37.2, 41, 738, 00 , 14:07:46, 17-Aug-2018
18, 27.25, 37.2, 41, 738, 00 , 14:22:46, 17-Aug-2018
19, 26.91, 36.4, 42, 738, 00 , 14:37:46, 17-Aug-2018
20, 28.40, 35.3, 44, 738, 00 , 14:52:46, 17-Aug-2018
21, 29.61, 34.4, 47, 738, 00 , 15:07:46, 17-Aug-2018
22, 26.83, 34.2, 49, 738, 00 , 15:22:46, 17-Aug-2018
23, 27.55, 33.9, 48, 738, 00 , 15:37:46, 17-Aug-2018
24, 31.12, 33.8, 49, 738, 00 , 15:52:46, 17-Aug-2018
25, 28.77, 33.8, 49, 736, 00 , 16:07:46, 17-Aug-2018
26, 27.81, 33.1, 51, 736, 00 , 16:22:46, 17-Aug-2018
27, 28.04, 33.1, 51, 736, 00 , 16:37:46, 17-Aug-2018
28, 27.83, 33.7, 50, 736, 00 , 16:52:46, 17-Aug-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 17-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 17-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 12	Unit 15	Unit 14	Unit 11	Unit 13 UW	Threshold	Trigger
2018-08-17 09:45:00	-3.6	-3.68	-1.77	1.94	19.04	150	100
2018-08-17 10:00:00	0.43	-2.77	-1.6	2.16	16.54	150	100
2018-08-17 10:15:00	1.99	-1.93	-0.93	4.54	15.81	150	100
2018-08-17 10:30:00	3.86	-1.68	-0.61	5.06	15.62	150	100
2018-08-17 10:45:00	4.07	-3	-2.2	6.06	18.15	150	100
2018-08-17 11:00:00	4.15	-2.83	-2.21	8.31	18.81	150	100
2018-08-17 11:15:00	2.99	-2.54	-2.87	3.37	19.87	150	100
2018-08-17 11:30:00	2.21	-2.01	-3.14	2.9	19.93	150	100
2018-08-17 11:45:00	2.96	-1.58	0.82	2.43	20.65	150	100
2018-08-17 12:00:00	3.54	-1.78	-2.89	2.24	22.37	150	100
2018-08-17 12:15:00	4.33	-2.28	-2.67	3.19	21.94	150	100
2018-08-17 12:30:00	3.66	-2.26	-3.4	2.68	23.19	150	100
2018-08-17 12:45:00	4.29	-2.74	-3.63	3.05	24.76	150	100
2018-08-17 13:00:00	4.69	-1.21	-2.22	2.87	24.11	150	100
2018-08-17 13:15:00	3.72	-1.41	-2.3	2.77	21.2	150	100
2018-08-17 13:30:00	4.52	3.35	-2.26	3.32	22.23	150	100
2018-08-17 13:45:00	4.05	-0.16	-3.04	2.62	20.93	150	100
2018-08-17 14:00:00	3.81	-1.54	-3.16	2.56	20.49	150	100
2018-08-17 14:15:00	4.04	-1.42	-2.69	2.99	20.37	150	100
2018-08-17 14:30:00	3.68	-2.26	-3.53	3.94	21.23	150	100
2018-08-17 14:45:00	3.36	-1.98	-3.18	2.69	20.91	150	100
2018-08-17 15:00:00	2.96	-1.95	-2.93	2.35	20.8	150	100
2018-08-17 15:15:00	3.71	-1.95	-3.29	3.16	20.48	150	100
2018-08-17 15:30:00	3.22	-1.88	3.5	5.12	21.7	150	100
2018-08-17 15:45:00	3.68	-2	-2.78	2.89	20.96	150	100
2018-08-17 16:00:00	2.99	5.37	-3.46	2.93	21.38	150	100
2018-08-17 16:15:00	2.6	-2.13	-2.14	1.94	21.54	150	100

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"Start Date ", 17-Aug-2018
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"Unit ", 0
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"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 39.982922
"Max Disp @ ", 13:00:39 17-Aug-2018
"Max STEL ", 29.852195
"Max STEL @ ", 13:00:50 17-Aug-2018
"Avg point ", 23.737974
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
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2, 16.97, 24.0, 68, 740, 00 , 10:12:20, 17-Aug-2018
3, 17.80, 25.1, 65, 740, 00 , 10:27:20, 17-Aug-2018
4, 19.48, 26.7, 60, 740, 00 , 10:42:20, 17-Aug-2018
5, 22.22, 30.1, 51, 740, 01 , 10:57:20, 17-Aug-2018
6, 22.96, 33.0, 45, 740, 00 , 11:12:20, 17-Aug-2018
7, 22.86, 35.0, 40, 740, 00 , 11:27:20, 17-Aug-2018
8, 22.14, 35.2, 38, 740, 01 , 11:42:20, 17-Aug-2018
9, 23.61, 34.1, 40, 740, 00 , 11:57:20, 17-Aug-2018
10, 25.91, 32.2, 43, 740, 00 , 12:12:20, 17-Aug-2018
11, 26.27, 31.1, 47, 740, 00 , 12:27:20, 17-Aug-2018
12, 26.85, 31.0, 47, 740, 00 , 12:42:20, 17-Aug-2018
13, 29.05, 30.9, 47, 738, 00 , 12:57:20, 17-Aug-2018
14, 28.80, 30.8, 48, 738, 00 , 13:12:20, 17-Aug-2018
15, 24.92, 31.0, 48, 738, 00 , 13:27:20, 17-Aug-2018
16, 26.75, 31.6, 47, 738, 00 , 13:42:20, 17-Aug-2018
17, 24.98, 31.7, 48, 738, 00 , 13:57:20, 17-Aug-2018
18, 24.30, 31.5, 48, 738, 00 , 14:12:20, 17-Aug-2018
19, 24.41, 31.2, 48, 738, 01 , 14:27:20, 17-Aug-2018
20, 24.91, 30.6, 49, 738, 00 , 14:42:20, 17-Aug-2018
21, 24.27, 29.8, 51, 738, 00 , 14:57:20, 17-Aug-2018
22, 23.76, 29.1, 54, 738, 00 , 15:12:20, 17-Aug-2018
23, 24.19, 29.6, 54, 738, 01 , 15:27:20, 17-Aug-2018
24, 24.92, 29.3, 53, 738, 00 , 15:42:20, 17-Aug-2018
25, 24.64, 29.6, 53, 738, 00 , 15:57:20, 17-Aug-2018
26, 24.37, 29.3, 53, 738, 00 , 16:12:20, 17-Aug-2018
27, 24.14, 28.7, 55, 738, 00 , 16:27:20, 17-Aug-2018

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"Unit ", 0
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"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 129.095364
"Max Disp @ ", 16:09:06 17-Aug-2018
"Max STEL ", 27.240844
"Max STEL @ ", 13:42:16 17-Aug-2018
"Avg point ", 18.991407
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 15.36, 23.1, 71, 740, 01 , 09:54:26, 17-Aug-2018
2, 13.77, 23.7, 72, 740, 00 , 10:09:26, 17-Aug-2018
3, 13.88, 23.9, 71, 740, 00 , 10:24:26, 17-Aug-2018
4, 13.94, 24.1, 71, 740, 00 , 10:39:26, 17-Aug-2018
5, 15.15, 24.6, 69, 740, 00 , 10:54:26, 17-Aug-2018
6, 15.98, 25.5, 66, 740, 00 , 11:09:26, 17-Aug-2018
7, 17.33, 26.1, 60, 740, 00 , 11:24:26, 17-Aug-2018
8, 17.92, 26.5, 57, 740, 00 , 11:39:26, 17-Aug-2018
9, 19.07, 26.8, 56, 740, 00 , 11:54:26, 17-Aug-2018
10, 20.59, 27.0, 55, 740, 00 , 12:09:26, 17-Aug-2018
11, 19.66, 27.1, 56, 738, 00 , 12:24:26, 17-Aug-2018
12, 20.93, 27.4, 54, 738, 00 , 12:39:26, 17-Aug-2018
13, 22.02, 27.6, 54, 738, 00 , 12:54:26, 17-Aug-2018
14, 22.90, 28.2, 53, 738, 00 , 13:09:26, 17-Aug-2018
15, 19.79, 28.7, 51, 738, 00 , 13:24:26, 17-Aug-2018
16, 25.58, 29.7, 49, 738, 00 , 13:39:26, 17-Aug-2018
17, 20.77, 30.5, 48, 738, 00 , 13:54:26, 17-Aug-2018
18, 18.95, 30.6, 47, 738, 00 , 14:09:26, 17-Aug-2018
19, 18.95, 30.4, 47, 738, 00 , 14:24:26, 17-Aug-2018
20, 18.97, 30.0, 49, 738, 00 , 14:39:26, 17-Aug-2018
21, 18.93, 29.3, 50, 738, 00 , 14:54:26, 17-Aug-2018
22, 18.85, 28.8, 52, 738, 00 , 15:09:26, 17-Aug-2018
23, 18.53, 29.5, 52, 738, 00 , 15:24:26, 17-Aug-2018
24, 19.82, 29.6, 50, 738, 00 , 15:39:26, 17-Aug-2018
25, 18.96, 30.1, 49, 738, 00 , 15:54:26, 17-Aug-2018
26, 26.75, 29.9, 49, 738, 00 , 16:09:26, 17-Aug-2018
27, 19.41, 29.2, 51, 738, 00 , 16:24:26, 17-Aug-2018

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"Unit ", 0
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"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 112.930548
"Max Disp @ ", 09:38:27 17-Aug-2018
"Max STEL ", 25.288446
"Max STEL @ ", 15:44:54 17-Aug-2018
"Avg point ", 18.312454
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 17.27, 23.0, 67, 740, 03 , 09:53:14, 17-Aug-2018
2, 14.94, 23.8, 67, 740, 00 , 10:08:14, 17-Aug-2018
3, 14.88, 24.1, 66, 740, 00 , 10:23:14, 17-Aug-2018
4, 15.01, 24.5, 65, 740, 00 , 10:38:14, 17-Aug-2018
5, 15.95, 25.3, 63, 740, 00 , 10:53:14, 17-Aug-2018
6, 16.60, 26.6, 59, 740, 00 , 11:08:14, 17-Aug-2018
7, 17.00, 27.5, 53, 740, 00 , 11:23:14, 17-Aug-2018
8, 16.79, 27.7, 51, 740, 00 , 11:38:14, 17-Aug-2018
9, 21.47, 27.6, 51, 740, 00 , 11:53:14, 17-Aug-2018
10, 19.48, 27.6, 51, 740, 00 , 12:08:14, 17-Aug-2018
11, 19.27, 27.4, 53, 740, 00 , 12:23:14, 17-Aug-2018
12, 19.79, 27.5, 51, 740, 00 , 12:38:14, 17-Aug-2018
13, 21.13, 27.6, 51, 738, 00 , 12:53:14, 17-Aug-2018
14, 21.89, 28.0, 51, 738, 00 , 13:08:14, 17-Aug-2018
15, 18.90, 28.4, 50, 738, 00 , 13:23:14, 17-Aug-2018
16, 19.97, 29.1, 49, 738, 00 , 13:38:14, 17-Aug-2018
17, 17.89, 29.6, 48, 738, 00 , 13:53:14, 17-Aug-2018
18, 17.33, 29.5, 48, 738, 00 , 14:08:14, 17-Aug-2018
19, 17.68, 29.4, 49, 738, 00 , 14:23:14, 17-Aug-2018
20, 17.70, 29.2, 49, 738, 00 , 14:38:14, 17-Aug-2018
21, 17.73, 28.7, 49, 738, 00 , 14:53:14, 17-Aug-2018
22, 17.87, 28.4, 51, 738, 00 , 15:08:14, 17-Aug-2018
23, 17.19, 28.9, 50, 738, 00 , 15:23:14, 17-Aug-2018
24, 25.20, 28.9, 49, 738, 00 , 15:38:14, 17-Aug-2018
25, 18.18, 29.1, 50, 738, 00 , 15:53:14, 17-Aug-2018
26, 17.92, 29.0, 50, 738, 00 , 16:08:14, 17-Aug-2018
27, 19.40, 28.5, 52, 738, 00 , 16:23:14, 17-Aug-2018

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"Unit ", 0
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"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 50.008426
"Max Disp @ ", 15:31:12 17-Aug-2018
"Max STEL ", 27.923512
"Max STEL @ ", 13:02:32 17-Aug-2018
"Avg point ", 23.891706
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 20.98, 24.1, 70, 738, 01 , 09:58:12, 17-Aug-2018
2, 18.70, 25.4, 67, 738, 00 , 10:13:12, 17-Aug-2018
3, 20.35, 25.9, 66, 738, 00 , 10:28:12, 17-Aug-2018
4, 20.68, 26.9, 63, 738, 00 , 10:43:12, 17-Aug-2018
5, 24.21, 28.9, 58, 738, 00 , 10:58:12, 17-Aug-2018
6, 27.12, 31.2, 51, 738, 00 , 11:13:12, 17-Aug-2018
7, 23.24, 33.5, 44, 738, 00 , 11:28:12, 17-Aug-2018
8, 22.83, 34.7, 40, 738, 00 , 11:43:12, 17-Aug-2018
9, 23.08, 34.5, 41, 738, 00 , 11:58:12, 17-Aug-2018
10, 24.61, 33.5, 42, 738, 00 , 12:13:12, 17-Aug-2018
11, 25.13, 32.9, 45, 738, 00 , 12:28:12, 17-Aug-2018
12, 25.87, 32.9, 44, 738, 00 , 12:43:12, 17-Aug-2018
13, 27.81, 32.8, 44, 738, 00 , 12:58:12, 17-Aug-2018
14, 26.98, 32.8, 45, 738, 00 , 13:13:12, 17-Aug-2018
15, 23.97, 33.1, 44, 738, 00 , 13:28:12, 17-Aug-2018
16, 25.55, 33.7, 44, 736, 00 , 13:43:12, 17-Aug-2018
17, 23.55, 33.7, 44, 736, 00 , 13:58:12, 17-Aug-2018
18, 23.05, 33.7, 45, 736, 00 , 14:13:12, 17-Aug-2018
19, 23.36, 33.6, 44, 736, 00 , 14:28:12, 17-Aug-2018
20, 25.17, 33.1, 45, 736, 00 , 14:43:12, 17-Aug-2018
21, 23.60, 32.3, 47, 736, 00 , 14:58:12, 17-Aug-2018
22, 23.15, 31.7, 50, 736, 00 , 15:13:12, 17-Aug-2018
23, 23.64, 32.2, 49, 736, 00 , 15:28:12, 17-Aug-2018
24, 26.82, 32.1, 49, 736, 00 , 15:43:12, 17-Aug-2018
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DAILY OBSERVATION REPORT

Report No.:	70	Project File:	MN0832D	Date:	08/18/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Jim Burnett

Site Representative: Matt Schallinger

Arrive at Site: 0715hrs. Leave Site: 1030 hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Light Rain	am	N/A	Pm
Temperature:	71° F	am	N/A ° F	Pm
Wind Direction:	1 SW	am	N/A	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☐	N/A ☒
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 70 Project File: MN0832D Date: 08/18/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 403

Weight: ~20 tons/each Total Weight to date: ~9290 Tons

Non Haz Soil Removal:

Total Loads today: 0 Total Loads to date: 249

Weight: 20-33 tons/each Total Weight to date: ~5879 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: Tons Total Weight to date: 175 Tons

Imported Common Fill:

Total Loads today: 30 Total Loads to date: ~1189

Weight: ~21 Tons/each Total Weight to date: ~10,097 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	70	Project File:	MN0832D	Date:	08/18/2018

Summary of Events

AM

- Geosyntec arrived on site at 0715. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed work plan for the day. Rain is forecasted for this morning.
- Dust monitors were not deployed because of impending rain.
- School contractor continued working within phase 1.
- Atlantic Testing was onsite for concrete testing in phase one and for potential compaction testing.
- Recon continued to backfill and compact in the SE corner of the RPL using reuse material and item 4.
- Rain began to fall around 0900 hours. At 0945 hours, Recon called off work for the day as the rain made it difficult for backfilling operations to continue.
- Recon covered up piles and finished up compaction efforts.
- Geosyntec left the site at 1030.

PM

- N/A

Report No.: 70 Project File: MN0832D Date: 08/18/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Rich Tonnucour
- (Recon labor) X17

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- CAT 725 Haul truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Tim Cleary	Atlantic Testing	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: 8/24/18

ITEMS OF CONCERN:

None.

DAILY OBSERVATION REPORT

Report No.:	70	Project File:	MN0832D	Date:	08/18/2018

Site Representative: Matt Schallinger

Name (Signature):



Report No.: 70 Project File: MN0832D Date: 08/18/2018

Photo Log
Date : 08/18/2018



Morning view of the RPL. View is to the SW.



Recon spreading and compacting backfill.



School contractor pouring concrete in phase one.



Recon covers up piles as rain moves in.

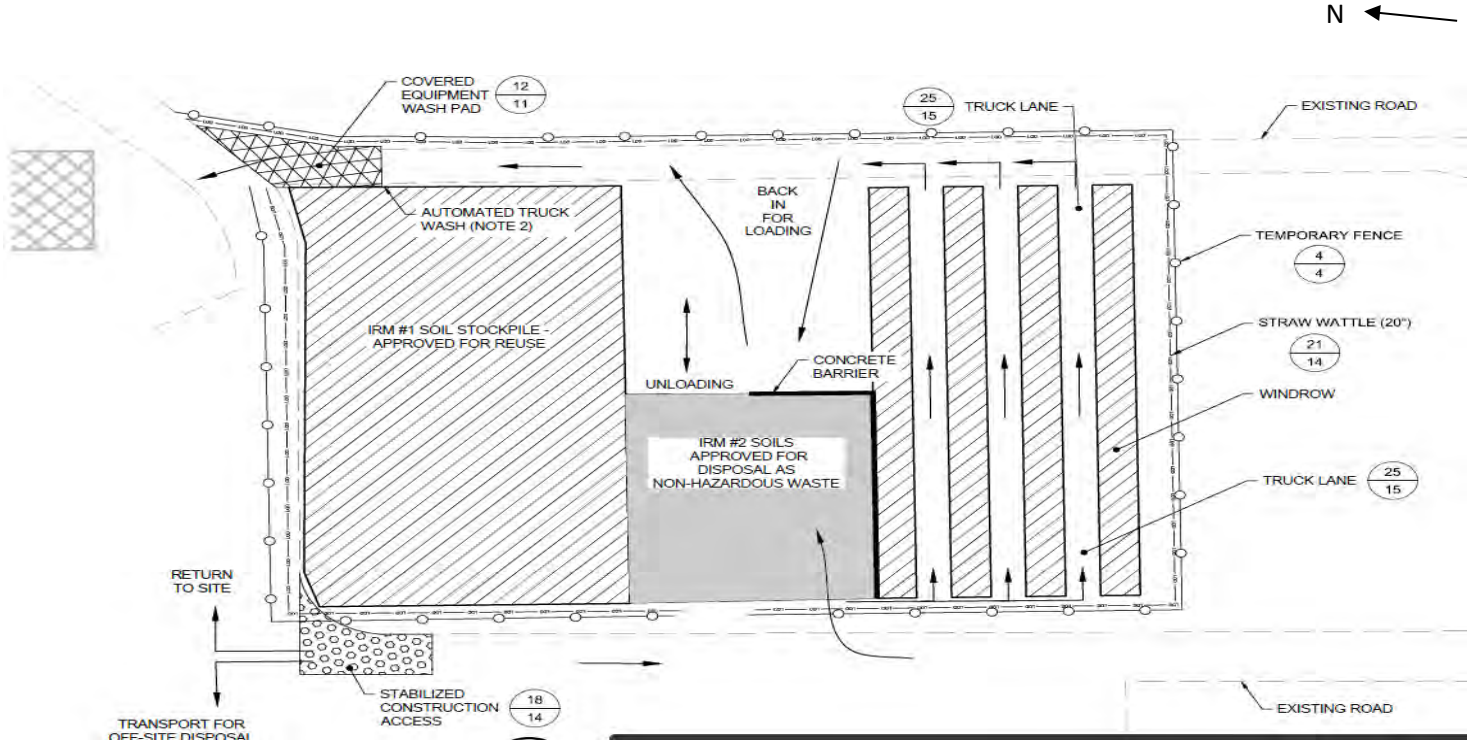
Report No.:	70	Project File:	MN0832D	Date:	08/18/2018

Site Map

Rear Parking Lot



MSA



DAILY OBSERVATION REPORT

Report No.:	71	Project File:	MN0832D	Date:	08/19/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Jim Burnett

Site Representative: Matt Schallinger

Arrive at Site: 0645hrs. Leave Site: 1845 hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Cloudy	am	Mostly Cloudy	Pm
Temperature:	63° F	am	75° F	Pm
Wind Direction:	2 NE	am	2 NE	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 71 Project File: MN0832D Date: 08/19/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 403

Weight: ~20 tons/each Total Weight to date: ~9290 Tons

Non Haz Soil Removal:

Total Loads today: 0 Total Loads to date: 249

Weight: 20-33 tons/each Total Weight to date: ~5879 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: Tons Total Weight to date: 175 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1189

Weight: ~21 Tons/each Total Weight to date: ~10,097 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	71	Project File:	MN0832D	Date:	08/19/2018

Summary of Events

AM

- Geosyntec arrived on site at 0715. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed work plan for the day.
- Geosyntec calibrated and deployed dust monitors.
- School contractor continued working within phase 1.
- Atlantic Testing onsite for compaction testing of backfill.
- Recon transferred water from the frac tank near the TSCA loading pad to the frac tank staged just south of the RPL truck wash.
- Recon continued to backfill and compact in phase 3 with item 4 fill and reuse material.
- Recon excavated TSCA material from the accumulation pad and temporarily staged this material along the eastern edge of the RPL. This material was placed on poly and contained with bin blocks.
- Recon excavated the elevated lead-impacted TCSA material and temporarily staged this material on poly in a separate area along the eastern edge of the RPL. This material is scheduled for shipment to Envirosafe of Oregon, OH starting tomorrow 20 August 2018.
- Recon continues to spray water around the site multiple times during the day.
- 0 truckloads of TSCA material were sent offsite.

PM

- Backfill and compaction efforts continued throughout the afternoon.
- TSCA material excavation continued in the accumulation area and staged appropriately.
- Geosyntec conducted a SWPP investigation.
- A previously unidentified utility was encountered around 6’ bgs in phase 3. It generally runs N-S and appears to be 2-3 above the expected location of the known sewer line. The extent and identity of this utility is being determined. Excavation efforts will have to slope off of the utility.
- An ATL technician performed a total of six (6), in-place, moisture-density tests (two per lift) in the compacted backfill. All tests met the specification requirement of at least 95 percent degree of compaction.
- A 7 x 3 ft concrete pier was uncovered and removed from the excavation. It is temporarily staged at the TSCA loading pad.
- A total of 0 loads of non-hazardous material was loaded for offsite shipment from the MSA.
- Recon covered piles in the MSA and RPL at the end of the day.
- Approximately 140 cubic yards remain in the MSA reuse pile.
- No dust exceedances occurred today.
- Geosyntec shut down and left site around 1745.

Report No.: 71 Project File: MN0832D Date: 08/19/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Rich Tonnucour
- (Recon labor) X17

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- CAT 725 Haul truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Denver Tyler	Atlantic Testing	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: 8/24/18

ITEMS OF CONCERN:

None.

DAILY OBSERVATION REPORT

Report No.:	71	Project File:	MN0832D	Date:	08/19/2018

Site Representative: Matt Schallinger

Name (Signature):



Report No.: 71 Project File: MN0832D Date: 08/19/2018

Photo Log
Date : 08/19/2018



Recon maintaining dust and debris control on haul road.



Recon compacting the backfill in phase 3.



Current uncovered extent of utility. View is SW.



View of RPL at end of day from school roof.

Report No.: 71 Project File: MN0832D Date: 08/19/2018

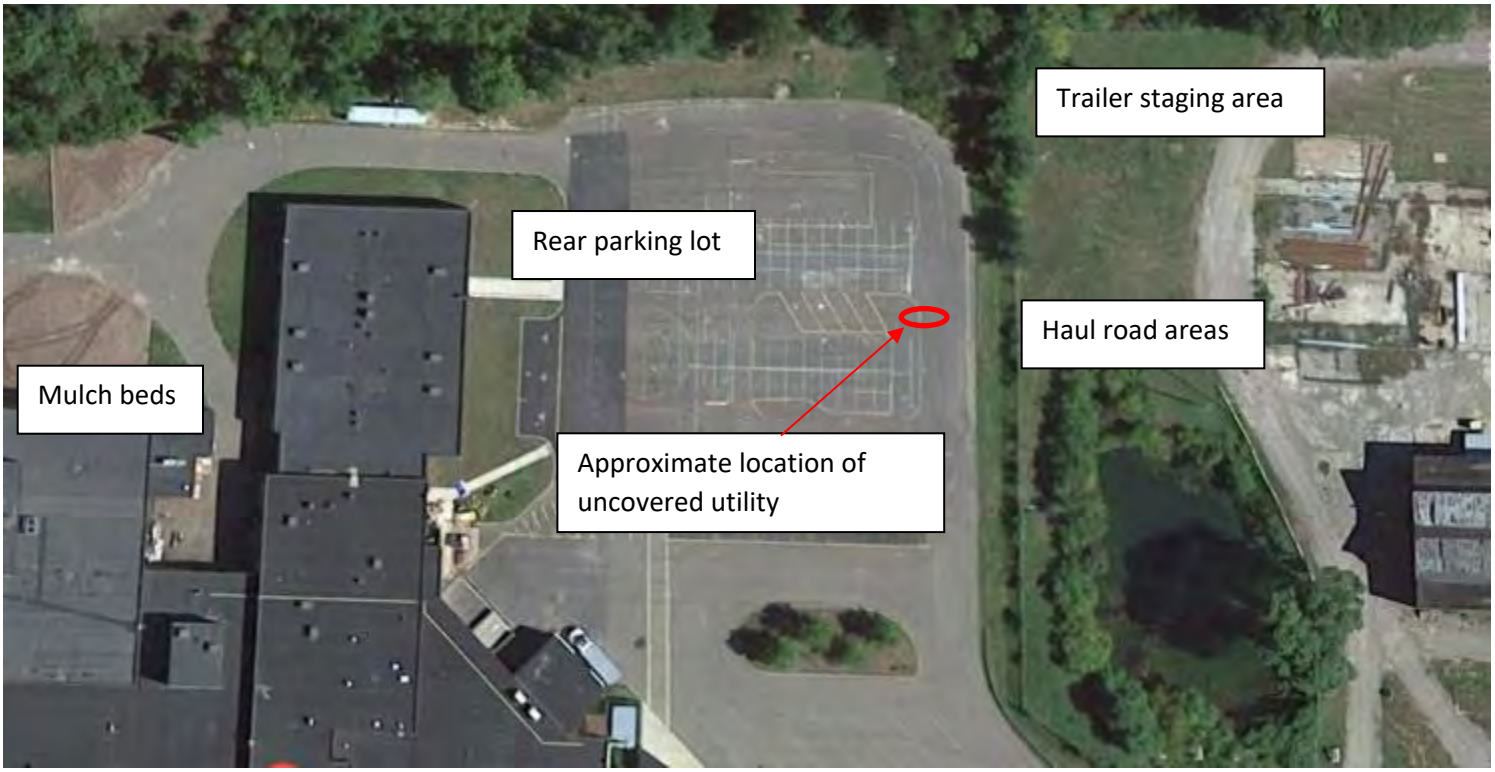
	
Concrete pier removed from excavation.	Concrete pier staged in the TSCA Accumulation Area

DAILY OBSERVATION REPORT

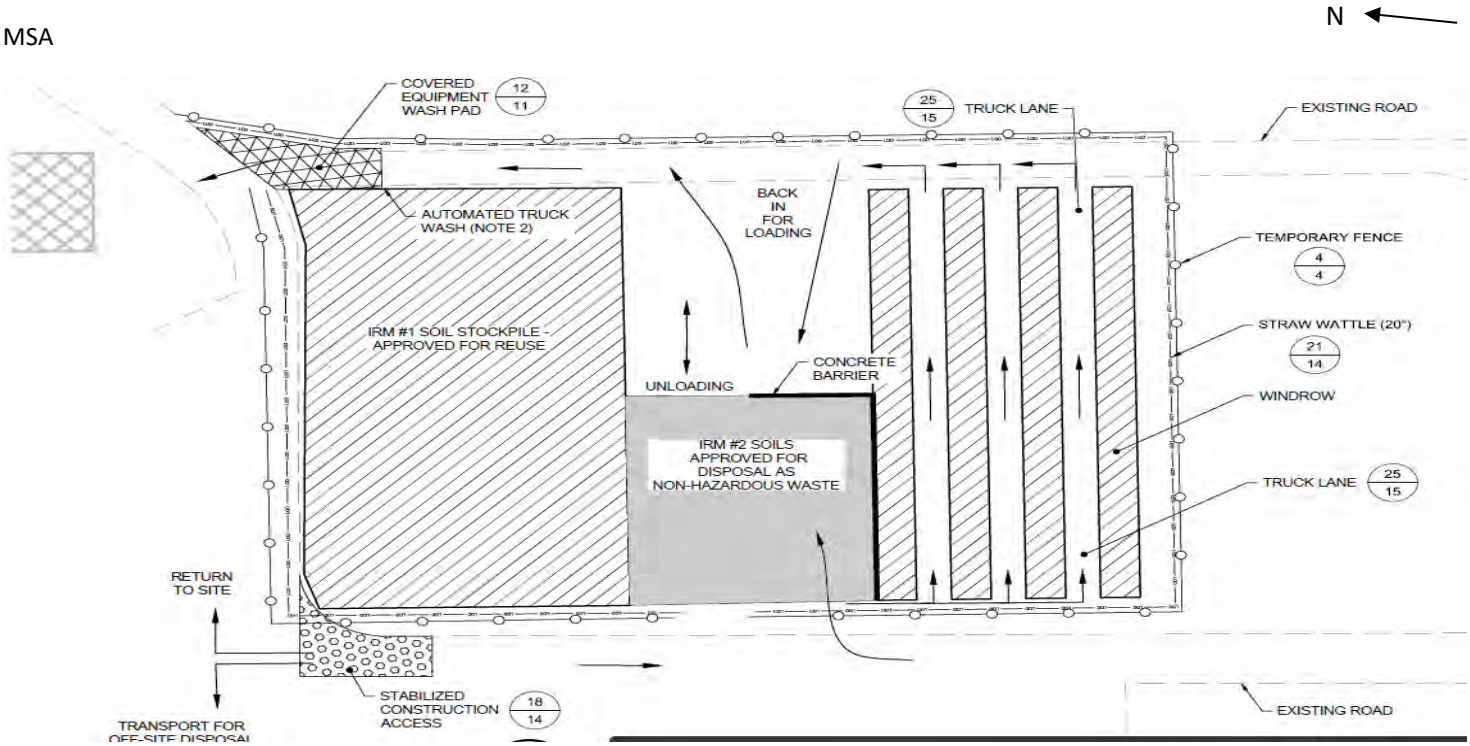
Report No.:	71	Project File:	MN0832D	Date:	08/19/2018

Site Map

Rear Parking Lot

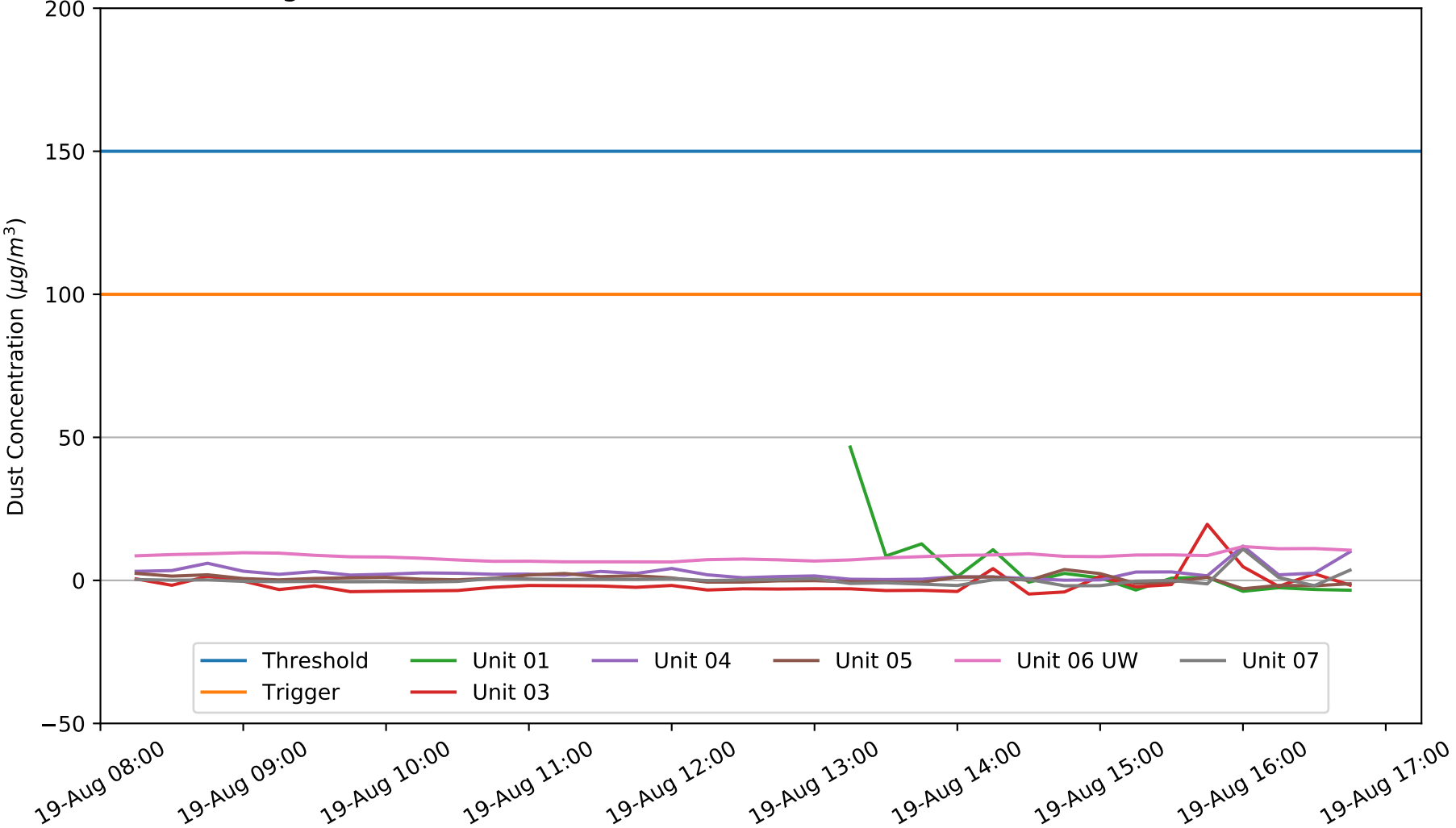


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 19-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 19-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 03	Unit 06 UW	Unit 04	Unit 01	Unit 07	Unit 05	Threshold	Trigger
2018-08-19 08:00:00							150	100
2018-08-19 08:15:00	0.51	8.59	3.17		0.3	2.45	150	100
2018-08-19 08:30:00	-1.71	9.03	3.44		0.06	1.48	150	100
2018-08-19 08:45:00	1.42	9.3	5.99		0.17	1.96	150	100
2018-08-19 09:00:00	-0.25	9.67	3.21		-0.34	0.64	150	100
2018-08-19 09:15:00	-3.21	9.53	2.12		-0.44	0.18	150	100
2018-08-19 09:30:00	-1.89	8.77	3.09		-0.36	0.68	150	100
2018-08-19 09:45:00	-3.94	8.25	1.86		-0.49	0.9	150	100
2018-08-19 10:00:00	-3.78	8.16	2.15		-0.44	1.08	150	100
2018-08-19 10:15:00	-3.66	7.73	2.62		-0.59	0.42	150	100
2018-08-19 10:30:00	-3.54	7.14	2.5		-0.37	0.21	150	100
2018-08-19 10:45:00	-2.41	6.66	2.14		0.71	0.74	150	100
2018-08-19 11:00:00	-1.78	6.7	2.2		0.5	1.86	150	100
2018-08-19 11:15:00	-1.85	6.49	1.83		0.31	2.41	150	100
2018-08-19 11:30:00	-1.95	6.49	3.13		0.43	1.3	150	100
2018-08-19 11:45:00	-2.42	6.47	2.42		0.37	1.63	150	100
2018-08-19 12:00:00	-1.77	6.45	4.16		0.65	0.86	150	100
2018-08-19 12:15:00	-3.36	7.25	1.95		-0.06	-0.6	150	100
2018-08-19 12:30:00	-2.94	7.46	0.92		0.18	-0.58	150	100
2018-08-19 12:45:00	-3.02	7.19	1.33		0.26	-0.16	150	100
2018-08-19 13:00:00	-2.92	6.76	1.56		0.63	-0.1	150	100
2018-08-19 13:15:00	-2.94	7.16	0.4	46.61	-1.06	-0.44	150	100
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2018-08-19 14:00:00	-3.88	8.75	1.26	1.31	-1.78	1.15	150	100
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2018-08-19 14:30:00	-4.77	9.31	0.63	-0.64	0.31	0	150	100
2018-08-19 14:45:00	-4.04	8.41	0.06	2.44	-1.88	3.8	150	100
2018-08-19 15:00:00	1.45	8.3	0.17	0.88	-1.84	2.36	150	100
2018-08-19 15:15:00	-2.25	8.87	2.92	-3.37	-0.27	-1.04	150	100
2018-08-19 15:30:00	-1.47	8.92	2.96	0.78	-0.01	-0.55	150	100
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2018-08-19 16:30:00	2.32	11.14	2.54	-3.17	-1.85	-1.87	150	100
2018-08-19 16:45:00	-1.65	10.56	9.99	-3.44	3.59	-1.19	150	100
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34, 8.96, 21.9, 37, 740, 00 , 16:29:56, 19-Aug-2018
35, 13.46, 21.3, 39, 740, 00 , 16:44:56, 19-Aug-2018
36, 8.91, 20.7, 40, 740, 00 , 16:59:56, 19-Aug-2018

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"RH CORRECT ", "ENABLED "
"Max Disp ", 19.369741
"Max Disp @ ", 16:00:15 19-Aug-2018
"Max STEL ", 12.211785
"Max STEL @ ", 16:24:11 19-Aug-2018
"Avg point ", 8.348038
"ALARM ", "INSTANT "
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"Errors ", 0000
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"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 8.59, 21.0, 71, 738, 01 , 08:16:31, 19-Aug-2018
2, 9.03, 21.3, 70, 738, 00 , 08:31:31, 19-Aug-2018
3, 9.30, 21.9, 69, 738, 00 , 08:46:31, 19-Aug-2018
4, 9.67, 22.8, 66, 738, 00 , 09:01:31, 19-Aug-2018
5, 9.53, 23.6, 61, 738, 00 , 09:16:31, 19-Aug-2018
6, 8.77, 24.3, 58, 738, 00 , 09:31:31, 19-Aug-2018
7, 8.25, 25.0, 56, 738, 00 , 09:46:31, 19-Aug-2018
8, 8.16, 25.5, 54, 738, 00 , 10:01:31, 19-Aug-2018
9, 7.73, 25.1, 55, 738, 00 , 10:16:31, 19-Aug-2018
10, 7.14, 24.9, 55, 738, 00 , 10:31:31, 19-Aug-2018
11, 6.66, 24.2, 57, 738, 00 , 10:46:31, 19-Aug-2018
12, 6.70, 23.4, 60, 740, 00 , 11:01:31, 19-Aug-2018
13, 6.49, 23.1, 62, 740, 00 , 11:16:31, 19-Aug-2018
14, 6.49, 23.4, 61, 740, 00 , 11:31:31, 19-Aug-2018
15, 6.47, 23.4, 60, 740, 00 , 11:46:31, 19-Aug-2018
16, 6.45, 23.9, 59, 738, 00 , 12:01:31, 19-Aug-2018
17, 7.25, 24.6, 58, 738, 00 , 12:16:31, 19-Aug-2018
18, 7.46, 24.4, 59, 740, 00 , 12:31:31, 19-Aug-2018
19, 7.19, 23.8, 61, 740, 00 , 12:46:31, 19-Aug-2018
20, 6.76, 23.8, 61, 740, 00 , 13:01:31, 19-Aug-2018
21, 7.16, 25.9, 55, 738, 00 , 13:16:31, 19-Aug-2018
22, 7.88, 28.4, 47, 738, 00 , 13:31:31, 19-Aug-2018
23, 8.30, 29.8, 44, 738, 00 , 13:46:31, 19-Aug-2018
24, 8.75, 31.2, 39, 738, 00 , 14:01:31, 19-Aug-2018
25, 8.90, 31.4, 38, 738, 00 , 14:16:31, 19-Aug-2018
26, 9.31, 30.6, 40, 738, 00 , 14:31:31, 19-Aug-2018
27, 8.41, 29.9, 42, 738, 00 , 14:46:31, 19-Aug-2018
28, 8.30, 29.4, 44, 738, 00 , 15:01:31, 19-Aug-2018
29, 8.87, 30.0, 43, 738, 00 , 15:16:31, 19-Aug-2018
30, 8.92, 30.4, 42, 738, 00 , 15:31:31, 19-Aug-2018
31, 8.67, 30.5, 41, 738, 00 , 15:46:31, 19-Aug-2018
32, 11.83, 30.1, 42, 738, 00 , 16:01:31, 19-Aug-2018
33, 11.07, 29.1, 43, 738, 00 , 16:16:31, 19-Aug-2018
34, 11.14, 28.4, 46, 738, 00 , 16:31:31, 19-Aug-2018
35, 10.56, 28.0, 47, 738, 00 , 16:46:31, 19-Aug-2018

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"Max Disp @ ", 16:45:22 19-Aug-2018
"Max STEL   ", 24.119453
"Max STEL @ ", 16:02:52 19-Aug-2018
"Avg point ", 10.910326
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 11.76, 20.9, 71, 738, 01 , 08:15:42, 19-Aug-2018
2, 12.47, 21.8, 69, 738, 00 , 08:30:42, 19-Aug-2018
3, 15.29, 22.7, 65, 738, 00 , 08:45:42, 19-Aug-2018
4, 12.88, 24.1, 61, 738, 00 , 09:00:42, 19-Aug-2018
5, 11.65, 25.3, 55, 738, 00 , 09:15:42, 19-Aug-2018
6, 11.86, 26.0, 52, 738, 00 , 09:30:42, 19-Aug-2018
7, 10.11, 26.6, 50, 738, 00 , 09:45:42, 19-Aug-2018
8, 10.31, 27.2, 48, 738, 00 , 10:00:42, 19-Aug-2018
9, 10.35, 27.2, 48, 738, 00 , 10:15:42, 19-Aug-2018
10, 9.64, 27.2, 48, 738, 00 , 10:30:42, 19-Aug-2018
11, 8.80, 26.9, 47, 738, 00 , 10:45:42, 19-Aug-2018
12, 8.90, 26.1, 50, 738, 00 , 11:00:42, 19-Aug-2018
13, 8.32, 25.7, 51, 738, 00 , 11:15:42, 19-Aug-2018
14, 9.62, 25.7, 52, 738, 00 , 11:30:42, 19-Aug-2018
15, 8.89, 25.7, 50, 738, 00 , 11:45:42, 19-Aug-2018
16, 10.61, 26.1, 51, 738, 00 , 12:00:42, 19-Aug-2018
17, 9.20, 26.8, 51, 738, 00 , 12:15:42, 19-Aug-2018
18, 8.38, 26.7, 51, 738, 00 , 12:30:42, 19-Aug-2018
19, 8.52, 26.1, 52, 738, 00 , 12:45:42, 19-Aug-2018
20, 8.32, 26.1, 52, 738, 00 , 13:00:42, 19-Aug-2018
21, 7.56, 28.0, 46, 738, 00 , 13:15:42, 19-Aug-2018
22, 8.18, 30.6, 41, 738, 00 , 13:30:42, 19-Aug-2018
23, 8.71, 31.9, 38, 738, 00 , 13:45:42, 19-Aug-2018
24, 10.01, 33.0, 36, 738, 00 , 14:00:42, 19-Aug-2018
25, 10.11, 33.5, 34, 738, 00 , 14:15:42, 19-Aug-2018
26, 9.94, 33.0, 36, 738, 00 , 14:30:42, 19-Aug-2018
27, 8.47, 33.0, 36, 738, 00 , 14:45:42, 19-Aug-2018
28, 8.47, 32.4, 37, 738, 00 , 15:00:42, 19-Aug-2018
29, 11.79, 32.5, 38, 738, 00 , 15:15:42, 19-Aug-2018
30, 11.88, 33.4, 37, 738, 00 , 15:30:42, 19-Aug-2018
31, 10.26, 33.9, 35, 738, 00 , 15:45:42, 19-Aug-2018
32, 23.84, 33.8, 35, 738, 00 , 16:00:42, 19-Aug-2018
33, 13.01, 33.3, 35, 738, 00 , 16:15:42, 19-Aug-2018
34, 13.68, 33.5, 36, 738, 00 , 16:30:42, 19-Aug-2018
35, 20.55, 33.2, 37, 738, 00 , 16:45:42, 19-Aug-2018
36, 10.41, 32.7, 37, 738, 00 , 17:00:42, 19-Aug-2018

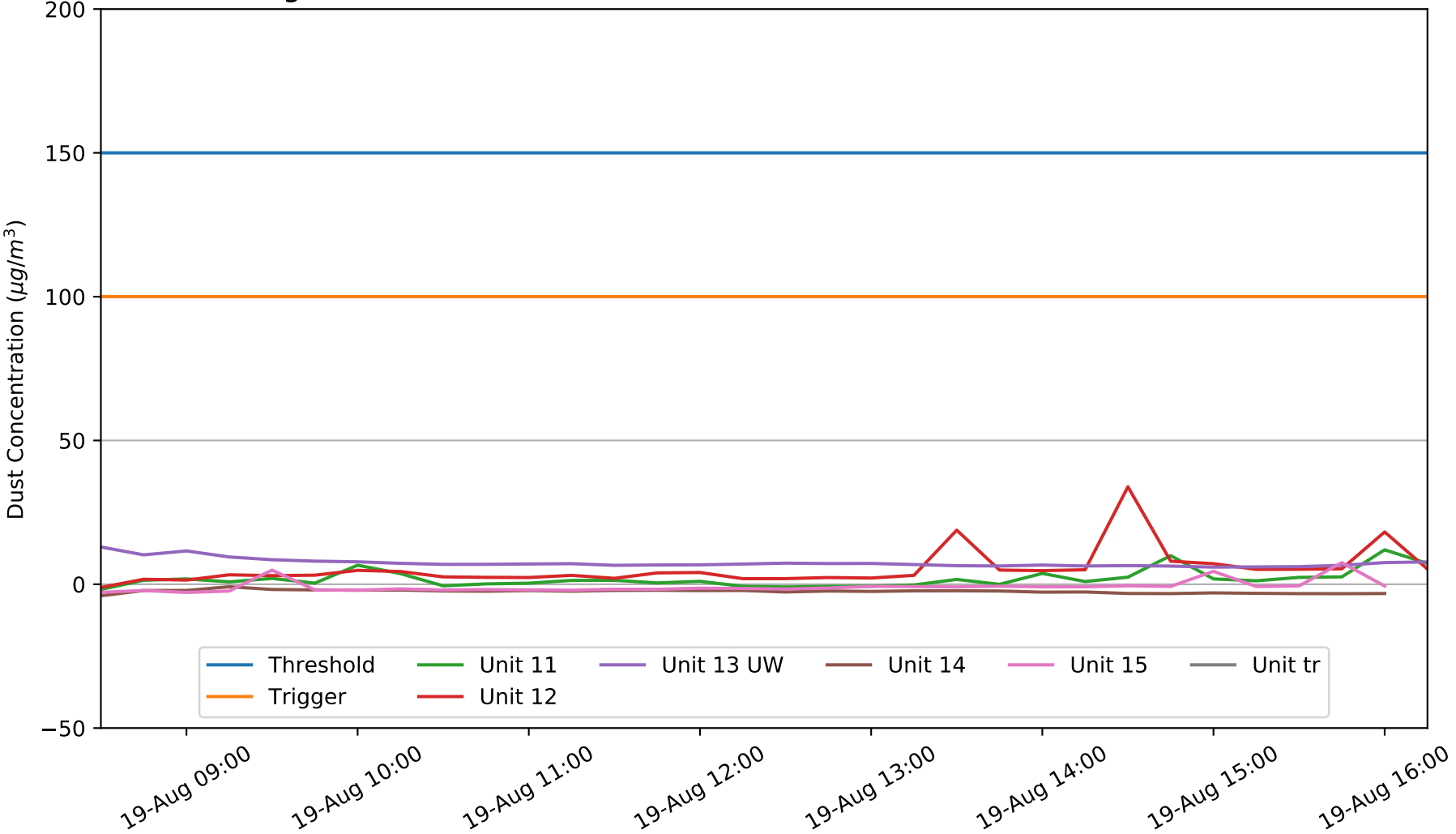
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"RH CORRECT ", "ENABLED "
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"Max STEL @ ", 13:20:51 19-Aug-2018
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"ALARM ", "INSTANT "
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"FlowRate ", 1.200000
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1, 53.77, 25.9, 52, 740, 00 , 13:17:11, 19-Aug-2018
2, 16.40, 27.5, 46, 740, 00 , 13:32:11, 19-Aug-2018
3, 21.07, 28.7, 44, 740, 00 , 13:47:11, 19-Aug-2018
4, 10.06, 29.9, 41, 740, 00 , 14:02:11, 19-Aug-2018
5, 19.63, 30.7, 39, 740, 00 , 14:17:11, 19-Aug-2018
6, 8.67, 30.7, 39, 740, 00 , 14:32:11, 19-Aug-2018
7, 10.85, 30.8, 40, 740, 00 , 14:47:11, 19-Aug-2018
8, 9.18, 30.9, 40, 740, 00 , 15:02:11, 19-Aug-2018
9, 5.50, 31.3, 39, 740, 00 , 15:17:11, 19-Aug-2018
10, 9.70, 31.7, 38, 740, 00 , 15:32:11, 19-Aug-2018
11, 9.75, 31.7, 38, 740, 00 , 15:47:11, 19-Aug-2018
12, 8.02, 31.6, 38, 740, 00 , 16:02:11, 19-Aug-2018
13, 8.51, 30.9, 38, 740, 00 , 16:17:11, 19-Aug-2018
14, 7.97, 30.8, 40, 740, 00 , 16:32:11, 19-Aug-2018
15, 7.12, 30.7, 40, 740, 00 , 16:47:11, 19-Aug-2018
16, 8.49, 30.4, 40, 740, 00 , 17:02:11, 19-Aug-2018
17, 8.54, 30.3, 40, 740, 00 , 17:17:11, 19-Aug-2018

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"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 46.241708
"Max Disp @ ", 15:59:01 19-Aug-2018
"Max STEL ", 23.029685
"Max STEL @ ", 16:03:09 19-Aug-2018
"Avg point ", 8.503915
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 8.89, 21.3, 73, 738, 01 , 08:19:49, 19-Aug-2018
2, 9.09, 21.6, 72, 738, 00 , 08:34:49, 19-Aug-2018
3, 9.47, 22.1, 71, 738, 00 , 08:49:49, 19-Aug-2018
4, 9.33, 23.0, 67, 738, 00 , 09:04:49, 19-Aug-2018
5, 9.09, 23.9, 63, 738, 00 , 09:19:49, 19-Aug-2018
6, 8.41, 24.8, 59, 738, 00 , 09:34:49, 19-Aug-2018
7, 7.76, 26.0, 56, 738, 00 , 09:49:49, 19-Aug-2018
8, 7.72, 27.2, 53, 738, 00 , 10:04:49, 19-Aug-2018
9, 7.14, 27.9, 51, 738, 00 , 10:19:49, 19-Aug-2018
10, 6.77, 28.5, 47, 738, 00 , 10:34:49, 19-Aug-2018
11, 7.37, 28.5, 47, 738, 00 , 10:49:49, 19-Aug-2018
12, 7.20, 27.9, 50, 738, 00 , 11:04:49, 19-Aug-2018
13, 6.80, 28.0, 50, 738, 00 , 11:19:49, 19-Aug-2018
14, 6.92, 28.2, 49, 738, 00 , 11:34:49, 19-Aug-2018
15, 6.84, 28.4, 48, 738, 00 , 11:49:49, 19-Aug-2018
16, 7.10, 28.8, 46, 738, 00 , 12:04:49, 19-Aug-2018
17, 7.19, 29.4, 46, 738, 00 , 12:19:49, 19-Aug-2018
18, 7.64, 29.5, 46, 738, 00 , 12:34:49, 19-Aug-2018
19, 7.45, 28.9, 47, 738, 00 , 12:49:49, 19-Aug-2018
20, 7.39, 28.8, 46, 738, 00 , 13:04:49, 19-Aug-2018
21, 6.10, 30.6, 43, 738, 00 , 13:19:49, 19-Aug-2018
22, 7.04, 33.5, 37, 738, 00 , 13:34:49, 19-Aug-2018
23, 6.98, 35.5, 34, 738, 00 , 13:49:49, 19-Aug-2018
24, 6.97, 37.5, 31, 738, 00 , 14:04:49, 19-Aug-2018
25, 9.09, 38.8, 29, 738, 00 , 14:19:49, 19-Aug-2018
26, 9.62, 38.2, 31, 738, 00 , 14:34:49, 19-Aug-2018
27, 6.53, 38.6, 30, 738, 00 , 14:49:49, 19-Aug-2018
28, 6.46, 38.5, 31, 738, 00 , 15:04:49, 19-Aug-2018
29, 8.60, 39.5, 29, 738, 00 , 15:19:49, 19-Aug-2018
30, 8.91, 41.1, 27, 738, 00 , 15:34:49, 19-Aug-2018
31, 7.44, 42.4, 25, 738, 00 , 15:49:49, 19-Aug-2018
32, 22.78, 41.7, 25, 738, 00 , 16:04:49, 19-Aug-2018
33, 12.08, 39.6, 28, 738, 00 , 16:19:49, 19-Aug-2018
34, 9.29, 39.6, 29, 738, 00 , 16:34:49, 19-Aug-2018
35, 14.15, 40.0, 28, 738, 00 , 16:49:49, 19-Aug-2018

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"Max Disp @ ", 14:36:45 19-Aug-2018
"Max STEL ", 13.308313
"Max STEL @ ", 14:41:44 19-Aug-2018
"Avg point ", 8.818149
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 11.04, 20.1, 72, 738, 01 , 08:17:14, 19-Aug-2018
2, 10.51, 20.1, 73, 738, 00 , 08:32:14, 19-Aug-2018
3, 11.26, 20.3, 72, 738, 00 , 08:47:14, 19-Aug-2018
4, 10.31, 20.8, 70, 738, 00 , 09:02:14, 19-Aug-2018
5, 9.71, 21.3, 67, 738, 00 , 09:17:14, 19-Aug-2018
6, 9.45, 21.7, 65, 738, 00 , 09:32:14, 19-Aug-2018
7, 9.15, 21.9, 64, 738, 00 , 09:47:14, 19-Aug-2018
8, 9.24, 22.2, 63, 738, 00 , 10:02:14, 19-Aug-2018
9, 8.15, 22.2, 63, 738, 00 , 10:17:14, 19-Aug-2018
10, 7.35, 22.4, 63, 738, 00 , 10:32:14, 19-Aug-2018
11, 7.40, 22.3, 62, 738, 00 , 10:47:14, 19-Aug-2018
12, 8.56, 21.9, 64, 738, 00 , 11:02:14, 19-Aug-2018
13, 8.90, 21.7, 64, 738, 00 , 11:17:14, 19-Aug-2018
14, 7.79, 21.8, 64, 738, 00 , 11:32:14, 19-Aug-2018
15, 8.10, 21.8, 63, 738, 00 , 11:47:14, 19-Aug-2018
16, 7.31, 22.0, 63, 738, 00 , 12:02:14, 19-Aug-2018
17, 6.65, 22.5, 63, 738, 00 , 12:17:14, 19-Aug-2018
18, 6.88, 22.7, 63, 738, 00 , 12:32:14, 19-Aug-2018
19, 7.03, 22.4, 63, 738, 00 , 12:47:14, 19-Aug-2018
20, 6.66, 22.6, 63, 738, 00 , 13:02:14, 19-Aug-2018
21, 6.72, 23.7, 59, 738, 00 , 13:17:14, 19-Aug-2018
22, 7.24, 24.8, 55, 738, 00 , 13:32:14, 19-Aug-2018
23, 7.63, 25.4, 52, 738, 00 , 13:47:14, 19-Aug-2018
24, 9.90, 25.7, 51, 738, 00 , 14:02:14, 19-Aug-2018
25, 10.10, 25.9, 51, 738, 00 , 14:17:14, 19-Aug-2018
26, 9.31, 26.0, 51, 738, 00 , 14:32:14, 19-Aug-2018
27, 12.21, 26.2, 51, 738, 00 , 14:47:14, 19-Aug-2018
28, 10.66, 26.2, 51, 738, 00 , 15:02:14, 19-Aug-2018
29, 7.83, 26.2, 51, 738, 00 , 15:17:14, 19-Aug-2018
30, 8.37, 26.6, 51, 738, 00 , 15:32:14, 19-Aug-2018
31, 9.78, 26.7, 50, 738, 00 , 15:47:14, 19-Aug-2018
32, 8.90, 26.7, 50, 738, 00 , 16:02:14, 19-Aug-2018
33, 9.32, 26.5, 49, 738, 00 , 16:17:14, 19-Aug-2018
34, 9.27, 26.4, 51, 738, 00 , 16:32:14, 19-Aug-2018
35, 9.37, 26.6, 51, 738, 00 , 16:47:14, 19-Aug-2018
36, 9.38, 26.7, 50, 738, 00 , 17:02:14, 19-Aug-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 19-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 19-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 11	Unit 13 UW	Unit 14	Unit 12	Unit 15	Unit tr	Threshold	Trigger
2018-08-19 08:30:00	-1.8	12.97	-4	-1.11	-2.8		150	100
2018-08-19 08:45:00	1.39	10.23	-2.17	1.74	-2.17		150	100
2018-08-19 09:00:00	1.87	11.59	-2.15	1.46	-2.85		150	100
2018-08-19 09:15:00	0.83	9.49	-0.86	3.29	-2.34		150	100
2018-08-19 09:30:00	2.03	8.54	-1.81	3	4.92		150	100
2018-08-19 09:45:00	0.4	8.04	-1.96	3.16	-1.94		150	100
2018-08-19 10:00:00	6.62	7.81	-2.06	4.84	-2.06		150	100
2018-08-19 10:15:00	3.71	7.28	-2	4.43	-1.6		150	100
2018-08-19 10:30:00	-0.55	6.92	-2.32	2.57	-1.98		150	100
2018-08-19 10:45:00	0.13	6.94	-2.42	2.41	-1.83		150	100
2018-08-19 11:00:00	0.38	7.05	-2.18	2.35	-1.95		150	100
2018-08-19 11:15:00	1.34	7.16	-2.41	3.1	-2.05		150	100
2018-08-19 11:30:00	1.37	6.59	-2.13	2.07	-1.72		150	100
2018-08-19 11:45:00	0.47	6.71	-2.08	3.95	-1.75		150	100
2018-08-19 12:00:00	1.02	6.76	-2.2	4.09	-1.37		150	100
2018-08-19 12:15:00	-0.72	7.03	-2.15	1.95	-1.46		150	100
2018-08-19 12:30:00	-0.94	7.34	-2.68	1.96	-1.66		150	100
2018-08-19 12:45:00	-0.73	7.2	-2.34	2.34	-1.3		150	100
2018-08-19 13:00:00	-0.68	7.24	-2.49	2.17	-0.73		150	100
2018-08-19 13:15:00	-0.24	6.86	-2.28	3.1	-0.8		150	100
2018-08-19 13:30:00	1.68	6.46	-2.26	18.82	-0.9		150	100
2018-08-19 13:45:00	-0.02	6.36	-2.34	4.93	-0.67		150	100
2018-08-19 14:00:00	3.77	6.68	-2.74	4.74	-0.88		150	100
2018-08-19 14:15:00	0.95	6.35	-2.68	5.04	-0.87		150	100
2018-08-19 14:30:00	2.46	6.49	-3.2	33.9	-0.52		150	100
2018-08-19 14:45:00	9.95	6.32	-3.24	8.02	-0.74		150	100
2018-08-19 15:00:00	1.86	5.96	-3	7.15	4.49		150	100
2018-08-19 15:15:00	1.21	6.04	-3.15	5.18	-0.78		150	100
2018-08-19 15:30:00	2.39	6.12	-3.25	5.23	-0.55		150	100
2018-08-19 15:45:00	2.57	6.59	-3.27	5.38	7.52		150	100
2018-08-19 16:00:00	11.98	7.54	-3.22	18.19	-0.61		150	100
2018-08-19 16:15:00	7.24	7.76		5.29			150	100

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"Unit ", 0
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"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 14:32:32 19-Aug-2018
"Max STEL ", 26.692109
"Max STEL @ ", 16:08:03 19-Aug-2018
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"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 11.17, 20.3, 68, 738, 02 , 08:30:53, 19-Aug-2018
2, 11.62, 21.0, 65, 738, 00 , 08:45:53, 19-Aug-2018
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21, 8.14, 28.7, 42, 738, 00 , 13:30:53, 19-Aug-2018
22, 6.34, 29.5, 40, 738, 00 , 13:45:53, 19-Aug-2018
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25, 8.95, 29.2, 40, 738, 00 , 14:30:53, 19-Aug-2018
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28, 7.25, 29.7, 41, 738, 00 , 15:15:53, 19-Aug-2018
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30, 9.16, 29.9, 40, 738, 00 , 15:45:53, 19-Aug-2018
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7, 7.81, 25.0, 57, 738, 00 , 10:02:50, 19-Aug-2018
8, 7.28, 25.6, 54, 738, 00 , 10:17:50, 19-Aug-2018
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10, 6.94, 26.0, 51, 738, 00 , 10:47:50, 19-Aug-2018
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12, 7.16, 25.5, 52, 738, 00 , 11:17:50, 19-Aug-2018
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20, 6.86, 28.1, 52, 738, 00 , 13:17:50, 19-Aug-2018
21, 6.46, 29.6, 45, 738, 00 , 13:32:50, 19-Aug-2018
22, 6.36, 30.9, 42, 738, 00 , 13:47:50, 19-Aug-2018
23, 6.68, 32.0, 41, 738, 00 , 14:02:50, 19-Aug-2018
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25, 6.49, 32.5, 39, 738, 00 , 14:32:50, 19-Aug-2018
26, 6.32, 32.6, 40, 738, 00 , 14:47:50, 19-Aug-2018
27, 5.96, 33.0, 41, 738, 00 , 15:02:50, 19-Aug-2018
28, 6.04, 33.3, 40, 738, 00 , 15:17:50, 19-Aug-2018
29, 6.12, 33.3, 39, 738, 00 , 15:32:50, 19-Aug-2018
30, 6.59, 33.1, 39, 738, 00 , 15:47:50, 19-Aug-2018
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"Max STEL ", 43.011217
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22, 11.29, 27.6, 44, 740, 00 , 13:46:33, 19-Aug-2018
23, 11.42, 28.2, 42, 740, 00 , 14:01:33, 19-Aug-2018
24, 11.39, 27.9, 42, 740, 00 , 14:16:33, 19-Aug-2018
25, 40.39, 26.7, 44, 740, 00 , 14:31:33, 19-Aug-2018
26, 14.34, 26.8, 45, 740, 00 , 14:46:33, 19-Aug-2018
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28, 11.22, 27.7, 44, 740, 00 , 15:16:33, 19-Aug-2018
29, 11.35, 27.7, 43, 740, 00 , 15:31:33, 19-Aug-2018
30, 11.97, 27.5, 43, 740, 00 , 15:46:33, 19-Aug-2018
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"RH CORRECT ", "ENABLED "
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"FlowRate ", 1.200000
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8, 5.68, 22.3, 57, 740, 00 , 10:19:59, 19-Aug-2018
9, 4.94, 22.5, 55, 740, 00 , 10:34:59, 19-Aug-2018
10, 5.11, 22.3, 56, 740, 00 , 10:49:59, 19-Aug-2018
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21, 5.56, 25.9, 46, 740, 00 , 13:34:59, 19-Aug-2018
22, 5.69, 26.9, 44, 740, 00 , 13:49:59, 19-Aug-2018
23, 5.80, 27.8, 42, 740, 00 , 14:04:59, 19-Aug-2018
24, 5.48, 28.0, 41, 740, 00 , 14:19:59, 19-Aug-2018
25, 5.97, 28.2, 41, 740, 00 , 14:34:59, 19-Aug-2018
26, 5.58, 28.5, 40, 740, 00 , 14:49:59, 19-Aug-2018
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28, 5.26, 28.8, 40, 740, 00 , 15:19:59, 19-Aug-2018
29, 5.57, 29.2, 39, 740, 00 , 15:34:59, 19-Aug-2018
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31, 6.93, 28.9, 38, 740, 00 , 16:04:59, 19-Aug-2018

DAILY OBSERVATION REPORT

Report No.:	72	Project File:	MN0832D	Date:	08/20/2018

Geosyntec consultants

engineers | scientists | innovators

Beech and Bonaparte engineering p.c.

an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Jim Burnett

Site Representative: Matt Schallinger

Arrive at Site: 0645hrs. Leave Site: 1845 hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Cloudy	am	Mostly Cloudy	Pm
Temperature:	63° F	am	75° F	Pm
Wind Direction:	2 NE	am	6 SE	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☒	No ☐	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 72 Project File: MN0832D Date: 08/20/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 5 Total Loads to date: 408

Weight: ~20 tons/each Total Weight to date: ~9390 Tons

Non Haz Soil Removal:

Total Loads today: 7 Total Loads to date: 256

Weight: 20-33 tons/each Total Weight to date: ~6019 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: Tons Total Weight to date: 175 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1189

Weight: ~21 Tons/each Total Weight to date: ~10,097 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	72	Project File:	MN0832D	Date:	08/20/2018

Summary of Events

AM

- Geosyntec arrived on site at 0645. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed work plan for the day. Held on site orientation for new personnel.
- Geosyntec calibrated and deployed dust monitors.
- School contractor continued working within phase 1.
- Approximately 5,000 gal of water was removed from an onsite frac tank staged in the western area of the at transported to an approved facility in Lancaster, PA.
- A crane and its operator mobilized to the site in order to begin the process of sheet pile removal.
- Recon continued to backfill and compact in phase 3 with imported fill material.
- Recon excavated TSCA material from the accumulation pad and temporarily staged this material along the eastern edge of the RPL. This material was placed on poly and contained with bin blocks.
- Recon loaded 4 TSCA trucks with elevated lead material for shipment to Envirosafe of Oregon, OH. Trucks were stationed over poly while being loaded.
- Recon excavated non-hazardous material in phase 3 and sent it to the MSA.
- Recon continues to spray water around the site multiple times during the day.

PM

- Scott Williams onsite.
- Backfilling efforts continued throughout the afternoon.
- Recon continues to uncover the extent of the previously unidentified utility moving northward.
- Recon excavates off of the utility lines and sheet pile wile using slopes.
- Recon pressure washed the concrete pier in the RPL truck wash and staged it in the MSA for characterization and disposal.
- An ATL technician was on-site from 0840 hrs to 1410 hrs, to perform in-place, moisture-density tests in compacted backfill; but was released from the site when it became apparent that the rate of imported fill delivery would not increase for the rest of today (rate of 1 truck per hour). No in-place, moisture-density tests were performed in compacted backfill today due to the small number of lifts.
- A bulk sample was collected from today's delivered imported fill. The ATL technician took the sample to the ATL office in Binghamton for geotechnical laboratory testing.
- Geosyntec collected sidewall samples off of the sheet pile and utility slopes in the south-central area of phase three.
- A 5th TSCA truck was loaded with elevated lead material and sent to Envriosafe.
- A total of 7 loads of non-hazardous material was loaded for offsite shipment from the MSA.
- Recon covered piles in the MSA and RPL at the end of the day.
- Geosyntec shut down and left site around 1745.

Report No.: 72 Project File: MN0832D Date: 08/20/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Rich Tonnucour
- (Recon labor) X17

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- CAT 725 Haul truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Denver Tyler	Atlantic Testing	Yes
Scott Williams	NYSDEC	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: 8/24/18

ITEMS OF CONCERN:

A very brief threshold exceedance occurred in the MSA around mid-morning.

DAILY OBSERVATION REPORT

Report No.:	72	Project File:	MN0832D	Date:	08/20/2018

Site Representative: Matt Schallinger

Name (Signature):

M. Schallinger

Photo Log
Date : 08/20/2018



Morning view of the RPL.



Sloping off of the sheetpile wall and utilities.



Pressure washing the concrete pier.



Geosyntec collecting sidewall samples in the RPL.

DAILY OBSERVATION REPORT

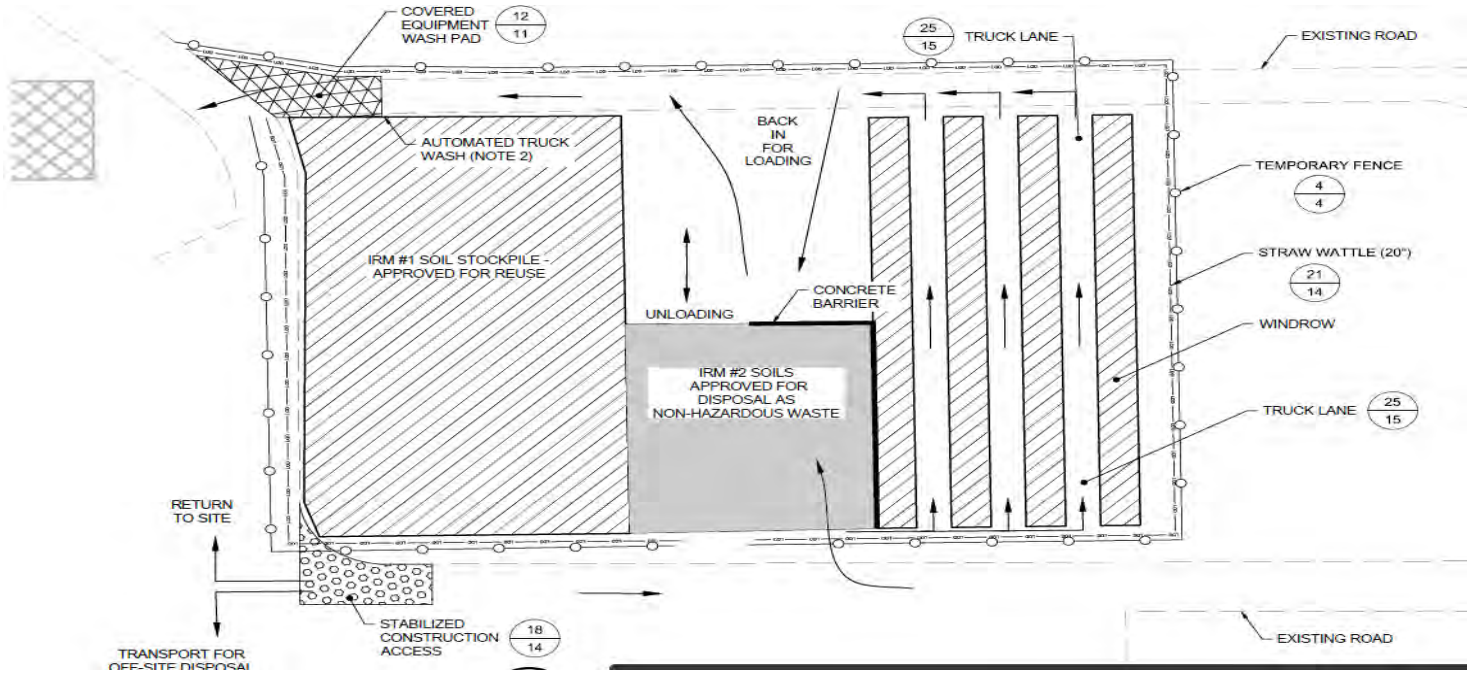
Report No.:	72	Project File:	MN0832D	Date:	08/20/2018

Site Map

Rear Parking Lot

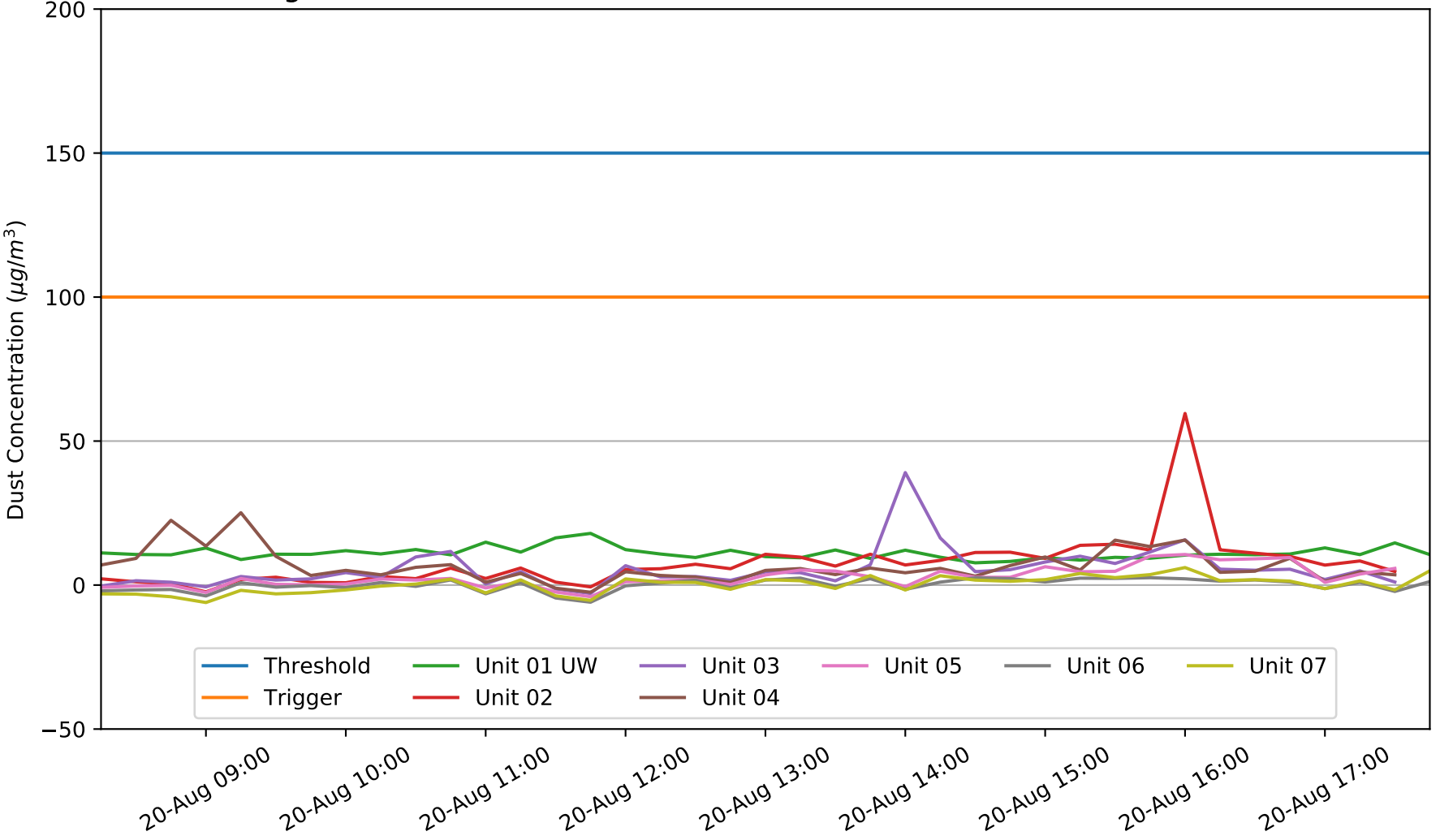


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 20-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 20-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 06	Unit 05	Unit 07	Unit 01 UW	Unit 03	Unit 04	Unit 02	Threshold	Trigger
2018-08-20 08:15:00	-2.04	-0.81	-3.06	11.17	-0.36	6.97	2.17	150	100
2018-08-20 08:30:00	-1.7	-0.32	-3.15	10.62	1.51	9.25	1.12	150	100
2018-08-20 08:45:00	-1.54	-0.08	-4.06	10.5	0.98	22.49	0.43	150	100
2018-08-20 09:00:00	-3.79	-2.58	-6.06	12.86	-0.63	13.51	-2.35	150	100
2018-08-20 09:15:00	0.82	2.27	-1.83	8.86	2.98	25.13	1.93	150	100
2018-08-20 09:30:00	-0.72	0.25	-3.06	10.71	1.73	9.98	2.72	150	100
2018-08-20 09:45:00	-0.17	0.08	-2.64	10.66	2.15	3.33	0.93	150	100
2018-08-20 10:00:00	-0.88	0.37	-1.69	11.95	4.32	5.11	0.81	150	100
2018-08-20 10:15:00	0.9	2.12	-0.36	10.8	2.69	3.57	2.96	150	100
2018-08-20 10:30:00	-0.45	1.74	0.34	12.34	9.75	6.16	2.23	150	100
2018-08-20 10:45:00	1.78	2.3	2.07	10.49	11.68	7.09	5.88	150	100
2018-08-20 11:00:00	-3.03	-0.98	-2.73	14.89	0.37	0.99	2.28	150	100
2018-08-20 11:15:00	0.78	1.06	1.81	11.44	4.69	4.04	5.92	150	100
2018-08-20 11:30:00	-4.48	-2.42	-3.74	16.38	-1.35	-1.09	1.01	150	100
2018-08-20 11:45:00	-5.95	-4.04	-5.32	17.94	-2.92	-2.49	-0.64	150	100
2018-08-20 12:00:00	-0.26	1.16	2.13	12.3	6.73	4.62	5.42	150	100
2018-08-20 12:15:00	0.7	1.43	0.98	10.78	2.82	3.34	5.67	150	100
2018-08-20 12:30:00	1.71	1.88	0.91	9.57	2.97	2.78	7.23	150	100
2018-08-20 12:45:00	-0.93	0.2	-1.46	12.08	1.64	0.92	5.67	150	100
2018-08-20 13:00:00	1.74	3.5	1.88	9.87	4.56	5.09	10.68	150	100
2018-08-20 13:15:00	2.42	5.2	1.51	9.48	4.28	5.73	9.69	150	100
2018-08-20 13:30:00	-0.42	4.86	-1.18	12.18	1.48	3.64	6.58	150	100
2018-08-20 13:45:00	2.21	2.9	3.31	9.24	7.02	5.88	10.7	150	100
2018-08-20 14:00:00	-1.51	-0.55	-1.72	12.11	39.06	4.27	6.97	150	100
2018-08-20 14:15:00	1.01	4.82	3.25	9.68	16.35	5.79	8.58	150	100
2018-08-20 14:30:00	2.52	2.69	1.72	7.72	4.66	3.09	11.31	150	100
2018-08-20 14:45:00	2.24	2.69	1.32	8.21	5.34	6.78	11.41	150	100
2018-08-20 15:00:00	1.07	6.37	1.88	9.48	8	9.76	9.27	150	100
2018-08-20 15:15:00	2.39	4.62	4.02	8.67	10.02	5.24	13.79	150	100
2018-08-20 15:30:00	2.31	4.77	2.58	9.63	7.49	15.6	14.18	150	100
2018-08-20 15:45:00	2.55	10.03	3.62	9.32	11.48	13.36	12.16	150	100
2018-08-20 16:00:00	2.17	10.61	6.08	10.4	15.72	15.63	59.59	150	100
2018-08-20 16:15:00	1.37	8.78	1.52	10.7	5.52	4.42	12.24	150	100
2018-08-20 16:30:00	1.78	9.11	1.87	10.54	5.15	4.81	11.07	150	100
2018-08-20 16:45:00	1.06	9.56	1.37	10.78	5.5	9.31	9.96	150	100
2018-08-20 17:00:00	-1.23	0.93	-1.24	12.91	1.94	1.28	6.93	150	100
2018-08-20 17:15:00	0.95	3.81	1.46	10.57	4.93	4.52	8.37	150	100
2018-08-20 17:30:00	-2.21	5.79	-1.67	14.64	1.05	3.56	4.72	150	100
2018-08-20 17:45:00	1.2		4.95	10.58				150	100

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7, 10.74, 21.5, 68, 742, 00 , 09:45:03, 20-Aug-2018
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34, 19.65, 26.7, 48, 740, 00 , 16:30:03, 20-Aug-2018
35, 20.34, 26.4, 50, 740, 00 , 16:45:03, 20-Aug-2018
36, 13.84, 26.1, 50, 740, 00 , 17:00:03, 20-Aug-2018
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37, 10.57, 30.3, 39, 740, 00 , 17:15:03, 20-Aug-2018
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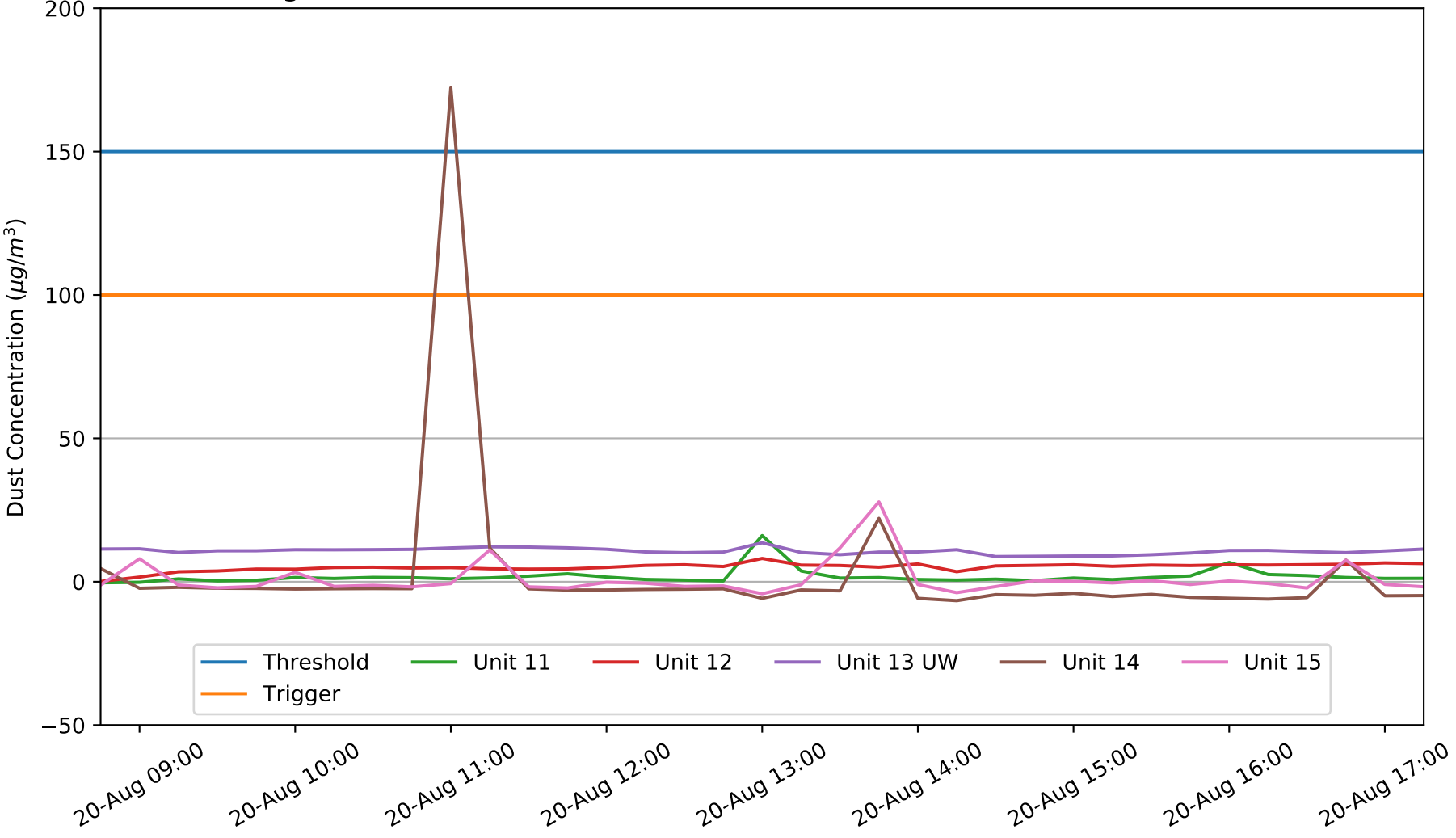
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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 10.81, 11.2, 68, 744, 01 , 08:15:03, 20-Aug-2018
2, 12.13, 11.6, 68, 744, 00 , 08:30:03, 20-Aug-2018
3, 11.48, 12.0, 66, 744, 00 , 08:45:03, 20-Aug-2018
4, 12.23, 12.7, 64, 744, 00 , 09:00:03, 20-Aug-2018
5, 11.84, 13.5, 61, 744, 00 , 09:15:03, 20-Aug-2018
6, 12.44, 15.2, 56, 744, 00 , 09:30:03, 20-Aug-2018
7, 12.81, 17.7, 49, 744, 00 , 09:45:03, 20-Aug-2018
8, 16.27, 20.6, 41, 744, 00 , 10:00:03, 20-Aug-2018
9, 13.49, 23.2, 35, 744, 00 , 10:15:03, 20-Aug-2018
10, 22.09, 25.0, 32, 744, 00 , 10:30:03, 20-Aug-2018
11, 22.17, 25.0, 30, 744, 00 , 10:45:03, 20-Aug-2018
12, 15.26, 22.6, 34, 744, 00 , 11:00:03, 20-Aug-2018
13, 16.13, 21.4, 37, 744, 00 , 11:15:03, 20-Aug-2018
14, 15.03, 20.9, 38, 744, 00 , 11:30:03, 20-Aug-2018
15, 15.02, 21.0, 38, 744, 00 , 11:45:03, 20-Aug-2018
16, 19.03, 22.2, 36, 744, 00 , 12:00:03, 20-Aug-2018
17, 13.60, 26.0, 29, 744, 00 , 12:15:03, 20-Aug-2018
18, 12.54, 29.3, 23, 742, 00 , 12:30:03, 20-Aug-2018
19, 13.72, 31.5, 21, 742, 00 , 12:45:03, 20-Aug-2018
20, 14.43, 32.7, 20, 742, 00 , 13:00:03, 20-Aug-2018
21, 13.76, 33.8, 19, 742, 00 , 13:15:03, 20-Aug-2018
22, 13.66, 34.5, 19, 742, 00 , 13:30:03, 20-Aug-2018
23, 16.26, 34.5, 19, 742, 00 , 13:45:03, 20-Aug-2018
24, 51.17, 34.8, 18, 742, 58 , 14:00:03, 20-Aug-2018
25, 26.03, 33.0, 19, 742, 00 , 14:15:03, 20-Aug-2018
26, 12.38, 29.2, 21, 742, 00 , 14:30:03, 20-Aug-2018
27, 13.55, 26.9, 26, 742, 00 , 14:45:03, 20-Aug-2018
28, 17.48, 25.1, 29, 742, 00 , 15:00:03, 20-Aug-2018
29, 18.69, 24.4, 30, 742, 00 , 15:15:03, 20-Aug-2018
30, 17.12, 23.6, 31, 742, 00 , 15:30:03, 20-Aug-2018
31, 20.80, 22.9, 33, 742, 00 , 15:45:03, 20-Aug-2018
32, 26.12, 22.2, 33, 742, 00 , 16:00:03, 20-Aug-2018
33, 16.22, 21.6, 34, 740, 00 , 16:15:03, 20-Aug-2018
34, 15.69, 21.0, 36, 740, 00 , 16:30:03, 20-Aug-2018
35, 16.28, 20.8, 38, 742, 00 , 16:45:03, 20-Aug-2018
36, 14.85, 20.5, 37, 742, 00 , 17:00:03, 20-Aug-2018
37, 15.50, 20.2, 38, 742, 00 , 17:15:03, 20-Aug-2018
38, 15.69, 20.1, 39, 742, 00 , 17:30:03, 20-Aug-2018

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"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 174.700284
"Max Disp @ ", 08:00:04 20-Aug-2018
"Max STEL ", 36.298263
"Max STEL @ ", 09:18:33 20-Aug-2018
"Avg point ", 17.787777
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
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"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 18.14, 20.9, 71, 742, 01 , 08:15:03, 20-Aug-2018
2, 19.87, 21.8, 69, 742, 00 , 08:30:03, 20-Aug-2018
3, 32.99, 22.7, 67, 742, 00 , 08:45:03, 20-Aug-2018
4, 26.37, 23.7, 63, 742, 00 , 09:00:03, 20-Aug-2018
5, 33.99, 24.7, 59, 742, 00 , 09:15:03, 20-Aug-2018
6, 20.69, 25.6, 56, 742, 00 , 09:30:03, 20-Aug-2018
7, 13.99, 26.5, 54, 742, 00 , 09:45:03, 20-Aug-2018
8, 17.06, 27.6, 51, 742, 00 , 10:00:03, 20-Aug-2018
9, 14.37, 28.6, 47, 742, 00 , 10:15:03, 20-Aug-2018
10, 18.50, 29.4, 45, 742, 00 , 10:30:03, 20-Aug-2018
11, 17.58, 29.6, 44, 742, 00 , 10:45:03, 20-Aug-2018
12, 15.88, 28.7, 46, 742, 00 , 11:00:03, 20-Aug-2018
13, 15.48, 28.3, 47, 742, 00 , 11:15:03, 20-Aug-2018
14, 15.29, 28.4, 47, 742, 00 , 11:30:03, 20-Aug-2018
15, 15.45, 28.7, 47, 742, 00 , 11:45:03, 20-Aug-2018
16, 16.92, 29.4, 46, 742, 00 , 12:00:03, 20-Aug-2018
17, 14.12, 31.0, 42, 742, 00 , 12:15:03, 20-Aug-2018
18, 12.35, 32.2, 38, 742, 00 , 12:30:03, 20-Aug-2018
19, 13.00, 32.8, 37, 742, 00 , 12:45:03, 20-Aug-2018
20, 14.96, 33.5, 36, 742, 00 , 13:00:03, 20-Aug-2018
21, 15.21, 34.1, 36, 742, 00 , 13:15:03, 20-Aug-2018
22, 15.82, 34.8, 34, 742, 00 , 13:30:03, 20-Aug-2018
23, 15.12, 35.0, 34, 742, 00 , 13:45:03, 20-Aug-2018
24, 16.38, 35.5, 33, 740, 00 , 14:00:03, 20-Aug-2018
25, 15.47, 35.7, 32, 740, 00 , 14:15:03, 20-Aug-2018
26, 10.81, 35.9, 32, 740, 00 , 14:30:03, 20-Aug-2018
27, 14.99, 36.2, 30, 740, 00 , 14:45:03, 20-Aug-2018
28, 19.24, 36.1, 31, 740, 00 , 15:00:03, 20-Aug-2018
29, 13.91, 36.5, 31, 740, 00 , 15:15:03, 20-Aug-2018
30, 25.23, 36.6, 30, 740, 00 , 15:30:03, 20-Aug-2018
31, 22.68, 36.3, 30, 740, 00 , 15:45:03, 20-Aug-2018
32, 26.03, 36.0, 31, 740, 00 , 16:00:03, 20-Aug-2018
33, 15.12, 35.6, 32, 740, 00 , 16:15:03, 20-Aug-2018
34, 15.35, 34.0, 34, 740, 00 , 16:30:03, 20-Aug-2018
35, 20.09, 32.7, 37, 740, 00 , 16:45:03, 20-Aug-2018
36, 14.19, 31.3, 39, 740, 00 , 17:00:03, 20-Aug-2018
37, 15.09, 30.1, 42, 740, 00 , 17:15:03, 20-Aug-2018
38, 18.20, 29.6, 43, 740, 00 , 17:30:03, 20-Aug-2018

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"Number ", 38
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"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 741.819096
"Max Disp @ ", 15:57:16 20-Aug-2018
"Max STEL ", 70.571404
"Max STEL @ ", 16:10:47 20-Aug-2018
"Avg point ", 18.738472
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 13.34, 16.0, 72, 744, 01 , 08:17:17, 20-Aug-2018
2, 11.74, 16.3, 75, 744, 00 , 08:32:17, 20-Aug-2018
3, 10.93, 16.6, 75, 744, 00 , 08:47:17, 20-Aug-2018
4, 10.51, 17.0, 73, 744, 00 , 09:02:17, 20-Aug-2018
5, 10.79, 17.5, 70, 744, 00 , 09:17:17, 20-Aug-2018
6, 13.43, 18.0, 68, 744, 00 , 09:32:17, 20-Aug-2018
7, 11.59, 18.8, 69, 744, 00 , 09:47:17, 20-Aug-2018
8, 12.76, 19.6, 65, 744, 00 , 10:02:17, 20-Aug-2018
9, 13.76, 20.6, 60, 744, 00 , 10:17:17, 20-Aug-2018
10, 14.57, 21.8, 57, 744, 00 , 10:32:17, 20-Aug-2018
11, 16.37, 22.8, 50, 744, 00 , 10:47:17, 20-Aug-2018
12, 17.17, 23.3, 50, 744, 00 , 11:02:17, 20-Aug-2018
13, 17.36, 23.8, 48, 744, 00 , 11:17:17, 20-Aug-2018
14, 17.39, 24.3, 47, 744, 00 , 11:32:17, 20-Aug-2018
15, 17.30, 24.9, 46, 744, 00 , 11:47:17, 20-Aug-2018
16, 17.72, 25.8, 44, 744, 00 , 12:02:17, 20-Aug-2018
17, 16.45, 27.1, 39, 744, 00 , 12:17:17, 20-Aug-2018
18, 16.80, 28.2, 36, 742, 00 , 12:32:17, 20-Aug-2018
19, 17.75, 29.2, 33, 742, 00 , 12:47:17, 20-Aug-2018
20, 20.55, 30.2, 32, 742, 00 , 13:02:17, 20-Aug-2018
21, 19.17, 31.1, 30, 742, 00 , 13:17:17, 20-Aug-2018
22, 18.76, 31.9, 27, 742, 00 , 13:32:17, 20-Aug-2018
23, 19.94, 32.6, 26, 742, 00 , 13:47:17, 20-Aug-2018
24, 19.08, 33.4, 25, 742, 00 , 14:02:17, 20-Aug-2018
25, 18.26, 34.0, 23, 742, 00 , 14:17:17, 20-Aug-2018
26, 19.03, 34.7, 23, 742, 00 , 14:32:17, 20-Aug-2018
27, 19.62, 35.1, 20, 742, 00 , 14:47:17, 20-Aug-2018
28, 18.75, 35.4, 21, 742, 00 , 15:02:17, 20-Aug-2018
29, 22.46, 35.9, 19, 742, 00 , 15:17:17, 20-Aug-2018
30, 23.81, 36.2, 18, 742, 00 , 15:32:17, 20-Aug-2018
31, 21.48, 36.5, 18, 742, 00 , 15:47:17, 20-Aug-2018
32, 69.99, 36.5, 18, 742, 00 , 16:02:17, 20-Aug-2018
33, 22.94, 36.5, 17, 742, 00 , 16:17:17, 20-Aug-2018
34, 21.61, 34.8, 20, 742, 00 , 16:32:17, 20-Aug-2018
35, 20.74, 33.5, 22, 742, 00 , 16:47:17, 20-Aug-2018
36, 19.84, 31.5, 26, 742, 00 , 17:02:17, 20-Aug-2018
37, 18.94, 29.9, 29, 742, 00 , 17:17:17, 20-Aug-2018
38, 19.36, 29.2, 32, 740, 00 , 17:32:17, 20-Aug-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 20-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 20-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 15	Unit 12	Unit 13 UW	Unit 14	Unit 11	Threshold	Trigger
2018-08-20 08:45:00	-1.17	0.1	11.41	4.6	-0.36	150	100
2018-08-20 09:00:00	8	1.62	11.49	-2.29	-0.2	150	100
2018-08-20 09:15:00	-1.15	3.47	10.2	-1.95	0.98	150	100
2018-08-20 09:30:00	-2.14	3.75	10.78	-2.28	0.3	150	100
2018-08-20 09:45:00	-1.64	4.42	10.79	-2.33	0.51	150	100
2018-08-20 10:00:00	3.29	4.37	11.16	-2.55	1.48	150	100
2018-08-20 10:15:00	-1.64	4.96	11.13	-2.44	1.13	150	100
2018-08-20 10:30:00	-1.26	5.06	11.19	-2.38	1.52	150	100
2018-08-20 10:45:00	-1.79	4.78	11.29	-2.42	1.42	150	100
2018-08-20 11:00:00	-0.65	4.93	11.78	172.28	1.02	150	100
2018-08-20 11:15:00	11.08	4.51	12.17	11.76	1.34	150	100
2018-08-20 11:30:00	-1.79	4.41	12.09	-2.48	1.95	150	100
2018-08-20 11:45:00	-2.19	4.48	11.82	-2.9	2.77	150	100
2018-08-20 12:00:00	-0.18	4.99	11.32	-2.89	1.62	150	100
2018-08-20 12:15:00	-0.52	5.69	10.39	-2.7	0.79	150	100
2018-08-20 12:30:00	-1.64	5.92	10.14	-2.61	0.56	150	100
2018-08-20 12:45:00	-1.47	5.3	10.34	-2.47	0.27	150	100
2018-08-20 13:00:00	-4.2	8.11	13.59	-5.8	16.1	150	100
2018-08-20 13:15:00	-1.05	5.79	10.21	-2.87	3.75	150	100
2018-08-20 13:30:00	11.82	5.66	9.43	-3.19	1.27	150	100
2018-08-20 13:45:00	27.85	5.06	10.34	22.1	1.45	150	100
2018-08-20 14:00:00	-0.98	6.2	10.38	-5.8	0.77	150	100
2018-08-20 14:15:00	-3.82	3.5	11.16	-6.61	0.56	150	100
2018-08-20 14:30:00	-1.7	5.52	8.78	-4.5	0.89	150	100
2018-08-20 14:45:00	0.34	5.7	8.87	-4.75	0.37	150	100
2018-08-20 15:00:00	0.14	5.92	8.97	-4.04	1.29	150	100
2018-08-20 15:15:00	-0.43	5.37	8.99	-5.16	0.73	150	100
2018-08-20 15:30:00	0.4	5.8	9.42	-4.41	1.47	150	100
2018-08-20 15:45:00	-0.97	5.64	10.02	-5.46	2.01	150	100
2018-08-20 16:00:00	0.28	5.92	10.9	-5.78	6.72	150	100
2018-08-20 16:15:00	-0.62	5.82	10.93	-6.05	2.53	150	100
2018-08-20 16:30:00	-2.19	5.94	10.5	-5.55	2.13	150	100
2018-08-20 16:45:00	7.5	6.11	10.15	7.54	1.48	150	100
2018-08-20 17:00:00	-0.94	6.55	10.75	-4.92	1.15	150	100
2018-08-20 17:15:00	-1.77	6.33	11.39	-4.84	1.17	150	100

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"Log Period ", 00:15:00
"Number ", 35
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"Unit ", 0
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"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 614.894629
"Max Disp @ ", 13:30:43 20-Aug-2018
"Max STEL ", 51.447272
"Max STEL @ ", 13:39:43 20-Aug-2018
"Avg point ", 11.630919
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
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1, 10.24, 19.3, 65, 744, 00 , 08:45:03, 20-Aug-2018
2, 19.49, 20.1, 64, 744, 00 , 09:00:03, 20-Aug-2018
3, 9.05, 21.0, 62, 744, 00 , 09:15:03, 20-Aug-2018
4, 8.64, 21.9, 60, 744, 00 , 09:30:03, 20-Aug-2018
5, 9.15, 22.8, 56, 744, 00 , 09:45:03, 20-Aug-2018
6, 14.45, 23.8, 54, 744, 00 , 10:00:03, 20-Aug-2018
7, 9.49, 24.8, 50, 744, 00 , 10:15:03, 20-Aug-2018
8, 9.93, 25.6, 48, 744, 00 , 10:30:03, 20-Aug-2018
9, 9.50, 26.3, 44, 744, 00 , 10:45:03, 20-Aug-2018
10, 11.13, 26.3, 44, 744, 00 , 11:00:03, 20-Aug-2018
11, 23.25, 26.5, 44, 744, 00 , 11:15:03, 20-Aug-2018
12, 10.30, 26.7, 44, 744, 00 , 11:30:03, 20-Aug-2018
13, 9.63, 27.2, 43, 744, 00 , 11:45:03, 20-Aug-2018
14, 11.14, 27.8, 42, 744, 00 , 12:00:03, 20-Aug-2018
15, 9.87, 28.3, 39, 744, 00 , 12:15:03, 20-Aug-2018
16, 8.50, 28.9, 39, 742, 00 , 12:30:03, 20-Aug-2018
17, 8.87, 29.6, 36, 742, 00 , 12:45:03, 20-Aug-2018
18, 9.39, 30.2, 35, 742, 00 , 13:00:03, 20-Aug-2018
19, 9.16, 31.2, 34, 742, 00 , 13:15:03, 20-Aug-2018
20, 21.25, 32.5, 32, 742, 00 , 13:30:03, 20-Aug-2018
21, 38.19, 33.6, 30, 742, 00 , 13:45:03, 20-Aug-2018
22, 9.40, 34.2, 28, 742, 00 , 14:00:03, 20-Aug-2018
23, 7.34, 35.2, 27, 742, 00 , 14:15:03, 20-Aug-2018
24, 7.08, 36.2, 24, 742, 00 , 14:30:03, 20-Aug-2018
25, 9.21, 37.1, 23, 742, 00 , 14:45:03, 20-Aug-2018
26, 9.11, 37.7, 22, 742, 00 , 15:00:03, 20-Aug-2018
27, 8.56, 38.4, 21, 742, 00 , 15:15:03, 20-Aug-2018
28, 9.82, 38.7, 20, 742, 00 , 15:30:03, 20-Aug-2018
29, 9.05, 39.2, 20, 742, 00 , 15:45:03, 20-Aug-2018
30, 11.18, 39.4, 19, 742, 00 , 16:00:03, 20-Aug-2018
31, 10.31, 39.7, 18, 742, 00 , 16:15:03, 20-Aug-2018
32, 8.31, 37.6, 20, 742, 00 , 16:30:03, 20-Aug-2018
33, 17.65, 35.8, 23, 742, 00 , 16:45:03, 20-Aug-2018
34, 9.81, 33.1, 28, 742, 00 , 17:00:03, 20-Aug-2018
35, 9.62, 31.2, 33, 742, 00 , 17:15:03, 20-Aug-2018

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"Log Period ", 00:15:00
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"Unit ", 0
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"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 80.413895
"Max Disp @ ", 12:56:28 20-Aug-2018
"Max STEL ", 21.954308
"Max STEL @ ", 13:10:23 20-Aug-2018
"Avg point ", 15.771072
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 11.51, 17.6, 72, 744, 00 , 08:45:03, 20-Aug-2018
2, 13.11, 19.3, 68, 744, 00 , 09:00:03, 20-Aug-2018
3, 13.67, 20.7, 63, 744, 00 , 09:15:03, 20-Aug-2018
4, 14.53, 22.0, 59, 744, 00 , 09:30:03, 20-Aug-2018
5, 15.21, 23.1, 56, 744, 00 , 09:45:03, 20-Aug-2018
6, 15.53, 24.4, 52, 744, 00 , 10:00:03, 20-Aug-2018
7, 16.09, 25.1, 49, 744, 00 , 10:15:03, 20-Aug-2018
8, 16.25, 25.1, 49, 744, 00 , 10:30:03, 20-Aug-2018
9, 16.07, 24.8, 49, 744, 00 , 10:45:03, 20-Aug-2018
10, 16.71, 23.9, 51, 744, 00 , 11:00:03, 20-Aug-2018
11, 16.68, 23.7, 53, 744, 00 , 11:15:03, 20-Aug-2018
12, 16.50, 23.7, 53, 744, 00 , 11:30:03, 20-Aug-2018
13, 16.30, 23.9, 52, 744, 00 , 11:45:03, 20-Aug-2018
14, 16.31, 24.3, 51, 744, 00 , 12:00:03, 20-Aug-2018
15, 16.08, 26.3, 45, 744, 00 , 12:15:03, 20-Aug-2018
16, 16.06, 27.2, 43, 744, 00 , 12:30:03, 20-Aug-2018
17, 15.64, 27.8, 41, 742, 00 , 12:45:03, 20-Aug-2018
18, 21.70, 28.2, 40, 742, 00 , 13:00:03, 20-Aug-2018
19, 16.00, 28.3, 43, 742, 00 , 13:15:03, 20-Aug-2018
20, 15.09, 28.4, 42, 742, 00 , 13:30:03, 20-Aug-2018
21, 15.40, 28.2, 42, 742, 00 , 13:45:03, 20-Aug-2018
22, 16.58, 28.0, 41, 742, 00 , 14:00:03, 20-Aug-2018
23, 14.66, 27.8, 42, 742, 00 , 14:15:03, 20-Aug-2018
24, 14.30, 27.3, 43, 742, 00 , 14:30:03, 20-Aug-2018
25, 14.57, 27.2, 43, 742, 00 , 14:45:03, 20-Aug-2018
26, 14.89, 26.8, 43, 742, 00 , 15:00:03, 20-Aug-2018
27, 14.36, 26.6, 43, 742, 00 , 15:15:03, 20-Aug-2018
28, 15.22, 26.6, 44, 742, 00 , 15:30:03, 20-Aug-2018
29, 15.66, 26.7, 44, 742, 00 , 15:45:03, 20-Aug-2018
30, 16.82, 26.5, 43, 742, 00 , 16:00:03, 20-Aug-2018
31, 16.75, 25.8, 45, 742, 00 , 16:15:03, 20-Aug-2018
32, 16.44, 25.0, 47, 742, 00 , 16:30:03, 20-Aug-2018
33, 16.26, 25.0, 47, 742, 00 , 16:45:03, 20-Aug-2018
34, 17.30, 24.7, 48, 742, 01 , 17:00:03, 20-Aug-2018
35, 17.72, 24.3, 49, 742, 00 , 17:15:03, 20-Aug-2018

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"Log Period ", 00:15:00
"Number   ", 35
"CalFactor   ", 1.000000
"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
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"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
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4, 10.78, 23.4, 63, 742, 00 , 09:30:03, 20-Aug-2018
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6, 11.16, 24.9, 59, 742, 00 , 10:00:03, 20-Aug-2018
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31, 10.93, 33.0, 38, 740, 00 , 16:15:03, 20-Aug-2018
32, 10.50, 32.3, 39, 740, 00 , 16:30:03, 20-Aug-2018
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"Max STEL ", 198.818188
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"RH CORRECT ", "ENABLED "
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DAILY OBSERVATION REPORT

Report No.:	73	Project File:	MN0832D	Date:	08/21/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Jim Burnett

Site Representative: Matt Schallinger

Arrive at Site: 0645hrs. Leave Site: 1845 hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Cloudy	am	Mostly Cloudy	Pm
Temperature:	63° F	am	75° F	Pm
Wind Direction:	9 S	am	7 SE	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 73 Project File: MN0832D Date: 08/21/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 20 Total Loads to date: 428

Weight: ~20 tons/each Total Weight to date: ~9790 Tons

Non Haz Soil Removal:

Total Loads today: 0 Total Loads to date: 256

Weight: 20-33 tons/each Total Weight to date: ~6019 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: Tons Total Weight to date: 175 Tons

Imported Common Fill:

Total Loads today: 104 Total Loads to date: ~1317

Weight: ~21 Tons/each Total Weight to date: ~12,785Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	73	Project File:	MN0832D	Date:	08/21/2018

Summary of Events

AM

- Geosyntec arrived on site at 0645. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed work plan for the day. Talked about personal safety and awareness around site traffic.
- Geosyntec calibrated and deployed dust monitors. Monitors were not deployed in the MSA because no material loading or construction activities were going on in that area until the very end of the day.
- Geosyntec deployed TISCH samplers.
- Seth Lovell onsite to survey current extent of excavation.
- Recon subcontracted Ricelli trucks to import fill material from Brewers Pit. This material was unloaded in the western edge of the RPL for immediate backfill and compaction.
- School contractor continued working within phase 1 and was assisted by Recon.
- Approximately 11,000 gal of non-hazardous water was removed from an onsite frac tank staged in the western area of the RPL and transported to an approved facility in Lancaster, PA.
- Geosyntec collected bottom samples B1500 and B1502.
- Recon pumped ponded water in phase 3 to a vac truck and a frac tank staged near the TSCA loading pad. Once the water was pumped out a demarcation layer was laid down and backfilled.
- Recon continued to backfill and compact in phase 3 with imported fill material.
- Recon loaded 10 TSCA trucks with elevated lead material for shipment to Envirosafe of Oregon, OH. Trucks were stationed over poly while being loaded.
- Recon continues to spray water around the site multiple times during the day.

PM

- Scott Williams onsite.
- Aron Krasnopoler onsite.
- 10 TSCA trucks were loaded form the temporary TSCA staging area over poly and sent to US Ecology in Belleville, MI.
- Backfilling efforts consisting of fill and reuse material continued throughout the afternoon.
- Recon and Geosyntec determined that the utility uncovered on Sunday afternoon is indeed the storm sewer.
- Recon excavates off of the utility lines and sheet pile wile using slopes.
- Recon constructed a temporary road in the RPL using crane mats. This road will be used for TSCA loadout from the temporary staging area.
- A bulk sample was collected from today's delivered imported fill. The ATL technician took the sample to the ATL office in Binghamton for geotechnical laboratory testing. In-place, moisture-density tests were not performed today due to rain.
- Recon excavated non-hazardous material in phase 3 and sent it to the MSA.
- A total of 0 loads of non-hazardous material was loaded for offsite shipment from the MSA.
- Recon covered piles in the MSA and RPL at the end of the day.
- Geosyntec collected dust monitors and analyzed the data. Tisch samples were also collected.
- Geosyntec shut down and left site around 1745.

Report No.: 73 Project File: MN0832D Date: 08/21/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Rich Tonnucour
- (Recon labor) X17

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- CAT 725 Haul truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Denver Tyler	Atlantic Testing	Yes
Scott Williams	DEC	Yes
Seth Lovell	Hunt	Yes
Aron Krasnopoler	Geosyntec	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: 8/24/18

ITEMS OF CONCERN:

None.

DAILY OBSERVATION REPORT

Report No.:	73	Project File:	MN0832D	Date:	08/21/2018

Site Representative: Matt Schallinger

Name (Signature):



Report No.:	73	Project File:	MN0832D	Date:	08/21/2018

Photo Log
Date : 08/21/2018

<table>
<tr><td>  </td><td>  </td></tr>
<tr><td>Pumping ponded water from phase 3 in the RPL.</td><td>Backfilling in phase 3. .</td></tr>
<tr><td>  </td><td>  </td></tr>
<tr><td>TSCA loadout in the RPL.</td><td>Extent of backfill in the RPL at the end of the day.</td></tr>
</table>

DAILY OBSERVATION REPORT

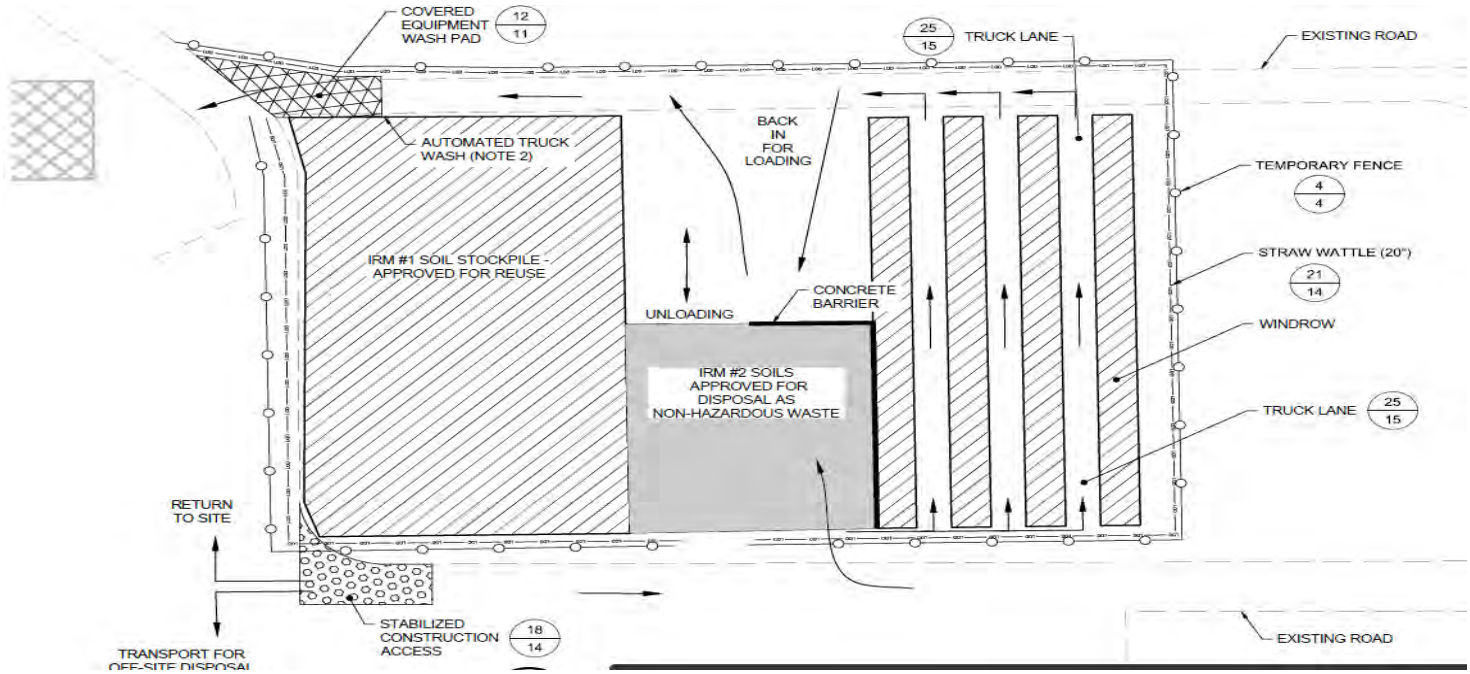
Report No.:	73	Project File:	MN0832D	Date:	08/21/2018

Site Map

Rear Parking Lot

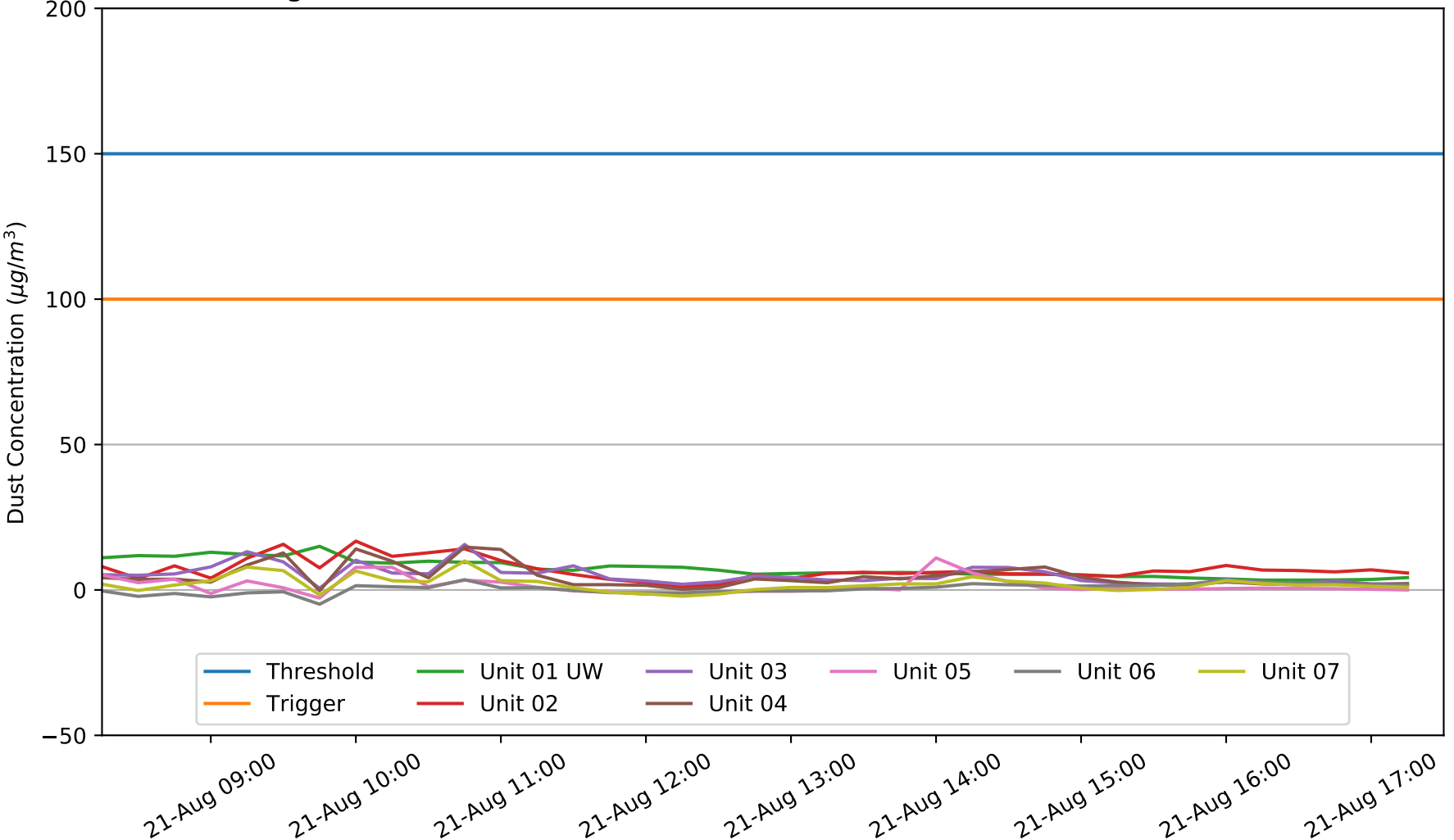


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 21-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 21-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 02	Unit 03	Unit 01 UW	Unit 06	Unit 07	Unit 04	Unit 05	Threshold	Trigger
2018-08-21 08:15:00	8.02	5.24	11.07	-0.33	1.98	4.23	5.13	150	100
2018-08-21 08:30:00	3.93	5.05	11.81	-2.2	-0.18	3.63	2.5	150	100
2018-08-21 08:45:00	8.3	5.51	11.58	-1.21	1.68	3.71	3.71	150	100
2018-08-21 09:00:00	4.05	7.94	12.96	-2.38	3.16	2.71	-1.23	150	100
2018-08-21 09:15:00	10.91	13.16	12.19	-1.01	7.85	8.55	3.11	150	100
2018-08-21 09:30:00	15.71	9.65	11.7	-0.64	6.64	12.74	0.75	150	100
2018-08-21 09:45:00	7.58	0.59	15.01	-4.91	-1.76	-0.3	-2.8	150	100
2018-08-21 10:00:00	16.79	10.23	9.57	1.47	6.52	14.1	7.76	150	100
2018-08-21 10:15:00	11.57	5.82	9.23	1.1	3.17	9.89	7.81	150	100
2018-08-21 10:30:00	12.79	5.54	9.89	0.77	2.81	4.2	1.11	150	100
2018-08-21 10:45:00	14.14	15.65	9.49	3.52	9.99	14.75	3.36	150	100
2018-08-21 11:00:00	10.09	6.01	9.41	0.71	3.21	13.92	2.69	150	100
2018-08-21 11:15:00	7.29	5.75	7.15	0.81	2.93	5.08	0.9	150	100
2018-08-21 11:30:00	5.32	8.3	6.76	-0.17	0.77	1.8	-0.32	150	100
2018-08-21 11:45:00	3.63	3.78	8.25	-0.93	-0.82	1.82	-0.73	150	100
2018-08-21 12:00:00	2.57	3.09	8.07	-0.94	-1.35	1.59	-1.45	150	100
2018-08-21 12:15:00	1.12	1.96	7.8	-1	-2.14	0.23	-1.1	150	100
2018-08-21 12:30:00	1.75	2.76	6.8	-0.62	-1.41	0.8	-0.96	150	100
2018-08-21 12:45:00	5.1	4.81	5.41	-0.35	0.13	3.78	-0.43	150	100
2018-08-21 13:00:00	3.96	4.28	5.67	-0.33	0.87	3.2	-0.45	150	100
2018-08-21 13:15:00	5.73	3.42	5.87	-0.27	0.82	2.49	-0.19	150	100
2018-08-21 13:30:00	6.09	3.22	5.89	0.36	1.45	4.57	0.73	150	100
2018-08-21 13:45:00	5.64	4.01	6.02	0.51	2.07	3.81	0.01	150	100
2018-08-21 14:00:00	6.06	3.91	5.89	0.96	2.08	4.91	11.01	150	100
2018-08-21 14:15:00	6.39	7.79	5.43	2.17	4.54	6.22	5.84	150	100
2018-08-21 14:30:00	5.56	7.72	5.37	1.77	3.03	7.04	2.83	150	100
2018-08-21 14:45:00	5.5	6.24	5.39	1.59	2.37	7.88	0.63	150	100
2018-08-21 15:00:00	5.04	3.22	5.23	1.33	0.61	4.36	0.14	150	100
2018-08-21 15:15:00	4.71	2.39	4.59	1.5	-0.18	2.66	0.51	150	100
2018-08-21 15:30:00	6.52	2.05	4.65	1.5	0.19	1.69	0.19	150	100
2018-08-21 15:45:00	6.29	1.98	4.11	2.15	0.88	1.76	0.27	150	100
2018-08-21 16:00:00	8.42	3.51	3.79	2.71	3.24	2.78	0.49	150	100
2018-08-21 16:15:00	6.84	2.68	3.39	2.63	2.19	2.07	0.63	150	100
2018-08-21 16:30:00	6.67	2.3	3.37	2.23	1.7	1.82	0.53	150	100
2018-08-21 16:45:00	6.22	3.06	3.44	2.22	1.78	2.39	0.45	150	100
2018-08-21 17:00:00	6.91	2.1	3.61	1.84	1.26	1.86	0.23	150	100
2018-08-21 17:15:00	5.83	2.04	4.24	1.65	0.94	2.16	0	150	100
2018-08-21 17:30:00								150	100

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"RH CORRECT ", "ENABLED "
"Max Disp ", 90.387716
"Max Disp @ ", 09:23:26 21-Aug-2018
"Max STEL ", 32.731709
"Max STEL @ ", 09:36:53 21-Aug-2018
"Avg point ", 14.300546
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
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"FlowRate ", 1.200000
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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 19.09, 19.3, 63, 740, 03 , 08:15:03, 21-Aug-2018
2, 15.74, 19.7, 65, 740, 00 , 08:30:03, 21-Aug-2018
3, 19.88, 20.0, 63, 740, 00 , 08:45:03, 21-Aug-2018
4, 17.01, 20.4, 62, 740, 00 , 09:00:03, 21-Aug-2018
5, 23.10, 20.9, 60, 740, 00 , 09:15:03, 21-Aug-2018
6, 27.41, 21.5, 57, 740, 00 , 09:30:03, 21-Aug-2018
7, 22.59, 21.7, 56, 740, 00 , 09:45:03, 21-Aug-2018
8, 26.36, 21.9, 55, 740, 00 , 10:00:03, 21-Aug-2018
9, 20.80, 22.4, 54, 740, 00 , 10:15:03, 21-Aug-2018
10, 22.68, 22.9, 50, 740, 00 , 10:30:03, 21-Aug-2018
11, 23.63, 23.0, 50, 740, 00 , 10:45:03, 21-Aug-2018
12, 19.50, 22.8, 53, 740, 00 , 11:00:03, 21-Aug-2018
13, 14.44, 21.8, 59, 740, 00 , 11:15:03, 21-Aug-2018
14, 12.08, 20.9, 64, 740, 00 , 11:30:03, 21-Aug-2018
15, 11.88, 20.4, 72, 740, 03 , 11:45:03, 21-Aug-2018
16, 10.64, 20.2, 75, 740, 00 , 12:00:03, 21-Aug-2018
17, 8.92, 20.5, 75, 740, 00 , 12:15:03, 21-Aug-2018
18, 8.55, 21.1, 75, 738, 00 , 12:30:03, 21-Aug-2018
19, 10.51, 21.7, 71, 738, 00 , 12:45:03, 21-Aug-2018
20, 9.63, 22.3, 68, 738, 00 , 13:00:03, 21-Aug-2018
21, 11.60, 22.8, 64, 738, 00 , 13:15:03, 21-Aug-2018
22, 11.98, 23.4, 60, 738, 00 , 13:30:03, 21-Aug-2018
23, 11.66, 24.0, 58, 738, 00 , 13:45:03, 21-Aug-2018
24, 11.95, 25.0, 57, 738, 00 , 14:00:03, 21-Aug-2018
25, 11.82, 24.9, 55, 738, 00 , 14:15:03, 21-Aug-2018
26, 10.93, 24.5, 55, 738, 00 , 14:30:03, 21-Aug-2018
27, 10.89, 24.1, 57, 738, 00 , 14:45:03, 21-Aug-2018
28, 10.27, 23.9, 60, 738, 00 , 15:00:03, 21-Aug-2018
29, 9.30, 24.2, 61, 738, 00 , 15:15:03, 21-Aug-2018
30, 11.17, 25.4, 58, 738, 00 , 15:30:03, 21-Aug-2018
31, 10.40, 26.2, 53, 738, 00 , 15:45:03, 21-Aug-2018
32, 12.21, 26.4, 50, 738, 00 , 16:00:03, 21-Aug-2018
33, 10.23, 25.7, 51, 736, 00 , 16:15:03, 21-Aug-2018
34, 10.04, 24.8, 54, 736, 00 , 16:30:03, 21-Aug-2018
35, 9.66, 24.0, 56, 736, 00 , 16:45:03, 21-Aug-2018
36, 10.52, 23.3, 57, 736, 00 , 17:00:03, 21-Aug-2018
37, 10.07, 22.8, 59, 736, 00 , 17:15:03, 21-Aug-2018

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"RH CORRECT ", "ENABLED "
"Max Disp ", 70.219445
"Max Disp @ ", 11:20:24 21-Aug-2018
"Max STEL ", 26.137314
"Max STEL @ ", 10:45:43 21-Aug-2018
"Avg point ", 12.193148
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 16.31, 11.8, 71, 740, 01 , 08:15:03, 21-Aug-2018
2, 16.86, 12.4, 70, 740, 00 , 08:30:03, 21-Aug-2018
3, 17.09, 12.8, 68, 740, 00 , 08:45:03, 21-Aug-2018
4, 20.90, 13.1, 66, 740, 00 , 09:00:03, 21-Aug-2018
5, 25.35, 13.6, 64, 740, 00 , 09:15:03, 21-Aug-2018
6, 21.35, 14.0, 62, 740, 00 , 09:30:03, 21-Aug-2018
7, 15.60, 14.3, 61, 740, 00 , 09:45:03, 21-Aug-2018
8, 19.80, 14.6, 60, 740, 00 , 10:00:03, 21-Aug-2018
9, 15.05, 15.4, 57, 740, 00 , 10:15:03, 21-Aug-2018
10, 15.43, 16.0, 56, 740, 00 , 10:30:03, 21-Aug-2018
11, 25.14, 15.8, 56, 740, 00 , 10:45:03, 21-Aug-2018
12, 15.42, 15.4, 59, 740, 00 , 11:00:03, 21-Aug-2018
13, 12.90, 14.4, 64, 740, 00 , 11:15:03, 21-Aug-2018
14, 15.06, 13.9, 68, 740, 00 , 11:30:03, 21-Aug-2018
15, 12.03, 13.6, 70, 740, 00 , 11:45:03, 21-Aug-2018
16, 11.16, 13.3, 72, 740, 00 , 12:00:03, 21-Aug-2018
17, 9.76, 13.4, 73, 738, 00 , 12:15:03, 21-Aug-2018
18, 9.56, 13.9, 72, 738, 00 , 12:30:03, 21-Aug-2018
19, 10.22, 14.3, 69, 738, 00 , 12:45:03, 21-Aug-2018
20, 9.95, 14.4, 68, 738, 00 , 13:00:03, 21-Aug-2018
21, 9.29, 14.7, 67, 738, 00 , 13:15:03, 21-Aug-2018
22, 9.11, 14.9, 66, 738, 00 , 13:30:03, 21-Aug-2018
23, 10.03, 15.0, 66, 738, 00 , 13:45:03, 21-Aug-2018
24, 9.80, 15.6, 64, 738, 00 , 14:00:03, 21-Aug-2018
25, 13.22, 15.5, 64, 738, 00 , 14:15:03, 21-Aug-2018
26, 13.09, 15.3, 66, 738, 00 , 14:30:03, 21-Aug-2018
27, 11.63, 15.2, 67, 738, 00 , 14:45:03, 21-Aug-2018
28, 8.45, 15.2, 67, 738, 00 , 15:00:03, 21-Aug-2018
29, 6.98, 15.4, 68, 738, 00 , 15:15:03, 21-Aug-2018
30, 6.70, 15.9, 66, 736, 00 , 15:30:03, 21-Aug-2018
31, 6.09, 16.2, 65, 736, 00 , 15:45:03, 21-Aug-2018
32, 7.30, 16.1, 64, 736, 00 , 16:00:03, 21-Aug-2018
33, 6.07, 15.7, 65, 736, 00 , 16:15:03, 21-Aug-2018
34, 5.67, 15.2, 67, 736, 00 , 16:30:03, 21-Aug-2018
35, 6.50, 14.7, 69, 736, 00 , 16:45:03, 21-Aug-2018
36, 5.71, 14.3, 71, 736, 00 , 17:00:03, 21-Aug-2018
37, 6.28, 14.1, 72, 736, 00 , 17:15:03, 21-Aug-2018
38, 6.47, 14.1, 72, 736, 00 , 17:30:03, 21-Aug-2018

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"RH CORRECT ", "ENABLED "
"Max Disp ", 31.316633
"Max Disp @ ", 09:39:16 21-Aug-2018
"Max STEL ", 15.020680
"Max STEL @ ", 09:44:23 21-Aug-2018
"Avg point ", 7.300628
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 11.07, 20.1, 71, 740, 01 , 08:15:03, 21-Aug-2018
2, 11.81, 20.6, 67, 740, 00 , 08:30:03, 21-Aug-2018
3, 11.58, 21.0, 68, 740, 00 , 08:45:03, 21-Aug-2018
4, 12.96, 21.4, 69, 740, 00 , 09:00:03, 21-Aug-2018
5, 12.19, 21.9, 68, 740, 00 , 09:15:03, 21-Aug-2018
6, 11.70, 22.5, 66, 740, 00 , 09:30:03, 21-Aug-2018
7, 15.01, 22.8, 65, 740, 00 , 09:45:03, 21-Aug-2018
8, 9.57, 23.1, 64, 740, 00 , 10:00:03, 21-Aug-2018
9, 9.23, 23.7, 63, 738, 00 , 10:15:03, 21-Aug-2018
10, 9.89, 24.3, 61, 738, 00 , 10:30:03, 21-Aug-2018
11, 9.49, 24.2, 61, 738, 00 , 10:45:03, 21-Aug-2018
12, 9.41, 23.7, 64, 738, 00 , 11:00:03, 21-Aug-2018
13, 7.15, 22.2, 70, 738, 00 , 11:15:03, 21-Aug-2018
14, 6.76, 21.1, 75, 738, 03 , 11:30:03, 21-Aug-2018
15, 8.25, 20.6, 75, 738, 00 , 11:45:03, 21-Aug-2018
16, 8.07, 20.6, 76, 738, 00 , 12:00:03, 21-Aug-2018
17, 7.80, 20.9, 79, 738, 00 , 12:15:03, 21-Aug-2018
18, 6.80, 21.7, 80, 738, 00 , 12:30:03, 21-Aug-2018
19, 5.41, 22.2, 77, 738, 00 , 12:45:03, 21-Aug-2018
20, 5.67, 22.5, 76, 738, 00 , 13:00:03, 21-Aug-2018
21, 5.87, 23.2, 73, 738, 00 , 13:15:03, 21-Aug-2018
22, 5.89, 24.0, 70, 738, 00 , 13:30:03, 21-Aug-2018
23, 6.02, 24.4, 69, 738, 00 , 13:45:03, 21-Aug-2018
24, 5.89, 25.4, 65, 738, 00 , 14:00:03, 21-Aug-2018
25, 5.43, 25.2, 65, 738, 00 , 14:15:03, 21-Aug-2018
26, 5.37, 24.7, 67, 738, 00 , 14:30:03, 21-Aug-2018
27, 5.39, 24.4, 70, 738, 00 , 14:45:03, 21-Aug-2018
28, 5.23, 24.1, 71, 738, 00 , 15:00:03, 21-Aug-2018
29, 4.59, 24.3, 72, 736, 00 , 15:15:03, 21-Aug-2018
30, 4.65, 25.3, 69, 736, 00 , 15:30:03, 21-Aug-2018
31, 4.11, 26.0, 66, 736, 00 , 15:45:03, 21-Aug-2018
32, 3.79, 26.1, 64, 736, 00 , 16:00:03, 21-Aug-2018
33, 3.39, 25.5, 65, 736, 00 , 16:15:03, 21-Aug-2018
34, 3.37, 24.7, 68, 736, 00 , 16:30:03, 21-Aug-2018
35, 3.44, 23.9, 70, 736, 00 , 16:45:03, 21-Aug-2018
36, 3.61, 23.3, 73, 736, 00 , 17:00:03, 21-Aug-2018
37, 4.24, 23.0, 75, 736, 00 , 17:15:03, 21-Aug-2018

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"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 21.333954
"Max Disp @ ", 10:37:27 21-Aug-2018
"Max STEL ", 13.331953
"Max STEL @ ", 10:43:23 21-Aug-2018
"Avg point ", 7.747158
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 10.74, 21.1, 74, 738, 03 , 08:15:03, 21-Aug-2018
2, 9.61, 21.3, 75, 738, 00 , 08:30:03, 21-Aug-2018
3, 10.37, 21.5, 74, 738, 00 , 08:45:03, 21-Aug-2018
4, 10.58, 21.7, 73, 738, 00 , 09:00:03, 21-Aug-2018
5, 11.18, 22.1, 72, 738, 00 , 09:15:03, 21-Aug-2018
6, 11.06, 22.5, 70, 738, 00 , 09:30:03, 21-Aug-2018
7, 10.10, 22.7, 69, 738, 00 , 09:45:03, 21-Aug-2018
8, 11.04, 22.9, 69, 738, 00 , 10:00:03, 21-Aug-2018
9, 10.33, 23.5, 66, 738, 00 , 10:15:03, 21-Aug-2018
10, 10.66, 24.1, 64, 738, 00 , 10:30:03, 21-Aug-2018
11, 13.01, 23.9, 65, 738, 00 , 10:45:03, 21-Aug-2018
12, 10.12, 23.5, 68, 738, 00 , 11:00:03, 21-Aug-2018
13, 7.96, 21.8, 77, 738, 00 , 11:15:03, 21-Aug-2018
14, 6.59, 20.7, 83, 738, 00 , 11:30:03, 21-Aug-2018
15, 7.32, 20.1, 88, 738, 00 , 11:45:03, 21-Aug-2018
16, 7.13, 20.0, 92, 738, 00 , 12:00:03, 21-Aug-2018
17, 6.80, 20.2, 93, 738, 00 , 12:15:03, 21-Aug-2018
18, 6.18, 20.5, 93, 738, 00 , 12:30:03, 21-Aug-2018
19, 5.06, 20.9, 91, 738, 00 , 12:45:03, 21-Aug-2018
20, 5.34, 21.3, 89, 738, 00 , 13:00:03, 21-Aug-2018
21, 5.60, 21.8, 86, 738, 00 , 13:15:03, 21-Aug-2018
22, 6.25, 22.5, 83, 738, 00 , 13:30:03, 21-Aug-2018
23, 6.53, 23.0, 80, 738, 00 , 13:45:03, 21-Aug-2018
24, 6.85, 23.8, 77, 736, 00 , 14:00:03, 21-Aug-2018
25, 7.60, 24.0, 74, 736, 00 , 14:15:03, 21-Aug-2018
26, 7.14, 23.8, 75, 736, 00 , 14:30:03, 21-Aug-2018
27, 6.98, 23.7, 76, 736, 00 , 14:45:03, 21-Aug-2018
28, 6.56, 23.6, 78, 736, 00 , 15:00:03, 21-Aug-2018
29, 6.09, 23.7, 79, 736, 00 , 15:15:03, 21-Aug-2018
30, 6.15, 24.3, 77, 736, 00 , 15:30:03, 21-Aug-2018
31, 6.26, 24.6, 75, 736, 00 , 15:45:03, 21-Aug-2018
32, 6.50, 24.7, 73, 736, 00 , 16:00:03, 21-Aug-2018
33, 6.02, 24.5, 73, 736, 00 , 16:15:03, 21-Aug-2018
34, 5.60, 24.0, 74, 736, 00 , 16:30:03, 21-Aug-2018
35, 5.66, 23.5, 76, 736, 00 , 16:45:03, 21-Aug-2018
36, 5.45, 23.2, 78, 736, 00 , 17:00:03, 21-Aug-2018
37, 5.89, 23.0, 79, 736, 00 , 17:15:03, 21-Aug-2018
38, 6.09, 22.9, 79, 736, 00 , 17:30:03, 21-Aug-2018

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"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 101.458287
"Max Disp @ ", 08:00:04 21-Aug-2018
"Max STEL ", 20.416160
"Max STEL @ ", 09:17:13 21-Aug-2018
"Avg point ", 9.168372
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 13.05, 21.4, 77, 738, 01 , 08:15:03, 21-Aug-2018
2, 11.63, 22.1, 76, 738, 00 , 08:30:03, 21-Aug-2018
3, 13.26, 22.7, 74, 738, 00 , 08:45:03, 21-Aug-2018
4, 16.12, 23.2, 71, 738, 00 , 09:00:03, 21-Aug-2018
5, 20.04, 23.8, 68, 738, 00 , 09:15:03, 21-Aug-2018
6, 18.34, 24.6, 65, 738, 00 , 09:30:03, 21-Aug-2018
7, 13.25, 25.0, 64, 738, 00 , 09:45:03, 21-Aug-2018
8, 16.09, 25.3, 63, 738, 00 , 10:00:03, 21-Aug-2018
9, 12.40, 25.9, 61, 738, 00 , 10:15:03, 21-Aug-2018
10, 12.70, 26.5, 59, 738, 00 , 10:30:03, 21-Aug-2018
11, 19.48, 26.4, 60, 738, 00 , 10:45:03, 21-Aug-2018
12, 12.62, 26.1, 63, 738, 00 , 11:00:03, 21-Aug-2018
13, 10.08, 25.0, 69, 738, 00 , 11:15:03, 21-Aug-2018
14, 7.53, 23.8, 76, 738, 00 , 11:30:03, 21-Aug-2018
15, 7.43, 22.9, 83, 738, 00 , 11:45:03, 21-Aug-2018
16, 6.72, 21.9, 90, 738, 00 , 12:00:03, 21-Aug-2018
17, 5.66, 21.7, 92, 738, 00 , 12:15:03, 21-Aug-2018
18, 5.39, 22.1, 91, 738, 00 , 12:30:03, 21-Aug-2018
19, 5.54, 22.6, 85, 738, 00 , 12:45:03, 21-Aug-2018
20, 6.54, 23.2, 81, 736, 00 , 13:00:03, 21-Aug-2018
21, 6.69, 24.1, 77, 736, 00 , 13:15:03, 21-Aug-2018
22, 7.34, 25.2, 72, 736, 00 , 13:30:03, 21-Aug-2018
23, 8.09, 25.8, 70, 736, 00 , 13:45:03, 21-Aug-2018
24, 7.97, 27.1, 65, 736, 00 , 14:00:03, 21-Aug-2018
25, 9.97, 26.9, 65, 736, 00 , 14:15:03, 21-Aug-2018
26, 8.40, 26.3, 69, 736, 00 , 14:30:03, 21-Aug-2018
27, 7.76, 25.7, 74, 736, 00 , 14:45:03, 21-Aug-2018
28, 5.84, 24.9, 79, 736, 00 , 15:00:03, 21-Aug-2018
29, 4.41, 24.7, 82, 736, 00 , 15:15:03, 21-Aug-2018
30, 4.84, 26.3, 74, 736, 00 , 15:30:03, 21-Aug-2018
31, 4.99, 27.7, 66, 736, 00 , 15:45:03, 21-Aug-2018
32, 7.03, 28.0, 62, 736, 00 , 16:00:03, 21-Aug-2018
33, 5.58, 27.2, 66, 734, 00 , 16:15:03, 21-Aug-2018
34, 5.07, 26.1, 69, 734, 00 , 16:30:03, 21-Aug-2018
35, 5.22, 25.2, 73, 734, 00 , 16:45:03, 21-Aug-2018
36, 4.87, 24.6, 76, 734, 00 , 17:00:03, 21-Aug-2018
37, 5.18, 24.2, 77, 734, 00 , 17:15:03, 21-Aug-2018
38, 5.28, 24.0, 78, 734, 00 , 17:30:03, 21-Aug-2018

>"Model Number", "PDR-1500", 01.34
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"Unit ", 0
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"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 113.767385
"Max Disp @ ", 10:54:51 21-Aug-2018
"Max STEL ", 26.630325
"Max STEL @ ", 10:55:03 21-Aug-2018
"Avg point ", 11.793525
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 15.30, 21.3, 76, 740, 01 , 08:15:03, 21-Aug-2018
2, 15.44, 21.8, 76, 740, 00 , 08:30:03, 21-Aug-2018
3, 15.29, 22.3, 74, 740, 00 , 08:45:03, 21-Aug-2018
4, 15.67, 22.7, 72, 740, 00 , 09:00:03, 21-Aug-2018
5, 20.74, 23.3, 70, 740, 00 , 09:15:03, 21-Aug-2018
6, 24.44, 23.9, 67, 740, 00 , 09:30:03, 21-Aug-2018
7, 14.71, 24.3, 66, 740, 00 , 09:45:03, 21-Aug-2018
8, 23.67, 24.8, 65, 740, 00 , 10:00:03, 21-Aug-2018
9, 19.12, 25.7, 62, 740, 00 , 10:15:03, 21-Aug-2018
10, 14.09, 26.4, 59, 740, 00 , 10:30:03, 21-Aug-2018
11, 24.24, 26.2, 60, 738, 00 , 10:45:03, 21-Aug-2018
12, 23.33, 25.6, 64, 738, 00 , 11:00:03, 21-Aug-2018
13, 12.23, 23.8, 73, 740, 00 , 11:15:03, 21-Aug-2018
14, 8.56, 22.6, 79, 738, 00 , 11:30:03, 21-Aug-2018
15, 10.07, 22.0, 85, 738, 00 , 11:45:03, 21-Aug-2018
16, 9.66, 21.9, 87, 738, 00 , 12:00:03, 21-Aug-2018
17, 8.03, 22.4, 86, 738, 00 , 12:15:03, 21-Aug-2018
18, 7.60, 23.2, 85, 738, 00 , 12:30:03, 21-Aug-2018
19, 9.19, 24.1, 80, 738, 00 , 12:45:03, 21-Aug-2018
20, 8.87, 24.8, 76, 738, 00 , 13:00:03, 21-Aug-2018
21, 8.36, 25.6, 71, 738, 00 , 13:15:03, 21-Aug-2018
22, 10.46, 26.4, 68, 738, 00 , 13:30:03, 21-Aug-2018
23, 9.83, 26.9, 67, 738, 00 , 13:45:03, 21-Aug-2018
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TABLE 1
PCB Air Monitoring Results
Former Sperry Remington Site - North Portion
Elmira, New York

		Polychlorinated Biphenyls								
		Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	Arochlor 1268	Arochlor 1262
		µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3
EQL		0.00028	0.00028	0.00028	0.00028	0.00028	0.00028	0.00028	0.00028	0.00028
Location	**Sample Date**									
DOWNWIND	6/27/2018	<0.00073U	<0.00073U	<0.00073U	<0.00073U	**0.0063**	<0.00073U	<0.00073U	<0.00073U	<0.00073U
DOWNWIND AT AIR INTAKE	6/27/2018	<0.0027U	<0.0027U	<0.0027U	<0.0027U	**0.031**	<0.0027U	<0.0027U	<0.0027U	<0.0027U
UPWIND	6/27/2018	<0.00074U	<0.00074U	<0.00074U	<0.00074U	**0.0011**	<0.00074U	<0.00074U	<0.00074U	<0.00074U
DOWNWIND	6/28/2018	<0.00082U	<0.00082U	<0.00082U	<0.00082U	**0.0007J**	<0.00082U	<0.00082U	<0.00082U	<0.00082U
DOWNWIND AT AIR INTAKE	6/28/2018	<0.0008U	<0.0008U	<0.0008U	<0.0008U	**0.0032**	<0.0008U	<0.0008U	<0.0008U	<0.0008U
UPWIND	6/28/2018	<0.0028U	<0.0028U	<0.0028U	<0.0028U	**0.014**	<0.0028U	<0.0028U	<0.0028U	<0.0028U
DOWNWIND	6/29/2018	<0.0011U	<0.0011U	<0.0011U	<0.0011U	**0.012J**	<0.0011U	<0.0011U	<0.0011U	<0.0011U
DOWNWIND AT AIR INTAKE	6/29/2018	<0.0003U	<0.0003U	<0.0003U	<0.0003U	**0.00044J**	<0.0003U	<0.0003U	<0.0003U	<0.0003U
UPWIND	6/29/2018	<0.00033U	<0.00033U	<0.00033U	<0.00033U	**0.00032J**	<0.00033U	<0.00033U	<0.00033U	<0.00033U
DOWNWIND	6/30/2018	<0.00028U	<0.00028U	<0.00028U	<0.00028U	**0.00051**	<0.00028U	<0.00028U	<0.00028U	<0.00028U
DOWNWIND AT AIR INTAKE	6/30/2018	<0.00034U	<0.00034U	<0.00034U	<0.00034U	**0.0044**	<0.00034U	<0.00034U	<0.00034U	<0.00034U
UPWIND	6/30/2018	<0.00032U	<0.00032U	<0.00032U	<0.00032U	**0.0031**	<0.00032U	<0.00032U	<0.00032U	<0.00032U
DOWNWIND	7/9/2018	<0.00083UJ	<0.00083UJ	<0.00083UJ	<0.00083UJ	**0.0033J**	<0.00083UJ	<0.00083UJ	<0.00083UJ	<0.00083UJ
DOWNWIND AT AIR INTAKE	7/9/2018	<0.0033UJ	<0.0033UJ	<0.0033UJ	<0.0033UJ	**0.025J**	<0.0033UJ	<0.0033UJ	<0.0033UJ	<0.0033UJ
UPWIND	7/9/2018	<0.00092UJ	<0.00092UJ	<0.00092UJ	<0.00092UJ	**0.013J**	<0.00092UJ	<0.00092UJ	<0.00092UJ	<0.00092UJ
DOWNWIND	7/16/2018	<0.00082U	<0.00082U	<0.00082U	<0.00082U	**0.0074**	<0.00082U	<0.00082U	<0.00082U	<0.00082U
DOWNWIND AT AIR INTAKE	7/16/2018	<0.004U	<0.004U	<0.004U	<0.004U	**0.032**	<0.004U	<0.004U	<0.004U	<0.004U
UPWIND	7/16/2018	<0.00082U	<0.00082U	<0.00082U	<0.00082U	**0.0025**	<0.00082U	<0.00082U	<0.00082U	<0.00082U
DOWNWIND	7/23/2018	<0.0015U	<0.0015U	<0.0015U	0.0027U	**<0.0015J**	<0.0015U	<0.0015U	<0.0015U	<0.0015U
DOWNWIND AT AIR INTAKE	7/23/2018	<0.0014U	<0.0014U	<0.0014U	0.0046U	**<0.0014J**	<0.0014U	<0.0014U	<0.0014U	<0.0014U
UPWIND	7/23/2018	<0.0015U	<0.0015U	<0.0015U	0.00056U	**<0.0015J**	<0.0015U	<0.0015U	<0.0015U	<0.0015U

DAILY OBSERVATION REPORT

Report No.:	74	Project File:	MN0832D	Date:	08/22/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — an affiliate of Geosyntec Consultants

PM: Aron Krasnopoler

CQA Representative: Jim Burnett

Site Representative: Matt Schallinger/Ashwin Ranna

Site Location: Former Sperry Remington Site N

Arrive at Site: 0645hrs. Leave Site: 1845 hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Cloudy	am	Mostly Cloudy	Pm
Temperature:	70° F	am	75° F	Pm
Wind Direction:	7 SE	am	7 SE	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 74 Project File: MN0832D Date: 08/22/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 21 Total Loads to date: 441

Weight: ~20 tons/each Total Weight to date: ~10210 Tons

Non Haz Soil Removal:

Total Loads today: 0 Total Loads to date: 256

Weight: 20-33 tons/each Total Weight to date: ~6019 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: Tons Total Weight to date: 175 Tons

Imported Common Fill:

Total Loads today: 106 Total Loads to date: ~1422

Weight: ~21 Tons/each Total Weight to date: ~15,055Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	74	Project File:	MN0832D	Date:	08/22/2018

Summary of Events

AM

- Geosyntec arrived on site at 0645. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed work plan for the day.
- Geosyntec calibrated and deployed dust monitors.
- Seth Lovell of Hunt onsite to survey current extent of excavation.
- Recon subcontracted Ricelli trucks to import fill material from Brewers Pit. This material was unloaded in the western edge of the RPL for immediate backfill and compaction.
- School contractor continued working within phase 1 and was assisted by Recon.
- Approximately 11,000 (2 truckloads) gal of non-hazardous water was removed from an onsite frac tank staged in the western area of the RPL and transported to an approved facility in Lancaster, PA.
- Recon pumped ponded water in phase 3 to a vac truck and a frac tank staged near the TSCA loading pad. Once the water was pumped out a demarcation layer was laid down and backfilled.
- Geosyntec demobilized the TISCH samplers and prepared them for shipment.
- Recon continued to backfill and compact in phase 3 with imported fill material.
- 10 TSCA trucks were loaded over crane mats and on poly from the temporary TSCA staging area on eastern side of RPL.
- Recon loaded transport trucks with asphalt millings for shipment to Elmira Road Materials.
- Recon continues to spray water around the site multiple times during the day.
- Recon began to move out the asphalt millings from site to Elmira Road Materials for reuse.

PM

- Scott Williams onsite.
- Aron Krasnopoler onsite.
- Recon loaded 11 TSCA trucks with elevated lead material for shipment to Envirosafe of Oregon, OH. Trucks were stationed over crane mats and on poly while being loaded. All elevated lead material on site has been taken offsite.
- Backfilling efforts with imported fill material continued throughout the afternoon.
- Geosyntec collected dust monitors around 1500 due to impending rain.
- Recon completed final excavations of non-hazardous and TSCA material in phase 3.
- Seth Lovell of Hunt onsite to survey current extent of excavation.
- Geosyntec and Recon review survey of final excavation and received backfill approval.
- No non-hazardous material was loaded for offsite shipment from the MSA.
- Recon covered piles in the MSA and RPL at the end of the day.
- Geosyntec collected dust monitors and analyzed the data.
- Geosyntec shut down and left site around 1845.

Report No.: 74 Project File: MN0832D Date: 08/22/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Rich Tonnucour
- (Recon labor) X17

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- CAT 725 Haul truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Denver Tyler	Atlantic Testing	Yes
Scott Williams	DEC	Yes
Seth Lovell	Hunt	Yes
Aron Krasnopoler	Geosyntec	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: 8/24/18

ITEMS OF CONCERN:

None.

DAILY OBSERVATION REPORT

Report No.:	74	Project File:	MN0832D	Date:	08/22/2018

Site Representative: Matt Schallinger

Name (Signature):



DAILY OBSERVATION REPORT

Report No.:	74	Project File:	MN0832D	Date:	08/22/2018

Photo Log
Date : 08/22/2018

	
Excavation of Non Haz and loading of TSCA material	Backfilling and compaction within Phase 3
	
Asphalt loadout behind K Wing	Backfilling excavation around water line behind K wing

DAILY OBSERVATION REPORT

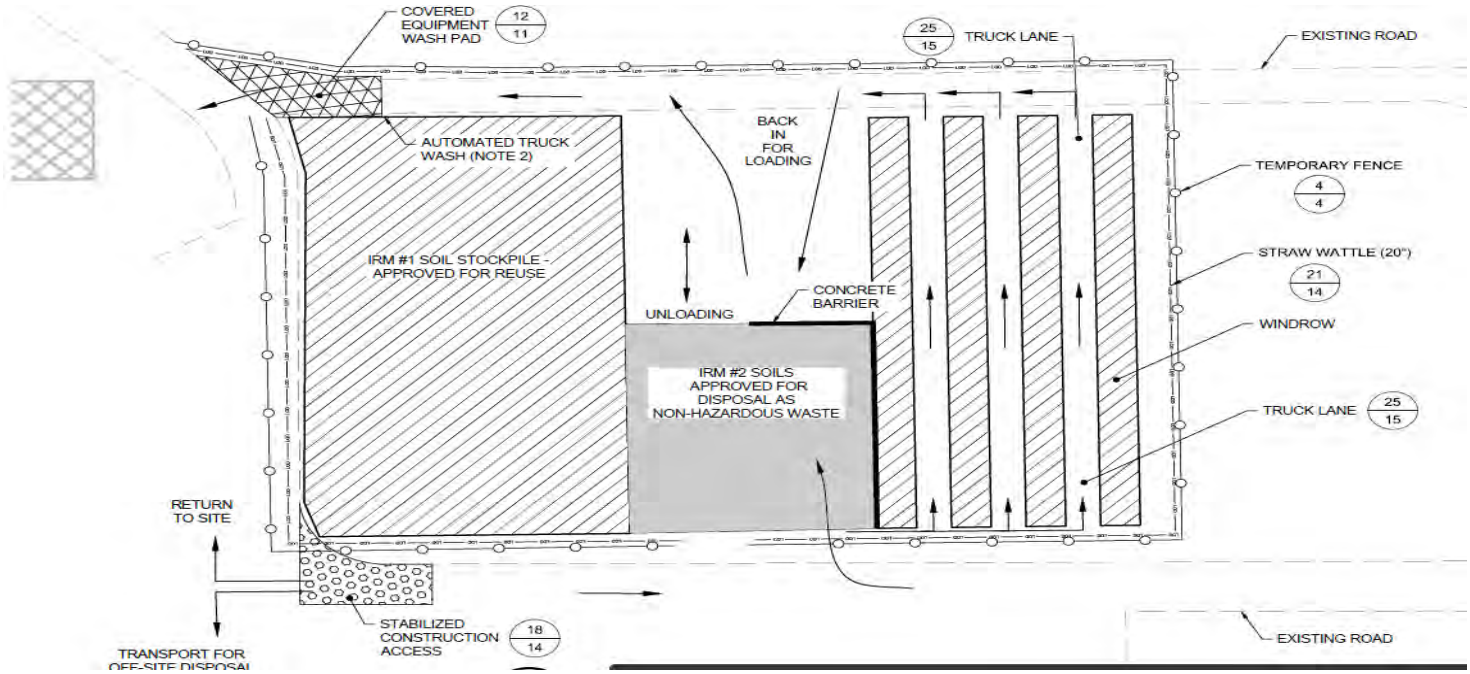
Report No.:	74	Project File:	MN0832D	Date:	08/22/2018

Site Map

Rear Parking Lot

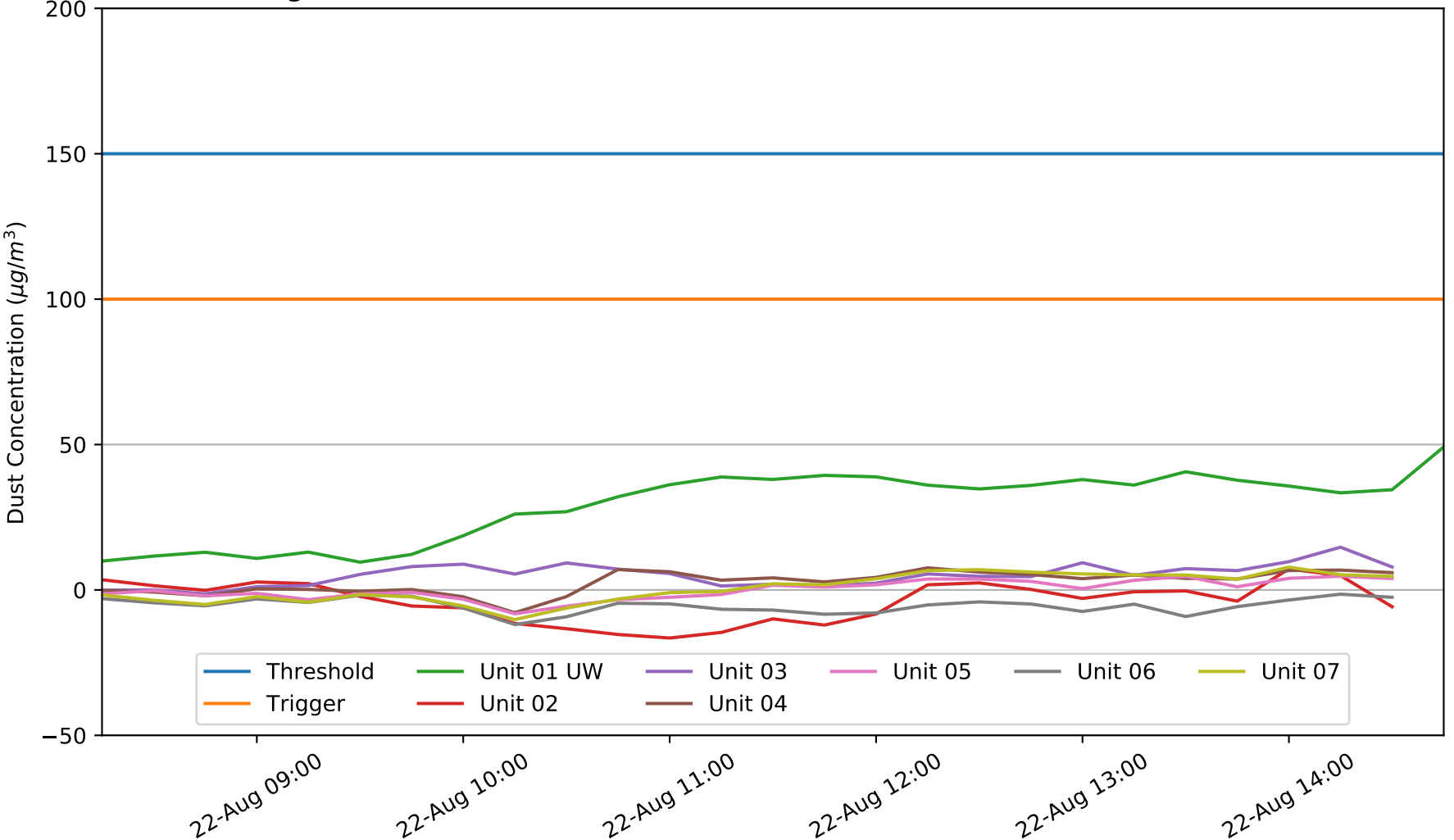


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 22-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 22-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 03	Unit 02	Unit 06	Unit 01 UW	Unit 05	Unit 07	Unit 04	Threshold	Trigger
2018-08-22 08:15:00	-0.08	3.51	-2.97	9.93	-1.34	-1.71	-0.2	150	100
2018-08-22 08:30:00	0.01	1.46	-4.42	11.64	-0.25	-3.55	-0.71	150	100
2018-08-22 08:45:00	-1.36	-0.14	-5.46	12.96	-2.01	-5.01	-2.01	150	100
2018-08-22 09:00:00	1.11	2.73	-3.08	10.84	-1.17	-2.29	0.39	150	100
2018-08-22 09:15:00	1.52	2.17	-4.31	13.01	-3.32	-4.21	0.18	150	100
2018-08-22 09:30:00	5.35	-2.22	-1.82	9.55	-1.37	-1.58	-0.48	150	100
2018-08-22 09:45:00	8.04	-5.52	-2.15	12.22	-0.81	-2.41	0.15	150	100
2018-08-22 10:00:00	8.87	-6.15	-6.19	18.64	-3.2	-5.49	-2.36	150	100
2018-08-22 10:15:00	5.46	-11.52	-11.9	26.09	-8.2	-10.19	-7.81	150	100
2018-08-22 10:30:00	9.29	-13.33	-9.22	26.9	-5.58	-6.23	-2.29	150	100
2018-08-22 10:45:00	7.14	-15.32	-4.56	32.05	-3.34	-3.12	7.03	150	100
2018-08-22 11:00:00	5.65	-16.53	-4.79	36.18	-2.53	-0.93	6.25	150	100
2018-08-22 11:15:00	1.37	-14.6	-6.64	38.84	-1.58	-0.52	3.36	150	100
2018-08-22 11:30:00	1.97	-9.95	-6.92	38	1.64	2.11	4.16	150	100
2018-08-22 11:45:00	1.27	-12.07	-8.35	39.4	1	1.78	2.76	150	100
2018-08-22 12:00:00	2.35	-8.28	-7.92	38.89	1.78	3.84	4.32	150	100
2018-08-22 12:15:00	5.5	1.77	-5.15	36.04	3.77	6.64	7.6	150	100
2018-08-22 12:30:00	4.68	2.43	-4.1	34.74	3.75	6.97	6.14	150	100
2018-08-22 12:45:00	4.58	0.18	-4.83	35.96	2.95	6.14	5.31	150	100
2018-08-22 13:00:00	9.36	-2.92	-7.4	37.96	0.45	5.52	3.88	150	100
2018-08-22 13:15:00	5.04	-0.63	-4.88	36.06	3.32	5.17	5.15	150	100
2018-08-22 13:30:00	7.34	-0.33	-9.15	40.64	4.64	5.13	3.98	150	100
2018-08-22 13:45:00	6.65	-3.86	-5.74	37.73	1.1	3.73	3.76	150	100
2018-08-22 14:00:00	9.72	7.22	-3.46	35.73	4	7.84	6.68	150	100
2018-08-22 14:15:00	14.7	4.93	-1.46	33.4	4.71	5.23	6.82	150	100
2018-08-22 14:30:00	7.89	-5.77	-2.52	34.46	3.91	4.66	5.95	150	100
2018-08-22 14:45:00				49.17				150	100

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11, 39.19, 25.3, 37, 734, 00 , 10:45:03, 22-Aug-2018
12, 41.83, 29.8, 29, 734, 00 , 11:00:03, 22-Aug-2018
13, 40.21, 33.1, 23, 734, 00 , 11:15:03, 22-Aug-2018
14, 39.97, 32.4, 23, 734, 00 , 11:30:03, 22-Aug-2018
15, 40.67, 32.1, 24, 734, 00 , 11:45:03, 22-Aug-2018
16, 41.24, 34.7, 21, 734, 00 , 12:00:03, 22-Aug-2018
17, 41.54, 36.6, 18, 734, 00 , 12:15:03, 22-Aug-2018
18, 39.42, 37.0, 17, 734, 00 , 12:30:03, 22-Aug-2018
19, 40.54, 38.0, 16, 734, 00 , 12:45:03, 22-Aug-2018
20, 47.32, 38.2, 16, 734, 00 , 13:00:03, 22-Aug-2018
21, 41.10, 37.6, 16, 734, 00 , 13:15:03, 22-Aug-2018
22, 47.98, 37.3, 17, 734, 00 , 13:30:03, 22-Aug-2018
23, 44.38, 37.2, 17, 734, 00 , 13:45:03, 22-Aug-2018
24, 45.45, 36.3, 18, 734, 00 , 14:00:03, 22-Aug-2018
25, 48.10, 35.0, 19, 734, 00 , 14:15:03, 22-Aug-2018
26, 42.35, 32.1, 22, 734, 00 , 14:30:03, 22-Aug-2018

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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 13.44, 19.5, 64, 734, 01 , 08:15:03, 22-Aug-2018
2, 13.10, 19.8, 65, 734, 00 , 08:30:03, 22-Aug-2018
3, 12.82, 20.2, 64, 734, 00 , 08:45:03, 22-Aug-2018
4, 13.57, 20.6, 64, 734, 00 , 09:00:03, 22-Aug-2018
5, 15.18, 20.5, 69, 734, 03 , 09:15:03, 22-Aug-2018
6, 7.33, 19.8, 73, 734, 00 , 09:30:03, 22-Aug-2018
7, 6.70, 19.5, 75, 734, 00 , 09:45:03, 22-Aug-2018
8, 12.49, 19.6, 75, 734, 00 , 10:00:03, 22-Aug-2018
9, 14.57, 20.0, 77, 734, 00 , 10:15:03, 22-Aug-2018
10, 13.57, 20.9, 80, 734, 01 , 10:30:03, 22-Aug-2018
11, 16.73, 22.2, 77, 734, 00 , 10:45:03, 22-Aug-2018
12, 19.65, 24.0, 74, 734, 00 , 11:00:03, 22-Aug-2018
13, 24.24, 26.2, 68, 734, 00 , 11:15:03, 22-Aug-2018
14, 28.05, 27.5, 58, 734, 00 , 11:30:03, 22-Aug-2018
15, 27.33, 28.1, 57, 734, 00 , 11:45:03, 22-Aug-2018
16, 30.61, 29.4, 55, 734, 00 , 12:00:03, 22-Aug-2018
17, 37.81, 30.7, 45, 734, 00 , 12:15:03, 22-Aug-2018
18, 37.17, 31.6, 39, 734, 00 , 12:30:03, 22-Aug-2018
19, 36.14, 32.5, 36, 734, 00 , 12:45:03, 22-Aug-2018
20, 35.04, 33.4, 36, 734, 00 , 13:00:03, 22-Aug-2018
21, 35.43, 34.3, 32, 734, 00 , 13:15:03, 22-Aug-2018
22, 40.31, 35.0, 27, 734, 00 , 13:30:03, 22-Aug-2018
23, 33.87, 35.9, 28, 734, 00 , 13:45:03, 22-Aug-2018
24, 42.95, 36.7, 23, 734, 00 , 14:00:03, 22-Aug-2018
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26, 28.69, 35.7, 29, 734, 00 , 14:30:03, 22-Aug-2018

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"RH CORRECT ", "ENABLED "
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"Max STEL ", 32.398846
"Max STEL @ ", 13:54:13 22-Aug-2018
"Avg point ", 23.017852
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 6.96, 21.5, 76, 732, 02 , 08:15:03, 22-Aug-2018
2, 7.22, 22.7, 74, 732, 00 , 08:30:03, 22-Aug-2018
3, 7.50, 23.5, 70, 732, 00 , 08:45:03, 22-Aug-2018
4, 7.76, 23.6, 70, 732, 00 , 09:00:03, 22-Aug-2018
5, 8.70, 23.0, 74, 734, 00 , 09:15:03, 22-Aug-2018
6, 7.73, 21.8, 82, 734, 00 , 09:30:03, 22-Aug-2018
7, 10.07, 21.3, 84, 734, 00 , 09:45:03, 22-Aug-2018
8, 12.45, 21.3, 85, 734, 00 , 10:00:03, 22-Aug-2018
9, 14.19, 22.0, 85, 734, 00 , 10:15:03, 22-Aug-2018
10, 17.68, 24.4, 81, 734, 00 , 10:30:03, 22-Aug-2018
11, 27.49, 28.0, 63, 734, 00 , 10:45:03, 22-Aug-2018
12, 31.39, 30.8, 50, 734, 00 , 11:00:03, 22-Aug-2018
13, 32.20, 33.2, 40, 734, 00 , 11:15:03, 22-Aug-2018
14, 31.08, 33.8, 36, 732, 00 , 11:30:03, 22-Aug-2018
15, 31.05, 34.0, 35, 732, 00 , 11:45:03, 22-Aug-2018
16, 30.97, 35.4, 33, 732, 00 , 12:00:03, 22-Aug-2018
17, 30.89, 37.0, 29, 732, 00 , 12:15:03, 22-Aug-2018
18, 30.64, 37.9, 27, 732, 00 , 12:30:03, 22-Aug-2018
19, 31.13, 38.7, 26, 732, 00 , 12:45:03, 22-Aug-2018
20, 30.56, 39.3, 25, 732, 00 , 13:00:03, 22-Aug-2018
21, 31.18, 39.8, 25, 732, 00 , 13:15:03, 22-Aug-2018
22, 31.49, 40.2, 23, 732, 00 , 13:30:03, 22-Aug-2018
23, 31.99, 41.0, 23, 732, 00 , 13:45:03, 22-Aug-2018
24, 32.27, 41.1, 22, 732, 00 , 14:00:03, 22-Aug-2018
25, 31.94, 41.2, 23, 732, 00 , 14:15:03, 22-Aug-2018
26, 31.94, 39.3, 24, 732, 00 , 14:30:03, 22-Aug-2018

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 14:41:33 22-Aug-2018
"Max STEL ", 49.442234
"Max STEL @ ", 14:44:13 22-Aug-2018
"Avg point ", 29.149254
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 9.93, 20.4, 68, 734, 01 , 08:15:03, 22-Aug-2018
2, 11.64, 20.9, 70, 734, 00 , 08:30:03, 22-Aug-2018
3, 12.96, 21.6, 71, 734, 00 , 08:45:03, 22-Aug-2018
4, 10.84, 22.0, 70, 734, 00 , 09:00:03, 22-Aug-2018
5, 13.01, 21.3, 75, 734, 03 , 09:15:03, 22-Aug-2018
6, 9.55, 20.1, 85, 734, 00 , 09:30:03, 22-Aug-2018
7, 12.22, 19.8, 84, 734, 00 , 09:45:03, 22-Aug-2018
8, 18.64, 20.1, 80, 734, 00 , 10:00:03, 22-Aug-2018
9, 26.09, 21.0, 74, 734, 00 , 10:15:03, 22-Aug-2018
10, 26.90, 22.9, 72, 734, 00 , 10:30:03, 22-Aug-2018
11, 32.05, 25.2, 62, 734, 00 , 10:45:03, 22-Aug-2018
12, 36.18, 26.9, 55, 734, 00 , 11:00:03, 22-Aug-2018
13, 38.84, 28.8, 47, 734, 00 , 11:15:03, 22-Aug-2018
14, 38.00, 29.7, 43, 734, 00 , 11:30:03, 22-Aug-2018
15, 39.40, 30.1, 41, 734, 00 , 11:45:03, 22-Aug-2018
16, 38.89, 31.3, 40, 734, 00 , 12:00:03, 22-Aug-2018
17, 36.04, 32.4, 36, 734, 00 , 12:15:03, 22-Aug-2018
18, 34.74, 32.7, 35, 734, 00 , 12:30:03, 22-Aug-2018
19, 35.96, 33.3, 34, 734, 00 , 12:45:03, 22-Aug-2018
20, 37.96, 33.8, 33, 734, 00 , 13:00:03, 22-Aug-2018
21, 36.06, 34.2, 30, 732, 00 , 13:15:03, 22-Aug-2018
22, 40.64, 34.6, 29, 732, 00 , 13:30:03, 22-Aug-2018
23, 37.73, 35.2, 28, 732, 00 , 13:45:03, 22-Aug-2018
24, 35.73, 35.3, 28, 732, 00 , 14:00:03, 22-Aug-2018
25, 33.40, 35.4, 29, 732, 00 , 14:15:03, 22-Aug-2018
26, 34.46, 34.4, 29, 732, 00 , 14:30:03, 22-Aug-2018
27, 49.17, 33.8, 32, 732, 00 , 14:45:03, 22-Aug-2018

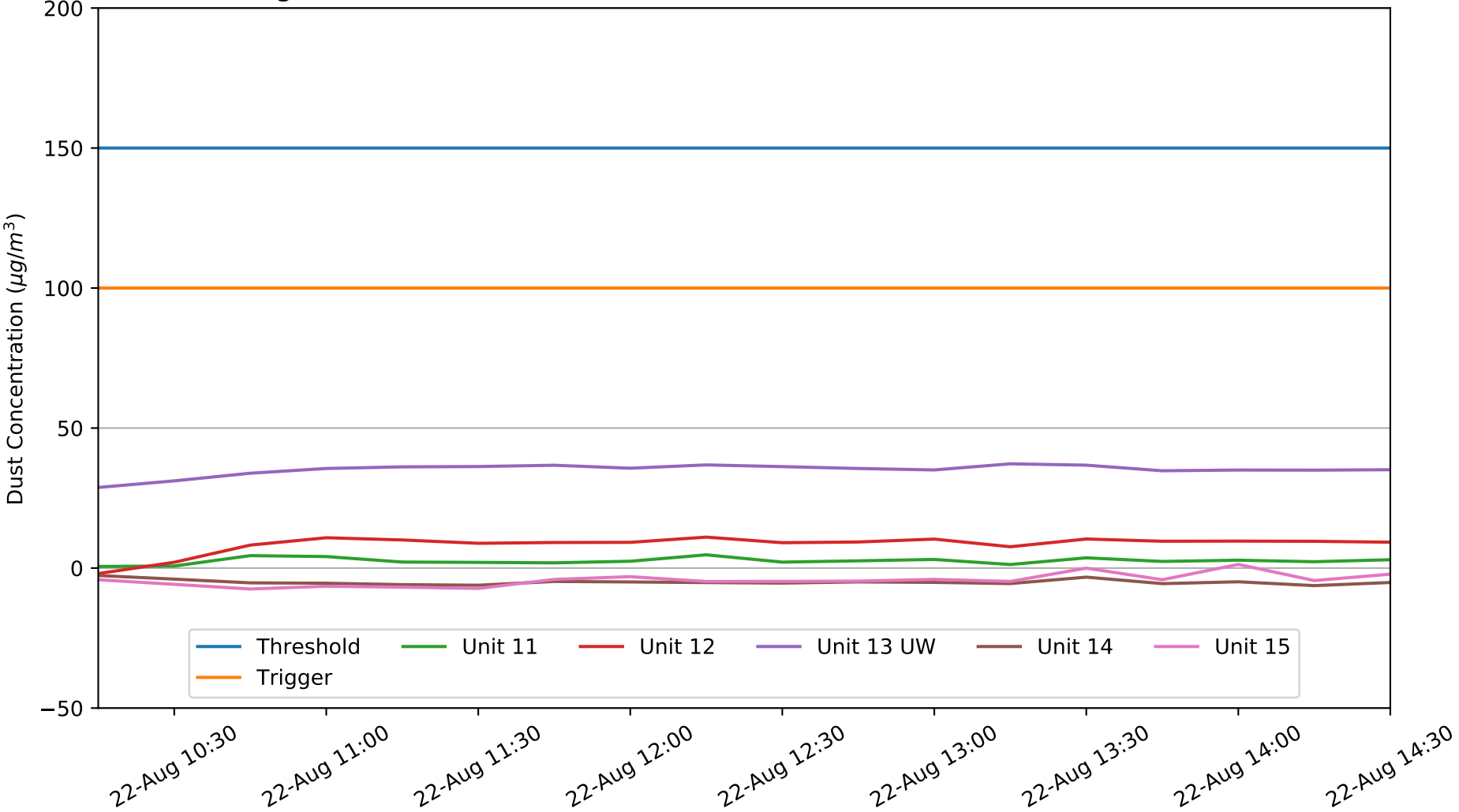
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"Unit ", 0
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"RH CORRECT ", "ENABLED "
"Max Disp ", 78.491311
"Max Disp @ ", 13:22:38 22-Aug-2018
"Max STEL ", 46.090169
"Max STEL @ ", 13:29:33 22-Aug-2018
"Avg point ", 28.468175
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 8.59, 20.9, 76, 732, 01 , 08:15:03, 22-Aug-2018
2, 11.39, 22.0, 73, 732, 00 , 08:30:03, 22-Aug-2018
3, 10.95, 22.5, 70, 732, 00 , 08:45:03, 22-Aug-2018
4, 9.67, 22.4, 71, 732, 00 , 09:00:03, 22-Aug-2018
5, 9.69, 21.9, 78, 732, 01 , 09:15:03, 22-Aug-2018
6, 8.18, 20.7, 87, 732, 00 , 09:30:03, 22-Aug-2018
7, 11.41, 20.1, 87, 732, 00 , 09:45:03, 22-Aug-2018
8, 15.44, 20.0, 86, 732, 00 , 10:00:03, 22-Aug-2018
9, 17.89, 20.3, 85, 732, 00 , 10:15:03, 22-Aug-2018
10, 21.32, 21.3, 82, 732, 00 , 10:30:03, 22-Aug-2018
11, 28.71, 22.5, 73, 732, 00 , 10:45:03, 22-Aug-2018
12, 33.65, 23.4, 66, 732, 00 , 11:00:03, 22-Aug-2018
13, 37.26, 24.3, 60, 732, 00 , 11:15:03, 22-Aug-2018
14, 39.64, 25.0, 56, 732, 00 , 11:30:03, 22-Aug-2018
15, 40.40, 25.3, 55, 732, 00 , 11:45:03, 22-Aug-2018
16, 40.67, 25.9, 53, 732, 00 , 12:00:03, 22-Aug-2018
17, 39.81, 26.4, 49, 732, 00 , 12:15:03, 22-Aug-2018
18, 38.49, 26.9, 47, 732, 00 , 12:30:03, 22-Aug-2018
19, 38.91, 27.6, 45, 732, 00 , 12:45:03, 22-Aug-2018
20, 38.41, 28.3, 42, 732, 00 , 13:00:03, 22-Aug-2018
21, 39.38, 29.3, 41, 732, 00 , 13:15:03, 22-Aug-2018
22, 45.28, 29.8, 39, 732, 00 , 13:30:03, 22-Aug-2018
23, 38.83, 30.1, 39, 732, 00 , 13:45:03, 22-Aug-2018
24, 39.73, 30.3, 37, 732, 00 , 14:00:03, 22-Aug-2018
25, 38.11, 30.3, 39, 732, 00 , 14:15:03, 22-Aug-2018
26, 38.37, 29.6, 40, 732, 00 , 14:30:03, 22-Aug-2018

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 13:29:33 22-Aug-2018
"Max STEL ", 46.322021
"Max STEL @ ", 13:35:13 22-Aug-2018
"Avg point ", 29.053123
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 8.22, 21.8, 77, 732, 00 , 08:15:03, 22-Aug-2018
2, 8.09, 22.4, 77, 732, 00 , 08:30:03, 22-Aug-2018
3, 7.95, 23.1, 74, 732, 00 , 08:45:03, 22-Aug-2018
4, 8.55, 23.8, 73, 732, 00 , 09:00:03, 22-Aug-2018
5, 8.80, 23.3, 79, 732, 00 , 09:15:03, 22-Aug-2018
6, 7.97, 21.4, 88, 732, 00 , 09:30:03, 22-Aug-2018
7, 9.81, 20.5, 91, 732, 00 , 09:45:03, 22-Aug-2018
8, 13.15, 20.4, 91, 732, 00 , 10:00:03, 22-Aug-2018
9, 15.90, 21.0, 89, 732, 00 , 10:15:03, 22-Aug-2018
10, 20.67, 22.0, 84, 732, 00 , 10:30:03, 22-Aug-2018
11, 28.93, 23.6, 74, 732, 00 , 10:45:03, 22-Aug-2018
12, 35.25, 24.7, 67, 732, 00 , 11:00:03, 22-Aug-2018
13, 38.32, 26.1, 60, 732, 00 , 11:15:03, 22-Aug-2018
14, 40.11, 27.3, 55, 732, 00 , 11:30:03, 22-Aug-2018
15, 41.18, 27.7, 53, 732, 00 , 11:45:03, 22-Aug-2018
16, 42.73, 28.2, 50, 732, 00 , 12:00:03, 22-Aug-2018
17, 42.68, 28.6, 47, 732, 00 , 12:15:03, 22-Aug-2018
18, 41.71, 28.7, 46, 732, 00 , 12:30:03, 22-Aug-2018
19, 42.10, 29.2, 45, 732, 00 , 12:45:03, 22-Aug-2018
20, 43.48, 29.8, 44, 732, 00 , 13:00:03, 22-Aug-2018
21, 41.23, 30.8, 43, 732, 00 , 13:15:03, 22-Aug-2018
22, 45.77, 32.0, 39, 732, 00 , 13:30:03, 22-Aug-2018
23, 41.46, 34.0, 36, 732, 00 , 13:45:03, 22-Aug-2018
24, 43.57, 36.3, 32, 732, 00 , 14:00:03, 22-Aug-2018
25, 38.63, 37.7, 31, 732, 00 , 14:15:03, 22-Aug-2018
26, 39.12, 36.3, 32, 732, 00 , 14:30:03, 22-Aug-2018

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 13:19:44 22-Aug-2018
"Max STEL ", 44.765277
"Max STEL @ ", 13:31:03 22-Aug-2018
"Avg point ", 30.996075
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
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1, 9.73, 21.8, 75, 734, 05 , 08:15:03, 22-Aug-2018
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3, 10.95, 25.0, 66, 734, 00 , 08:45:03, 22-Aug-2018
4, 11.23, 25.3, 65, 734, 00 , 09:00:03, 22-Aug-2018
5, 13.19, 24.5, 74, 734, 00 , 09:15:03, 22-Aug-2018
6, 9.07, 22.8, 85, 734, 00 , 09:30:03, 22-Aug-2018
7, 12.37, 22.2, 85, 734, 00 , 09:45:03, 22-Aug-2018
8, 16.28, 22.4, 86, 734, 00 , 10:00:03, 22-Aug-2018
9, 18.28, 23.4, 85, 734, 00 , 10:15:03, 22-Aug-2018
10, 24.61, 26.4, 77, 734, 00 , 10:30:03, 22-Aug-2018
11, 39.08, 31.1, 56, 734, 00 , 10:45:03, 22-Aug-2018
12, 42.43, 34.6, 42, 734, 00 , 11:00:03, 22-Aug-2018
13, 42.20, 37.7, 33, 734, 00 , 11:15:03, 22-Aug-2018
14, 42.16, 38.5, 29, 734, 00 , 11:30:03, 22-Aug-2018
15, 42.16, 38.5, 29, 734, 00 , 11:45:03, 22-Aug-2018
16, 43.21, 39.5, 27, 734, 00 , 12:00:03, 22-Aug-2018
17, 43.64, 40.6, 25, 734, 00 , 12:15:03, 22-Aug-2018
18, 40.88, 41.0, 24, 734, 00 , 12:30:03, 22-Aug-2018
19, 41.27, 41.3, 24, 734, 00 , 12:45:03, 22-Aug-2018
20, 41.84, 41.6, 23, 734, 00 , 13:00:03, 22-Aug-2018
21, 41.21, 41.9, 24, 734, 00 , 13:15:03, 22-Aug-2018
22, 44.62, 42.7, 22, 734, 00 , 13:30:03, 22-Aug-2018
23, 41.49, 43.3, 21, 734, 00 , 13:45:03, 22-Aug-2018
24, 42.41, 43.1, 21, 734, 00 , 14:00:03, 22-Aug-2018
25, 40.22, 43.1, 22, 734, 00 , 14:15:03, 22-Aug-2018
26, 40.41, 41.5, 23, 734, 00 , 14:30:03, 22-Aug-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 22-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 22-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 12	Unit 13 UW	Unit 11	Unit 14	Unit 15	Threshold	Trigger
2018-08-22 10:15:00	-1.97	28.79	0.58	-2.66	-4.17	150	100
2018-08-22 10:30:00	2.07	31.14	0.73	-3.95	-5.81	150	100
2018-08-22 10:45:00	8.2	33.87	4.44	-5.28	-7.48	150	100
2018-08-22 11:00:00	10.83	35.57	4.11	-5.41	-6.48	150	100
2018-08-22 11:15:00	10.04	36.14	2.15	-5.92	-6.82	150	100
2018-08-22 11:30:00	8.85	36.26	2.03	-6.12	-7.27	150	100
2018-08-22 11:45:00	9.13	36.72	1.87	-4.78	-4.05	150	100
2018-08-22 12:00:00	9.19	35.66	2.44	-4.96	-3.07	150	100
2018-08-22 12:15:00	11.05	36.84	4.73	-5.18	-4.8	150	100
2018-08-22 12:30:00	9.06	36.23	2.13	-5.36	-4.77	150	100
2018-08-22 12:45:00	9.31	35.56	2.58	-4.94	-4.66	150	100
2018-08-22 13:00:00	10.35	35.04	3.08	-5.11	-4.03	150	100
2018-08-22 13:15:00	7.61	37.23	1.27	-5.54	-4.77	150	100
2018-08-22 13:30:00	10.38	36.75	3.66	-3.24	-0.03	150	100
2018-08-22 13:45:00	9.58	34.75	2.37	-5.56	-4.16	150	100
2018-08-22 14:00:00	9.63	35.01	2.81	-4.9	1.3	150	100
2018-08-22 14:15:00	9.56	34.97	2.27	-6.27	-4.45	150	100
2018-08-22 14:30:00	9.24	35.12	2.98	-5.15	-2.18	150	100

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"Unit ", 0
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"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 60.574026
"Max Disp @ ", 12:04:21 22-Aug-2018
"Max STEL ", 47.984805
"Max STEL @ ", 12:17:03 22-Aug-2018
"Avg point ", 43.542595
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 26.82, 18.5, 76, 734, 01 , 10:15:03, 22-Aug-2018
2, 33.21, 21.5, 69, 734, 00 , 10:30:03, 22-Aug-2018
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8, 44.85, 30.2, 40, 734, 00 , 12:00:03, 22-Aug-2018
9, 47.89, 30.0, 39, 734, 00 , 12:15:03, 22-Aug-2018
10, 45.29, 29.6, 39, 734, 00 , 12:30:03, 22-Aug-2018
11, 44.87, 29.2, 40, 734, 00 , 12:45:03, 22-Aug-2018
12, 45.39, 29.3, 41, 734, 00 , 13:00:03, 22-Aug-2018
13, 44.84, 29.5, 40, 734, 00 , 13:15:03, 22-Aug-2018
14, 47.13, 29.8, 39, 734, 00 , 13:30:03, 22-Aug-2018
15, 44.33, 30.3, 38, 734, 00 , 13:45:03, 22-Aug-2018
16, 44.64, 30.4, 38, 734, 00 , 14:00:03, 22-Aug-2018
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18, 44.36, 29.0, 39, 734, 00 , 14:30:03, 22-Aug-2018

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"Unit ", 0
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"Max STEL ", 37.582812
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"Avg point ", 35.090623
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1, 28.79, 22.4, 64, 728, 03 , 10:18:11, 22-Aug-2018
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4, 35.57, 26.7, 57, 732, 00 , 11:03:11, 22-Aug-2018
5, 36.14, 27.5, 52, 732, 00 , 11:18:11, 22-Aug-2018
6, 36.26, 27.1, 51, 732, 00 , 11:33:11, 22-Aug-2018
7, 36.72, 27.2, 51, 732, 00 , 11:48:11, 22-Aug-2018
8, 35.66, 27.8, 51, 732, 00 , 12:03:11, 22-Aug-2018
9, 36.84, 27.7, 49, 732, 00 , 12:18:11, 22-Aug-2018
10, 36.23, 27.8, 48, 732, 00 , 12:33:11, 22-Aug-2018
11, 35.56, 28.3, 49, 732, 00 , 12:48:11, 22-Aug-2018
12, 35.04, 29.0, 46, 732, 00 , 13:03:11, 22-Aug-2018
13, 37.23, 29.2, 44, 732, 00 , 13:18:11, 22-Aug-2018
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15, 34.75, 30.4, 42, 732, 00 , 13:48:11, 22-Aug-2018
16, 35.01, 30.8, 39, 732, 00 , 14:03:11, 22-Aug-2018
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"RH CORRECT ", "ENABLED "
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4, 39.68, 29.8, 45, 734, 00 , 11:00:03, 22-Aug-2018
5, 38.29, 31.4, 38, 734, 00 , 11:15:03, 22-Aug-2018
6, 38.29, 31.5, 38, 732, 00 , 11:30:03, 22-Aug-2018
7, 38.59, 31.2, 38, 732, 00 , 11:45:03, 22-Aug-2018
8, 38.10, 31.5, 37, 732, 00 , 12:00:03, 22-Aug-2018
9, 41.57, 31.3, 36, 732, 00 , 12:15:03, 22-Aug-2018
10, 38.36, 31.0, 36, 732, 00 , 12:30:03, 22-Aug-2018
11, 38.14, 30.5, 37, 732, 00 , 12:45:03, 22-Aug-2018
12, 38.12, 30.6, 38, 732, 00 , 13:00:03, 22-Aug-2018
13, 38.50, 31.0, 37, 732, 00 , 13:15:03, 22-Aug-2018
14, 40.41, 31.3, 36, 732, 00 , 13:30:03, 22-Aug-2018
15, 37.12, 31.8, 35, 732, 00 , 13:45:03, 22-Aug-2018
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6, 30.14, 21.7, 57, 734, 00 , 11:30:03, 22-Aug-2018
7, 31.94, 21.8, 56, 734, 00 , 11:45:03, 22-Aug-2018
8, 30.70, 22.2, 55, 734, 00 , 12:00:03, 22-Aug-2018
9, 31.66, 22.5, 51, 734, 00 , 12:15:03, 22-Aug-2018
10, 30.87, 22.9, 49, 734, 00 , 12:30:03, 22-Aug-2018
11, 30.62, 23.3, 48, 734, 00 , 12:45:03, 22-Aug-2018
12, 29.93, 24.0, 47, 734, 00 , 13:00:03, 22-Aug-2018
13, 31.69, 24.7, 45, 734, 00 , 13:15:03, 22-Aug-2018
14, 33.51, 25.2, 43, 734, 00 , 13:30:03, 22-Aug-2018
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"Max Disp @ ", 13:59:49 22-Aug-2018
"Max STEL ", 36.944237
"Max STEL @ ", 13:29:33 22-Aug-2018
"Avg point ", 30.774820
"ALARM ", "INSTANT "
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4, 29.09, 20.8, 67, 734, 00 , 11:00:03, 22-Aug-2018
5, 29.32, 21.5, 61, 734, 00 , 11:15:03, 22-Aug-2018
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7, 32.67, 22.2, 59, 734, 00 , 11:45:03, 22-Aug-2018
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9, 32.04, 22.8, 54, 734, 00 , 12:15:03, 22-Aug-2018
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15, 30.59, 26.9, 42, 734, 00 , 13:45:03, 22-Aug-2018
16, 36.31, 28.5, 39, 734, 00 , 14:00:03, 22-Aug-2018
17, 30.52, 28.9, 36, 734, 00 , 14:15:03, 22-Aug-2018
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TABLE 1
PCB Air Monitoring Results
Former Sperry Remington Site - North Portion
Elmira, New York

			Polychlorinated Biphenyls								
			Arochlor 1016	Arochlor 1221	Arochlor 1232	Arochlor 1242	Arochlor 1248	Arochlor 1254	Arochlor 1260	Arochlor 1268	Arochlor 1262
			µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3
EQL			0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
Lab Report	**Location**	**Sample Date**									
200-44053-1	DOWNWIND AT AIR INTAKE	6/24/2018	<0.0041U	<0.0041U	<0.0041U	<0.0041U	**0.026=**	<0.0041U	<0.0041U	<0.0041U	<0.0041U
200-44053-1	DOWNWIND	6/25/2018	<0.0016U	<0.0016U	<0.0016U	<0.0016U	**0.0021**	<0.0016U	<0.0016U	<0.0016U	<0.0016U
200-44053-1	DOWNWIND AT AIR INTAKE	6/25/2018	<0.0014U	<0.0014U	<0.0014U	<0.0014U	**0.00033J**	<0.0014U	<0.0014U	<0.0014U	<0.0014U
200-44053-1	UPWIND	6/25/2018	<0.0016U	<0.0016U	<0.0016U	<0.0016U	**0.0011J**	<0.0016U	<0.0016U	<0.0016U	<0.0016U
200-44063-1	DOWNWIND	6/26/2018	<0.00074U	<0.00074UJ	<0.00074UJ	<0.00074UJ	**0.005J**	<0.00074UJ	<0.00074UJ	<0.00074UJ	<0.00074UJ
200-44063-1	DOWNWIND AT AIR INTAKE	6/26/2018	<0.0022UJ	<0.0022UJ	<0.0022UJ	<0.0022UJ	**0.018J**	<0.0022UJ	<0.0022UJ	<0.0022UJ	<0.0022UJ
200-44063-1	UPWIND	6/26/2018	<0.00074UJ	<0.00074UJ	<0.00074UJ	<0.00074UJ	**0.0009J**	<0.00074UJ	<0.00074UJ	<0.00074UJ	<0.00074UJ
200-44089-1	DOWNWIND	6/27/2018	<0.00073U	<0.00073U	<0.00073U	<0.00073U	**0.0063J**	<0.00073U	<0.00073U	<0.00073U	<0.00073U
200-44089-1	DOWNWIND AT AIR INTAKE	6/27/2018	<0.0027U	<0.0027U	<0.0027U	<0.0027U	**0.031J**	<0.0027U	<0.0027U	<0.0027U	<0.0027U
200-44089-1	UPWIND	6/27/2018	<0.00074U	<0.00074U	<0.00074U	<0.00074U	**0.0011J**	<0.00074U	<0.00074U	<0.00074U	<0.00074U
200-44122-1	DOWNWIND	6/28/2018	<0.00082U	<0.00082U	<0.00082U	<0.00082U	**0.0007J**	<0.00082U	<0.00082U	<0.00082U	<0.00082U
200-44122-1	DOWNWIND AT AIR INTAKE	6/28/2018	<0.0008U	<0.0008U	<0.0008U	<0.0008U	**0.0032**	<0.0008U	<0.0008U	<0.0008U	<0.0008U
200-44122-1	UPWIND	6/28/2018	<0.0028U	<0.0028U	<0.0028U	<0.0028U	**0.014**	<0.0028U	<0.0028U	<0.0028U	<0.0028U
200-44136-1	DOWNWIND	6/29/2018	<0.0011U	<0.0011U	<0.0011U	<0.0011U	**0.012J**	<0.0011U	<0.0011U	<0.0011U	<0.0011U
200-44136-1	DOWNWIND AT AIR INTAKE	6/29/2018	<0.0003U	<0.0003U	<0.0003U	<0.0003U	**0.00044J**	<0.0003U	<0.0003U	<0.0003U	<0.0003U
200-44136-1	UPWIND	6/29/2018	<0.00033U	<0.00033U	<0.00033U	<0.00033U	**0.00032J**	<0.00033U	<0.00033U	<0.00033U	<0.00033U
200-44181-1	DOWNWIND	6/30/2018	<0.0004U	<0.0004U	<0.0004U	<0.0004U	**0.0022J**	<0.0004U	<0.0004U	<0.0004U	<0.0004U
200-44181-1	DOWNWIND AT AIR INTAKE	6/30/2018	<0.0015U	<0.0015U	<0.0015U	<0.0015U	**0.016J**	<0.0015U	<0.0015U	<0.0015U	<0.0015U
200-44181-1	UPWIND	6/30/2018	<0.00035U	<0.00035U	<0.00035U	<0.00035U	**0.0012J**	<0.00035U	<0.00035U	<0.00035U	<0.00035U
200-44253-1	DOWNWIND	7/9/2018	<0.00083UJ	<0.00083UJ	<0.00083UJ	<0.00083UJ	**0.0033J**	<0.00083UJ	<0.00083UJ	<0.00083UJ	<0.00083UJ
200-44253-1	DOWNWIND AT AIR INTAKE	7/9/2018	<0.0033UJ	<0.0033UJ	<0.0033UJ	<0.0033UJ	**0.025J**	<0.0033UJ	<0.0033UJ	<0.0033UJ	<0.0033UJ
200-44253-1	UPWIND	7/9/2018	<0.00092UJ	<0.00092UJ	<0.00092UJ	<0.00092UJ	**0.013J**	<0.00092UJ	<0.00092UJ	<0.00092UJ	<0.00092UJ
200-44365-1	DOWNWIND	7/16/2018	<0.00082U	<0.00082U	<0.00082U	<0.00082U	**0.0074**	<0.00082U	<0.00082U	<0.00082U	<0.00082U
200-44365-1	DOWNWIND AT AIR INTAKE	7/16/2018	<0.004U	<0.004U	<0.004U	<0.004U	**0.032**	<0.004U	<0.004U	<0.004U	<0.004U
200-44365-1	UPWIND	7/16/2018	<0.00082U	<0.00082U	<0.00082U	<0.00082U	**0.0025**	<0.00082U	<0.00082U	<0.00082U	<0.00082U
200-44467-1	DOWNWIND	7/23/2018	<0.0015U	<0.0015U	<0.0015U	0.0027U	**<0.0015J**	<0.0015U	<0.0015U	<0.0015U	<0.0015U
200-44467-1	DOWNWIND AT AIR INTAKE	7/23/2018	<0.0014U	<0.0014U	<0.0014U	0.0046U	**<0.0014J**	<0.0014U	<0.0014U	<0.0014U	<0.0014U
200-44467-1	UPWIND	7/23/2018	<0.0015U	<0.0015U	<0.0015U	0.00056U	**<0.0015J**	<0.0015U	<0.0015U	<0.0015U	<0.0015U

DAILY OBSERVATION REPORT

Report No.:	75	Project File:	MN0832D	Date:	08/23/2018

Geosyntec consultants
engineers | scientists | innovators

Beech and Bonaparte engineering p.c.
an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Jim Burnett

Site Representative: Ashwin Ranna

Arrive at Site: 0645hrs. Leave Site: 1845 hrs.

Contractor: Recon

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Sunny and Clear	am	Sunny and Clear	Pm
Temperature:	55° F	am	77° F	Pm
Wind Direction:	8 SSW	am	8 W	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☒	No ☐	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 75 Project File: MN0832D Date: 08/23/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 10 Total Loads to date: 451

Weight: ~20 tons/each Total Weight to date: ~10560 Tons

Non Haz Soil Removal:

Total Loads today: 0 Total Loads to date: 256

Weight: 20-33 tons/each Total Weight to date: ~6019 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: Tons Total Weight to date: 175 Tons

Imported Common Fill:

Total Loads today: 94 Total Loads to date: ~1,411

Weight: ~21 Tons/each Total Weight to date: ~14,793 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	75	Project File:	MN0832D	Date:	08/23/2018

Summary of Events

AM

- Geosyntec arrived on site at 0645. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed work plan for the day. Aron Krasnopoler on site.
- Geosyntec calibrated and deployed dust monitors.
- Recon continued backfilling the excavation and prepared to remove the sheet piling around the former TSCA loading area. Crane was moved into position after a platform was made and sheet pile removal began.
- Asphalt milling removal continued through the day and all asphalt millings were shipped offsite by end of day.
- AK left site at 1130.
- School contractor began asphalt milling in the morning and completed milling asphalt to the west of site.

PM

- Scott Williams onsite.
- Recon loaded 10 TSCA trucks. Trucks were stationed over crane mats and on poly while being loaded. All elevated lead material on site has been taken offsite.
- 2 trucks took approximately 11,000 gallons of water from the Frac tanks offsite.
- Backfilling efforts with imported fill material continued throughout the afternoon. Geosyntec collected samples and prepared them for shipping. Geosyntec completed a SWPPP inspection.
- No non-hazardous material was loaded for offsite shipment from the MSA.
- Recon covered piles in the MSA and RPL at the end of the day. Geosyntec collected dust monitors and analyzed the data.
- SM headed to FedEx at 1730. Samples were shipped. Geosyntec shut down and left site around 1845.

Report No.: 75 Project File: MN0832D Date: 08/23/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Rich Tonnucour
- (Recon labor) X17

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- CAT 725 Haul truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Denver Tyler	Atlantic Testing	Yes
Scott Williams	DEC	Yes
Aron Kransnopoler	Geosyntec	No

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date (RPL Turnover to ECSD): 8/27/18
Completion Date (MSA Turnover to STCC): TBD

ITEMS OF CONCERN:

2 dust monitors along the western edge of the RPL have a spike in the readings in the morning. Spikes are attributed to exhaust from the milling machine operating along the western edge outside the excavation area. No other exceedances were observed on site.

DAILY OBSERVATION REPORT

Report No.:	75	Project File:	MN0832D	Date:	08/23/2018

Site Representative: Ashwin Ranna

Name (Signature):



Report No.: 75 Project File: MN0832D Date: 08/23/2018

Photo Log
Date : 08/23/2018

	
Backfilling of material in Phase 3 area	Scraping up last portion of Asphalt material prior to loadout
	
Sheet pile removal	Completed Asphalt millings by school contractor to west of RPL

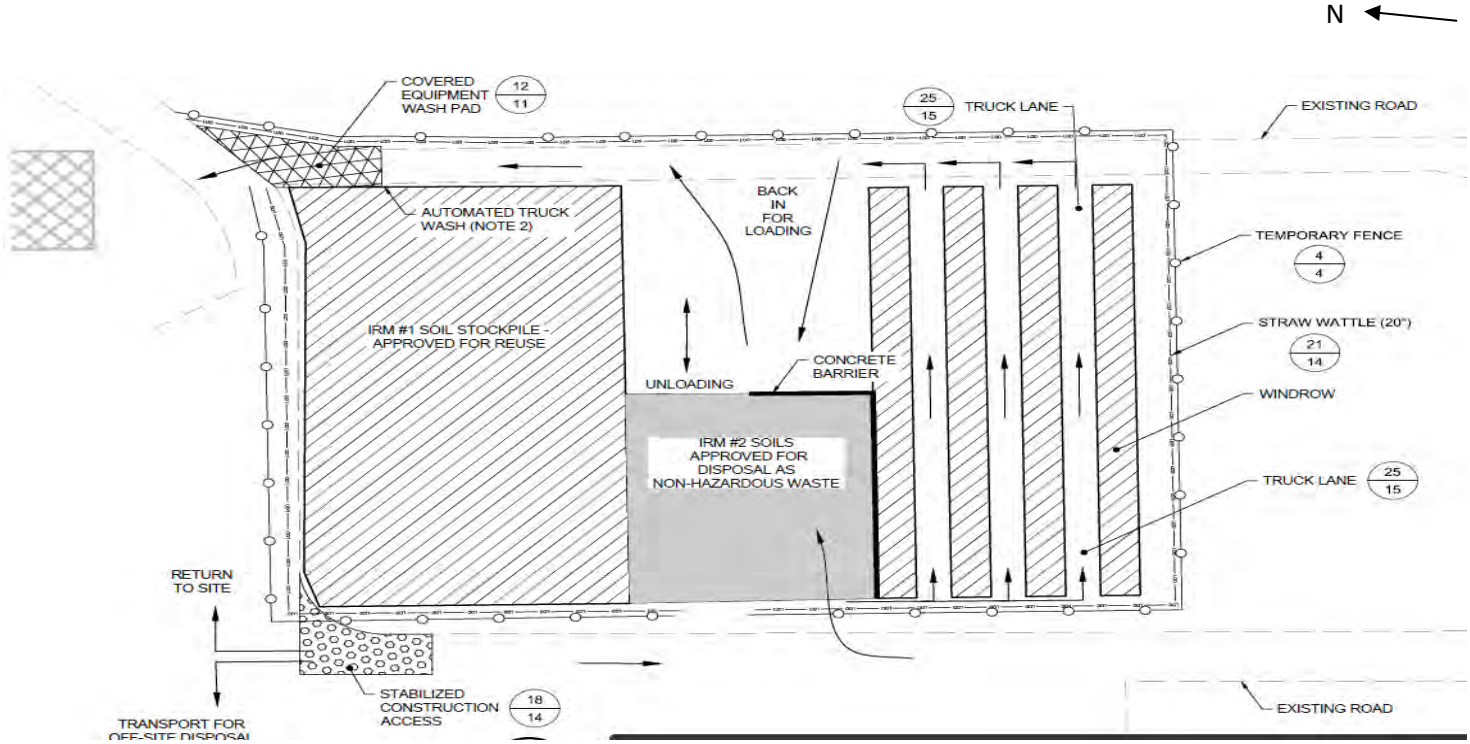
Report No.:	75	Project File:	MN0832D	Date:	08/23/2018

Site Map

Rear Parking Lot

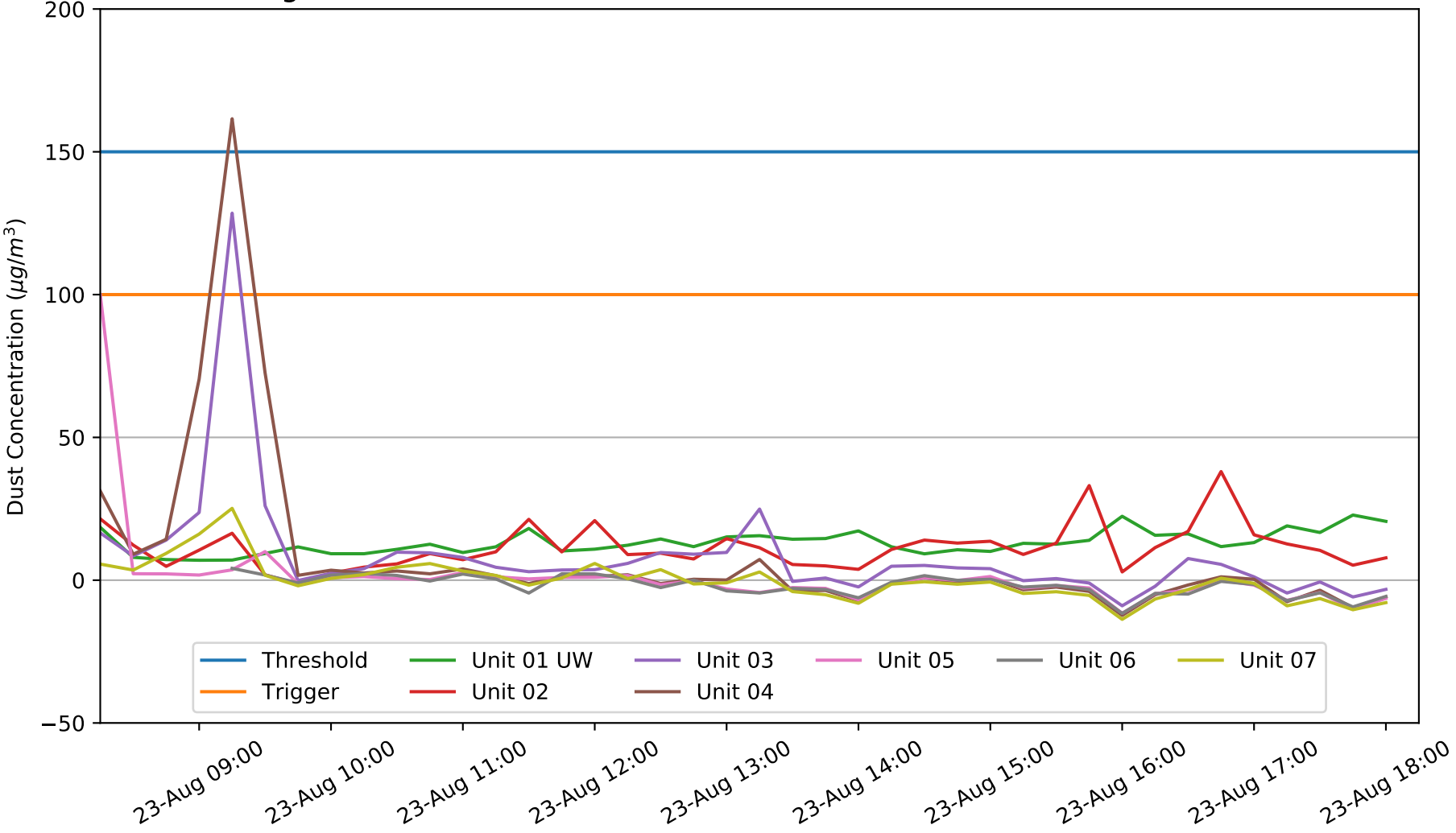


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 23-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 23-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 03	Unit 07	Unit 06	Unit 01 UW	Unit 05	Unit 02	Unit 04	Threshold	Trigger
2018-08-23 08:15:00	16.54	5.63		18.5	99.97	21.48	31.22	150	100
2018-08-23 08:30:00	8.47	3.55		8	2.26	12.29	9.1	150	100
2018-08-23 08:45:00	14.04	9.39		7.22	2.21	4.84	14.32	150	100
2018-08-23 09:00:00	23.7	16.15		6.98	1.8	10.53	70.43	150	100
2018-08-23 09:15:00	128.52	25.15	4.15	7.04	3.62	16.44	161.57	150	100
2018-08-23 09:30:00	26.06	1.72	1.8	9.36	10.01	1.88	72.57	150	100
2018-08-23 09:45:00	-0.11	-1.96	-0.96	11.65	-1.21	-1.32	1.69	150	100
2018-08-23 10:00:00	2.44	0.63	1.79	9.27	0.88	2.41	3.5	150	100
2018-08-23 10:15:00	4.03	1.95	2.31	9.26	1.27	4.57	2.52	150	100
2018-08-23 10:30:00	9.81	4.55	1.65	10.81	0.54	5.71	3.22	150	100
2018-08-23 10:45:00	9.57	5.82	-0.3	12.59	0.23	9.32	2.23	150	100
2018-08-23 11:00:00	7.96	3.2	2.15	9.68	2.69	7.17	3.94	150	100
2018-08-23 11:15:00	4.52	1.66	0.42	11.69	1.18	9.93	1.57	150	100
2018-08-23 11:30:00	2.97	-1.74	-4.51	18.11	0.45	21.31	-1.19	150	100
2018-08-23 11:45:00	3.57	0.75	2.23	10.23	0.96	9.89	1.31	150	100
2018-08-23 12:00:00	3.68	5.86	2.21	10.86	1.02	20.87	1.28	150	100
2018-08-23 12:15:00	5.88	0.52	0.48	12.24	1.63	8.96	1.9	150	100
2018-08-23 12:30:00	9.69	3.69	-2.59	14.43	-1.57	9.46	-1.17	150	100
2018-08-23 12:45:00	9.1	-1.33	0.01	11.74	-0.19	7.42	0.33	150	100
2018-08-23 13:00:00	9.71	-0.92	-3.74	15.15	-3.09	14.54	0.06	150	100
2018-08-23 13:15:00	24.91	2.88	-4.48	15.58	-4.33	11.37	7.26	150	100
2018-08-23 13:30:00	-0.43	-3.99	-2.88	14.34	-2.58	5.49	-3.75	150	100
2018-08-23 13:45:00	0.76	-5.08	-3.25	14.58	-2.86	5.01	-3.59	150	100
2018-08-23 14:00:00	-2.36	-8.09	-6.17	17.26	-6.91	3.79	-7.17	150	100
2018-08-23 14:15:00	4.88	-1.4	-0.74	11.7	-1.21	10.75	-1.26	150	100
2018-08-23 14:30:00	5.17	-0.55	1.59	9.23	0.89	14.04	0.89	150	100
2018-08-23 14:45:00	4.3	-1.41	-0.05	10.66	-0.12	12.99	-0.84	150	100
2018-08-23 15:00:00	4.03	-0.65	0.33	10.07	1.29	13.64	0.6	150	100
2018-08-23 15:15:00	-0.18	-4.65	-2.42	12.91	-2.77	9.01	-3.35	150	100
2018-08-23 15:30:00	0.57	-4.04	-1.8	12.6	-1.86	12.98	-2.41	150	100
2018-08-23 15:45:00	-1	-5.33	-3.25	13.96	-2.72	33.13	-3.92	150	100
2018-08-23 16:00:00	-8.97	-13.72	-11.63	22.38	-11.59	2.89	-12.34	150	100
2018-08-23 16:15:00	-2.13	-6.61	-4.62	15.71	-4.71	11.41	-5.11	150	100
2018-08-23 16:30:00	7.58	-3.28	-4.86	16.21	-3.54	17.09	-1.68	150	100
2018-08-23 16:45:00	5.54	0.71	-0.42	11.76	-0.03	38.04	1.18	150	100
2018-08-23 17:00:00	1.17	-1.09	-1.48	13.17	-1.72	15.88	0.34	150	100
2018-08-23 17:15:00	-4.5	-8.98	-7.17	19.02	-7.05	12.69	-7.53	150	100
2018-08-23 17:30:00	-0.62	-6.43	-4.4	16.7	-4.33	10.44	-3.51	150	100
2018-08-23 17:45:00	-5.88	-10.35	-9.35	22.81	-10.24	5.25	-9.62	150	100
2018-08-23 18:00:00	-3.22	-7.85	-5.68	20.6	-6.36	7.82	-5.86	150	100
2018-08-23 18:15:00								150	100

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"Errors ", 0000
"Inlet Type " "TOTAL "
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"Site Name ", "Factory default"
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2, 16.47, 15.5, 40, 740, 00 , 08:30:03, 23-Aug-2018
3, 21.26, 19.5, 33, 740, 00 , 08:45:03, 23-Aug-2018
4, 30.68, 23.1, 27, 740, 00 , 09:00:03, 23-Aug-2018
5, 135.56, 26.1, 24, 740, 00 , 09:15:03, 23-Aug-2018
6, 35.42, 29.1, 21, 740, 00 , 09:30:03, 23-Aug-2018
7, 11.54, 32.1, 18, 740, 00 , 09:45:03, 23-Aug-2018
8, 11.71, 34.4, 15, 742, 00 , 10:00:03, 23-Aug-2018
9, 13.29, 35.4, 15, 742, 00 , 10:15:03, 23-Aug-2018
10, 20.62, 35.4, 15, 742, 00 , 10:30:03, 23-Aug-2018
11, 22.16, 35.7, 15, 742, 00 , 10:45:03, 23-Aug-2018
12, 17.64, 35.6, 15, 742, 00 , 11:00:03, 23-Aug-2018
13, 16.21, 37.0, 14, 742, 00 , 11:15:03, 23-Aug-2018
14, 21.08, 38.7, 13, 742, 00 , 11:30:03, 23-Aug-2018
15, 13.80, 39.7, 12, 742, 00 , 11:45:03, 23-Aug-2018
16, 14.54, 40.9, 11, 742, 00 , 12:00:03, 23-Aug-2018
17, 18.12, 40.6, 11, 742, 00 , 12:15:03, 23-Aug-2018
18, 24.12, 38.1, 12, 742, 00 , 12:30:03, 23-Aug-2018
19, 20.84, 35.1, 14, 742, 00 , 12:45:03, 23-Aug-2018
20, 24.86, 33.5, 15, 742, 00 , 13:00:03, 23-Aug-2018
21, 40.49, 34.0, 14, 740, 00 , 13:15:03, 23-Aug-2018
22, 13.91, 34.5, 14, 740, 00 , 13:30:03, 23-Aug-2018
23, 15.34, 35.5, 13, 740, 00 , 13:45:03, 23-Aug-2018
24, 14.90, 34.6, 14, 740, 00 , 14:00:03, 23-Aug-2018
25, 16.58, 32.6, 16, 740, 00 , 14:15:03, 23-Aug-2018
26, 14.40, 30.3, 18, 740, 00 , 14:30:03, 23-Aug-2018
27, 14.96, 28.1, 19, 740, 00 , 14:45:03, 23-Aug-2018
28, 14.10, 26.4, 21, 740, 00 , 15:00:03, 23-Aug-2018
29, 12.73, 25.4, 23, 740, 00 , 15:15:03, 23-Aug-2018
30, 13.17, 24.4, 24, 740, 00 , 15:30:03, 23-Aug-2018
31, 12.96, 23.8, 25, 740, 00 , 15:45:03, 23-Aug-2018
32, 13.41, 23.4, 25, 740, 00 , 16:00:03, 23-Aug-2018
33, 13.58, 22.9, 26, 740, 00 , 16:15:03, 23-Aug-2018
34, 23.79, 22.4, 27, 740, 00 , 16:30:03, 23-Aug-2018
35, 17.30, 22.0, 26, 740, 00 , 16:45:03, 23-Aug-2018
36, 14.34, 21.6, 27, 740, 00 , 17:00:03, 23-Aug-2018
37, 14.52, 21.3, 27, 740, 00 , 17:15:03, 23-Aug-2018
38, 16.08, 21.1, 28, 740, 00 , 17:30:03, 23-Aug-2018
39, 16.93, 20.6, 28, 740, 00 , 17:45:03, 23-Aug-2018
40, 17.38, 20.1, 29, 740, 00 , 18:00:03, 23-Aug-2018

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"Errors ", 0000
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3, 16.61, 19.7, 60, 740, 00 , 08:45:03, 23-Aug-2018
4, 23.13, 21.4, 56, 740, 00 , 09:00:03, 23-Aug-2018
5, 32.19, 23.6, 50, 738, 00 , 09:15:03, 23-Aug-2018
6, 11.08, 25.2, 47, 740, 00 , 09:30:03, 23-Aug-2018
7, 9.69, 26.6, 45, 740, 00 , 09:45:03, 23-Aug-2018
8, 9.90, 27.6, 42, 740, 00 , 10:00:03, 23-Aug-2018
9, 11.21, 27.7, 42, 740, 00 , 10:15:03, 23-Aug-2018
10, 15.36, 27.8, 42, 740, 00 , 10:30:03, 23-Aug-2018
11, 18.41, 27.7, 42, 740, 00 , 10:45:03, 23-Aug-2018
12, 12.88, 27.6, 42, 740, 00 , 11:00:03, 23-Aug-2018
13, 13.35, 28.2, 39, 740, 00 , 11:15:03, 23-Aug-2018
14, 16.37, 28.6, 38, 740, 00 , 11:30:03, 23-Aug-2018
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20, 14.23, 30.3, 33, 740, 00 , 13:00:03, 23-Aug-2018
21, 18.46, 30.6, 31, 738, 00 , 13:15:03, 23-Aug-2018
22, 10.35, 31.7, 31, 738, 00 , 13:30:03, 23-Aug-2018
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24, 9.17, 33.5, 28, 738, 00 , 14:00:03, 23-Aug-2018
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26, 8.68, 36.7, 25, 740, 00 , 14:30:03, 23-Aug-2018
27, 9.25, 37.9, 22, 738, 00 , 14:45:03, 23-Aug-2018
28, 9.42, 38.4, 22, 738, 00 , 15:00:03, 23-Aug-2018
29, 8.26, 40.1, 20, 738, 00 , 15:15:03, 23-Aug-2018
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32, 8.66, 43.0, 17, 738, 00 , 16:00:03, 23-Aug-2018
33, 9.10, 43.4, 17, 738, 00 , 16:15:03, 23-Aug-2018
34, 12.93, 43.6, 16, 738, 00 , 16:30:03, 23-Aug-2018
35, 12.47, 43.1, 16, 738, 00 , 16:45:03, 23-Aug-2018
36, 12.08, 43.2, 16, 738, 00 , 17:00:03, 23-Aug-2018
37, 10.04, 43.0, 17, 738, 00 , 17:15:03, 23-Aug-2018
38, 10.27, 43.3, 16, 738, 00 , 17:30:03, 23-Aug-2018
39, 12.46, 42.9, 16, 738, 00 , 17:45:03, 23-Aug-2018
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41, 15.75, 40.4, 19, 738, 00 , 18:15:03, 23-Aug-2018

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4, 11.06, 27.9, 39, 740, 00 , 10:03:53, 23-Aug-2018
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6, 12.46, 28.8, 36, 740, 00 , 10:33:53, 23-Aug-2018
7, 12.29, 28.4, 36, 740, 00 , 10:48:53, 23-Aug-2018
8, 11.83, 28.5, 36, 740, 00 , 11:03:53, 23-Aug-2018
9, 12.11, 29.0, 36, 740, 00 , 11:18:53, 23-Aug-2018
10, 13.60, 30.0, 34, 740, 00 , 11:33:53, 23-Aug-2018
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12, 13.07, 30.6, 31, 738, 00 , 12:03:53, 23-Aug-2018
13, 12.72, 30.7, 32, 738, 00 , 12:18:53, 23-Aug-2018
14, 11.84, 29.5, 32, 738, 00 , 12:33:53, 23-Aug-2018
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27, 10.71, 26.1, 37, 738, 00 , 15:48:53, 23-Aug-2018
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31, 11.34, 26.0, 35, 738, 00 , 16:48:53, 23-Aug-2018
32, 11.69, 26.4, 34, 738, 00 , 17:03:53, 23-Aug-2018
33, 11.85, 27.7, 32, 738, 00 , 17:18:53, 23-Aug-2018
34, 12.30, 28.4, 31, 738, 00 , 17:33:53, 23-Aug-2018
35, 13.46, 28.6, 29, 738, 00 , 17:48:53, 23-Aug-2018
36, 14.92, 28.2, 30, 738, 00 , 18:03:53, 23-Aug-2018
37, 17.01, 27.0, 32, 738, 00 , 18:18:53, 23-Aug-2018

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4, 6.98, 13.7, 73, 740, 00 , 09:00:03, 23-Aug-2018
5, 7.04, 14.1, 74, 740, 00 , 09:15:03, 23-Aug-2018
6, 9.36, 15.6, 68, 740, 00 , 09:30:03, 23-Aug-2018
7, 11.65, 19.1, 57, 740, 00 , 09:45:03, 23-Aug-2018
8, 9.27, 21.8, 52, 740, 00 , 10:00:03, 23-Aug-2018
9, 9.26, 23.3, 49, 740, 00 , 10:15:03, 23-Aug-2018
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13, 11.69, 25.1, 44, 740, 00 , 11:15:03, 23-Aug-2018
14, 18.11, 25.6, 41, 740, 00 , 11:30:03, 23-Aug-2018
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18, 14.43, 27.7, 36, 740, 00 , 12:30:03, 23-Aug-2018
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22, 14.34, 28.2, 34, 740, 00 , 13:30:03, 23-Aug-2018
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26, 9.23, 29.4, 32, 740, 00 , 14:30:03, 23-Aug-2018
27, 10.66, 29.2, 30, 740, 00 , 14:45:03, 23-Aug-2018
28, 10.07, 29.0, 30, 740, 00 , 15:00:03, 23-Aug-2018
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30, 12.60, 29.6, 29, 740, 00 , 15:30:03, 23-Aug-2018
31, 13.96, 30.0, 28, 740, 00 , 15:45:03, 23-Aug-2018
32, 22.38, 30.7, 27, 740, 00 , 16:00:03, 23-Aug-2018
33, 15.71, 30.9, 27, 740, 00 , 16:15:03, 23-Aug-2018
34, 16.21, 31.4, 27, 738, 00 , 16:30:03, 23-Aug-2018
35, 11.76, 31.3, 26, 740, 00 , 16:45:03, 23-Aug-2018
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38, 16.70, 31.4, 26, 740, 00 , 17:30:03, 23-Aug-2018
39, 22.81, 31.2, 26, 740, 00 , 17:45:03, 23-Aug-2018
40, 20.60, 30.7, 26, 740, 00 , 18:00:03, 23-Aug-2018

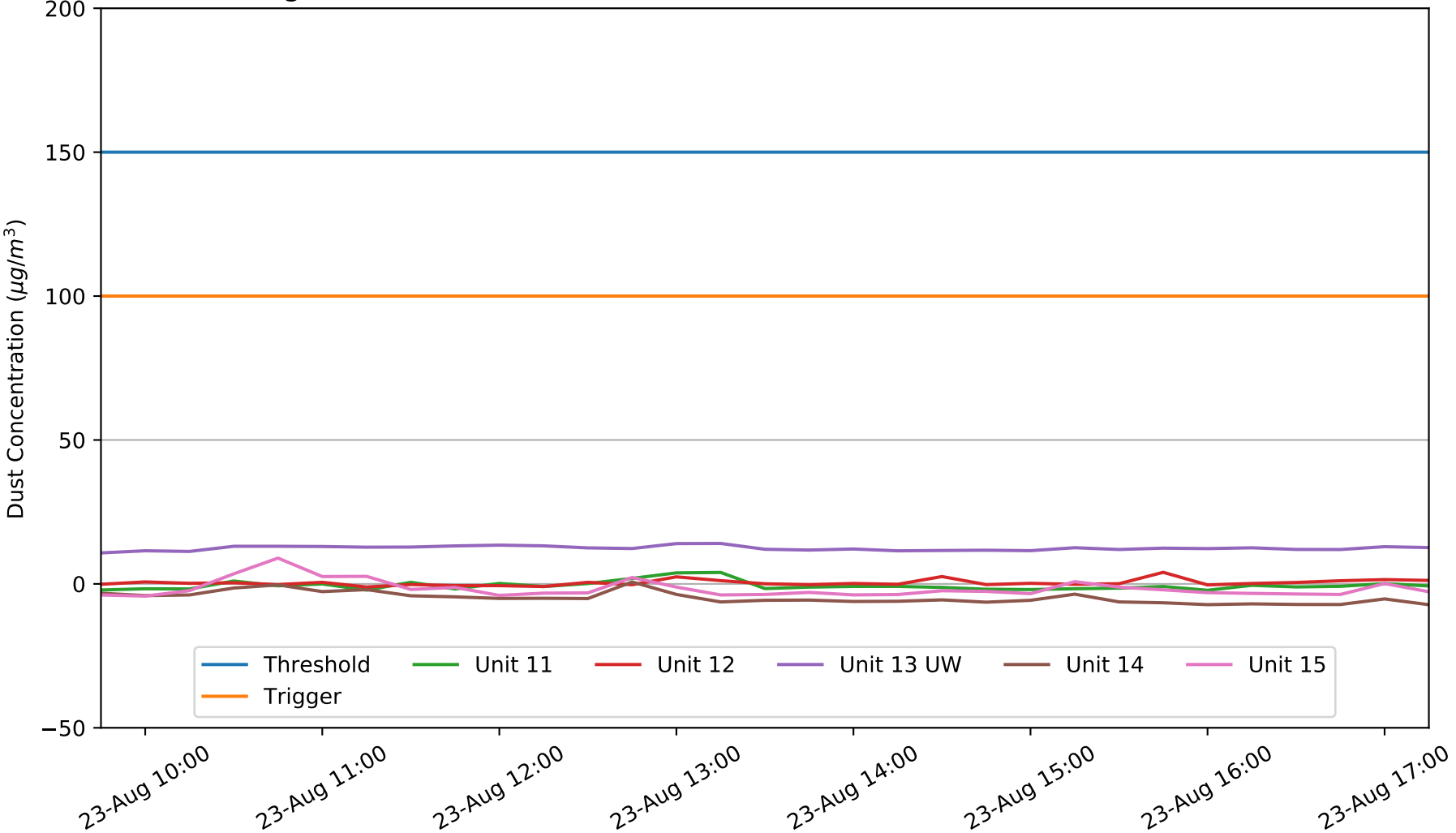
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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 08:05:17 23-Aug-2018
"Max STEL ", 118.465352
"Max STEL @ ", 08:15:03 23-Aug-2018
"Avg point ", 14.449003
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 118.47, 17.8, 60, 740, 01 , 08:15:03, 23-Aug-2018
2, 10.26, 18.6, 60, 740, 00 , 08:30:03, 23-Aug-2018
3, 9.43, 17.9, 63, 740, 00 , 08:45:03, 23-Aug-2018
4, 8.78, 18.0, 63, 740, 00 , 09:00:03, 23-Aug-2018
5, 10.66, 20.8, 57, 740, 00 , 09:15:03, 23-Aug-2018
6, 19.37, 24.1, 49, 740, 00 , 09:30:03, 23-Aug-2018
7, 10.44, 26.4, 42, 740, 00 , 09:45:03, 23-Aug-2018
8, 10.15, 27.9, 38, 740, 00 , 10:00:03, 23-Aug-2018
9, 10.53, 28.9, 36, 740, 00 , 10:15:03, 23-Aug-2018
10, 11.35, 29.2, 35, 740, 00 , 10:30:03, 23-Aug-2018
11, 12.82, 29.2, 34, 740, 00 , 10:45:03, 23-Aug-2018
12, 12.37, 29.3, 34, 740, 00 , 11:00:03, 23-Aug-2018
13, 12.87, 29.4, 34, 740, 00 , 11:15:03, 23-Aug-2018
14, 18.56, 29.7, 33, 740, 00 , 11:30:03, 23-Aug-2018
15, 11.19, 30.5, 32, 740, 00 , 11:45:03, 23-Aug-2018
16, 11.88, 30.9, 30, 740, 00 , 12:00:03, 23-Aug-2018
17, 13.87, 30.6, 31, 740, 00 , 12:15:03, 23-Aug-2018
18, 12.86, 30.0, 30, 740, 00 , 12:30:03, 23-Aug-2018
19, 11.55, 29.0, 33, 740, 00 , 12:45:03, 23-Aug-2018
20, 12.06, 28.3, 32, 738, 00 , 13:00:03, 23-Aug-2018
21, 11.25, 28.5, 31, 738, 00 , 13:15:03, 23-Aug-2018
22, 11.76, 29.0, 32, 738, 00 , 13:30:03, 23-Aug-2018
23, 11.72, 29.5, 30, 738, 00 , 13:45:03, 23-Aug-2018
24, 10.35, 29.3, 30, 738, 00 , 14:00:03, 23-Aug-2018
25, 10.49, 29.1, 31, 738, 00 , 14:15:03, 23-Aug-2018
26, 10.12, 28.1, 32, 738, 00 , 14:30:03, 23-Aug-2018
27, 10.54, 27.2, 31, 738, 00 , 14:45:03, 23-Aug-2018
28, 11.36, 26.6, 32, 738, 00 , 15:00:03, 23-Aug-2018
29, 10.14, 26.3, 32, 738, 00 , 15:15:03, 23-Aug-2018
30, 10.74, 26.2, 33, 738, 00 , 15:30:03, 23-Aug-2018
31, 11.24, 26.1, 34, 738, 00 , 15:45:03, 23-Aug-2018
32, 10.79, 26.0, 34, 738, 00 , 16:00:03, 23-Aug-2018
33, 11.00, 25.9, 35, 738, 00 , 16:15:03, 23-Aug-2018
34, 12.67, 25.9, 36, 738, 00 , 16:30:03, 23-Aug-2018
35, 11.73, 25.9, 34, 738, 00 , 16:45:03, 23-Aug-2018
36, 11.45, 25.8, 34, 738, 00 , 17:00:03, 23-Aug-2018
37, 11.97, 25.8, 34, 738, 00 , 17:15:03, 23-Aug-2018
38, 12.37, 25.6, 34, 738, 00 , 17:30:03, 23-Aug-2018
39, 12.57, 25.4, 34, 738, 00 , 17:45:03, 23-Aug-2018
40, 14.24, 25.1, 35, 738, 00 , 18:00:03, 23-Aug-2018

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"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 384.332323
"Max Disp @ ", 15:43:45 23-Aug-2018
"Max STEL ", 56.826053
"Max STEL @ ", 16:37:13 23-Aug-2018
"Avg point ", 24.436526
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 39.98, 14.1, 56, 740, 01 , 08:15:03, 23-Aug-2018
2, 20.29, 13.2, 60, 740, 00 , 08:30:03, 23-Aug-2018
3, 12.06, 12.9, 63, 740, 00 , 08:45:03, 23-Aug-2018
4, 17.51, 12.9, 63, 740, 00 , 09:00:03, 23-Aug-2018
5, 23.48, 13.2, 65, 740, 00 , 09:15:03, 23-Aug-2018
6, 11.24, 13.7, 65, 740, 00 , 09:30:03, 23-Aug-2018
7, 10.33, 14.3, 64, 740, 00 , 09:45:03, 23-Aug-2018
8, 11.68, 15.0, 63, 740, 00 , 10:00:03, 23-Aug-2018
9, 13.83, 15.9, 60, 740, 00 , 10:15:03, 23-Aug-2018
10, 16.52, 16.9, 56, 740, 00 , 10:30:03, 23-Aug-2018
11, 21.91, 18.0, 51, 740, 00 , 10:45:03, 23-Aug-2018
12, 16.85, 19.5, 48, 740, 00 , 11:00:03, 23-Aug-2018
13, 21.62, 21.3, 43, 740, 00 , 11:15:03, 23-Aug-2018
14, 39.42, 22.7, 40, 740, 00 , 11:30:03, 23-Aug-2018
15, 20.12, 23.8, 35, 740, 00 , 11:45:03, 23-Aug-2018
16, 31.73, 24.8, 33, 740, 00 , 12:00:03, 23-Aug-2018
17, 21.20, 25.4, 31, 740, 00 , 12:15:03, 23-Aug-2018
18, 23.89, 25.6, 28, 740, 00 , 12:30:03, 23-Aug-2018
19, 19.16, 25.6, 30, 740, 00 , 12:45:03, 23-Aug-2018
20, 29.69, 26.1, 28, 740, 00 , 13:00:03, 23-Aug-2018
21, 26.95, 26.9, 26, 740, 00 , 13:15:03, 23-Aug-2018
22, 19.83, 27.9, 24, 740, 00 , 13:30:03, 23-Aug-2018
23, 19.59, 28.9, 23, 740, 00 , 13:45:03, 23-Aug-2018
24, 21.05, 29.5, 21, 740, 00 , 14:00:03, 23-Aug-2018
25, 22.45, 29.9, 20, 740, 00 , 14:15:03, 23-Aug-2018
26, 23.27, 30.8, 20, 740, 00 , 14:30:03, 23-Aug-2018
27, 23.65, 31.3, 16, 740, 00 , 14:45:03, 23-Aug-2018
28, 23.71, 31.4, 17, 740, 00 , 15:00:03, 23-Aug-2018
29, 21.92, 32.2, 16, 740, 00 , 15:15:03, 23-Aug-2018
30, 25.58, 33.1, 15, 740, 00 , 15:30:03, 23-Aug-2018
31, 47.09, 33.3, 15, 740, 00 , 15:45:03, 23-Aug-2018
32, 25.27, 34.4, 12, 740, 00 , 16:00:03, 23-Aug-2018
33, 27.12, 35.1, 11, 740, 00 , 16:15:03, 23-Aug-2018
34, 33.30, 35.9, 11, 740, 00 , 16:30:03, 23-Aug-2018
35, 49.80, 36.0, 9, 740, 00 , 16:45:03, 23-Aug-2018
36, 29.05, 36.4, 10, 740, 00 , 17:00:03, 23-Aug-2018
37, 31.71, 36.5, 10, 740, 00 , 17:15:03, 23-Aug-2018
38, 27.14, 37.2, 9, 740, 00 , 17:30:03, 23-Aug-2018
39, 28.06, 37.0, 8, 740, 00 , 17:45:03, 23-Aug-2018
40, 28.42, 36.6, 8, 740, 00 , 18:00:03, 23-Aug-2018

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"Unit ", 0
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"RH CORRECT ", "ENABLED "
"Max Disp ", 530.669641
"Max Disp @ ", 09:05:18 23-Aug-2018
"Max STEL ", 199.506264
"Max STEL @ ", 09:19:23 23-Aug-2018
"Avg point ", 21.119742
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 49.72, 16.7, 65, 740, 01 , 08:15:03, 23-Aug-2018
2, 17.10, 16.6, 68, 740, 00 , 08:30:03, 23-Aug-2018
3, 21.54, 17.3, 67, 740, 00 , 08:45:03, 23-Aug-2018
4, 77.41, 18.8, 63, 740, 00 , 09:00:03, 23-Aug-2018
5, 168.61, 20.2, 59, 740, 00 , 09:15:03, 23-Aug-2018
6, 81.93, 21.4, 56, 740, 00 , 09:30:03, 23-Aug-2018
7, 13.34, 22.8, 53, 740, 00 , 09:45:03, 23-Aug-2018
8, 12.77, 23.9, 49, 740, 00 , 10:00:03, 23-Aug-2018
9, 11.78, 24.8, 47, 740, 00 , 10:15:03, 23-Aug-2018
10, 14.03, 25.8, 45, 740, 00 , 10:30:03, 23-Aug-2018
11, 14.82, 26.6, 42, 740, 00 , 10:45:03, 23-Aug-2018
12, 13.62, 27.7, 40, 740, 00 , 11:00:03, 23-Aug-2018
13, 13.26, 28.8, 37, 740, 00 , 11:15:03, 23-Aug-2018
14, 16.92, 29.7, 35, 740, 00 , 11:30:03, 23-Aug-2018
15, 11.54, 30.6, 33, 740, 00 , 11:45:03, 23-Aug-2018
16, 12.14, 31.4, 31, 740, 00 , 12:00:03, 23-Aug-2018
17, 14.14, 31.9, 30, 740, 00 , 12:15:03, 23-Aug-2018
18, 13.26, 32.0, 29, 740, 00 , 12:30:03, 23-Aug-2018
19, 12.07, 31.5, 31, 740, 00 , 12:45:03, 23-Aug-2018
20, 15.21, 31.6, 30, 740, 00 , 13:00:03, 23-Aug-2018
21, 22.84, 32.6, 28, 740, 00 , 13:15:03, 23-Aug-2018
22, 10.59, 34.0, 26, 740, 00 , 13:30:03, 23-Aug-2018
23, 10.99, 35.2, 24, 740, 00 , 13:45:03, 23-Aug-2018
24, 10.09, 35.4, 24, 740, 00 , 14:00:03, 23-Aug-2018
25, 10.44, 35.7, 24, 740, 00 , 14:15:03, 23-Aug-2018
26, 10.12, 36.3, 23, 740, 00 , 14:30:03, 23-Aug-2018
27, 9.82, 36.5, 21, 740, 00 , 14:45:03, 23-Aug-2018
28, 10.67, 36.2, 22, 740, 00 , 15:00:03, 23-Aug-2018
29, 9.56, 36.5, 21, 740, 00 , 15:15:03, 23-Aug-2018
30, 10.19, 36.9, 21, 740, 00 , 15:30:03, 23-Aug-2018
31, 10.04, 36.7, 21, 740, 00 , 15:45:03, 23-Aug-2018
32, 10.04, 37.4, 20, 740, 00 , 16:00:03, 23-Aug-2018
33, 10.60, 37.8, 20, 740, 00 , 16:15:03, 23-Aug-2018
34, 14.53, 38.2, 20, 740, 00 , 16:30:03, 23-Aug-2018
35, 12.94, 38.5, 19, 740, 00 , 16:45:03, 23-Aug-2018
36, 13.51, 38.4, 19, 740, 00 , 17:00:03, 23-Aug-2018
37, 11.49, 38.1, 19, 740, 00 , 17:15:03, 23-Aug-2018
38, 13.19, 38.3, 19, 740, 00 , 17:30:03, 23-Aug-2018
39, 13.19, 37.9, 19, 740, 00 , 17:45:03, 23-Aug-2018
40, 14.74, 36.8, 20, 740, 00 , 18:00:03, 23-Aug-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 23-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 23-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 15	Unit 12	Unit 14	Unit 13 UW	Unit 11	Threshold	Trigger
2018-08-23 09:45:00	-3.85	-0.13	-3.24	10.77	-2.12	150	100
2018-08-23 10:00:00	-4.24	0.69	-4.07	11.51	-1.69	150	100
2018-08-23 10:15:00	-2.35	0.2	-3.84	11.28	-1.76	150	100
2018-08-23 10:30:00	3.5	0.38	-1.43	13.07	1	150	100
2018-08-23 10:45:00	8.96	-0.23	-0.35	13.07	-0.67	150	100
2018-08-23 11:00:00	2.56	0.55	-2.68	12.99	-0.03	150	100
2018-08-23 11:15:00	2.62	-1.08	-1.99	12.76	-2.15	150	100
2018-08-23 11:30:00	-1.93	-0.22	-4.13	12.8	0.56	150	100
2018-08-23 11:45:00	-1.22	-0.6	-4.5	13.2	-1.77	150	100
2018-08-23 12:00:00	-4	-0.61	-5.05	13.46	0.16	150	100
2018-08-23 12:15:00	-3.21	-0.92	-5	13.22	-0.93	150	100
2018-08-23 12:30:00	-3.12	0.55	-5.09	12.51	0.12	150	100
2018-08-23 12:45:00	2.22	-0.28	0.67	12.29	1.91	150	100
2018-08-23 13:00:00	-1.1	2.45	-3.66	14	3.83	150	100
2018-08-23 13:15:00	-3.84	1.13	-6.27	14.05	3.98	150	100
2018-08-23 13:30:00	-3.67	0.04	-5.7	12.03	-1.62	150	100
2018-08-23 13:45:00	-2.96	-0.26	-5.63	11.76	-1.12	150	100
2018-08-23 14:00:00	-3.82	0.15	-6.11	12.12	-0.88	150	100
2018-08-23 14:15:00	-3.7	-0.14	-6.04	11.49	-0.87	150	100
2018-08-23 14:30:00	-2.38	2.55	-5.56	11.61	-1.22	150	100
2018-08-23 14:45:00	-2.61	-0.25	-6.35	11.7	-1.86	150	100
2018-08-23 15:00:00	-3.39	0.2	-5.7	11.54	-1.96	150	100
2018-08-23 15:15:00	0.78	-0.13	-3.57	12.57	-1.68	150	100
2018-08-23 15:30:00	-1.12	0.06	-6.26	11.95	-1.48	150	100
2018-08-23 15:45:00	-2.06	4.02	-6.56	12.42	-0.9	150	100
2018-08-23 16:00:00	-3.04	-0.35	-7.21	12.26	-2.22	150	100
2018-08-23 16:15:00	-3.3	0.15	-6.94	12.54	-0.49	150	100
2018-08-23 16:30:00	-3.51	0.5	-7.14	11.97	-1.05	150	100
2018-08-23 16:45:00	-3.67	1.09	-7.16	11.94	-0.84	150	100
2018-08-23 17:00:00	0.13	1.49	-5.22	12.93	0.09	150	100
2018-08-23 17:15:00	-2.74	1.21	-7.23	12.62	-0.71	150	100

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"Log Period ", 00:15:00
"Number   ", 31
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"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 80.878067
"Max Disp @ ", 12:44:26 23-Aug-2018
"Max STEL   ", 23.812611
"Max STEL @ ", 10:49:53 23-Aug-2018
"Avg point ", 10.785350
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 6.92, 16.7, 60, 740, 00 , 09:45:03, 23-Aug-2018
2, 7.27, 16.9, 60, 740, 00 , 10:00:03, 23-Aug-2018
3, 8.93, 17.4, 60, 740, 00 , 10:15:03, 23-Aug-2018
4, 16.57, 18.2, 58, 740, 00 , 10:30:03, 23-Aug-2018
5, 22.03, 18.6, 55, 740, 00 , 10:45:03, 23-Aug-2018
6, 15.55, 19.0, 54, 740, 00 , 11:00:03, 23-Aug-2018
7, 15.38, 19.7, 52, 742, 00 , 11:15:03, 23-Aug-2018
8, 10.87, 20.3, 51, 742, 00 , 11:30:03, 23-Aug-2018
9, 11.98, 20.9, 48, 740, 00 , 11:45:03, 23-Aug-2018
10, 9.46, 21.8, 45, 740, 00 , 12:00:03, 23-Aug-2018
11, 10.01, 22.7, 42, 740, 00 , 12:15:03, 23-Aug-2018
12, 9.39, 23.2, 40, 740, 00 , 12:30:03, 23-Aug-2018
13, 14.51, 23.5, 39, 740, 00 , 12:45:03, 23-Aug-2018
14, 12.90, 24.0, 36, 740, 00 , 13:00:03, 23-Aug-2018
15, 10.21, 25.8, 31, 740, 00 , 13:15:03, 23-Aug-2018
16, 8.36, 26.5, 32, 740, 00 , 13:30:03, 23-Aug-2018
17, 8.80, 27.1, 30, 740, 00 , 13:45:03, 23-Aug-2018
18, 8.30, 27.7, 28, 740, 00 , 14:00:03, 23-Aug-2018
19, 7.79, 28.3, 29, 740, 00 , 14:15:03, 23-Aug-2018
20, 9.23, 29.3, 25, 740, 00 , 14:30:03, 23-Aug-2018
21, 9.09, 29.3, 24, 740, 00 , 14:45:03, 23-Aug-2018
22, 8.15, 28.8, 24, 740, 00 , 15:00:03, 23-Aug-2018
23, 13.35, 29.1, 24, 740, 00 , 15:15:03, 23-Aug-2018
24, 10.83, 30.7, 22, 740, 00 , 15:30:03, 23-Aug-2018
25, 10.36, 31.3, 21, 740, 00 , 15:45:03, 23-Aug-2018
26, 9.22, 31.6, 20, 740, 00 , 16:00:03, 23-Aug-2018
27, 9.24, 31.7, 19, 740, 00 , 16:15:03, 23-Aug-2018
28, 8.46, 32.0, 19, 740, 00 , 16:30:03, 23-Aug-2018
29, 8.27, 31.6, 19, 740, 00 , 16:45:03, 23-Aug-2018
30, 13.06, 31.8, 19, 740, 00 , 17:00:03, 23-Aug-2018
31, 9.88, 32.0, 19, 740, 00 , 17:15:03, 23-Aug-2018

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"Serial no. ", "CM15111014"
"Tag Number ", 5
"Start Time ", 09:30:03
"Start Date ", 23-Aug-2018
"Log Period ", 00:15:00
"Number   ", 31
"CalFactor   ", 1.000000
"Unit   ", 0
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"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 72.102485
"Max Disp @ ", 15:35:59 23-Aug-2018
"Max STEL   ", 18.449266
"Max STEL @ ", 13:06:53 23-Aug-2018
"Avg point ", 12.794909
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 10.64, 19.7, 58, 740, 00 , 09:45:03, 23-Aug-2018
2, 12.20, 24.0, 47, 742, 00 , 10:00:03, 23-Aug-2018
3, 11.48, 26.6, 41, 742, 00 , 10:15:03, 23-Aug-2018
4, 13.45, 28.5, 37, 742, 00 , 10:30:03, 23-Aug-2018
5, 12.84, 28.7, 36, 742, 00 , 10:45:03, 23-Aug-2018
6, 13.54, 28.9, 36, 742, 00 , 11:00:03, 23-Aug-2018
7, 11.68, 29.5, 34, 742, 00 , 11:15:03, 23-Aug-2018
8, 12.58, 30.2, 33, 742, 00 , 11:30:03, 23-Aug-2018
9, 12.60, 30.9, 31, 742, 00 , 11:45:03, 23-Aug-2018
10, 12.85, 31.6, 30, 742, 00 , 12:00:03, 23-Aug-2018
11, 12.30, 31.9, 29, 742, 00 , 12:15:03, 23-Aug-2018
12, 13.06, 31.6, 28, 742, 00 , 12:30:03, 23-Aug-2018
13, 12.01, 30.2, 30, 740, 00 , 12:45:03, 23-Aug-2018
14, 16.45, 29.2, 31, 740, 00 , 13:00:03, 23-Aug-2018
15, 15.18, 28.7, 32, 740, 00 , 13:15:03, 23-Aug-2018
16, 12.07, 28.6, 32, 740, 00 , 13:30:03, 23-Aug-2018
17, 11.50, 29.3, 32, 740, 00 , 13:45:03, 23-Aug-2018
18, 12.27, 29.2, 31, 740, 00 , 14:00:03, 23-Aug-2018
19, 11.35, 29.1, 32, 740, 00 , 14:15:03, 23-Aug-2018
20, 14.16, 29.0, 32, 740, 00 , 14:30:03, 23-Aug-2018
21, 11.45, 28.1, 32, 740, 00 , 14:45:03, 23-Aug-2018
22, 11.74, 27.6, 32, 740, 00 , 15:00:03, 23-Aug-2018
23, 12.44, 27.3, 32, 740, 00 , 15:15:03, 23-Aug-2018
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20, 10.39, 29.7, 30, 738, 00 , 14:30:03, 23-Aug-2018
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28, 10.92, 30.2, 27, 738, 00 , 16:30:03, 23-Aug-2018
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DAILY OBSERVATION REPORT

Report No.:	76	Project File:	MN0832D	Date:	08/24/2018

Geosyntec consultants

engineers | scientists | innovators

Beech and Bonaparte engineering p.c.

an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Jim Burnett

Site Representative: Ashwin Ranna

Arrive at Site: 0645hrs. Leave Site: 1800 hrs.

Contractor: Recon

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Sunny and Clear	am	Sunny and Clear	Pm
Temperature:	51° F	am	81° F	Pm
Wind Direction:	Calm	am	Calm	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☒	No ☐	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 76 Project File: MN0832D Date: 08/24/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 16 Total Loads to date: 467

Weight: ~20 tons/each Total Weight to date: ~11120 Tons

Non Haz Soil Removal:

Total Loads today: 0 Total Loads to date: 256

Weight: 20-33 tons/each Total Weight to date: ~6019 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: Tons Total Weight to date: 175 Tons

Imported Common Fill:

Total Loads today: 89 Total Loads to date: ~1406

Weight: ~21 Tons/each Total Weight to date: ~20,041 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	76	Project File:	MN0832D	Date:	08/24/2018

Summary of Events

AM

- Geosyntec arrived on site at 0645. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed work plan for the day.
- Geosyntec calibrated and deployed dust monitors.
- Recon continued backfilling the excavation and removed the sheet piling around the former TSCA loading area. All sheet piling was removed by the end of the day.
- Recon began cleanup of the area behind the K wing.
- Heidi Dudek of NYSDEC was on site at 1230. She inspected the site from the roof of the school but did not enter the exclusion zone.
- School contractor began asphalt milling in the morning and completed milling asphalt to the west of site.

PM

- Scott Williams of NYSDEC onsite at 1300. Geosyntec collected additional samples from Brewers Pit Quarry for Item 4 material.
- Recon loaded 16 TSCA trucks. Trucks were stationed over crane mats and on poly while being loaded.
- 2 trucks took approximately 11,000 gallons of water from the Frac tanks offsite.
- Backfilling efforts with imported fill material continued throughout the afternoon. ATL continued density tests as backfilling progressed.
- Removed sheet piles were stored in the MSA on top of Poly to be deconned prior to shipping off site
- No non-hazardous material was loaded for offsite shipment from the MSA.
- Recon covered piles in the RPL at the end of the day. Geosyntec collected dust monitors and analyzed the data.
- Samples were shipped. Geosyntec shut down and left site around 1845.

Report No.: 76 Project File: MN0832D Date: 08/24/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Bill Abraczisnkas
- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Rich Tonnucour
- (Recon labor) X16

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- CAT 725 Haul truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Tim Cleary	Atlantic Testing	Yes
Scott Williams	DEC	Yes
Heidi Dudek	DEC	No

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date (RPL Turnover to ECSD): 8/28/18
Completion Date (MSA Turnover to STCC): TBD

ITEMS OF CONCERN:

A dust monitor along the western edge of the site had readings above trigger levels (100ug/m3). Dust control measures were implemented, and water was sprayed mitigating the problem.

DAILY OBSERVATION REPORT

Report No.:	76	Project File:	MN0832D	Date:	08/24/2018

Site Representative: Ashwin Ranna

Name (Signature):



Report No.:	76	Project File:	MN0832D	Date:	08/24/2018

Photo Log
Date : 08/24/2018

	
Removal of Sheet piles	Scoring backfill prior to compaction
	
Compacting Item 4 material	Dust control through spraying water

DAILY OBSERVATION REPORT

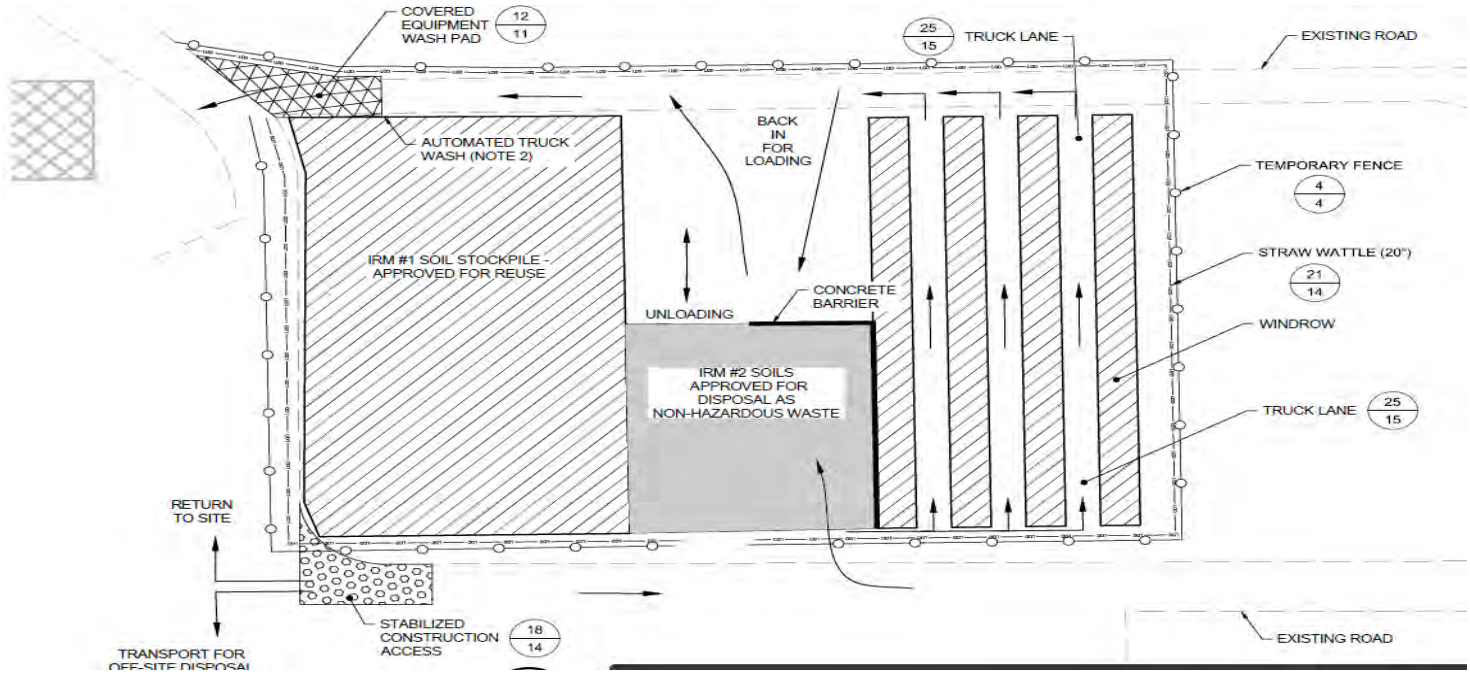
Report No.:	76	Project File:	MN0832D	Date:	08/24/2018

Site Map

Rear Parking Lot

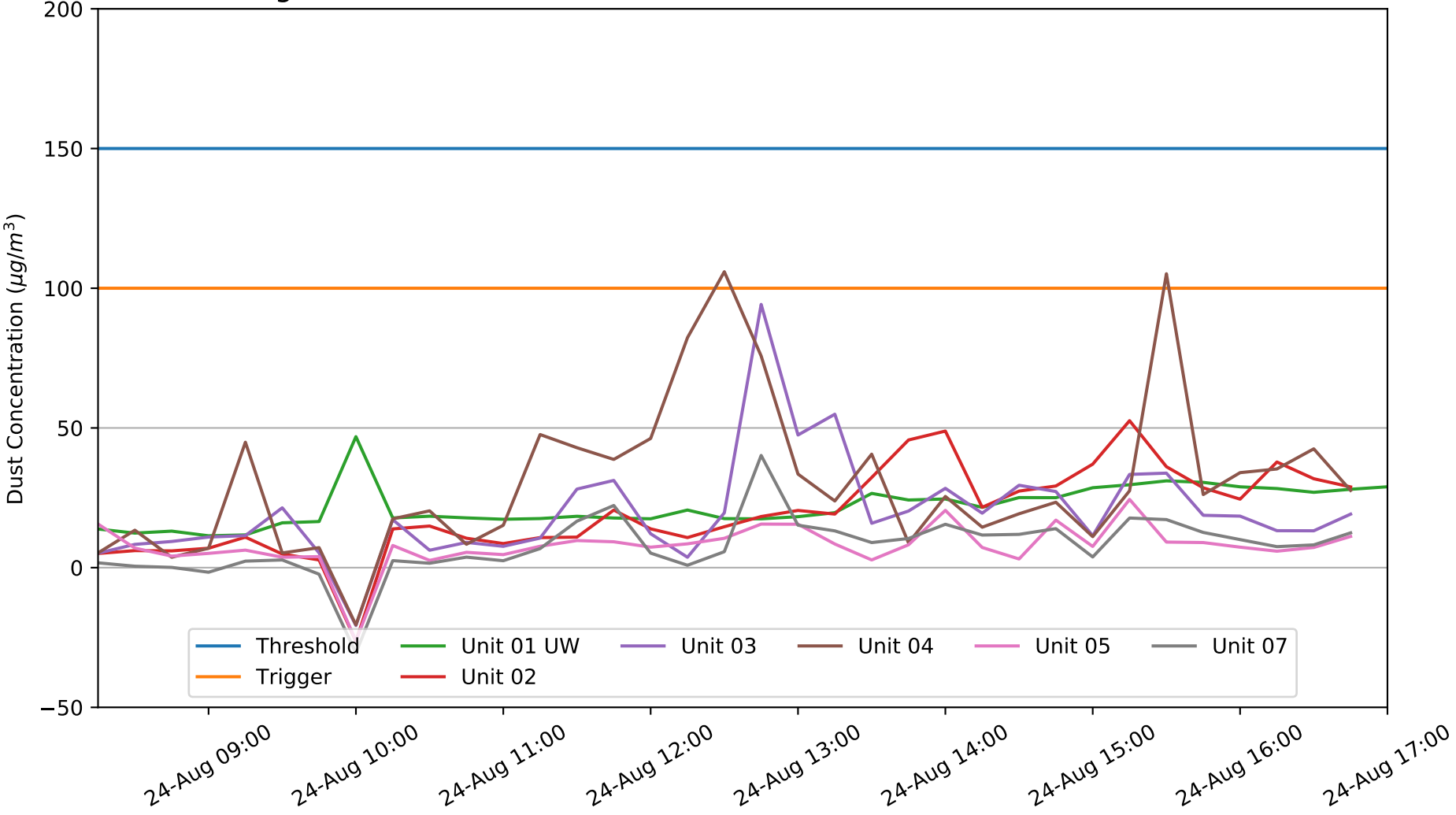


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 24-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 24-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 04	Unit 01 UW	Unit 02	Unit 07	Unit 03	Unit 05	Threshold	Trigger
2018-08-24 08:15:00	5.27	13.83	5.07	1.73	5.18	15.6	150	100
2018-08-24 08:30:00	13.4	12.36	6.1	0.51	8.33	6.99	150	100
2018-08-24 08:45:00	3.72	13.07	6	0.09	9.37	4.13	150	100
2018-08-24 09:00:00	6.94	11.4	6.95	-1.64	10.95	5.11	150	100
2018-08-24 09:15:00	44.89	11.72	10.91	2.33	11.47	6.27	150	100
2018-08-24 09:30:00	5.26	16.04	4.87	2.75	21.42	3.73	150	100
2018-08-24 09:45:00	7.16	16.5	2.76	-2.34	5.26	3.95	150	100
2018-08-24 10:00:00	-20.51	46.88	-26.35	-30.53	-20.7	-26.21	150	100
2018-08-24 10:15:00	17.47	17.78	13.86	2.51	17.17	7.94	150	100
2018-08-24 10:30:00	20.33	18.41	14.89	1.58	6.23	2.59	150	100
2018-08-24 10:45:00	8.37	17.81	10.53	3.76	9.03	5.48	150	100
2018-08-24 11:00:00	15.16	17.32	8.62	2.48	7.63	4.66	150	100
2018-08-24 11:15:00	47.64	17.57	10.76	6.82	10.58	7.65	150	100
2018-08-24 11:30:00	42.92	18.38	10.92	16.63	28.12	9.7	150	100
2018-08-24 11:45:00	38.73	17.76	20.61	22.25	31.22	9.26	150	100
2018-08-24 12:00:00	46.23	17.49	13.88	5.2	12.13	7.33	150	100
2018-08-24 12:15:00	82.31	20.62	10.76	0.85	3.72	8.52	150	100
2018-08-24 12:30:00	105.91	17.55	14.64	5.71	19.61	10.5	150	100
2018-08-24 12:45:00	75.74	17.47	18.29	40.16	94.21	15.59	150	100
2018-08-24 13:00:00	33.48	18.24	20.47	15.19	47.47	15.54	150	100
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2018-08-24 13:30:00	40.62	26.58	32.27	8.98	15.88	2.76	150	100
2018-08-24 13:45:00	8.83	24.21	45.69	10.43	20.26	8.18	150	100
2018-08-24 14:00:00	25.49	24.57	48.88	15.52	28.39	20.51	150	100
2018-08-24 14:15:00	14.47	21.58	21.6	11.67	19.49	7.22	150	100
2018-08-24 14:30:00	19.28	25.08	27.4	11.91	29.49	3.1	150	100
2018-08-24 14:45:00	23.41	25.04	29.22	13.96	27.24	17.01	150	100
2018-08-24 15:00:00	11.09	28.6	37.04	3.82	11.42	7.58	150	100
2018-08-24 15:15:00	27.51	29.66	52.6	17.76	33.37	24.43	150	100
2018-08-24 15:30:00	105.18	31.06	36.13	17.2	33.82	9.15	150	100
2018-08-24 15:45:00	26.16	30.52	28.56	12.6	18.73	8.98	150	100
2018-08-24 16:00:00	34	28.93	24.51	10.04	18.44	7.33	150	100
2018-08-24 16:15:00	35.32	28.31	37.81	7.51	13.23	5.89	150	100
2018-08-24 16:30:00	42.52	26.96	31.82	8.15	13.19	7.22	150	100
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4, 18.34, 16.6, 74, 744, 00 , 09:00:03, 24-Aug-2018
5, 56.61, 18.2, 68, 744, 00 , 09:15:03, 24-Aug-2018
6, 21.30, 19.7, 63, 744, 00 , 09:30:03, 24-Aug-2018
7, 23.66, 21.2, 59, 744, 00 , 09:45:03, 24-Aug-2018
8, 26.37, 22.7, 54, 744, 00 , 10:00:03, 24-Aug-2018
9, 35.25, 24.3, 51, 744, 00 , 10:15:03, 24-Aug-2018
10, 38.74, 25.7, 46, 744, 00 , 10:30:03, 24-Aug-2018
11, 26.18, 27.2, 41, 744, 00 , 10:45:03, 24-Aug-2018
12, 32.48, 28.4, 40, 744, 00 , 11:00:03, 24-Aug-2018
13, 65.21, 29.8, 38, 744, 01 , 11:15:03, 24-Aug-2018
14, 61.30, 31.0, 35, 744, 01 , 11:30:03, 24-Aug-2018
15, 56.49, 32.1, 33, 744, 00 , 11:45:03, 24-Aug-2018
16, 63.72, 33.1, 32, 744, 00 , 12:00:03, 24-Aug-2018
17, 102.93, 34.1, 30, 744, 01 , 12:15:03, 24-Aug-2018
18, 123.46, 34.9, 31, 744, 00 , 12:30:03, 24-Aug-2018
19, 93.21, 35.8, 29, 744, 01 , 12:45:03, 24-Aug-2018
20, 51.72, 36.5, 28, 744, 00 , 13:00:03, 24-Aug-2018
21, 43.52, 37.2, 26, 744, 00 , 13:15:03, 24-Aug-2018
22, 67.20, 37.7, 22, 744, 01 , 13:30:03, 24-Aug-2018
23, 33.04, 38.5, 20, 744, 00 , 13:45:03, 24-Aug-2018
24, 50.06, 39.1, 22, 744, 00 , 14:00:03, 24-Aug-2018
25, 36.05, 40.4, 21, 744, 00 , 14:15:03, 24-Aug-2018
26, 44.36, 40.8, 20, 744, 00 , 14:30:03, 24-Aug-2018
27, 48.45, 40.7, 19, 744, 02 , 14:45:03, 24-Aug-2018
28, 39.69, 40.4, 18, 744, 00 , 15:00:03, 24-Aug-2018
29, 57.17, 40.2, 18, 744, 00 , 15:15:03, 24-Aug-2018
30, 136.24, 39.1, 20, 744, 00 , 15:30:03, 24-Aug-2018
31, 56.68, 38.6, 21, 744, 00 , 15:45:03, 24-Aug-2018
32, 62.93, 38.3, 22, 744, 00 , 16:00:03, 24-Aug-2018
33, 63.63, 38.1, 21, 744, 00 , 16:15:03, 24-Aug-2018
34, 69.48, 37.5, 23, 744, 00 , 16:30:03, 24-Aug-2018
35, 55.69, 37.3, 22, 744, 00 , 16:45:03, 24-Aug-2018

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"Max Disp @ ", 09:54:48 24-Aug-2018
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"Max STEL @ ", 10:02:33 24-Aug-2018
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"FlowRate   ", 1.200000
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1, 13.83, 13.3, 73, 746, 01 , 08:15:03, 24-Aug-2018
2, 12.36, 12.8, 77, 746, 00 , 08:30:03, 24-Aug-2018
3, 13.07, 12.7, 79, 746, 00 , 08:45:03, 24-Aug-2018
4, 11.40, 12.9, 80, 746, 00 , 09:00:03, 24-Aug-2018
5, 11.72, 13.3, 80, 746, 00 , 09:15:03, 24-Aug-2018
6, 16.04, 14.3, 76, 746, 00 , 09:30:03, 24-Aug-2018
7, 16.50, 17.6, 60, 746, 00 , 09:45:03, 24-Aug-2018
8, 46.88, 20.7, 54, 746, 01 , 10:00:03, 24-Aug-2018
9, 17.78, 23.2, 49, 744, 00 , 10:15:03, 24-Aug-2018
10, 18.41, 25.1, 43, 746, 00 , 10:30:03, 24-Aug-2018
11, 17.81, 26.8, 40, 746, 00 , 10:45:03, 24-Aug-2018
12, 17.32, 28.3, 38, 744, 00 , 11:00:03, 24-Aug-2018
13, 17.57, 29.6, 36, 744, 00 , 11:15:03, 24-Aug-2018
14, 18.38, 30.8, 33, 744, 00 , 11:30:03, 24-Aug-2018
15, 17.76, 32.1, 31, 744, 00 , 11:45:03, 24-Aug-2018
16, 17.49, 33.0, 29, 744, 00 , 12:00:03, 24-Aug-2018
17, 20.62, 33.4, 29, 744, 00 , 12:15:03, 24-Aug-2018
18, 17.55, 33.5, 29, 744, 00 , 12:30:03, 24-Aug-2018
19, 17.47, 33.7, 30, 744, 00 , 12:45:03, 24-Aug-2018
20, 18.24, 33.9, 28, 744, 00 , 13:00:03, 24-Aug-2018
21, 19.67, 34.2, 25, 744, 00 , 13:15:03, 24-Aug-2018
22, 26.58, 34.1, 22, 744, 00 , 13:30:03, 24-Aug-2018
23, 24.21, 34.6, 21, 744, 00 , 13:45:03, 24-Aug-2018
24, 24.57, 34.8, 24, 744, 00 , 14:00:03, 24-Aug-2018
25, 21.58, 35.6, 24, 744, 00 , 14:15:03, 24-Aug-2018
26, 25.08, 36.0, 22, 744, 00 , 14:30:03, 24-Aug-2018
27, 25.04, 35.9, 22, 744, 00 , 14:45:03, 24-Aug-2018
28, 28.60, 35.6, 21, 744, 00 , 15:00:03, 24-Aug-2018
29, 29.66, 35.8, 21, 744, 00 , 15:15:03, 24-Aug-2018
30, 31.06, 34.8, 22, 744, 00 , 15:30:03, 24-Aug-2018
31, 30.52, 34.1, 21, 744, 00 , 15:45:03, 24-Aug-2018
32, 28.93, 33.8, 25, 744, 00 , 16:00:03, 24-Aug-2018
33, 28.31, 34.0, 23, 744, 00 , 16:15:03, 24-Aug-2018
34, 26.96, 33.4, 25, 744, 00 , 16:30:03, 24-Aug-2018
35, 28.05, 33.2, 25, 744, 00 , 16:45:03, 24-Aug-2018
36, 28.94, 32.8, 26, 744, 00 , 17:00:03, 24-Aug-2018

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"Max STEL ", 84.685040
"Max STEL @ ", 15:13:13 24-Aug-2018
"Avg point ", 41.233149
"ALARM ", "INSTANT "
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"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 18.90, 12.6, 61, 744, 00 , 08:15:03, 24-Aug-2018
2, 18.46, 12.2, 67, 744, 00 , 08:30:03, 24-Aug-2018
3, 19.07, 12.1, 68, 744, 00 , 08:45:03, 24-Aug-2018
4, 18.35, 12.3, 70, 744, 00 , 09:00:03, 24-Aug-2018
5, 22.63, 12.6, 70, 744, 00 , 09:15:03, 24-Aug-2018
6, 20.91, 13.1, 70, 744, 00 , 09:30:03, 24-Aug-2018
7, 19.26, 13.7, 68, 744, 00 , 09:45:03, 24-Aug-2018
8, 20.53, 14.4, 67, 744, 00 , 10:00:03, 24-Aug-2018
9, 31.64, 15.6, 63, 744, 00 , 10:15:03, 24-Aug-2018
10, 33.30, 16.7, 57, 744, 00 , 10:30:03, 24-Aug-2018
11, 28.34, 18.1, 53, 746, 00 , 10:45:03, 24-Aug-2018
12, 25.94, 20.1, 53, 746, 00 , 11:00:03, 24-Aug-2018
13, 28.33, 22.4, 45, 744, 00 , 11:15:03, 24-Aug-2018
14, 29.30, 24.5, 39, 746, 00 , 11:30:03, 24-Aug-2018
15, 38.37, 26.2, 35, 746, 00 , 11:45:03, 24-Aug-2018
16, 31.37, 27.7, 31, 746, 00 , 12:00:03, 24-Aug-2018
17, 31.38, 28.9, 29, 746, 00 , 12:15:03, 24-Aug-2018
18, 32.19, 30.1, 29, 746, 00 , 12:30:03, 24-Aug-2018
19, 35.76, 31.1, 27, 746, 00 , 12:45:03, 24-Aug-2018
20, 38.71, 31.7, 24, 744, 00 , 13:00:03, 24-Aug-2018
21, 38.84, 32.5, 21, 744, 00 , 13:15:03, 24-Aug-2018
22, 58.85, 32.7, 15, 744, 00 , 13:30:03, 24-Aug-2018
23, 69.90, 33.3, 14, 744, 00 , 13:45:03, 24-Aug-2018
24, 73.45, 34.2, 16, 744, 00 , 14:00:03, 24-Aug-2018
25, 43.18, 35.7, 17, 744, 00 , 14:15:03, 24-Aug-2018
26, 52.48, 36.4, 12, 744, 00 , 14:30:03, 24-Aug-2018
27, 54.26, 36.2, 11, 744, 00 , 14:45:03, 24-Aug-2018
28, 65.64, 36.1, 10, 744, 00 , 15:00:03, 24-Aug-2018
29, 82.26, 35.9, 10, 744, 00 , 15:15:03, 24-Aug-2018
30, 67.19, 35.5, 11, 744, 00 , 15:30:03, 24-Aug-2018
31, 59.08, 35.4, 11, 744, 00 , 15:45:03, 24-Aug-2018
32, 53.44, 36.1, 11, 744, 00 , 16:00:03, 24-Aug-2018
33, 66.12, 36.8, 10, 744, 00 , 16:15:03, 24-Aug-2018
34, 58.78, 36.4, 11, 744, 00 , 16:30:03, 24-Aug-2018
35, 56.94, 36.4, 10, 744, 00 , 16:45:03, 24-Aug-2018

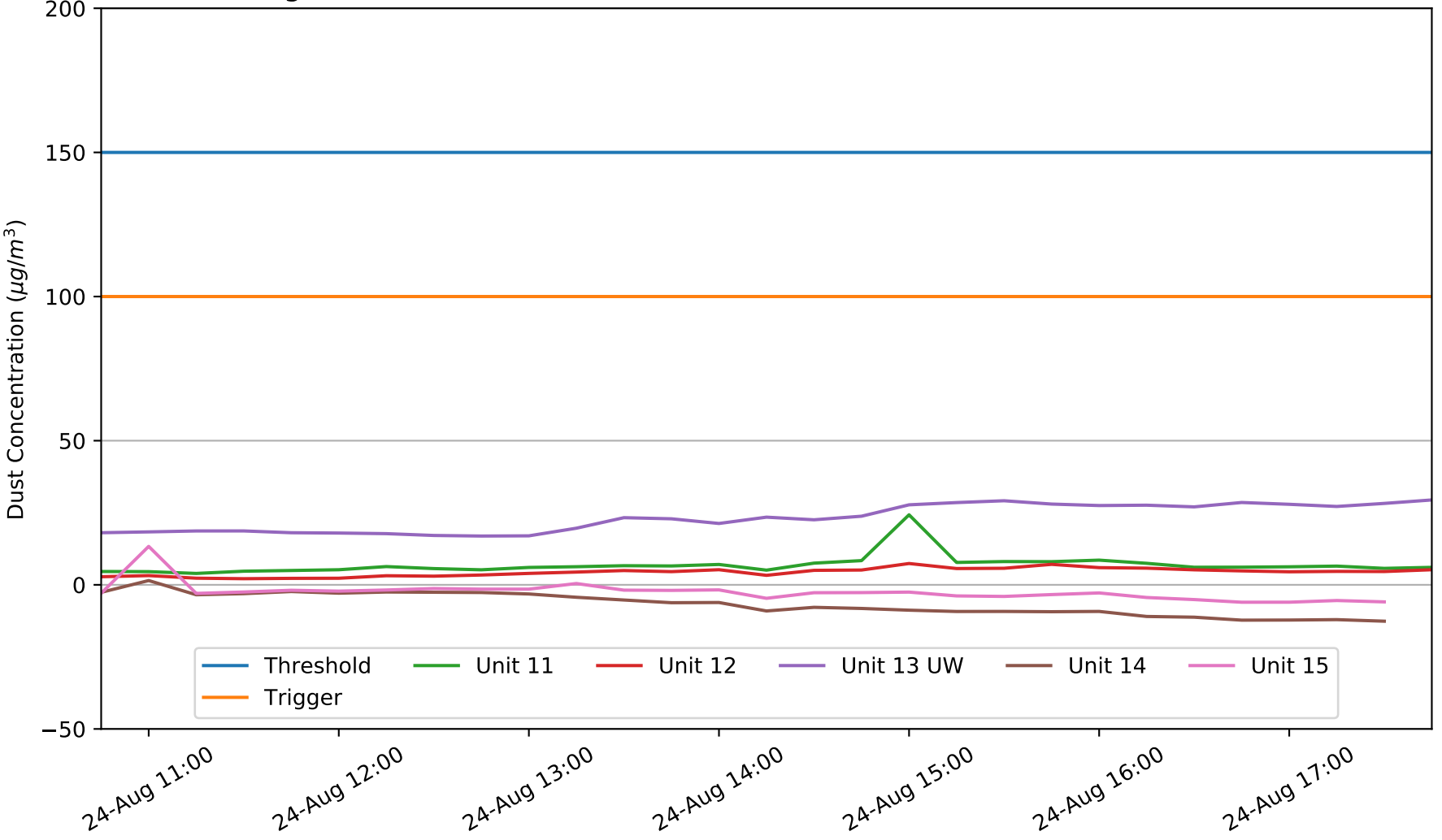
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"Max STEL @ ", 12:52:33 24-Aug-2018
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"FlowRate ", 1.200000
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1, 15.56, 14.6, 75, 744, 01 , 08:15:03, 24-Aug-2018
2, 12.87, 14.4, 81, 744, 00 , 08:30:03, 24-Aug-2018
3, 13.16, 14.6, 83, 744, 00 , 08:45:03, 24-Aug-2018
4, 9.76, 15.0, 87, 744, 00 , 09:00:03, 24-Aug-2018
5, 14.05, 15.6, 85, 744, 00 , 09:15:03, 24-Aug-2018
6, 18.79, 16.5, 80, 744, 00 , 09:30:03, 24-Aug-2018
7, 14.16, 17.4, 76, 744, 00 , 09:45:03, 24-Aug-2018
8, 16.35, 18.5, 71, 744, 00 , 10:00:03, 24-Aug-2018
9, 20.29, 19.7, 67, 744, 00 , 10:15:03, 24-Aug-2018
10, 19.99, 21.0, 61, 744, 00 , 10:30:03, 24-Aug-2018
11, 21.57, 22.1, 57, 744, 00 , 10:45:03, 24-Aug-2018
12, 19.80, 23.3, 54, 744, 00 , 11:00:03, 24-Aug-2018
13, 24.39, 24.7, 51, 744, 00 , 11:15:03, 24-Aug-2018
14, 35.01, 26.1, 47, 744, 00 , 11:30:03, 24-Aug-2018
15, 40.01, 27.4, 44, 744, 00 , 11:45:03, 24-Aug-2018
16, 22.69, 28.7, 39, 744, 00 , 12:00:03, 24-Aug-2018
17, 21.47, 29.9, 38, 744, 00 , 12:15:03, 24-Aug-2018
18, 23.26, 31.2, 37, 744, 00 , 12:30:03, 24-Aug-2018
19, 57.63, 32.3, 36, 744, 00 , 12:45:03, 24-Aug-2018
20, 33.43, 33.2, 34, 744, 00 , 13:00:03, 24-Aug-2018
21, 32.83, 34.5, 30, 744, 00 , 13:15:03, 24-Aug-2018
22, 35.56, 35.4, 26, 744, 00 , 13:30:03, 24-Aug-2018
23, 34.64, 36.9, 24, 744, 00 , 13:45:03, 24-Aug-2018
24, 40.09, 39.9, 23, 744, 00 , 14:00:03, 24-Aug-2018
25, 33.25, 44.5, 18, 744, 00 , 14:15:03, 24-Aug-2018
26, 36.99, 47.1, 15, 744, 00 , 14:30:03, 24-Aug-2018
27, 39.00, 46.9, 15, 744, 00 , 14:45:03, 24-Aug-2018
28, 32.42, 45.9, 15, 744, 00 , 15:00:03, 24-Aug-2018
29, 47.42, 45.1, 16, 742, 00 , 15:15:03, 24-Aug-2018
30, 48.26, 44.5, 17, 742, 00 , 15:30:03, 24-Aug-2018
31, 43.12, 44.9, 16, 742, 00 , 15:45:03, 24-Aug-2018
32, 38.97, 46.4, 15, 742, 00 , 16:00:03, 24-Aug-2018
33, 35.82, 46.8, 15, 742, 00 , 16:15:03, 24-Aug-2018
34, 35.11, 45.8, 16, 742, 00 , 16:30:03, 24-Aug-2018
35, 40.50, 45.6, 16, 742, 00 , 16:45:03, 24-Aug-2018

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 12:42:04 24-Aug-2018
"Max STEL ", 131.345165
"Max STEL @ ", 12:47:03 24-Aug-2018
"Avg point ", 41.497159
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 19.01, 9.4, 56, 744, 01 , 08:15:03, 24-Aug-2018
2, 20.69, 13.6, 47, 744, 00 , 08:30:03, 24-Aug-2018
3, 22.44, 17.3, 38, 744, 00 , 08:45:03, 24-Aug-2018
4, 22.35, 20.6, 32, 744, 00 , 09:00:03, 24-Aug-2018
5, 23.19, 23.4, 27, 744, 00 , 09:15:03, 24-Aug-2018
6, 37.46, 25.7, 24, 744, 00 , 09:30:03, 24-Aug-2018
7, 21.76, 27.8, 22, 744, 00 , 09:45:03, 24-Aug-2018
8, 26.18, 30.3, 18, 746, 00 , 10:00:03, 24-Aug-2018
9, 34.95, 32.7, 17, 746, 00 , 10:15:03, 24-Aug-2018
10, 24.64, 35.0, 15, 746, 00 , 10:30:03, 24-Aug-2018
11, 26.84, 36.8, 14, 746, 00 , 10:45:03, 24-Aug-2018
12, 24.95, 38.1, 14, 746, 00 , 11:00:03, 24-Aug-2018
13, 28.15, 39.5, 12, 746, 00 , 11:15:03, 24-Aug-2018
14, 46.50, 40.4, 11, 746, 00 , 11:30:03, 24-Aug-2018
15, 48.98, 41.8, 11, 746, 00 , 11:45:03, 24-Aug-2018
16, 29.62, 43.0, 10, 746, 00 , 12:00:03, 24-Aug-2018
17, 24.34, 43.6, 10, 746, 00 , 12:15:03, 24-Aug-2018
18, 37.16, 44.0, 10, 746, 00 , 12:30:03, 24-Aug-2018
19, 111.68, 44.3, 10, 746, 00 , 12:45:03, 24-Aug-2018
20, 65.71, 44.0, 10, 746, 00 , 13:00:03, 24-Aug-2018
21, 74.58, 43.8, 10, 746, 00 , 13:15:03, 24-Aug-2018
22, 42.46, 42.6, 9, 746, 00 , 13:30:03, 24-Aug-2018
23, 44.47, 42.0, 9, 746, 00 , 13:45:03, 24-Aug-2018
24, 52.96, 40.4, 10, 746, 00 , 14:00:03, 24-Aug-2018
25, 41.07, 38.7, 12, 744, 00 , 14:15:03, 24-Aug-2018
26, 54.57, 35.1, 14, 744, 00 , 14:30:03, 24-Aug-2018
27, 52.28, 31.8, 16, 744, 00 , 14:45:03, 24-Aug-2018
28, 40.02, 29.4, 17, 744, 00 , 15:00:03, 24-Aug-2018
29, 63.03, 27.7, 18, 744, 00 , 15:15:03, 24-Aug-2018
30, 64.88, 26.1, 21, 744, 00 , 15:30:03, 24-Aug-2018
31, 49.25, 24.2, 23, 744, 00 , 15:45:03, 24-Aug-2018
32, 47.37, 23.0, 25, 744, 00 , 16:00:03, 24-Aug-2018
33, 41.54, 22.4, 26, 744, 00 , 16:15:03, 24-Aug-2018
34, 40.15, 21.7, 27, 744, 00 , 16:30:03, 24-Aug-2018
35, 47.20, 21.3, 27, 744, 00 , 16:45:03, 24-Aug-2018

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"RH CORRECT ", "ENABLED "
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"Max STEL @ ", 15:10:13 24-Aug-2018
"Avg point ", 29.438608
"ALARM ", "INSTANT "
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"FlowRate ", 1.200000
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1, 29.43, 14.2, 73, 744, 01 , 08:15:03, 24-Aug-2018
2, 19.35, 14.1, 77, 744, 00 , 08:30:03, 24-Aug-2018
3, 17.20, 14.3, 75, 744, 00 , 08:45:03, 24-Aug-2018
4, 16.51, 15.7, 70, 744, 00 , 09:00:03, 24-Aug-2018
5, 17.99, 18.9, 62, 744, 00 , 09:15:03, 24-Aug-2018
6, 19.77, 21.5, 53, 744, 00 , 09:30:03, 24-Aug-2018
7, 20.45, 23.6, 48, 744, 00 , 09:45:03, 24-Aug-2018
8, 20.67, 25.4, 43, 744, 00 , 10:00:03, 24-Aug-2018
9, 25.72, 27.0, 40, 744, 00 , 10:15:03, 24-Aug-2018
10, 21.00, 28.2, 36, 744, 00 , 10:30:03, 24-Aug-2018
11, 23.29, 29.3, 33, 744, 00 , 10:45:03, 24-Aug-2018
12, 21.98, 30.4, 33, 744, 00 , 11:00:03, 24-Aug-2018
13, 25.22, 31.2, 32, 744, 00 , 11:15:03, 24-Aug-2018
14, 28.08, 31.7, 31, 744, 00 , 11:30:03, 24-Aug-2018
15, 27.02, 32.0, 30, 744, 00 , 11:45:03, 24-Aug-2018
16, 24.82, 32.2, 29, 744, 00 , 12:00:03, 24-Aug-2018
17, 29.14, 32.2, 29, 744, 00 , 12:15:03, 24-Aug-2018
18, 28.05, 32.1, 30, 744, 00 , 12:30:03, 24-Aug-2018
19, 33.06, 31.8, 32, 744, 00 , 12:45:03, 24-Aug-2018
20, 33.78, 31.3, 33, 744, 00 , 13:00:03, 24-Aug-2018
21, 28.13, 30.9, 31, 744, 00 , 13:15:03, 24-Aug-2018
22, 29.34, 30.8, 29, 744, 00 , 13:30:03, 24-Aug-2018
23, 32.39, 31.4, 28, 744, 00 , 13:45:03, 24-Aug-2018
24, 45.08, 31.5, 29, 744, 00 , 14:00:03, 24-Aug-2018
25, 28.80, 31.4, 30, 744, 00 , 14:15:03, 24-Aug-2018
26, 28.18, 30.6, 31, 744, 00 , 14:30:03, 24-Aug-2018
27, 42.05, 30.0, 31, 742, 00 , 14:45:03, 24-Aug-2018
28, 36.18, 29.8, 32, 742, 00 , 15:00:03, 24-Aug-2018
29, 54.09, 29.8, 31, 742, 00 , 15:15:03, 24-Aug-2018
30, 40.21, 29.1, 31, 742, 00 , 15:30:03, 24-Aug-2018
31, 39.50, 28.3, 32, 742, 00 , 15:45:03, 24-Aug-2018
32, 36.26, 27.8, 33, 742, 00 , 16:00:03, 24-Aug-2018
33, 34.20, 27.5, 34, 742, 00 , 16:15:03, 24-Aug-2018
34, 34.18, 27.2, 35, 742, 00 , 16:30:03, 24-Aug-2018
35, 39.22, 27.0, 34, 742, 00 , 16:45:03, 24-Aug-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 24-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 24-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 14	Unit 13 UW	Unit 15	Unit 12	Unit 11	Threshold	Trigger
2018-08-24 10:45:00	-2.61	18.07	-2.93	2.8	4.62	150	100
2018-08-24 11:00:00	1.48	18.36	13.33	3.2	4.57	150	100
2018-08-24 11:15:00	-3.45	18.68	-2.98	2.3	3.95	150	100
2018-08-24 11:30:00	-3.07	18.69	-2.49	2.12	4.72	150	100
2018-08-24 11:45:00	-2.33	18.07	-1.89	2.24	4.97	150	100
2018-08-24 12:00:00	-2.9	17.96	-2.19	2.28	5.23	150	100
2018-08-24 12:15:00	-2.5	17.75	-1.8	3.15	6.33	150	100
2018-08-24 12:30:00	-2.58	17.12	-1.29	3	5.63	150	100
2018-08-24 12:45:00	-2.67	16.92	-1.5	3.4	5.21	150	100
2018-08-24 13:00:00	-3.18	16.99	-1.5	3.96	6.03	150	100
2018-08-24 13:15:00	-4.32	19.64	0.45	4.42	6.28	150	100
2018-08-24 13:30:00	-5.27	23.29	-1.85	4.95	6.63	150	100
2018-08-24 13:45:00	-6.21	22.9	-1.93	4.57	6.54	150	100
2018-08-24 14:00:00	-6.14	21.28	-1.76	5.24	7.06	150	100
2018-08-24 14:15:00	-9.07	23.47	-4.68	3.29	5.09	150	100
2018-08-24 14:30:00	-7.81	22.56	-2.74	5.02	7.52	150	100
2018-08-24 14:45:00	-8.2	23.8	-2.7	5.13	8.39	150	100
2018-08-24 15:00:00	-8.8	27.75	-2.53	7.39	24.29	150	100
2018-08-24 15:15:00	-9.25	28.53	-3.85	5.65	7.76	150	100
2018-08-24 15:30:00	-9.23	29.16	-4.03	5.74	8.07	150	100
2018-08-24 15:45:00	-9.33	28.01	-3.39	7.1	8.03	150	100
2018-08-24 16:00:00	-9.23	27.5	-2.82	5.96	8.56	150	100
2018-08-24 16:15:00	-10.98	27.62	-4.4	5.78	7.46	150	100
2018-08-24 16:30:00	-11.23	27.04	-5.12	5.2	6.09	150	100
2018-08-24 16:45:00	-12.26	28.56	-6.04	4.83	6.12	150	100
2018-08-24 17:00:00	-12.22	27.93	-6.03	4.52	6.25	150	100
2018-08-24 17:15:00	-12.08	27.18	-5.45	4.66	6.49	150	100
2018-08-24 17:30:00	-12.62	28.24	-5.92	4.61	5.71	150	100
2018-08-24 17:45:00		29.44		5.23	6.06	150	100

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"Max STEL   ", 20.011966
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"Avg point ", 16.251120
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"Errors   ", 0000
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    4,   15.62, 20.0,   49,   746, 00 , 11:30:03, 24-Aug-2018
    5,   15.74, 20.6,   47,   746, 00 , 11:45:03, 24-Aug-2018
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   11,   15.32, 26.4,   38,   744, 00 , 13:15:03, 24-Aug-2018
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   24,   15.81, 42.1,   10,   744, 00 , 16:30:03, 24-Aug-2018
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   27,   15.10, 43.2,   9,   744, 00 , 17:15:03, 24-Aug-2018
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1, 18.07, 23.4, 52, 744, 01 , 10:45:03, 24-Aug-2018
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4, 18.69, 28.4, 43, 744, 00 , 11:30:03, 24-Aug-2018
5, 18.07, 30.1, 39, 744, 00 , 11:45:03, 24-Aug-2018
6, 17.96, 31.2, 36, 744, 00 , 12:00:03, 24-Aug-2018
7, 17.75, 31.9, 36, 744, 00 , 12:15:03, 24-Aug-2018
8, 17.12, 32.6, 36, 744, 00 , 12:30:03, 24-Aug-2018
9, 16.92, 33.2, 36, 744, 00 , 12:45:03, 24-Aug-2018
10, 16.99, 33.5, 36, 744, 00 , 13:00:03, 24-Aug-2018
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15, 23.47, 35.7, 32, 744, 00 , 14:15:03, 24-Aug-2018
16, 22.56, 35.9, 31, 744, 00 , 14:30:03, 24-Aug-2018
17, 23.80, 35.8, 30, 742, 00 , 14:45:03, 24-Aug-2018
18, 27.75, 35.5, 29, 742, 00 , 15:00:03, 24-Aug-2018
19, 28.53, 35.3, 29, 742, 00 , 15:15:03, 24-Aug-2018
20, 29.16, 34.4, 29, 742, 00 , 15:30:03, 24-Aug-2018
21, 28.01, 34.1, 30, 742, 00 , 15:45:03, 24-Aug-2018
22, 27.50, 34.4, 30, 742, 00 , 16:00:03, 24-Aug-2018
23, 27.62, 34.7, 30, 742, 00 , 16:15:03, 24-Aug-2018
24, 27.04, 33.4, 30, 742, 00 , 16:30:03, 24-Aug-2018
25, 28.56, 32.4, 30, 742, 00 , 16:45:03, 24-Aug-2018
26, 27.93, 31.8, 30, 742, 00 , 17:00:03, 24-Aug-2018
27, 27.18, 31.4, 32, 742, 00 , 17:15:03, 24-Aug-2018
28, 28.24, 31.3, 33, 742, 00 , 17:30:03, 24-Aug-2018
29, 29.44, 31.0, 32, 742, 00 , 17:45:03, 24-Aug-2018

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"RH CORRECT ", "ENABLED "
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"Max STEL @ ", 11:08:13 24-Aug-2018
"Avg point ", 20.465353
"ALARM ", "INSTANT "
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"Errors ", 0000
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2, 31.69, 19.9, 54, 746, 00 , 11:00:03, 24-Aug-2018
3, 15.70, 20.0, 53, 746, 00 , 11:15:03, 24-Aug-2018
4, 16.20, 20.4, 50, 746, 00 , 11:30:03, 24-Aug-2018
5, 16.18, 21.0, 49, 746, 00 , 11:45:03, 24-Aug-2018
6, 15.77, 21.8, 47, 746, 00 , 12:00:03, 24-Aug-2018
7, 15.95, 22.4, 48, 746, 00 , 12:15:03, 24-Aug-2018
8, 15.83, 23.1, 46, 746, 00 , 12:30:03, 24-Aug-2018
9, 15.42, 23.8, 45, 746, 00 , 12:45:03, 24-Aug-2018
10, 15.49, 24.5, 44, 744, 00 , 13:00:03, 24-Aug-2018
11, 20.09, 25.2, 41, 744, 00 , 13:15:03, 24-Aug-2018
12, 21.44, 25.9, 32, 744, 00 , 13:30:03, 24-Aug-2018
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16, 19.82, 35.9, 19, 744, 00 , 14:30:03, 24-Aug-2018
17, 21.10, 37.0, 18, 744, 00 , 14:45:03, 24-Aug-2018
18, 25.22, 36.3, 16, 744, 00 , 15:00:03, 24-Aug-2018
19, 24.68, 36.2, 17, 744, 00 , 15:15:03, 24-Aug-2018
20, 25.13, 36.0, 17, 744, 00 , 15:30:03, 24-Aug-2018
21, 24.62, 36.6, 17, 744, 00 , 15:45:03, 24-Aug-2018
22, 24.68, 39.2, 16, 744, 00 , 16:00:03, 24-Aug-2018
23, 23.22, 40.5, 16, 744, 00 , 16:15:03, 24-Aug-2018
24, 21.92, 40.4, 17, 744, 00 , 16:30:03, 24-Aug-2018
25, 22.52, 40.2, 17, 744, 00 , 16:45:03, 24-Aug-2018
26, 21.90, 40.7, 15, 744, 00 , 17:00:03, 24-Aug-2018
27, 21.73, 41.4, 13, 744, 00 , 17:15:03, 24-Aug-2018
28, 22.32, 41.8, 11, 744, 00 , 17:30:03, 24-Aug-2018

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"RH CORRECT ", "ENABLED "
"Max Disp ", 61.103530
"Max Disp @ ", 14:49:02 24-Aug-2018
"Max STEL ", 35.553432
"Max STEL @ ", 15:02:23 24-Aug-2018
"Avg point ", 27.594428
"ALARM ", "INSTANT "
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"Errors ", 0000
"Inlet Type " "TOTAL "
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5, 20.31, 30.0, 34, 746, 00 , 11:45:03, 24-Aug-2018
6, 20.24, 30.9, 32, 746, 00 , 12:00:03, 24-Aug-2018
7, 20.90, 30.7, 32, 746, 00 , 12:15:03, 24-Aug-2018
8, 20.12, 30.2, 33, 746, 00 , 12:30:03, 24-Aug-2018
9, 20.32, 29.8, 35, 746, 00 , 12:45:03, 24-Aug-2018
10, 20.95, 29.1, 36, 746, 00 , 13:00:03, 24-Aug-2018
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12, 28.24, 28.7, 32, 744, 00 , 13:30:03, 24-Aug-2018
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21, 35.11, 29.5, 30, 744, 00 , 15:45:03, 24-Aug-2018
22, 33.46, 29.1, 31, 744, 00 , 16:00:03, 24-Aug-2018
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27, 31.84, 28.5, 32, 744, 00 , 17:15:03, 24-Aug-2018
28, 32.85, 28.6, 32, 744, 00 , 17:30:03, 24-Aug-2018
29, 34.67, 28.7, 31, 744, 01 , 17:45:03, 24-Aug-2018

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"RH CORRECT ", "ENABLED "
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"Max STEL @ ", 15:02:33 24-Aug-2018
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4, 23.41, 29.8, 30, 744, 00 , 11:30:03, 24-Aug-2018
5, 23.04, 31.0, 30, 744, 00 , 11:45:03, 24-Aug-2018
6, 23.19, 31.6, 29, 744, 00 , 12:00:03, 24-Aug-2018
7, 24.08, 31.6, 29, 744, 00 , 12:15:03, 24-Aug-2018
8, 22.75, 31.9, 29, 744, 00 , 12:30:03, 24-Aug-2018
9, 22.13, 31.9, 30, 744, 00 , 12:45:03, 24-Aug-2018
10, 23.02, 31.4, 31, 744, 00 , 13:00:03, 24-Aug-2018
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13, 29.44, 31.0, 26, 742, 00 , 13:45:03, 24-Aug-2018
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17, 32.19, 33.0, 26, 742, 00 , 14:45:03, 24-Aug-2018
18, 52.04, 32.9, 24, 742, 00 , 15:00:03, 24-Aug-2018
19, 36.29, 32.7, 24, 742, 00 , 15:15:03, 24-Aug-2018
20, 37.23, 32.2, 25, 742, 00 , 15:30:03, 24-Aug-2018
21, 36.04, 32.1, 24, 742, 00 , 15:45:03, 24-Aug-2018
22, 36.06, 32.4, 24, 742, 00 , 16:00:03, 24-Aug-2018
23, 35.08, 32.6, 25, 742, 00 , 16:15:03, 24-Aug-2018
24, 33.13, 32.1, 25, 742, 00 , 16:30:03, 24-Aug-2018
25, 34.68, 31.9, 25, 742, 00 , 16:45:03, 24-Aug-2018
26, 34.18, 31.9, 25, 742, 00 , 17:00:03, 24-Aug-2018
27, 33.67, 31.7, 25, 742, 00 , 17:15:03, 24-Aug-2018
28, 33.95, 31.5, 26, 742, 00 , 17:30:03, 24-Aug-2018
29, 35.50, 31.1, 25, 742, 00 , 17:45:03, 24-Aug-2018

DAILY OBSERVATION REPORT

Report No.:	77	Project File:	MN0832D	Date:	08/25/2018

Geosyntec consultants

engineers | scientists | innovators

Beech and Bonaparte engineering p.c.

an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Jim Burnett

Site Representative: Ashwin Ranna

Arrive at Site: 0730hrs. Leave Site: 1800 hrs.

Contractor: Recon

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Sunny and Clear	am	Sunny and Clear	Pm
Temperature:	54° F	am	80° F	Pm
Wind Direction:	Calm	am	8 S	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☒	No ☐	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 77 Project File: MN0832D Date: 08/25/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 5 Total Loads to date: 472

Weight: ~20 tons/each Total Weight to date: ~11220 Tons

Non Haz Soil Removal:

Total Loads today: 0 Total Loads to date: 256

Weight: 20-33 tons/each Total Weight to date: ~6019 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: Tons Total Weight to date: 175 Tons

Imported Common Fill:

Total Loads today: 102 Total Loads to date: ~1500

Weight: ~21 Tons/each Total Weight to date: ~22223Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	77	Project File:	MN0832D	Date:	08/25/2018

Summary of Events

AM

- Geosyntec arrived on site at 0730. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed work plan for the day.
- Geosyntec calibrated and deployed dust monitors.
- Recon continued backfilling the excavation and removed the sheet piling around the loaded out TSCA material
- Recon began cleanup of the area behind the K wing. As dust was being generated Geosyntec advised Recon to spray water prior to sweeping. Water truck was run continuously till the end of days' work.
- School contractor was not active on site today.

PM

- Recon loaded 5 TSCA trucks. Trucks were stationed over crane mats and on poly while being loaded.
- Backfilling efforts with imported fill material continued throughout the afternoon. ATL continued density tests as backfilling progressed. Stockpile of item 4 material on STCC property was shifted to the RPL and used for backfilling.
- Removed sheet piles stored in the MSA were deconned and staged on top of Poly in the MSA.
- No non-hazardous material was loaded for offsite shipment.
- Recon covered piles in the RPL at the end of the day. Geosyntec collected dust monitors and analyzed the data.
- Geosyntec shut down and left site around 1800.

DAILY OBSERVATION REPORT

Report No.:	77	Project File:	MN0832D	Date:	08/25/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Rich Tonnucour
- (Recon labor) X16

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- CAT 725 Haul truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date (RPL Turnover to ECSD): 8/28/18
Completion Date (MSA Turnover to STCC): TBD

ITEMS OF CONCERN:

A dust monitor along the northern edge of the site had readings above 100 ug/m3. Sweeping on the site was stopped and water was sprayed. Dust was controlled, and water truck was run to keep dust down till the end of the days activities.

Site Representative: Ashwin Ranna

Name (Signature):



Report No.: 77 Project File: MN0832D Date: 08/25/2018

Photo Log
Date : 08/25/2018

	
Compacting Backfill	Decon of haul trucks leaving the RPL
	
Decon of sheet pile on top of truck wash in MSA	Dust control through spraying water

DAILY OBSERVATION REPORT

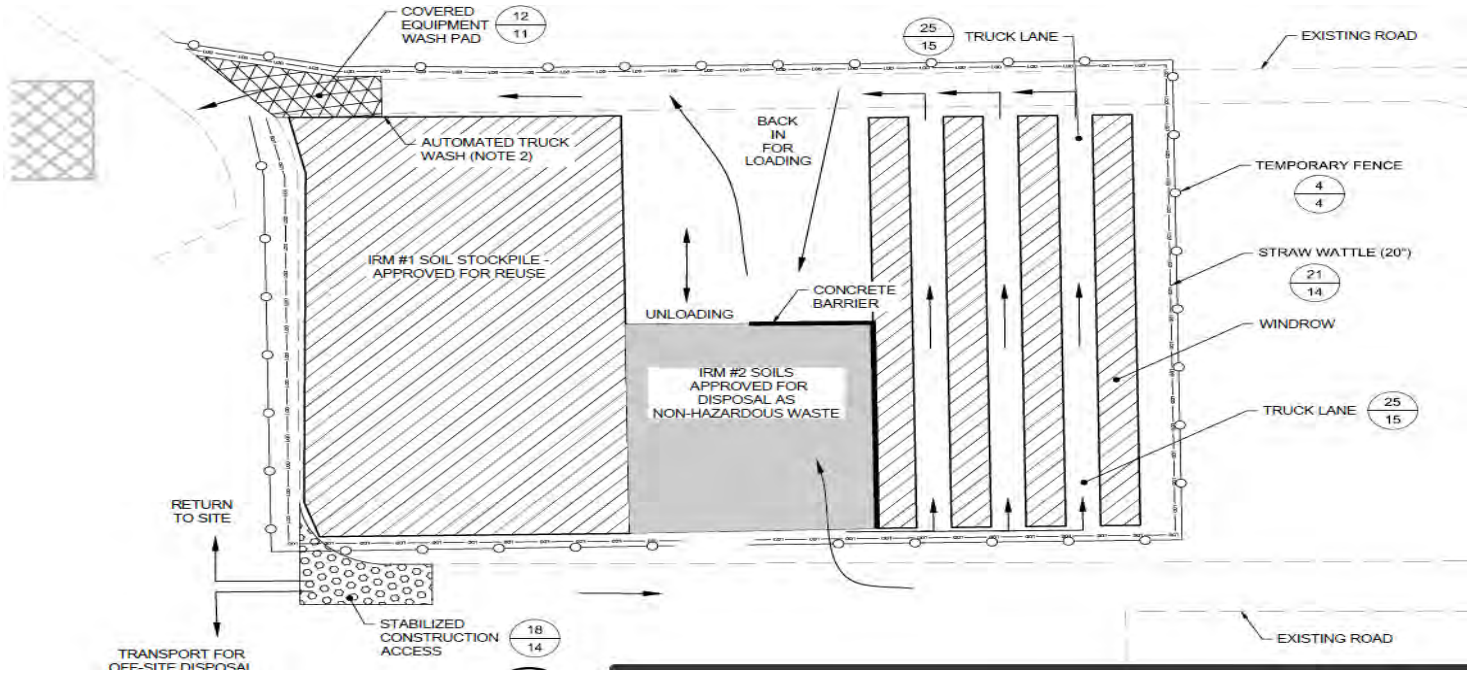
Report No.:	77	Project File:	MN0832D	Date:	08/25/2018

Site Map

Rear Parking Lot

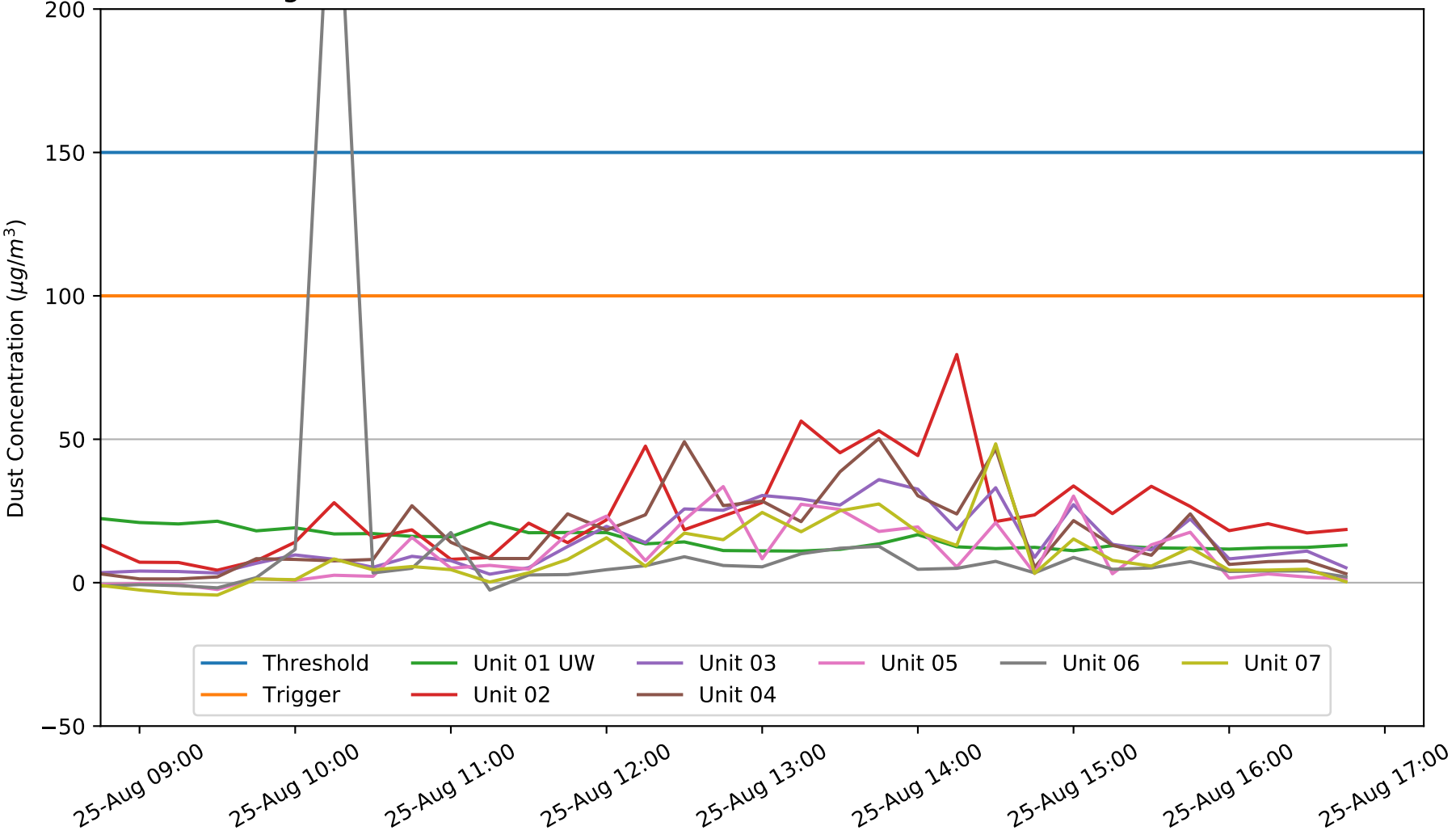


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 25-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 25-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 03	Unit 01 UW	Unit 07	Unit 04	Unit 02	Unit 06	Unit 05	Threshold	Trigger
2018-08-25 08:45:00	3.48	22.35	-0.96	3.07	13.12	-1.16	-0.66	150	100
2018-08-25 09:00:00	4.05	20.97	-2.55	1.31	7.13	-0.69	-0.29	150	100
2018-08-25 09:15:00	3.89	20.48	-3.84	1.29	7.04	-1.01	-0.66	150	100
2018-08-25 09:30:00	3.35	21.43	-4.33	2.01	4.35	-1.81	-2.38	150	100
2018-08-25 09:45:00	6.76	18.07	1.29	8.37	7.63	1.75	1.41	150	100
2018-08-25 10:00:00	9.67	19.13	1.04	8.11	14.13	11.6	0.81	150	100
2018-08-25 10:15:00	8.16	16.99	8.27	7.61	27.9	275.2	2.59	150	100
2018-08-25 10:30:00	5.37	17.12	4.48	8.09	15.67	3.41	2.21	150	100
2018-08-25 10:45:00	9.19	16.14	5.63	26.84	18.43	5.02	15.79	150	100
2018-08-25 11:00:00	7.68	15.99	4.54	14.08	8.14	17.49	5.06	150	100
2018-08-25 11:15:00	2.96	20.97	0.22	8.41	8.76	-2.59	6.04	150	100
2018-08-25 11:30:00	5.23	17.41	3.44	8.42	20.75	2.69	4.75	150	100
2018-08-25 11:45:00	12.6	17.5	8.11	23.99	13.95	2.82	17.02	150	100
2018-08-25 12:00:00	19.65	17.46	15.66	18.34	21.91	4.53	23.21	150	100
2018-08-25 12:15:00	13.96	13.54	5.72	23.66	47.62	5.92	7.67	150	100
2018-08-25 12:30:00	25.71	14.21	17.28	49.15	18.46	9.04	21.85	150	100
2018-08-25 12:45:00	25.24	11.2	14.98	26.86	23.26	5.99	33.51	150	100
2018-08-25 13:00:00	30.41	11.09	24.49	28.44	27.95	5.53	8.31	150	100
2018-08-25 13:15:00	29.19	11.02	17.75	21.28	56.36	10.08	27.34	150	100
2018-08-25 13:30:00	27.05	11.61	25.08	38.66	45.3	12.01	25.52	150	100
2018-08-25 13:45:00	35.95	13.53	27.44	50.22	52.96	12.67	17.86	150	100
2018-08-25 14:00:00	32.6	16.74	17.71	30.3	44.32	4.67	19.44	150	100
2018-08-25 14:15:00	18.52	12.51	12.99	23.96	79.56	5	5.46	150	100
2018-08-25 14:30:00	33.11	11.89	48.42	46.68	21.32	7.43	20.96	150	100
2018-08-25 14:45:00	8.81	12.32	3.24	5.32	23.62	3.42	3.21	150	100
2018-08-25 15:00:00	27.22	11.16	15.24	21.65	33.72	8.81	30.21	150	100
2018-08-25 15:15:00	13.37	12.91	7.77	13.07	24.09	4.66	3.1	150	100
2018-08-25 15:30:00	11.41	12.13	5.79	9.56	33.6	5.13	13.2	150	100
2018-08-25 15:45:00	22.2	11.99	12.23	23.99	26.57	7.34	17.59	150	100
2018-08-25 16:00:00	8.29	11.7	4.36	6.36	18.14	3.91	1.58	150	100
2018-08-25 16:15:00	9.62	12.19	4.39	7.35	20.56	4.08	3.05	150	100
2018-08-25 16:30:00	11.01	12.31	4.7	7.58	17.34	4.08	1.96	150	100
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9, 25.33, 25.8, 28, 746, 00 , 10:45:03, 25-Aug-2018
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28, 23.54, 22.2, 30, 744, 00 , 15:30:03, 25-Aug-2018
29, 34.19, 21.4, 33, 744, 00 , 15:45:03, 25-Aug-2018
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28, 12.13, 31.7, 31, 744, 00 , 15:30:03, 25-Aug-2018
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30, 11.70, 30.8, 34, 744, 00 , 16:00:03, 25-Aug-2018
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6, 20.17, 21.5, 68, 744, 00 , 10:00:03, 25-Aug-2018
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22, 34.45, 33.8, 33, 744, 00 , 14:00:03, 25-Aug-2018
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32, 17.01, 42.5, 22, 742, 00 , 16:30:03, 25-Aug-2018
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21, 63.75, 34.5, 30, 744, 00 , 13:45:03, 25-Aug-2018
22, 47.04, 35.8, 28, 744, 00 , 14:00:03, 25-Aug-2018
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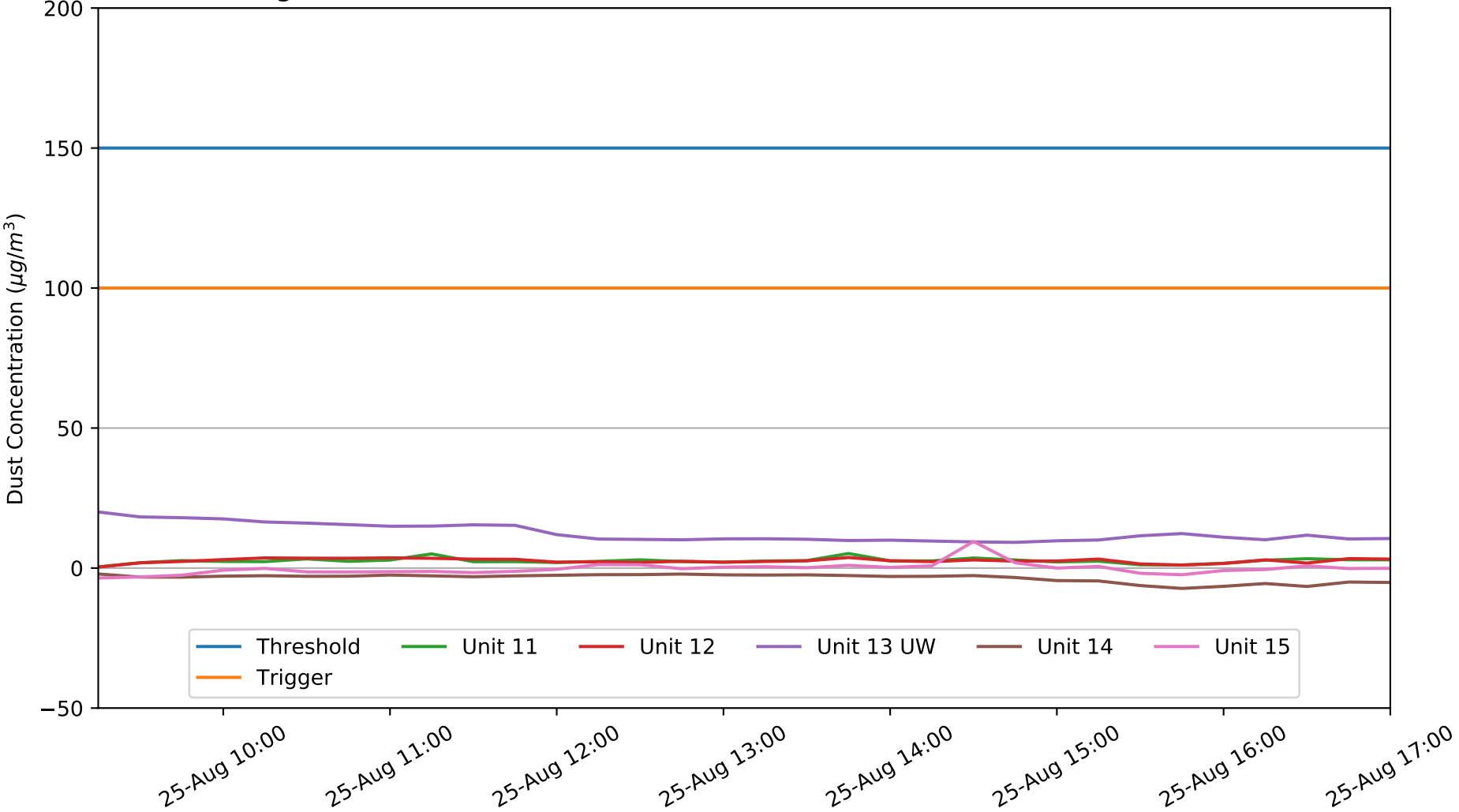
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17, 34.46, 28.7, 24, 744, 00 , 12:45:03, 25-Aug-2018
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21, 66.49, 29.4, 24, 744, 00 , 13:45:03, 25-Aug-2018
22, 61.06, 30.3, 22, 744, 00 , 14:00:03, 25-Aug-2018
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25, 35.94, 31.0, 20, 744, 00 , 14:45:03, 25-Aug-2018
26, 44.88, 32.0, 18, 744, 00 , 15:00:03, 25-Aug-2018
27, 37.00, 32.6, 17, 744, 00 , 15:15:03, 25-Aug-2018
28, 45.73, 32.9, 17, 744, 00 , 15:30:03, 25-Aug-2018
29, 38.56, 33.0, 17, 744, 00 , 15:45:03, 25-Aug-2018
30, 29.84, 33.6, 17, 744, 00 , 16:00:03, 25-Aug-2018
31, 32.75, 34.2, 15, 744, 00 , 16:15:03, 25-Aug-2018
32, 29.65, 34.3, 15, 744, 00 , 16:30:03, 25-Aug-2018
33, 31.64, 34.0, 15, 744, 00 , 16:45:03, 25-Aug-2018

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4, 19.62, 21.4, 61, 744, 00 , 09:30:03, 25-Aug-2018
5, 19.82, 22.3, 58, 744, 00 , 09:45:03, 25-Aug-2018
6, 30.73, 23.9, 55, 744, 00 , 10:00:03, 25-Aug-2018
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9, 21.16, 29.3, 38, 744, 00 , 10:45:03, 25-Aug-2018
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11, 18.38, 26.7, 46, 744, 00 , 11:15:03, 25-Aug-2018
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13, 20.32, 26.9, 47, 744, 00 , 11:45:03, 25-Aug-2018
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26, 19.97, 32.0, 31, 742, 00 , 15:00:03, 25-Aug-2018
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"Max STEL ", 55.692072
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"Avg point ", 25.368428
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
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4, 19.05, 19.2, 68, 744, 00 , 09:30:03, 25-Aug-2018
5, 19.48, 20.0, 65, 744, 00 , 09:45:03, 25-Aug-2018
6, 19.94, 21.6, 61, 744, 00 , 10:00:03, 25-Aug-2018
7, 19.58, 24.0, 54, 744, 00 , 10:15:03, 25-Aug-2018
8, 19.33, 26.0, 49, 744, 00 , 10:30:03, 25-Aug-2018
9, 31.93, 26.4, 47, 744, 00 , 10:45:03, 25-Aug-2018
10, 21.05, 25.5, 50, 744, 00 , 11:00:03, 25-Aug-2018
11, 27.01, 24.7, 52, 744, 00 , 11:15:03, 25-Aug-2018
12, 22.16, 24.6, 53, 744, 00 , 11:30:03, 25-Aug-2018
13, 34.52, 24.9, 54, 744, 00 , 11:45:03, 25-Aug-2018
14, 40.67, 26.6, 47, 744, 00 , 12:00:03, 25-Aug-2018
15, 21.21, 27.3, 41, 744, 00 , 12:15:03, 25-Aug-2018
16, 36.06, 28.1, 41, 744, 00 , 12:30:03, 25-Aug-2018
17, 44.71, 28.8, 39, 744, 00 , 12:45:03, 25-Aug-2018
18, 19.40, 28.7, 40, 744, 00 , 13:00:03, 25-Aug-2018
19, 38.36, 28.9, 41, 744, 00 , 13:15:03, 25-Aug-2018
20, 37.13, 29.1, 40, 744, 00 , 13:30:03, 25-Aug-2018
21, 31.39, 28.6, 39, 744, 00 , 13:45:03, 25-Aug-2018
22, 36.18, 29.0, 39, 744, 00 , 14:00:03, 25-Aug-2018
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28, 25.33, 27.2, 41, 742, 00 , 15:30:03, 25-Aug-2018
29, 29.58, 26.7, 43, 742, 00 , 15:45:03, 25-Aug-2018
30, 13.28, 26.5, 45, 742, 00 , 16:00:03, 25-Aug-2018
31, 15.24, 26.5, 43, 742, 00 , 16:15:03, 25-Aug-2018
32, 14.27, 26.3, 43, 742, 00 , 16:30:03, 25-Aug-2018
33, 14.36, 25.9, 44, 742, 00 , 16:45:03, 25-Aug-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 25-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 25-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 14	Unit 15	Unit 11	Unit 12	Unit 13 UW	Threshold	Trigger
2018-08-25 09:15:00	-2.1	-3.56	0.42	0.36	20.04	150	100
2018-08-25 09:30:00	-3.22	-3.16	1.89	1.88	18.27	150	100
2018-08-25 09:45:00	-3.24	-2.56	2.66	2.36	17.99	150	100
2018-08-25 10:00:00	-2.89	-0.75	2.37	3.01	17.56	150	100
2018-08-25 10:15:00	-2.73	-0.12	2.31	3.63	16.46	150	100
2018-08-25 10:30:00	-2.94	-1.37	3.28	3.53	16.05	150	100
2018-08-25 10:45:00	-2.91	-1.4	2.41	3.5	15.51	150	100
2018-08-25 11:00:00	-2.49	-1.28	2.86	3.65	14.94	150	100
2018-08-25 11:15:00	-2.77	-1.19	5.06	3.49	14.99	150	100
2018-08-25 11:30:00	-3.1	-1.62	2.27	3.18	15.44	150	100
2018-08-25 11:45:00	-2.78	-1.17	2.31	3.13	15.26	150	100
2018-08-25 12:00:00	-2.58	-0.46	1.99	2.11	11.94	150	100
2018-08-25 12:15:00	-2.36	1.26	2.4	2.25	10.37	150	100
2018-08-25 12:30:00	-2.34	1.19	2.94	2.02	10.24	150	100
2018-08-25 12:45:00	-2.14	-0.24	2.32	2.43	10.1	150	100
2018-08-25 13:00:00	-2.42	0.34	2.11	2.09	10.43	150	100
2018-08-25 13:15:00	-2.5	0.5	2.52	2.36	10.46	150	100
2018-08-25 13:30:00	-2.42	0.13	2.66	2.58	10.29	150	100
2018-08-25 13:45:00	-2.67	0.98	5.2	3.77	9.84	150	100
2018-08-25 14:00:00	-3	0.23	2.57	2.61	9.97	150	100
2018-08-25 14:15:00	-2.94	0.79	2.55	2.3	9.65	150	100
2018-08-25 14:30:00	-2.68	9.49	3.6	2.9	9.34	150	100
2018-08-25 14:45:00	-3.37	1.89	2.88	2.48	9.18	150	100
2018-08-25 15:00:00	-4.47	0	2.19	2.53	9.74	150	100
2018-08-25 15:15:00	-4.59	0.59	2.47	3.2	10.03	150	100
2018-08-25 15:30:00	-6.25	-1.87	1.17	1.47	11.53	150	100
2018-08-25 15:45:00	-7.27	-2.38	1.11	1.07	12.32	150	100
2018-08-25 16:00:00	-6.52	-0.88	1.7	1.64	11.02	150	100
2018-08-25 16:15:00	-5.52	-0.51	2.81	2.93	10.11	150	100
2018-08-25 16:30:00	-6.57	0.78	3.34	1.79	11.75	150	100
2018-08-25 16:45:00	-4.99	-0.17	2.96	3.37	10.4	150	100
2018-08-25 17:00:00	-5.14	-0.09	2.95	3.2	10.55	150	100

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"Max STEL ", 17.943272
"Max STEL @ ", 09:15:03 25-Aug-2018
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"ALARM ", "INSTANT "
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"FlowRate ", 1.200000
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7, 12.60, 20.8, 58, 746, 00 , 10:45:03, 25-Aug-2018
8, 12.45, 21.4, 57, 746, 00 , 11:00:03, 25-Aug-2018
9, 12.22, 21.7, 56, 746, 00 , 11:15:03, 25-Aug-2018
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11, 12.48, 22.1, 54, 746, 00 , 11:45:03, 25-Aug-2018
12, 9.36, 22.4, 48, 746, 00 , 12:00:03, 25-Aug-2018
13, 8.01, 23.0, 43, 746, 00 , 12:15:03, 25-Aug-2018
14, 7.90, 23.7, 40, 746, 00 , 12:30:03, 25-Aug-2018
15, 7.96, 24.2, 39, 744, 00 , 12:45:03, 25-Aug-2018
16, 8.01, 24.6, 39, 744, 00 , 13:00:03, 25-Aug-2018
17, 7.96, 25.1, 38, 746, 00 , 13:15:03, 25-Aug-2018
18, 7.87, 25.7, 39, 744, 00 , 13:30:03, 25-Aug-2018
19, 7.17, 26.8, 34, 744, 00 , 13:45:03, 25-Aug-2018
20, 6.97, 28.1, 32, 744, 00 , 14:00:03, 25-Aug-2018
21, 6.71, 28.1, 30, 744, 00 , 14:15:03, 25-Aug-2018
22, 6.66, 29.5, 29, 744, 00 , 14:30:03, 25-Aug-2018
23, 5.81, 30.7, 27, 744, 00 , 14:45:03, 25-Aug-2018
24, 5.27, 32.0, 23, 744, 00 , 15:00:03, 25-Aug-2018
25, 5.44, 32.8, 23, 744, 00 , 15:15:03, 25-Aug-2018
26, 5.28, 34.1, 21, 744, 00 , 15:30:03, 25-Aug-2018
27, 5.05, 35.6, 19, 744, 00 , 15:45:03, 25-Aug-2018
28, 4.50, 36.6, 18, 744, 00 , 16:00:03, 25-Aug-2018
29, 4.59, 36.7, 17, 744, 00 , 16:15:03, 25-Aug-2018
30, 5.18, 35.8, 18, 744, 00 , 16:30:03, 25-Aug-2018
31, 5.41, 34.9, 19, 744, 00 , 16:45:03, 25-Aug-2018
32, 5.41, 35.6, 18, 744, 00 , 17:00:03, 25-Aug-2018

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"Log Period ", 00:15:00
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"Max Disp @ ", 14:19:46 25-Aug-2018
"Max STEL ", 19.664484
"Max STEL @ ", 14:33:43 25-Aug-2018
"Avg point ", 12.348074
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
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3, 15.43, 19.0, 62, 746, 00 , 09:45:03, 25-Aug-2018
4, 16.81, 20.3, 59, 746, 00 , 10:00:03, 25-Aug-2018
5, 16.34, 22.1, 54, 746, 00 , 10:15:03, 25-Aug-2018
6, 14.68, 23.8, 49, 746, 00 , 10:30:03, 25-Aug-2018
7, 14.11, 24.5, 46, 746, 00 , 10:45:03, 25-Aug-2018
8, 13.66, 24.6, 47, 746, 00 , 11:00:03, 25-Aug-2018
9, 13.80, 24.5, 47, 746, 00 , 11:15:03, 25-Aug-2018
10, 13.82, 24.7, 46, 746, 00 , 11:30:03, 25-Aug-2018
11, 14.09, 24.7, 47, 746, 00 , 11:45:03, 25-Aug-2018
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15, 9.86, 27.2, 34, 744, 00 , 12:45:03, 25-Aug-2018
16, 10.77, 27.0, 35, 744, 00 , 13:00:03, 25-Aug-2018
17, 10.96, 26.9, 36, 744, 00 , 13:15:03, 25-Aug-2018
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22, 18.83, 29.2, 31, 744, 00 , 14:30:03, 25-Aug-2018
23, 11.07, 29.5, 30, 744, 00 , 14:45:03, 25-Aug-2018
24, 9.74, 30.3, 28, 744, 00 , 15:00:03, 25-Aug-2018
25, 10.62, 31.0, 27, 744, 00 , 15:15:03, 25-Aug-2018
26, 9.66, 31.8, 26, 744, 00 , 15:30:03, 25-Aug-2018
27, 9.94, 32.8, 25, 744, 00 , 15:45:03, 25-Aug-2018
28, 10.14, 33.9, 23, 744, 00 , 16:00:03, 25-Aug-2018
29, 9.60, 34.3, 22, 744, 00 , 16:15:03, 25-Aug-2018
30, 12.53, 33.7, 23, 744, 00 , 16:30:03, 25-Aug-2018
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32, 10.46, 33.4, 23, 744, 00 , 17:00:03, 25-Aug-2018

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"Unit ", 0
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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 13:34:51 25-Aug-2018
"Max STEL ", 20.986314
"Max STEL @ ", 09:49:03 25-Aug-2018
"Avg point ", 15.126116
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
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5, 18.77, 26.4, 45, 744, 00 , 10:15:03, 25-Aug-2018
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11, 17.57, 26.0, 48, 744, 00 , 11:45:03, 25-Aug-2018
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13, 12.77, 29.7, 34, 744, 00 , 12:15:03, 25-Aug-2018
14, 13.18, 30.9, 32, 744, 00 , 12:30:03, 25-Aug-2018
15, 12.42, 31.5, 31, 744, 00 , 12:45:03, 25-Aug-2018
16, 12.54, 31.2, 31, 744, 00 , 13:00:03, 25-Aug-2018
17, 12.98, 31.0, 33, 744, 00 , 13:15:03, 25-Aug-2018
18, 12.95, 31.4, 33, 744, 00 , 13:30:03, 25-Aug-2018
19, 15.04, 31.4, 31, 742, 00 , 13:45:03, 25-Aug-2018
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22, 12.94, 32.8, 29, 742, 00 , 14:30:03, 25-Aug-2018
23, 12.06, 33.1, 29, 742, 00 , 14:45:03, 25-Aug-2018
24, 11.93, 33.3, 28, 742, 00 , 15:00:03, 25-Aug-2018
25, 12.50, 33.4, 28, 742, 00 , 15:15:03, 25-Aug-2018
26, 12.70, 32.9, 28, 742, 00 , 15:30:03, 25-Aug-2018
27, 13.43, 32.1, 30, 742, 00 , 15:45:03, 25-Aug-2018
28, 12.72, 32.2, 31, 742, 00 , 16:00:03, 25-Aug-2018
29, 12.92, 32.1, 30, 742, 00 , 16:15:03, 25-Aug-2018
30, 15.09, 31.8, 30, 742, 00 , 16:30:03, 25-Aug-2018
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DAILY OBSERVATION REPORT

Report No.:	78	Project File:	MN0832D	Date:	08/27/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Jim Burnett

Site Representative: Ashwin Ranna

Arrive at Site: 0700hrs. Leave Site: 1830 hrs.

Contractor: Recon

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Sunny, light fog	am	Sunny and Clear	Pm
Temperature:	62° F	am	87° F	Pm
Wind Direction:	6 S	am	5 S	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☒	No ☐	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 78 Project File: MN0832D Date: 08/27/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 11 Total Loads to date: 483

Weight: ~20 tons/each Total Weight to date: ~11260 Tons

Non Haz Soil Removal:

Total Loads today: 14 Total Loads to date: 280

Weight: 20 tons/each Total Weight to date: ~6642 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: Tons Total Weight to date: 175 Tons

Imported Common Fill:

Total Loads today: 17 Total Loads to date: ~1517

Weight: ~21 Tons/each Total Weight to date: ~22586Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	78	Project File:	MN0832D	Date:	08/27/2018

Summary of Events

AM

- Geosyntec arrived on site at 0700. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed work plan for the day. Recon planned to have one round item 4 delivered to site then switch to using trucks to ship out Non haz material from the MSA.
- Geosyntec calibrated and deployed dust monitors.
- Recon continued compacting the backfilled material, loaded out TSCA material and prepared to load out Non haz trucks from site. Sheet piles were cleaned and stored on top of poly in the MSA.
- Recon continued housekeeping activities around the site. Privacy fence around Conex box was taken down and panels were moved to the MSA. Water truck was run continuously till the end of day.
- Approximately 11000 gallons of water was shipped offsite in two trucks from the FRAC tanks.
- School contractor continued working on the canopy and began excavating the backfill to lay utilities in phase 1 and 2.

PM

- Recon loaded 11 TSCA trucks. Trucks were stationed over crane mats and on poly while being loaded.
- Compaction of backfill continued throughout the day.
- 14 trucks of non-hazardous material were loaded for offsite shipment. Recon plans to continue Non Haz loadout for the remainder of this week.
- Work was suspended for about an hour towards the end of the day because of lightning.
- Recon covered piles in the RPL at the end of the day. Geosyntec collected dust monitors and analyzed the data.
- Geosyntec shut down and left site around 1830.

DAILY OBSERVATION REPORT

Report No.:	78	Project File:	MN0832D	Date:	08/27/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Rich Tonnucour
- (Recon labor) X16

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- CAT 725 Haul truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date (RPL Turnover to ECSD): 8/29/18
Completion Date (MSA Turnover to STCC): TBD

ITEMS OF CONCERN:

A dust monitor to the north of the RPL had readings above 100 ug/m3. No visible dust was observed on site at the time of the reading and instrument stopped working after this reading, so monitor will be recalibrated tomorrow. Dust was controlled, and water truck was run to keep dust down till the end of the days activities.

Site Representative: Ashwin Ranna

Name (Signature):



Report No.: 78 Project File: MN0832D Date: 08/27/2018

Photo Log
Date : 08/27/2018



TSCA loadout



Staged Deconned Sheet piles



Compacted backfill in phase 3



Covering piles at end of the day.

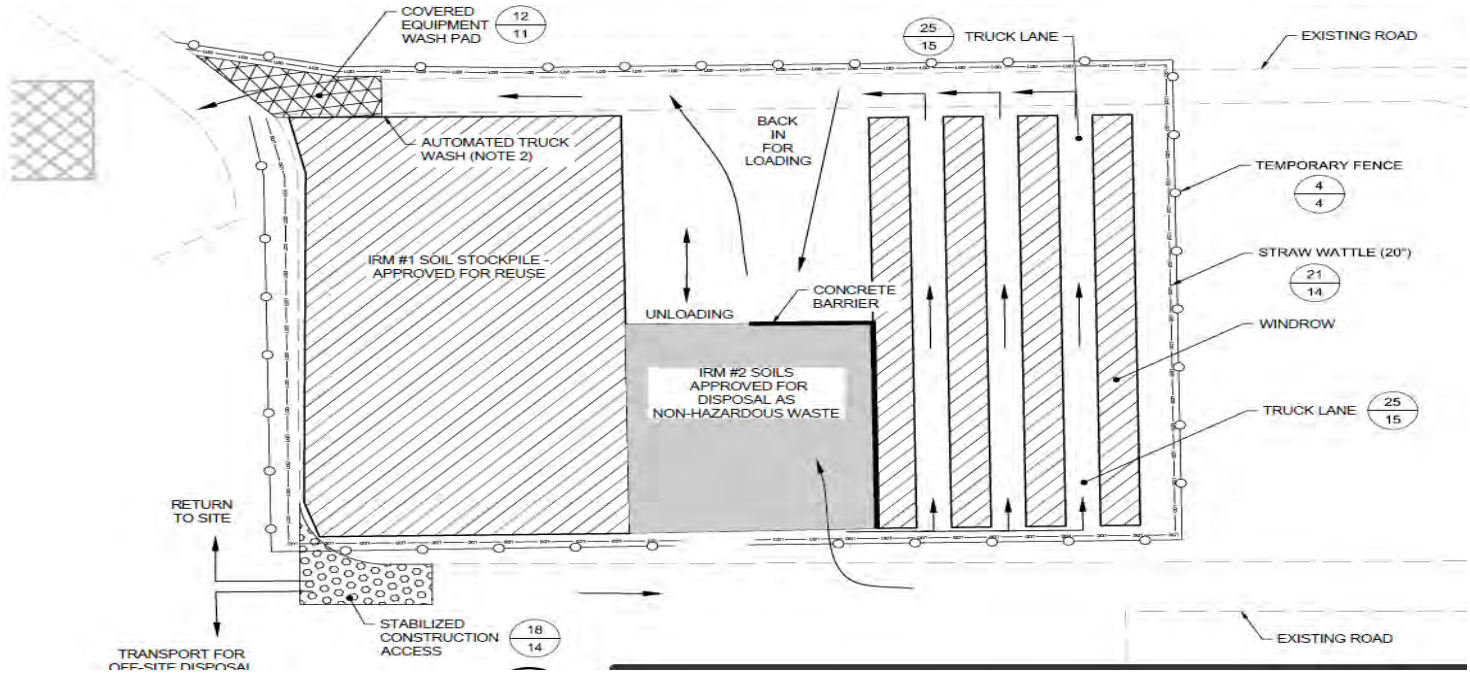
Report No.:	78	Project File:	MN0832D	Date:	08/27/2018

Site Map

Rear Parking Lot

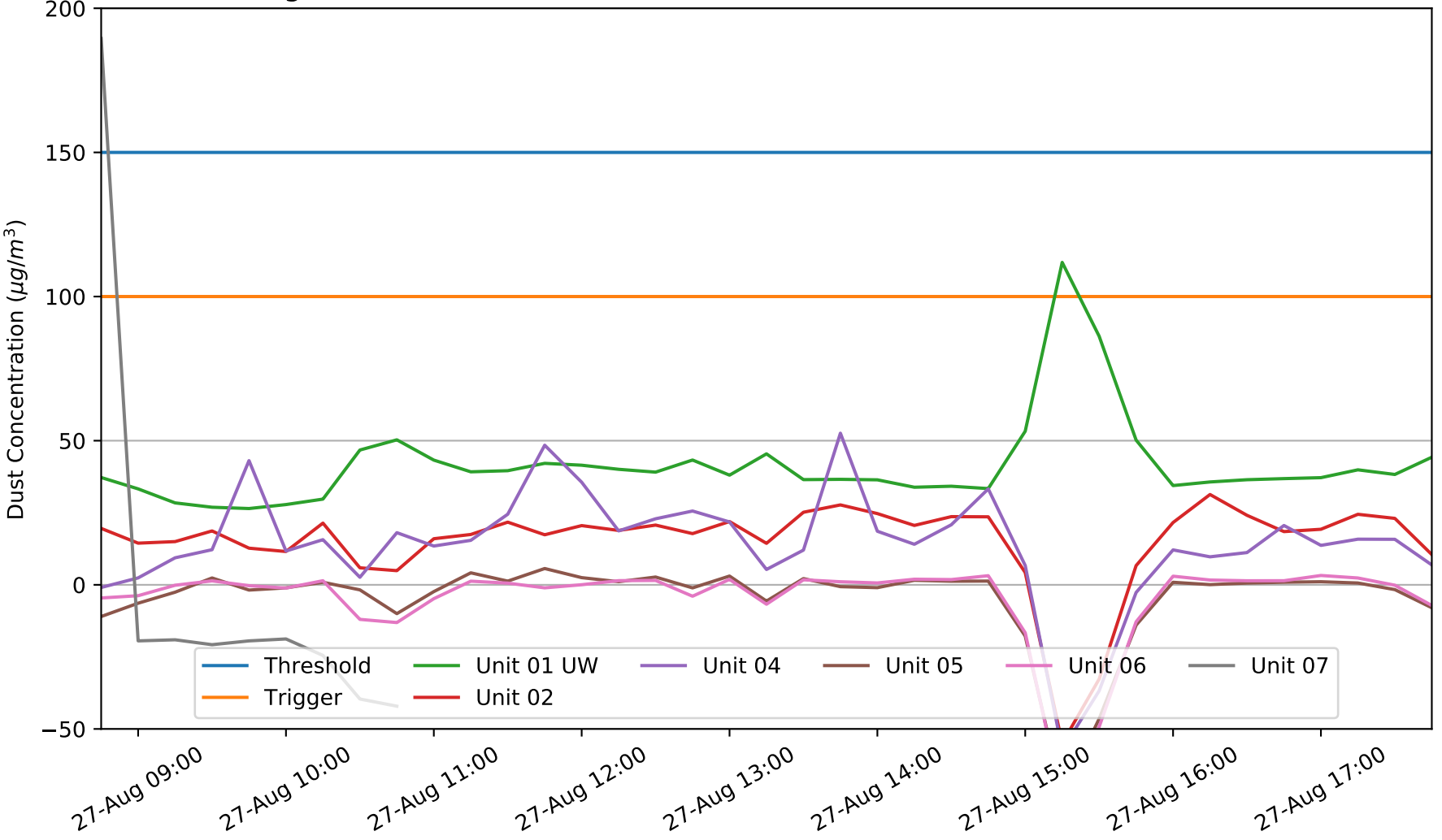


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 27-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 27-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 01 UW	Unit 05	Unit 02	Unit 07	Unit 06	Unit 04	Threshold	Trigger
2018-08-27 08:45:00	37.23	-11	19.57	189.53	-4.56	-0.92	150	100
2018-08-27 09:00:00	33.28	-6.38	14.45	-19.45	-3.78	2.4	150	100
2018-08-27 09:15:00	28.42	-2.56	14.99	-19.07	-0.15	9.37	150	100
2018-08-27 09:30:00	26.91	2.38	18.69	-20.77	1.37	12.18	150	100
2018-08-27 09:45:00	26.46	-1.82	12.71	-19.45	-0.3	43.08	150	100
2018-08-27 10:00:00	27.84	-1.06	11.55	-18.78	-1.12	11.72	150	100
2018-08-27 10:15:00	29.73	0.89	21.41	-24.5	1.42	15.66	150	100
2018-08-27 10:30:00	46.76	-1.75	5.9	-39.61	-11.99	2.61	150	100
2018-08-27 10:45:00	50.3	-10	4.91	-42.1	-13.09	18.09	150	100
2018-08-27 11:00:00	43.26	-2.35	15.99		-4.81	13.46	150	100
2018-08-27 11:15:00	39.2	4.16	17.46		1.26	15.43	150	100
2018-08-27 11:30:00	39.59	1.28	21.74		0.58	24.49	150	100
2018-08-27 11:45:00	42.14	5.65	17.36		-1.05	48.43	150	100
2018-08-27 12:00:00	41.49	2.49	20.54		0.03	35.59	150	100
2018-08-27 12:15:00	40.07	1.08	18.86		1.44	18.7	150	100
2018-08-27 12:30:00	39.09	2.7	20.72		1.52	22.91	150	100
2018-08-27 12:45:00	43.29	-1.07	17.76		-3.96	25.6	150	100
2018-08-27 13:00:00	38.04	3.04	21.95		1.88	21.81	150	100
2018-08-27 13:15:00	45.43	-5.64	14.39		-6.73	5.32	150	100
2018-08-27 13:30:00	36.49	2.16	25.17		1.74	12.04	150	100
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2018-08-27 14:15:00	33.85	1.57	20.6		1.94	14.06	150	100
2018-08-27 14:30:00	34.2	1.25	23.65		1.82	20.83	150	100
2018-08-27 14:45:00	33.38	1.3	23.59		3.16	33.27	150	100
2018-08-27 15:00:00	53.28	-17.78	4.24		-16.63	6.69	150	100
2018-08-27 15:15:00	111.85	-73.18	-54.97		-74.97	-57.28	150	100
2018-08-27 15:30:00	86.24	-46.48	-32.7		-49.27	-36.77	150	100
2018-08-27 15:45:00	50.21	-13.99	6.66		-12.84	-2.66	150	100
2018-08-27 16:00:00	34.43	0.88	21.61		2.99	12.11	150	100
2018-08-27 16:15:00	35.68	0.06	31.33		1.66	9.71	150	100
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2018-08-27 16:45:00	36.84	0.9	18.46		1.42	20.58	150	100
2018-08-27 17:00:00	37.17	1.07	19.27		3.24	13.68	150	100
2018-08-27 17:15:00	39.89	0.63	24.46		2.37	15.83	150	100
2018-08-27 17:30:00	38.28	-1.66	23.05		-0.14	15.79	150	100
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12, 40.87, 34.9, 45, 740, 00 , 11:30:03, 27-Aug-2018
13, 47.79, 33.9, 47, 740, 00 , 11:45:03, 27-Aug-2018
14, 43.98, 33.4, 48, 740, 00 , 12:00:03, 27-Aug-2018
15, 41.15, 33.8, 46, 740, 00 , 12:15:03, 27-Aug-2018
16, 41.79, 34.6, 46, 740, 00 , 12:30:03, 27-Aug-2018
17, 42.22, 35.2, 43, 740, 00 , 12:45:03, 27-Aug-2018
18, 41.08, 35.6, 42, 740, 00 , 13:00:03, 27-Aug-2018
19, 39.79, 35.8, 40, 740, 00 , 13:15:03, 27-Aug-2018
20, 38.65, 36.1, 41, 740, 00 , 13:30:03, 27-Aug-2018
21, 35.95, 36.3, 40, 740, 00 , 13:45:03, 27-Aug-2018
22, 35.43, 35.6, 39, 740, 00 , 14:00:03, 27-Aug-2018
23, 35.42, 35.3, 40, 740, 00 , 14:15:03, 27-Aug-2018
24, 35.45, 35.0, 41, 740, 00 , 14:30:03, 27-Aug-2018
25, 34.68, 34.9, 40, 740, 00 , 14:45:03, 27-Aug-2018
26, 35.50, 34.7, 41, 740, 00 , 15:00:03, 27-Aug-2018
27, 38.67, 34.5, 43, 740, 00 , 15:15:03, 27-Aug-2018
28, 39.76, 34.3, 44, 740, 00 , 15:30:03, 27-Aug-2018
29, 36.22, 34.6, 43, 740, 00 , 15:45:03, 27-Aug-2018
30, 35.31, 35.0, 42, 740, 00 , 16:00:03, 27-Aug-2018
31, 35.74, 35.0, 42, 740, 00 , 16:15:03, 27-Aug-2018
32, 37.08, 34.4, 45, 740, 00 , 16:30:03, 27-Aug-2018
33, 37.74, 33.7, 46, 740, 00 , 16:45:03, 27-Aug-2018
34, 38.24, 33.5, 47, 740, 00 , 17:00:03, 27-Aug-2018
35, 40.52, 32.9, 51, 740, 00 , 17:15:03, 27-Aug-2018
36, 36.62, 31.1, 54, 740, 00 , 17:30:03, 27-Aug-2018
37, 36.31, 30.2, 58, 740, 00 , 17:45:03, 27-Aug-2018

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"Max STEL ", 68.665023
"Max STEL @ ", 17:19:23 27-Aug-2018
"Avg point ", 56.390715
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"ALARM_LEVEL(mg) ", 0.100000
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2, 47.73, 19.7, 71, 742, 00 , 09:00:03, 27-Aug-2018
3, 43.41, 20.5, 71, 742, 00 , 09:15:03, 27-Aug-2018
4, 45.60, 21.1, 68, 742, 00 , 09:30:03, 27-Aug-2018
5, 39.17, 21.7, 68, 742, 00 , 09:45:03, 27-Aug-2018
6, 39.39, 22.5, 66, 742, 00 , 10:00:03, 27-Aug-2018
7, 51.14, 23.3, 62, 742, 00 , 10:15:03, 27-Aug-2018
8, 52.66, 24.3, 61, 742, 00 , 10:30:03, 27-Aug-2018
9, 55.21, 25.8, 57, 742, 00 , 10:45:03, 27-Aug-2018
10, 59.25, 27.8, 53, 742, 00 , 11:00:03, 27-Aug-2018
11, 56.66, 29.9, 49, 742, 00 , 11:15:03, 27-Aug-2018
12, 61.33, 31.8, 42, 742, 00 , 11:30:03, 27-Aug-2018
13, 59.50, 32.5, 40, 742, 00 , 11:45:03, 27-Aug-2018
14, 62.03, 32.9, 37, 742, 00 , 12:00:03, 27-Aug-2018
15, 58.93, 33.2, 34, 742, 00 , 12:15:03, 27-Aug-2018
16, 59.81, 34.0, 32, 742, 00 , 12:30:03, 27-Aug-2018
17, 61.05, 34.7, 28, 742, 00 , 12:45:03, 27-Aug-2018
18, 59.99, 35.6, 27, 742, 00 , 13:00:03, 27-Aug-2018
19, 59.82, 36.3, 24, 742, 00 , 13:15:03, 27-Aug-2018
20, 61.66, 36.7, 24, 742, 00 , 13:30:03, 27-Aug-2018
21, 64.31, 37.4, 22, 742, 00 , 13:45:03, 27-Aug-2018
22, 61.13, 37.4, 21, 742, 00 , 14:00:03, 27-Aug-2018
23, 54.45, 37.6, 20, 742, 00 , 14:15:03, 27-Aug-2018
24, 57.85, 38.6, 20, 742, 00 , 14:30:03, 27-Aug-2018
25, 56.97, 39.1, 19, 742, 00 , 14:45:03, 27-Aug-2018
26, 57.52, 38.6, 21, 742, 00 , 15:00:03, 27-Aug-2018
27, 56.88, 37.3, 25, 742, 00 , 15:15:03, 27-Aug-2018
28, 53.54, 36.8, 29, 742, 00 , 15:30:03, 27-Aug-2018
29, 56.87, 38.3, 25, 742, 00 , 15:45:03, 27-Aug-2018
30, 56.04, 40.8, 18, 742, 00 , 16:00:03, 27-Aug-2018
31, 67.01, 39.4, 19, 740, 00 , 16:15:03, 27-Aug-2018
32, 60.57, 37.4, 23, 740, 00 , 16:30:03, 27-Aug-2018
33, 55.30, 35.9, 26, 740, 00 , 16:45:03, 27-Aug-2018
34, 56.44, 35.9, 28, 740, 00 , 17:00:03, 27-Aug-2018
35, 64.35, 35.3, 33, 740, 00 , 17:15:03, 27-Aug-2018
36, 61.33, 33.2, 35, 740, 00 , 17:30:03, 27-Aug-2018
37, 54.76, 32.7, 39, 740, 00 , 17:45:03, 27-Aug-2018

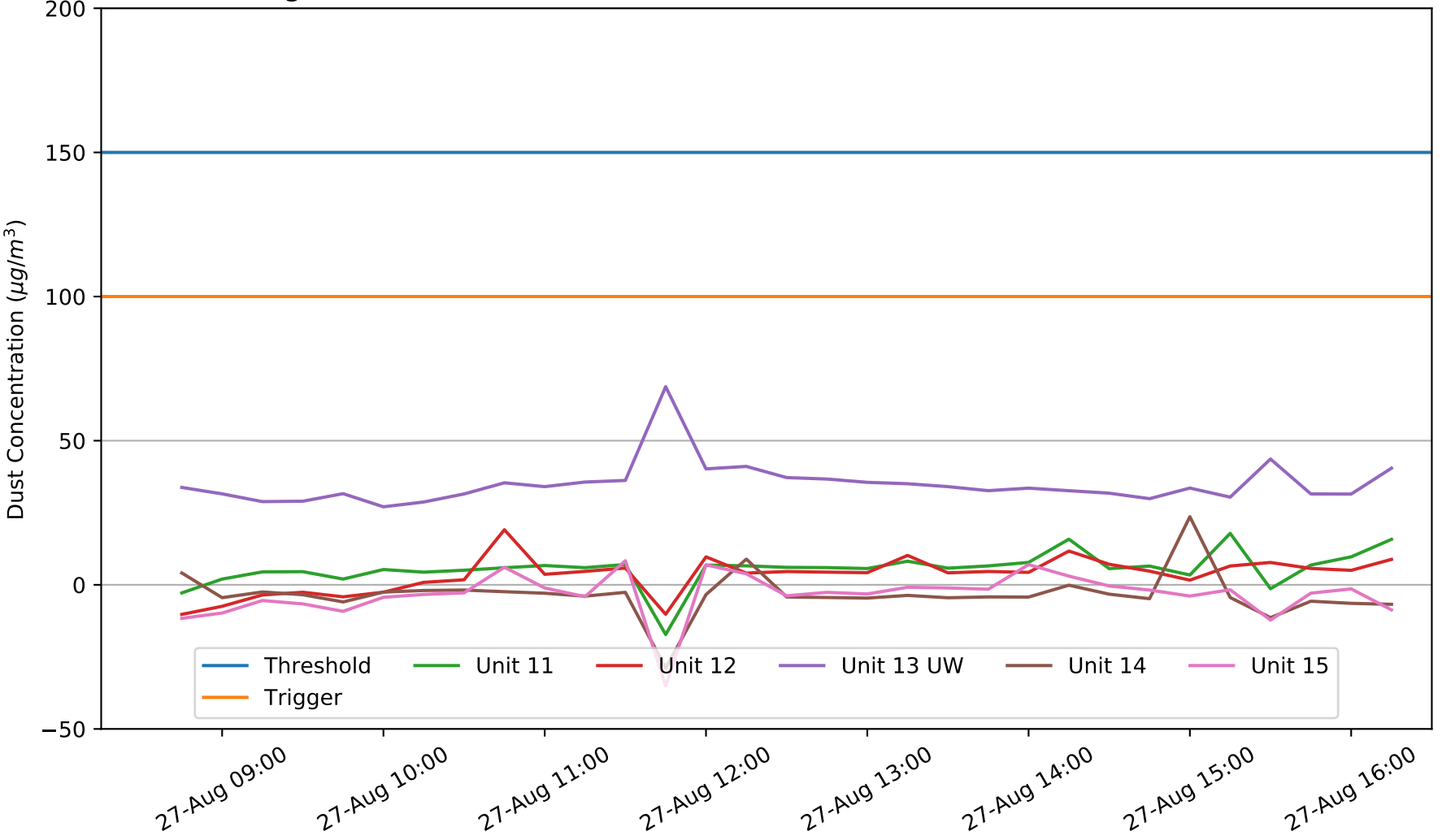
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"Max Disp @ ", 08:30:08 27-Aug-2018
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"Max STEL @ ", 08:45:03 27-Aug-2018
"Avg point ", 32.525277
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
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"FlowRate ", 1.200000
"Site Name ", "Factory default"
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2, 13.83, 23.9, 67, 742, 01 , 09:00:03, 27-Aug-2018
3, 9.35, 26.0, 66, 742, 01 , 09:15:03, 27-Aug-2018
4, 6.14, 27.8, 62, 742, 01 , 09:30:03, 27-Aug-2018
5, 7.01, 29.5, 59, 742, 01 , 09:45:03, 27-Aug-2018
6, 9.06, 31.1, 56, 742, 01 , 10:00:03, 27-Aug-2018
7, 5.23, 32.6, 53, 742, 01 , 10:15:03, 27-Aug-2018
8, 7.15, 34.0, 51, 742, 01 , 10:30:03, 27-Aug-2018
9, 8.20, 35.5, 49, 742, 01 , 10:45:03, 27-Aug-2018

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 11:14:34 27-Aug-2018
"Max STEL ", 42.437983
"Max STEL @ ", 17:16:13 27-Aug-2018
"Avg point ", 36.606357
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 32.67, 22.3, 73, 740, 01 , 08:45:03, 27-Aug-2018
2, 29.50, 23.1, 73, 742, 00 , 09:00:03, 27-Aug-2018
3, 28.27, 23.9, 72, 742, 00 , 09:15:03, 27-Aug-2018
4, 28.28, 24.3, 71, 742, 00 , 09:30:03, 27-Aug-2018
5, 26.16, 24.7, 70, 742, 00 , 09:45:03, 27-Aug-2018
6, 26.72, 25.5, 69, 742, 00 , 10:00:03, 27-Aug-2018
7, 31.15, 27.5, 62, 740, 00 , 10:15:03, 27-Aug-2018
8, 34.77, 29.8, 55, 740, 00 , 10:30:03, 27-Aug-2018
9, 37.21, 32.0, 51, 740, 00 , 10:45:03, 27-Aug-2018
10, 38.45, 34.4, 47, 740, 00 , 11:00:03, 27-Aug-2018
11, 40.46, 35.8, 43, 740, 00 , 11:15:03, 27-Aug-2018
12, 40.17, 36.0, 42, 740, 00 , 11:30:03, 27-Aug-2018
13, 41.09, 35.0, 43, 740, 00 , 11:45:03, 27-Aug-2018
14, 41.52, 34.5, 44, 740, 00 , 12:00:03, 27-Aug-2018
15, 41.51, 35.1, 42, 740, 00 , 12:15:03, 27-Aug-2018
16, 40.61, 35.7, 41, 740, 00 , 12:30:03, 27-Aug-2018
17, 39.33, 36.2, 39, 740, 00 , 12:45:03, 27-Aug-2018
18, 39.92, 37.0, 37, 740, 00 , 13:00:03, 27-Aug-2018
19, 38.70, 37.1, 36, 740, 00 , 13:15:03, 27-Aug-2018
20, 38.23, 37.6, 35, 740, 00 , 13:30:03, 27-Aug-2018
21, 37.65, 37.8, 34, 740, 00 , 13:45:03, 27-Aug-2018
22, 37.07, 37.8, 33, 740, 00 , 14:00:03, 27-Aug-2018
23, 35.79, 37.9, 33, 740, 00 , 14:15:03, 27-Aug-2018
24, 36.02, 38.6, 32, 738, 00 , 14:30:03, 27-Aug-2018
25, 36.54, 38.4, 32, 738, 00 , 14:45:03, 27-Aug-2018
26, 36.65, 37.6, 35, 738, 00 , 15:00:03, 27-Aug-2018
27, 36.88, 36.7, 38, 738, 00 , 15:15:03, 27-Aug-2018
28, 36.97, 36.1, 40, 738, 00 , 15:30:03, 27-Aug-2018
29, 37.37, 36.3, 39, 738, 00 , 15:45:03, 27-Aug-2018
30, 37.42, 36.5, 37, 738, 00 , 16:00:03, 27-Aug-2018
31, 37.34, 35.7, 38, 738, 00 , 16:15:03, 27-Aug-2018
32, 37.86, 34.5, 42, 738, 00 , 16:30:03, 27-Aug-2018
33, 38.26, 34.2, 44, 738, 00 , 16:45:03, 27-Aug-2018
34, 40.41, 34.4, 48, 738, 00 , 17:00:03, 27-Aug-2018
35, 42.26, 33.6, 50, 738, 00 , 17:15:03, 27-Aug-2018
36, 38.14, 31.0, 54, 740, 00 , 17:30:03, 27-Aug-2018
37, 37.10, 30.4, 57, 738, 00 , 17:45:03, 27-Aug-2018

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 13:44:51 27-Aug-2018
"Max STEL ", 99.161720
"Max STEL @ ", 11:46:53 27-Aug-2018
"Avg point ", 55.327325
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
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1, 36.31, 21.9, 78, 742, 01 , 08:45:03, 27-Aug-2018
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3, 37.79, 23.9, 77, 742, 00 , 09:15:03, 27-Aug-2018
4, 39.09, 24.6, 75, 742, 00 , 09:30:03, 27-Aug-2018
5, 69.54, 25.1, 74, 742, 00 , 09:45:03, 27-Aug-2018
6, 39.56, 25.9, 72, 742, 00 , 10:00:03, 27-Aug-2018
7, 45.39, 28.0, 66, 742, 00 , 10:15:03, 27-Aug-2018
8, 49.37, 30.7, 59, 742, 00 , 10:30:03, 27-Aug-2018
9, 68.39, 33.3, 52, 742, 00 , 10:45:03, 27-Aug-2018
10, 56.72, 35.2, 47, 742, 00 , 11:00:03, 27-Aug-2018
11, 54.63, 37.0, 44, 742, 00 , 11:15:03, 27-Aug-2018
12, 64.08, 38.2, 41, 742, 00 , 11:30:03, 27-Aug-2018
13, 90.57, 37.4, 41, 740, 00 , 11:45:03, 27-Aug-2018
14, 77.08, 37.1, 41, 742, 00 , 12:00:03, 27-Aug-2018
15, 58.77, 38.0, 38, 742, 00 , 12:15:03, 27-Aug-2018
16, 62.00, 39.6, 36, 742, 00 , 12:30:03, 27-Aug-2018
17, 68.89, 40.9, 32, 742, 01 , 12:45:03, 27-Aug-2018
18, 59.85, 42.3, 30, 742, 00 , 13:00:03, 27-Aug-2018
19, 50.75, 42.8, 29, 742, 00 , 13:15:03, 27-Aug-2018
20, 48.53, 43.1, 29, 742, 00 , 13:30:03, 27-Aug-2018
21, 89.19, 43.8, 28, 740, 00 , 13:45:03, 27-Aug-2018
22, 55.00, 43.6, 27, 740, 00 , 14:00:03, 27-Aug-2018
23, 47.91, 44.0, 26, 740, 00 , 14:15:03, 27-Aug-2018
24, 55.03, 44.5, 26, 740, 00 , 14:30:03, 27-Aug-2018
25, 66.65, 44.2, 26, 740, 00 , 14:45:03, 27-Aug-2018
26, 59.97, 42.8, 28, 740, 00 , 15:00:03, 27-Aug-2018
27, 54.57, 41.1, 31, 740, 00 , 15:15:03, 27-Aug-2018
28, 49.47, 40.1, 35, 740, 00 , 15:30:03, 27-Aug-2018
29, 47.55, 40.9, 33, 740, 00 , 15:45:03, 27-Aug-2018
30, 46.54, 43.4, 28, 740, 00 , 16:00:03, 27-Aug-2018
31, 45.39, 42.6, 29, 740, 00 , 16:15:03, 27-Aug-2018
32, 47.65, 40.6, 32, 740, 00 , 16:30:03, 27-Aug-2018
33, 57.42, 39.1, 35, 740, 00 , 16:45:03, 27-Aug-2018
34, 50.85, 38.8, 36, 740, 00 , 17:00:03, 27-Aug-2018
35, 55.72, 37.8, 42, 740, 00 , 17:15:03, 27-Aug-2018
36, 54.07, 35.3, 45, 740, 00 , 17:30:03, 27-Aug-2018
37, 51.16, 34.2, 49, 740, 00 , 17:45:03, 27-Aug-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 27-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 27-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 15	Unit 12	Unit 14	Unit 13 UW	Unit 11	Threshold	Trigger
2018-08-27 08:15:00						150	100
2018-08-27 08:30:00						150	100
2018-08-27 08:45:00	-11.64	-10.26	4.11	33.78	-2.81	150	100
2018-08-27 09:00:00	-9.78	-7.45	-4.46	31.55	1.99	150	100
2018-08-27 09:15:00	-5.45	-3.51	-2.47	28.86	4.49	150	100
2018-08-27 09:30:00	-6.62	-2.58	-3.44	29	4.56	150	100
2018-08-27 09:45:00	-9.19	-4.17	-5.94	31.62	2	150	100
2018-08-27 10:00:00	-4.33	-2.56	-2.52	27.06	5.3	150	100
2018-08-27 10:15:00	-3.34	0.85	-1.97	28.73	4.39	150	100
2018-08-27 10:30:00	-2.78	1.74	-1.82	31.52	5.06	150	100
2018-08-27 10:45:00	6.1	19.1	-2.39	35.38	5.92	150	100
2018-08-27 11:00:00	-1.09	3.64	-2.92	34.06	6.69	150	100
2018-08-27 11:15:00	-4.12	4.66	-3.93	35.65	5.95	150	100
2018-08-27 11:30:00	8.36	5.82	-2.61	36.21	7.04	150	100
2018-08-27 11:45:00	-35.11	-10.22	-28.86	68.74	-17.24	150	100
2018-08-27 12:00:00	6.93	9.69	-3.39	40.22	6.84	150	100
2018-08-27 12:15:00	3.83	4.06	8.91	41.07	6.58	150	100
2018-08-27 12:30:00	-3.81	4.6	-4.21	37.2	6.06	150	100
2018-08-27 12:45:00	-2.62	4.4	-4.4	36.69	5.97	150	100
2018-08-27 13:00:00	-3.17	4.21	-4.6	35.55	5.65	150	100
2018-08-27 13:15:00	-0.86	10.2	-3.67	35.06	8.18	150	100
2018-08-27 13:30:00	-1.09	4.16	-4.49	34.06	5.78	150	100
2018-08-27 13:45:00	-1.53	4.62	-4.2	32.66	6.55	150	100
2018-08-27 14:00:00	7.02	4.32	-4.25	33.53	7.77	150	100
2018-08-27 14:15:00	3.02	11.71	-0.13	32.65	15.83	150	100
2018-08-27 14:30:00	-0.4	7.12	-3.25	31.79	5.61	150	100
2018-08-27 14:45:00	-1.81	4.74	-4.81	29.88	6.5	150	100
2018-08-27 15:00:00	-3.9	1.62	23.63	33.56	3.4	150	100
2018-08-27 15:15:00	-1.71	6.53	-4.41	30.41	17.85	150	100
2018-08-27 15:30:00	-12.23	7.75	-11.39	43.63	-1.36	150	100
2018-08-27 15:45:00	-2.9	5.68	-5.69	31.53	6.86	150	100
2018-08-27 16:00:00	-1.42	5.02	-6.43	31.48	9.7	150	100
2018-08-27 16:15:00	-8.68	8.82	-6.77	40.46	15.77	150	100
2018-08-27 16:30:00						150	100

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"FlowRate   ", 1.200000
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3, 22.14, 20.0, 77, 742, 00 , 08:45:03, 27-Aug-2018
4, 21.77, 20.9, 75, 742, 00 , 09:00:03, 27-Aug-2018
5, 23.41, 21.8, 73, 742, 00 , 09:15:03, 27-Aug-2018
6, 22.38, 22.3, 71, 742, 00 , 09:30:03, 27-Aug-2018
7, 22.43, 22.8, 69, 744, 00 , 09:45:03, 27-Aug-2018
8, 22.73, 23.6, 68, 742, 00 , 10:00:03, 27-Aug-2018
9, 25.39, 25.0, 63, 742, 00 , 10:15:03, 27-Aug-2018
10, 28.74, 26.5, 59, 742, 00 , 10:30:03, 27-Aug-2018
11, 41.48, 27.9, 56, 742, 00 , 10:45:03, 27-Aug-2018
12, 32.97, 29.4, 54, 742, 00 , 11:00:03, 27-Aug-2018
13, 31.53, 31.1, 51, 742, 00 , 11:15:03, 27-Aug-2018
14, 44.57, 32.4, 46, 742, 00 , 11:30:03, 27-Aug-2018
15, 33.63, 32.9, 43, 742, 00 , 11:45:03, 27-Aug-2018
16, 47.15, 33.0, 42, 742, 00 , 12:00:03, 27-Aug-2018
17, 44.90, 33.2, 43, 742, 00 , 12:15:03, 27-Aug-2018
18, 33.39, 34.0, 39, 742, 00 , 12:30:03, 27-Aug-2018
19, 34.07, 34.1, 37, 742, 00 , 12:45:03, 27-Aug-2018
20, 32.38, 34.6, 36, 742, 00 , 13:00:03, 27-Aug-2018
21, 34.20, 35.0, 33, 742, 00 , 13:15:03, 27-Aug-2018
22, 32.97, 35.2, 34, 742, 00 , 13:30:03, 27-Aug-2018
23, 31.13, 35.7, 32, 742, 00 , 13:45:03, 27-Aug-2018
24, 40.55, 35.7, 31, 742, 00 , 14:00:03, 27-Aug-2018
25, 35.67, 36.3, 30, 742, 00 , 14:15:03, 27-Aug-2018
26, 31.39, 37.3, 28, 742, 00 , 14:30:03, 27-Aug-2018
27, 28.07, 37.9, 29, 740, 00 , 14:45:03, 27-Aug-2018
28, 29.66, 38.3, 33, 740, 00 , 15:00:03, 27-Aug-2018
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4, 26.42, 21.0, 75, 744, 00 , 09:30:03, 27-Aug-2018
5, 27.45, 21.3, 74, 744, 00 , 09:45:03, 27-Aug-2018
6, 24.50, 22.1, 72, 744, 00 , 10:00:03, 27-Aug-2018
7, 29.58, 24.8, 66, 744, 00 , 10:15:03, 27-Aug-2018
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11, 40.31, 34.1, 44, 742, 00 , 11:15:03, 27-Aug-2018
12, 42.03, 34.2, 44, 742, 00 , 11:30:03, 27-Aug-2018
13, 58.52, 33.2, 45, 742, 00 , 11:45:03, 27-Aug-2018
14, 49.91, 33.0, 46, 742, 00 , 12:00:03, 27-Aug-2018
15, 45.13, 33.4, 43, 742, 00 , 12:15:03, 27-Aug-2018
16, 41.80, 33.8, 43, 742, 00 , 12:30:03, 27-Aug-2018
17, 41.09, 34.8, 40, 742, 00 , 12:45:03, 27-Aug-2018
18, 39.76, 35.6, 38, 742, 01 , 13:00:03, 27-Aug-2018
19, 45.26, 36.2, 36, 742, 00 , 13:15:03, 27-Aug-2018
20, 38.22, 36.7, 36, 742, 00 , 13:30:03, 27-Aug-2018
21, 37.28, 36.9, 35, 742, 00 , 13:45:03, 27-Aug-2018
22, 37.85, 36.5, 35, 742, 00 , 14:00:03, 27-Aug-2018
23, 44.36, 36.6, 35, 742, 00 , 14:15:03, 27-Aug-2018
24, 38.91, 37.0, 35, 742, 00 , 14:30:03, 27-Aug-2018
25, 34.62, 37.3, 34, 742, 00 , 14:45:03, 27-Aug-2018
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28, 51.38, 34.6, 41, 742, 00 , 15:30:03, 27-Aug-2018
29, 37.21, 34.8, 41, 742, 00 , 15:45:03, 27-Aug-2018
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"Max STEL   ", 57.436905
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3, 26.39, 21.1, 73, 744, 00 , 09:15:03, 27-Aug-2018
4, 25.56, 21.6, 72, 744, 00 , 09:30:03, 27-Aug-2018
5, 25.68, 22.2, 70, 744, 00 , 09:45:03, 27-Aug-2018
6, 24.54, 22.7, 69, 744, 00 , 10:00:03, 27-Aug-2018
7, 26.76, 23.3, 68, 744, 00 , 10:15:03, 27-Aug-2018
8, 29.70, 23.7, 67, 744, 00 , 10:30:03, 27-Aug-2018
9, 32.99, 24.4, 66, 742, 00 , 10:45:03, 27-Aug-2018
10, 31.14, 25.4, 65, 742, 00 , 11:00:03, 27-Aug-2018
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19, 31.39, 33.2, 35, 742, 00 , 13:15:03, 27-Aug-2018
20, 29.57, 33.5, 35, 742, 00 , 13:30:03, 27-Aug-2018
21, 28.46, 34.2, 33, 742, 00 , 13:45:03, 27-Aug-2018
22, 29.28, 34.4, 31, 742, 00 , 14:00:03, 27-Aug-2018
23, 32.52, 35.0, 30, 742, 00 , 14:15:03, 27-Aug-2018
24, 28.54, 36.0, 29, 742, 00 , 14:30:03, 27-Aug-2018
25, 25.07, 37.1, 29, 740, 00 , 14:45:03, 27-Aug-2018
26, 57.19, 37.4, 33, 740, 00 , 15:00:03, 27-Aug-2018
27, 26.00, 36.5, 34, 740, 00 , 15:15:03, 27-Aug-2018
28, 32.24, 36.1, 37, 740, 00 , 15:30:03, 27-Aug-2018
29, 25.84, 37.6, 32, 740, 00 , 15:45:03, 27-Aug-2018
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"Max STEL   ", 71.164575
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"Avg point ", 34.954133
"ALARM   ", "INSTANT "
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"Errors   ", 0000
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3, 28.86, 24.4, 70, 740, 00 , 09:15:03, 27-Aug-2018
4, 29.00, 25.2, 69, 740, 00 , 09:30:03, 27-Aug-2018
5, 31.62, 25.8, 68, 742, 00 , 09:45:03, 27-Aug-2018
6, 27.06, 26.7, 67, 742, 00 , 10:00:03, 27-Aug-2018
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13, 68.74, 37.9, 46, 740, 00 , 11:45:03, 27-Aug-2018
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22, 33.53, 40.6, 37, 740, 00 , 14:00:03, 27-Aug-2018
23, 32.65, 40.7, 37, 740, 00 , 14:15:03, 27-Aug-2018
24, 31.79, 41.1, 34, 740, 00 , 14:30:03, 27-Aug-2018
25, 29.88, 41.6, 29, 740, 00 , 14:45:03, 27-Aug-2018
26, 33.56, 41.3, 32, 740, 00 , 15:00:03, 27-Aug-2018
27, 30.41, 40.2, 40, 740, 00 , 15:15:03, 27-Aug-2018
28, 43.63, 39.5, 43, 740, 00 , 15:30:03, 27-Aug-2018
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"RH CORRECT ", "ENABLED "
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"Max STEL   ", 59.880323
"Max STEL @ ", 16:14:53 27-Aug-2018
"Avg point ", 40.496397
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
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4, 33.56, 23.9, 68, 742, 00 , 09:30:03, 27-Aug-2018
5, 33.62, 24.2, 68, 742, 00 , 09:45:03, 27-Aug-2018
6, 32.36, 25.0, 67, 742, 00 , 10:00:03, 27-Aug-2018
7, 33.12, 27.4, 61, 742, 00 , 10:15:03, 27-Aug-2018
8, 36.58, 30.7, 53, 742, 00 , 10:30:03, 27-Aug-2018
9, 41.30, 33.4, 46, 742, 00 , 10:45:03, 27-Aug-2018
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21, 39.21, 38.7, 32, 740, 00 , 13:45:03, 27-Aug-2018
22, 41.30, 38.5, 31, 740, 00 , 14:00:03, 27-Aug-2018
23, 48.48, 38.7, 31, 740, 00 , 14:15:03, 27-Aug-2018
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26, 36.96, 39.3, 31, 740, 00 , 15:00:03, 27-Aug-2018
27, 48.26, 38.2, 33, 740, 00 , 15:15:03, 27-Aug-2018
28, 42.27, 37.2, 35, 740, 00 , 15:30:03, 27-Aug-2018
29, 38.39, 37.3, 35, 740, 00 , 15:45:03, 27-Aug-2018
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DAILY OBSERVATION REPORT

Report No.:	79	Project File:	MN0832D	Date:	08/28/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Jim Burnett

Site Representative: Ashwin Ranna

Arrive at Site: 0645hrs. Leave Site: 1745hrs.

Contractor: Recon

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Sunny, light fog	am	Sunny and Clear	Pm
Temperature:	68° F	am	91° F	Pm
Wind Direction:	10 W	am	13 W	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 79 Project File: MN0832D Date: 08/28/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 19 Total Loads to date: 502

Weight: ~20 tons/each Total Weight to date: ~11700Tons

Non Haz Soil Removal:

Total Loads today: 18 Total Loads to date: 298

Weight: 20 tons/each Total Weight to date: ~7088Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: Tons Total Weight to date: 175 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1517

Weight: ~21 Tons/each Total Weight to date: ~22586Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	79	Project File:	MN0832D	Date:	08/28/2018

Summary of Events

AM

- Geosyntec arrived on site at 0645. Calibrated and configured dust monitors. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed work plan for the day. Recon planned to move TSCA, move Non Haz material, continue housekeeping, and continue compaction efforts in phase 3.
- Geosyntec deployed dust monitors and signed manifests for Non Haz materials. 2 trucks of water totaling about 11000 gallons were shipped offsite from the MSA Frac tanks.
- Geosyntec and Recon attended the progress meeting from 0930 to 1030.
- Recon continued compacting the backfilled material, loaded out TSCA material and loaded Non haz trucks from MSA. Sheet piles cleaning was completed, and piles were stored on top of poly in the MSA.
- Recon continued housekeeping activities around the site. Water truck was run continuously till the end of day.
- School contractor continued working on the canopy and began excavating the backfill to lay utilities in phase 1 and 2.
- Equipment demobilization from site began. Dewatering pumps, a forklift and a Bo-Mag compactor was taken offsite.

PM

- Recon loaded 19 TSCA trucks. Trucks were stationed over crane mats and on poly while being loaded.
- Extra Concrete blocks that were used to contain the TSCA pile were moved out of the RPL into the MSA.
- Scarring soil to reduce moisture and compaction of backfill continued throughout the day.
- 18 trucks of non-hazardous material were loaded for offsite shipment. Recon plans to continue Non Haz loadout for the remainder of this week.
- Recon covered piles in the RPL and MSA at the end of the day. Geosyntec collected dust monitors and analyzed the data.
- Patrick Carr arrived on site around 1400.
- Scott Williams from NYSDEC was on site around 1500. He inspected progress and left site around 1630.
- Geosyntec shut down and left site around 1730.

Report No.: 79 Project File: MN0832D Date: 08/28/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Rich Tonnucour
- Patrick Carr
- (Recon labor) X16

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- CAT 725 Haul truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller
- Site F250
- Bomag BW 211 DH

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	NYSDEC	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date (RPL Turnover to ECSD): 8/29/18
Completion Date (MSA Turnover to STCC): TBD

ITEMS OF CONCERN:

Site Representative: Ashwin Ranna

Name (Signature):



Report No.: 79 Project File: MN0832D Date: 08/28/2018

Photo Log
Date : 08/28/2018



Loadout of Non Haz material



Demobilizing equipment



Decon of Non haz trucks



Poly placed to load out TSCA material

DAILY OBSERVATION REPORT

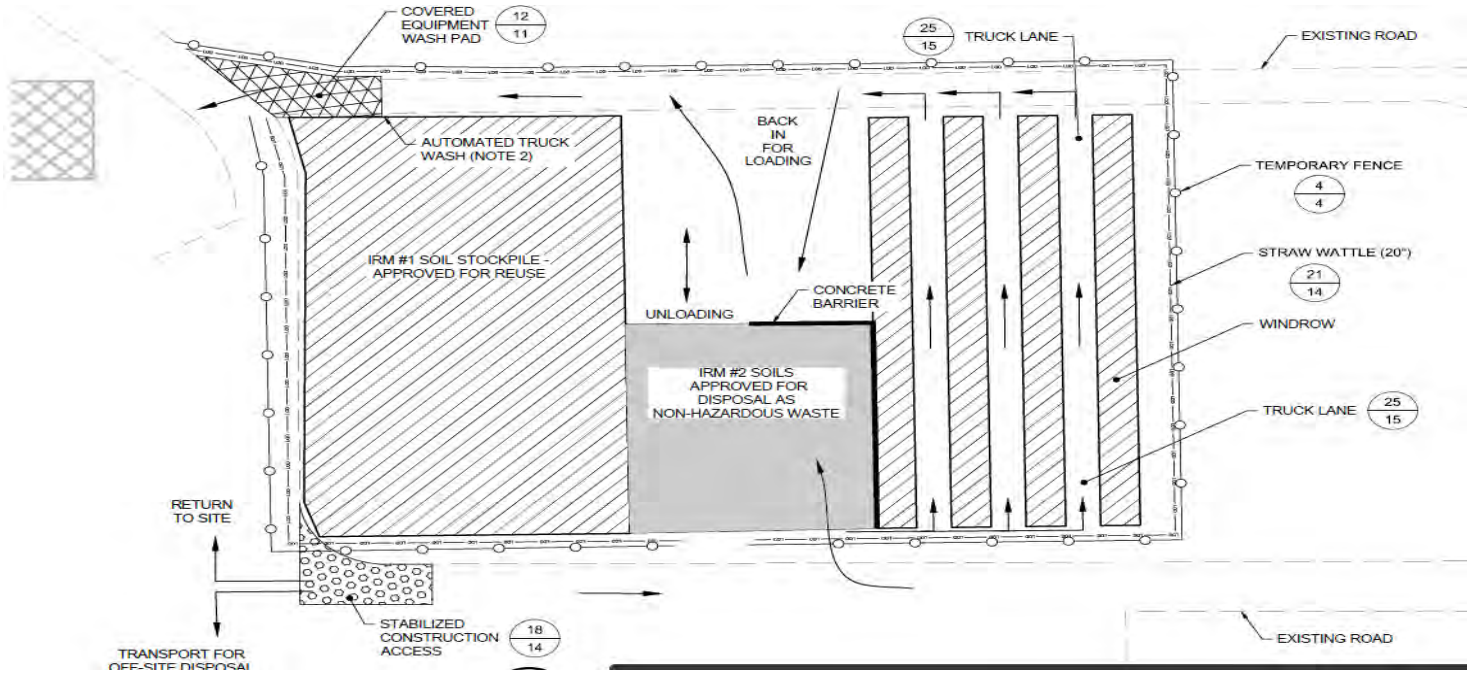
Report No.:	79	Project File:	MN0832D	Date:	08/28/2018

Site Map

Rear Parking Lot

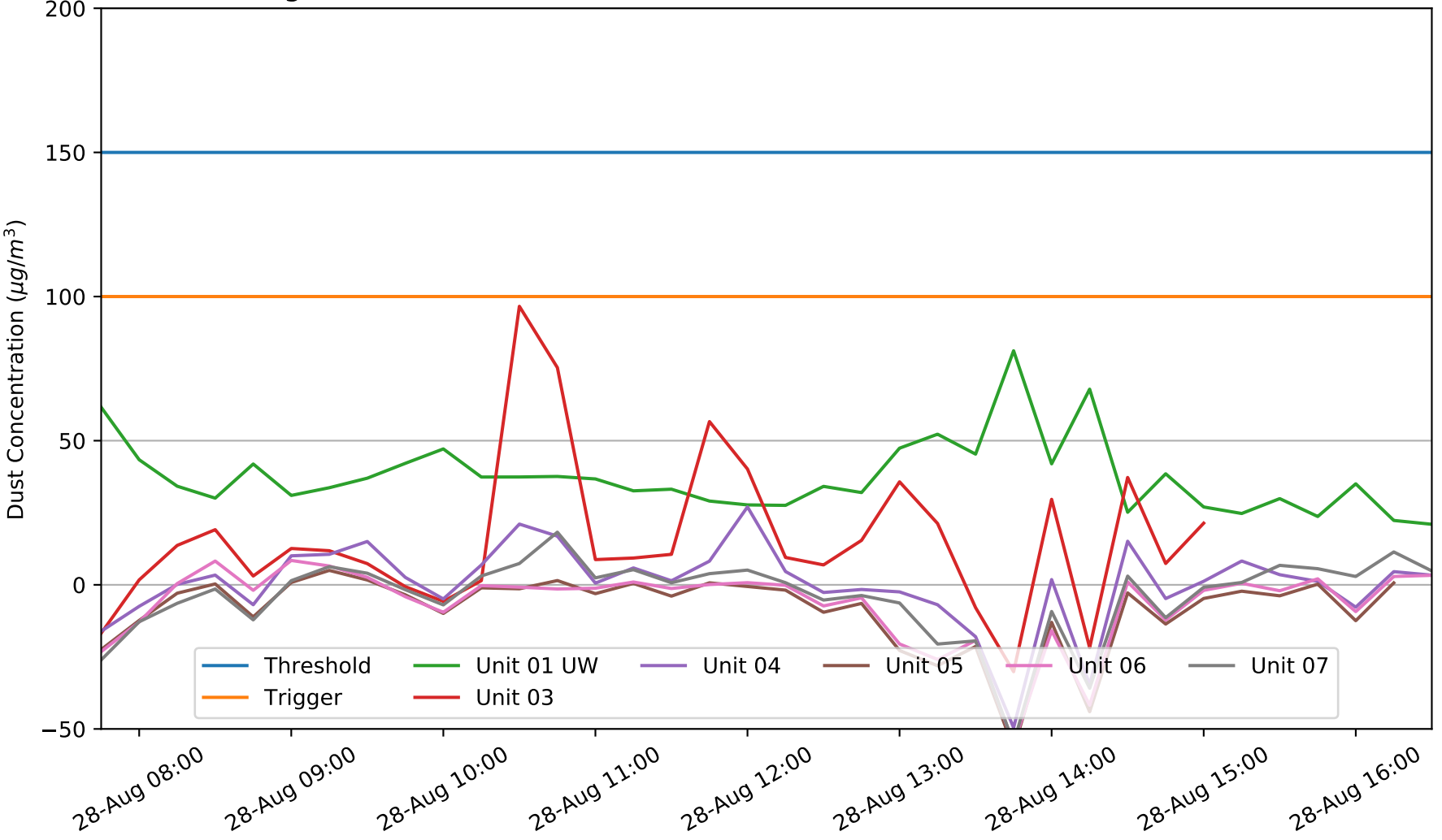


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 28-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 28-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 05	Unit 04	Unit 07	Unit 03	Unit 01 UW	Unit 06	Threshold	Trigger
2018-08-28 07:45:00	-22.45	-16.1	-26.06	-16.77	61.59	-23.18	150	100
2018-08-28 08:00:00	-12.36	-7.46	-12.82	1.71	43.39	-12.89	150	100
2018-08-28 08:15:00	-2.91	0.13	-6.42	13.67	34.21	0.43	150	100
2018-08-28 08:30:00	0.3	3.37	-1.45	19.13	30.07	8.24	150	100
2018-08-28 08:45:00	-11.12	-6.91	-12.16	3.05	41.91	-1.91	150	100
2018-08-28 09:00:00	0.81	10.06	1.44	12.6	31.01	8.45	150	100
2018-08-28 09:15:00	5	10.58	6.29	11.83	33.68	6.53	150	100
2018-08-28 09:30:00	1.67	15.03	4.02	7.35	36.99	2.6	150	100
2018-08-28 09:45:00	-3.47	2.58	-1.69	-0.64	42.14	-4.11	150	100
2018-08-28 10:00:00	-9.93	-4.9	-6.97	-5.74	47.14	-9.52	150	100
2018-08-28 10:15:00	-1.05	6.87	3.07	1.45	37.39	-0.28	150	100
2018-08-28 10:30:00	-1.38	21.07	7.39	96.61	37.41	-0.81	150	100
2018-08-28 10:45:00	1.48	16.88	18.26	75.34	37.59	-1.44	150	100
2018-08-28 11:00:00	-3.07	0.58	2.41	8.75	36.73	-1.18	150	100
2018-08-28 11:15:00	0.48	5.86	5.25	9.29	32.6	0.97	150	100
2018-08-28 11:30:00	-3.93	1.4	0.72	10.57	33.17	-1.28	150	100
2018-08-28 11:45:00	0.69	8.21	3.87	56.63	29.06	0.1	150	100
2018-08-28 12:00:00	-0.58	27.03	5.11	40.17	27.72	0.74	150	100
2018-08-28 12:15:00	-1.84	4.61	0.74	9.49	27.56	-0.16	150	100
2018-08-28 12:30:00	-9.53	-2.66	-5.29	6.9	34.15	-7.33	150	100
2018-08-28 12:45:00	-6.46	-1.62	-3.71	15.42	32	-4.52	150	100
2018-08-28 13:00:00	-22.79	-2.45	-6.3	35.73	47.4	-20.52	150	100
2018-08-28 13:15:00	-28.08	-6.91	-20.55	21.28	52.25	-25.91	150	100
2018-08-28 13:30:00	-21.4	-18	-19.45	-7.92	45.34	-19.33	150	100
2018-08-28 13:45:00	-56.73	-49.55	-54.95	-30.14	81.19	-55.14	150	100
2018-08-28 14:00:00	-13.01	1.82	-9.25	29.66	41.97	-15.9	150	100
2018-08-28 14:15:00	-44.03	-34.63	-35.87	-21.81	67.87	-41.76	150	100
2018-08-28 14:30:00	-2.8	15.12	3.03	37.24	25.16	1.01	150	100
2018-08-28 14:45:00	-13.61	-4.77	-11.4	7.4	38.52	-12.23	150	100
2018-08-28 15:00:00	-4.74	1.23	-0.85	21.38	27	-1.92	150	100
2018-08-28 15:15:00	-2.21	8.26	0.81		24.74	0.53	150	100
2018-08-28 15:30:00	-3.81	3.51	6.75		29.9	-2.06	150	100
2018-08-28 15:45:00	0.23	1.19	5.59		23.7	2.08	150	100
2018-08-28 16:00:00	-12.45	-7.76	2.89		35.04	-9.3	150	100
2018-08-28 16:15:00	0.67	4.57	11.4		22.33	2.89	150	100
2018-08-28 16:30:00		3.34	4.82		21	3.29	150	100

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"RH CORRECT ", "ENABLED "
"Max Disp ", 101.324010
"Max Disp @ ", 10:44:12 28-Aug-2018
"Max STEL ", 39.560268
"Max STEL @ ", 09:17:53 28-Aug-2018
"Avg point ", 29.300604
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"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 39.14, 21.6, 82, 740, 01 , 07:45:03, 28-Aug-2018
2, 31.03, 22.4, 86, 740, 00 , 08:00:03, 28-Aug-2018
3, 31.30, 23.3, 84, 740, 00 , 08:15:03, 28-Aug-2018
4, 30.37, 24.1, 82, 740, 00 , 08:30:03, 28-Aug-2018
5, 30.79, 25.0, 80, 740, 00 , 08:45:03, 28-Aug-2018
6, 31.82, 26.6, 75, 740, 00 , 09:00:03, 28-Aug-2018
7, 38.68, 29.7, 64, 740, 00 , 09:15:03, 28-Aug-2018
8, 38.66, 32.5, 55, 740, 00 , 09:30:03, 28-Aug-2018
9, 38.67, 34.5, 49, 740, 00 , 09:45:03, 28-Aug-2018
10, 37.21, 35.8, 45, 740, 00 , 10:00:03, 28-Aug-2018
11, 36.34, 36.9, 43, 740, 00 , 10:15:03, 28-Aug-2018
12, 36.03, 37.6, 41, 740, 00 , 10:30:03, 28-Aug-2018
13, 39.07, 37.9, 40, 740, 00 , 10:45:03, 28-Aug-2018
14, 33.66, 38.0, 40, 740, 00 , 11:00:03, 28-Aug-2018
15, 33.08, 38.4, 39, 740, 00 , 11:15:03, 28-Aug-2018
16, 29.24, 38.4, 37, 740, 00 , 11:30:03, 28-Aug-2018
17, 29.75, 38.6, 36, 740, 00 , 11:45:03, 28-Aug-2018
18, 27.14, 38.4, 36, 740, 00 , 12:00:03, 28-Aug-2018
19, 25.72, 38.2, 36, 738, 00 , 12:15:03, 28-Aug-2018
20, 24.62, 37.9, 36, 738, 00 , 12:30:03, 28-Aug-2018
21, 25.54, 37.6, 36, 738, 00 , 12:45:03, 28-Aug-2018
22, 24.61, 37.2, 37, 738, 00 , 13:00:03, 28-Aug-2018
23, 24.17, 37.0, 38, 738, 00 , 13:15:03, 28-Aug-2018
24, 23.94, 37.1, 37, 738, 00 , 13:30:03, 28-Aug-2018
25, 24.46, 37.0, 35, 738, 00 , 13:45:03, 28-Aug-2018
26, 28.96, 36.7, 36, 738, 00 , 14:00:03, 28-Aug-2018
27, 23.84, 36.1, 37, 738, 00 , 14:15:03, 28-Aug-2018
28, 22.36, 35.6, 38, 738, 00 , 14:30:03, 28-Aug-2018
29, 24.91, 35.4, 39, 738, 00 , 14:45:03, 28-Aug-2018
30, 22.26, 35.2, 39, 738, 00 , 15:00:03, 28-Aug-2018
31, 22.53, 34.9, 38, 738, 00 , 15:15:03, 28-Aug-2018
32, 26.09, 34.7, 41, 738, 00 , 15:30:03, 28-Aug-2018
33, 23.93, 34.4, 42, 738, 00 , 15:45:03, 28-Aug-2018
34, 22.59, 34.3, 43, 738, 00 , 16:00:03, 28-Aug-2018
35, 23.00, 34.2, 42, 738, 00 , 16:15:03, 28-Aug-2018

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"Max Disp @ ", 10:30:38 28-Aug-2018
"Max STEL   ", 72.713013
"Max STEL @ ", 10:38:43 28-Aug-2018
"Avg point ", 37.790935
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
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"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 45.49, 21.9, 83, 740, 01 , 07:45:03, 28-Aug-2018
2, 35.93, 22.8, 87, 740, 00 , 08:00:03, 28-Aug-2018
3, 34.34, 23.6, 87, 740, 00 , 08:15:03, 28-Aug-2018
4, 33.44, 24.6, 84, 740, 00 , 08:30:03, 28-Aug-2018
5, 35.00, 25.7, 81, 740, 00 , 08:45:03, 28-Aug-2018
6, 41.07, 28.0, 74, 740, 00 , 09:00:03, 28-Aug-2018
7, 44.26, 31.3, 62, 740, 00 , 09:15:03, 28-Aug-2018
8, 52.02, 34.0, 52, 740, 00 , 09:30:03, 28-Aug-2018
9, 44.72, 35.9, 46, 740, 00 , 09:45:03, 28-Aug-2018
10, 42.24, 37.2, 42, 740, 00 , 10:00:03, 28-Aug-2018
11, 44.26, 38.3, 38, 740, 00 , 10:15:03, 28-Aug-2018
12, 58.48, 39.2, 36, 740, 00 , 10:30:03, 28-Aug-2018
13, 54.47, 39.8, 35, 740, 00 , 10:45:03, 28-Aug-2018
14, 37.31, 40.1, 34, 740, 00 , 11:00:03, 28-Aug-2018
15, 38.46, 40.5, 33, 740, 00 , 11:15:03, 28-Aug-2018
16, 34.57, 40.6, 32, 740, 00 , 11:30:03, 28-Aug-2018
17, 37.27, 41.3, 30, 740, 00 , 11:45:03, 28-Aug-2018
18, 54.75, 41.9, 29, 740, 00 , 12:00:03, 28-Aug-2018
19, 32.17, 42.3, 27, 740, 00 , 12:15:03, 28-Aug-2018
20, 31.49, 42.5, 27, 740, 00 , 12:30:03, 28-Aug-2018
21, 30.38, 42.7, 26, 740, 00 , 12:45:03, 28-Aug-2018
22, 44.95, 43.1, 26, 740, 00 , 13:00:03, 28-Aug-2018
23, 45.34, 43.9, 26, 738, 01 , 13:15:03, 28-Aug-2018
24, 27.34, 44.3, 24, 738, 00 , 13:30:03, 28-Aug-2018
25, 31.64, 44.7, 23, 738, 00 , 13:45:03, 28-Aug-2018
26, 43.79, 44.6, 23, 738, 00 , 14:00:03, 28-Aug-2018
27, 33.24, 44.5, 23, 738, 00 , 14:15:03, 28-Aug-2018
28, 40.28, 44.6, 23, 738, 00 , 14:30:03, 28-Aug-2018
29, 33.75, 45.1, 23, 738, 00 , 14:45:03, 28-Aug-2018
30, 28.23, 45.6, 22, 738, 00 , 15:00:03, 28-Aug-2018
31, 33.00, 45.8, 22, 738, 00 , 15:15:03, 28-Aug-2018
32, 33.41, 45.8, 23, 738, 00 , 15:30:03, 28-Aug-2018
33, 24.89, 46.1, 23, 738, 00 , 15:45:03, 28-Aug-2018
34, 27.28, 46.3, 22, 738, 00 , 16:00:03, 28-Aug-2018
35, 26.90, 46.2, 22, 738, 00 , 16:15:03, 28-Aug-2018
36, 24.34, 46.1, 22, 738, 00 , 16:30:03, 28-Aug-2018

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 12:49:45 28-Aug-2018
"Max STEL   ", 58.824663
"Max STEL @ ", 10:33:03 28-Aug-2018
"Avg point ", 33.600464
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 35.53, 23.0, 85, 740, 03 , 07:45:03, 28-Aug-2018
2, 30.57, 23.6, 89, 740, 00 , 08:00:03, 28-Aug-2018
3, 27.79, 24.3, 90, 740, 00 , 08:15:03, 28-Aug-2018
4, 28.62, 25.2, 87, 740, 00 , 08:30:03, 28-Aug-2018
5, 29.75, 26.2, 84, 740, 00 , 08:45:03, 28-Aug-2018
6, 32.45, 27.5, 78, 740, 00 , 09:00:03, 28-Aug-2018
7, 39.97, 29.0, 70, 740, 00 , 09:15:03, 28-Aug-2018
8, 41.01, 30.0, 66, 740, 00 , 09:30:03, 28-Aug-2018
9, 40.45, 30.5, 64, 740, 00 , 09:45:03, 28-Aug-2018
10, 40.17, 31.2, 61, 740, 00 , 10:00:03, 28-Aug-2018
11, 40.46, 31.8, 58, 740, 00 , 10:15:03, 28-Aug-2018
12, 44.80, 32.4, 56, 740, 00 , 10:30:03, 28-Aug-2018
13, 55.85, 33.1, 54, 740, 00 , 10:45:03, 28-Aug-2018
14, 39.14, 33.7, 52, 740, 00 , 11:00:03, 28-Aug-2018
15, 37.85, 34.1, 50, 740, 00 , 11:15:03, 28-Aug-2018
16, 33.89, 34.5, 48, 740, 00 , 11:30:03, 28-Aug-2018
17, 32.93, 35.2, 46, 740, 00 , 11:45:03, 28-Aug-2018
18, 32.83, 36.0, 43, 740, 00 , 12:00:03, 28-Aug-2018
19, 28.30, 36.3, 41, 738, 00 , 12:15:03, 28-Aug-2018
20, 28.86, 36.5, 41, 738, 00 , 12:30:03, 28-Aug-2018
21, 28.29, 36.7, 41, 738, 00 , 12:45:03, 28-Aug-2018
22, 41.10, 37.3, 40, 738, 00 , 13:00:03, 28-Aug-2018
23, 31.70, 38.0, 38, 738, 00 , 13:15:03, 28-Aug-2018
24, 25.89, 38.4, 37, 738, 00 , 13:30:03, 28-Aug-2018
25, 26.24, 38.8, 35, 738, 00 , 13:45:03, 28-Aug-2018
26, 32.72, 38.6, 35, 738, 00 , 14:00:03, 28-Aug-2018
27, 32.00, 38.8, 35, 738, 00 , 14:15:03, 28-Aug-2018
28, 28.19, 38.9, 35, 738, 00 , 14:30:03, 28-Aug-2018
29, 27.12, 39.4, 34, 738, 00 , 14:45:03, 28-Aug-2018
30, 26.15, 39.6, 34, 738, 00 , 15:00:03, 28-Aug-2018
31, 25.55, 39.7, 33, 738, 00 , 15:15:03, 28-Aug-2018
32, 36.65, 39.8, 35, 738, 00 , 15:30:03, 28-Aug-2018
33, 29.29, 40.0, 34, 738, 00 , 15:45:03, 28-Aug-2018
34, 37.93, 40.3, 34, 738, 00 , 16:00:03, 28-Aug-2018
35, 33.73, 40.0, 34, 738, 00 , 16:15:03, 28-Aug-2018
36, 25.82, 39.9, 33, 738, 00 , 16:30:03, 28-Aug-2018

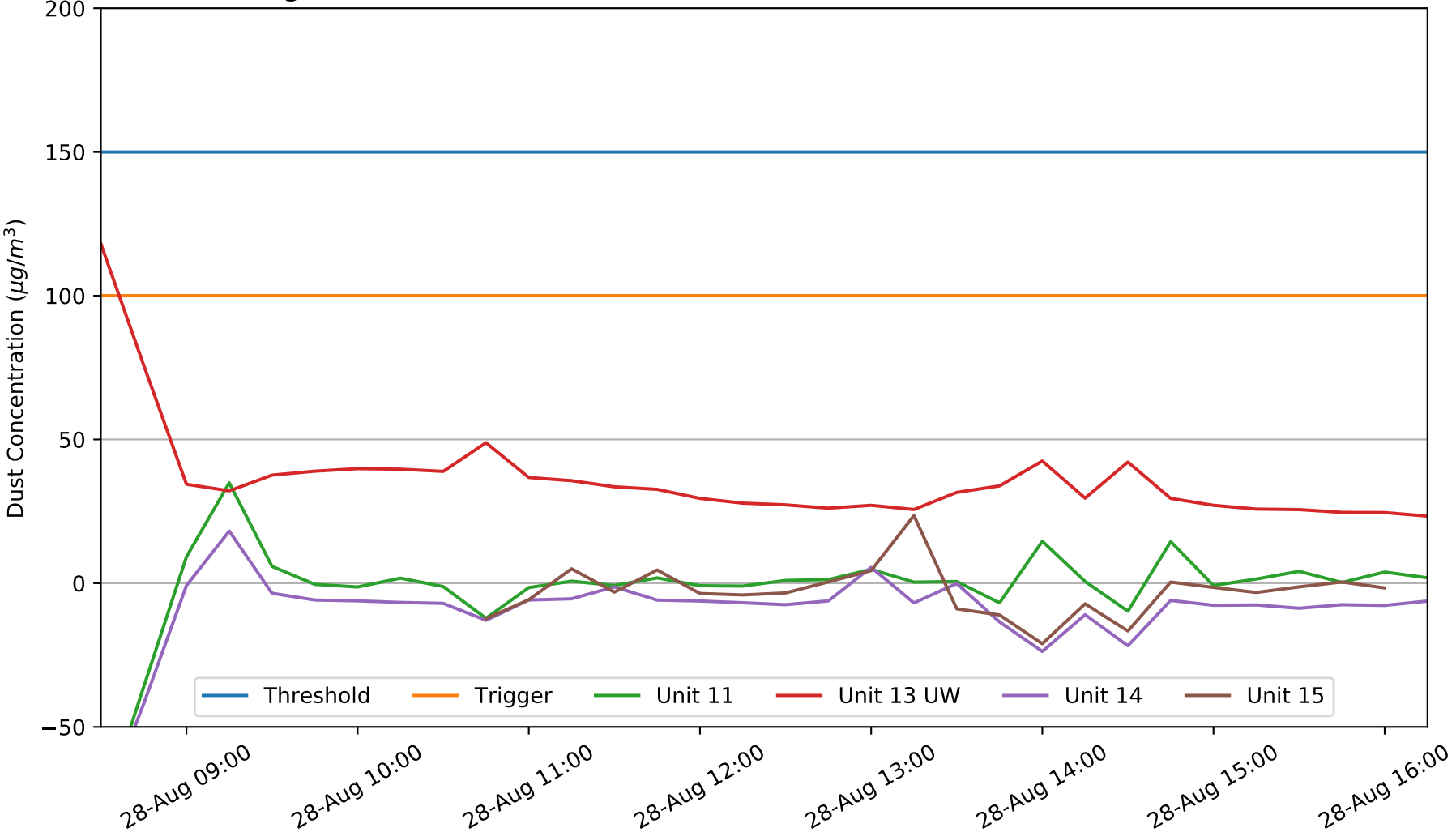
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"Max Disp ", 658.336544
"Max Disp @ ", 10:33:05 28-Aug-2018
"Max STEL ", 188.184853
"Max STEL @ ", 10:32:53 28-Aug-2018
"Avg point ", 55.461750
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 44.82, 13.3, 78, 740, 01 , 07:45:03, 28-Aug-2018
2, 45.10, 16.3, 71, 740, 00 , 08:00:03, 28-Aug-2018
3, 47.88, 19.1, 62, 740, 00 , 08:15:03, 28-Aug-2018
4, 49.20, 22.2, 52, 740, 00 , 08:30:03, 28-Aug-2018
5, 44.96, 25.2, 44, 740, 00 , 08:45:03, 28-Aug-2018
6, 43.61, 27.8, 40, 742, 00 , 09:00:03, 28-Aug-2018
7, 45.51, 30.0, 36, 742, 00 , 09:15:03, 28-Aug-2018
8, 44.34, 31.7, 32, 742, 00 , 09:30:03, 28-Aug-2018
9, 41.50, 32.6, 30, 742, 00 , 09:45:03, 28-Aug-2018
10, 41.40, 33.8, 28, 742, 00 , 10:00:03, 28-Aug-2018
11, 38.84, 35.2, 26, 742, 00 , 10:15:03, 28-Aug-2018
12, 134.02, 36.2, 24, 742, 00 , 10:30:03, 28-Aug-2018
13, 112.93, 37.0, 24, 742, 00 , 10:45:03, 28-Aug-2018
14, 45.48, 37.0, 23, 742, 00 , 11:00:03, 28-Aug-2018
15, 41.89, 37.3, 23, 742, 00 , 11:15:03, 28-Aug-2018
16, 43.74, 37.8, 22, 742, 00 , 11:30:03, 28-Aug-2018
17, 85.69, 39.1, 20, 742, 00 , 11:45:03, 28-Aug-2018
18, 67.89, 40.8, 18, 742, 00 , 12:00:03, 28-Aug-2018
19, 37.05, 41.8, 17, 742, 00 , 12:15:03, 28-Aug-2018
20, 41.05, 42.5, 17, 742, 00 , 12:30:03, 28-Aug-2018
21, 47.42, 42.9, 16, 742, 00 , 12:45:03, 28-Aug-2018
22, 83.13, 43.6, 16, 742, 01 , 13:00:03, 28-Aug-2018
23, 73.53, 45.1, 14, 740, 01 , 13:15:03, 28-Aug-2018
24, 37.42, 45.6, 13, 740, 01 , 13:30:03, 28-Aug-2018
25, 51.05, 45.7, 12, 740, 01 , 13:45:03, 28-Aug-2018
26, 71.63, 44.5, 14, 740, 01 , 14:00:03, 28-Aug-2018
27, 46.06, 43.6, 15, 740, 01 , 14:15:03, 28-Aug-2018
28, 62.40, 43.0, 15, 740, 01 , 14:30:03, 28-Aug-2018
29, 45.92, 41.2, 17, 740, 01 , 14:45:03, 28-Aug-2018
30, 48.38, 38.3, 19, 740, 01 , 15:00:03, 28-Aug-2018

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"RH CORRECT ", "ENABLED "
"Max Disp   ", 566.913652
"Max Disp @ ", 13:42:46 28-Aug-2018
"Max STEL   ", 87.736721
"Max STEL @ ", 13:50:13 28-Aug-2018
"Avg point ", 37.526097
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
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"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 61.59, 20.2, 83, 740, 01 , 07:45:03, 28-Aug-2018
2, 43.39, 20.9, 88, 740, 01 , 08:00:03, 28-Aug-2018
3, 34.21, 21.6, 88, 740, 00 , 08:15:03, 28-Aug-2018
4, 30.07, 22.4, 87, 740, 01 , 08:30:03, 28-Aug-2018
5, 41.91, 23.4, 85, 740, 02 , 08:45:03, 28-Aug-2018
6, 31.01, 24.4, 82, 740, 00 , 09:00:03, 28-Aug-2018
7, 33.68, 26.0, 77, 740, 00 , 09:15:03, 28-Aug-2018
8, 36.99, 29.0, 66, 740, 00 , 09:30:03, 28-Aug-2018
9, 42.14, 31.3, 57, 740, 00 , 09:45:03, 28-Aug-2018
10, 47.14, 32.8, 50, 740, 00 , 10:00:03, 28-Aug-2018
11, 37.39, 34.0, 47, 740, 00 , 10:15:03, 28-Aug-2018
12, 37.41, 34.5, 46, 740, 00 , 10:30:03, 28-Aug-2018
13, 37.59, 35.2, 44, 740, 00 , 10:45:03, 28-Aug-2018
14, 36.73, 36.0, 42, 740, 00 , 11:00:03, 28-Aug-2018
15, 32.60, 36.5, 41, 740, 00 , 11:15:03, 28-Aug-2018
16, 33.17, 36.7, 40, 740, 00 , 11:30:03, 28-Aug-2018
17, 29.06, 36.8, 38, 740, 00 , 11:45:03, 28-Aug-2018
18, 27.72, 37.4, 37, 740, 00 , 12:00:03, 28-Aug-2018
19, 27.56, 37.9, 35, 740, 00 , 12:15:03, 28-Aug-2018
20, 34.15, 38.0, 35, 740, 00 , 12:30:03, 28-Aug-2018
21, 32.00, 38.3, 34, 740, 00 , 12:45:03, 28-Aug-2018
22, 47.40, 38.7, 34, 740, 00 , 13:00:03, 28-Aug-2018
23, 52.25, 39.4, 32, 740, 00 , 13:15:03, 28-Aug-2018
24, 45.34, 39.8, 31, 740, 00 , 13:30:03, 28-Aug-2018
25, 81.19, 39.8, 30, 740, 00 , 13:45:03, 28-Aug-2018
26, 41.97, 39.6, 30, 740, 00 , 14:00:03, 28-Aug-2018
27, 67.87, 39.1, 31, 740, 01 , 14:15:03, 28-Aug-2018
28, 25.16, 39.0, 31, 738, 00 , 14:30:03, 28-Aug-2018
29, 38.52, 39.3, 31, 738, 01 , 14:45:03, 28-Aug-2018
30, 27.00, 39.5, 31, 738, 00 , 15:00:03, 28-Aug-2018
31, 24.74, 39.0, 31, 738, 00 , 15:15:03, 28-Aug-2018
32, 29.90, 38.7, 33, 738, 00 , 15:30:03, 28-Aug-2018
33, 23.70, 39.0, 33, 738, 00 , 15:45:03, 28-Aug-2018
34, 35.04, 39.0, 32, 738, 00 , 16:00:03, 28-Aug-2018
35, 22.33, 38.8, 33, 738, 00 , 16:15:03, 28-Aug-2018
36, 21.00, 38.6, 32, 738, 00 , 16:30:03, 28-Aug-2018

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 07:31:09 28-Aug-2018
"Max STEL ", 40.338898
"Max STEL @ ", 09:10:33 28-Aug-2018
"Avg point ", 31.002781
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 38.41, 22.1, 78, 740, 00 , 07:45:03, 28-Aug-2018
2, 30.50, 23.6, 80, 740, 00 , 08:00:03, 28-Aug-2018
3, 34.64, 26.8, 71, 740, 00 , 08:15:03, 28-Aug-2018
4, 38.31, 29.7, 61, 740, 00 , 08:30:03, 28-Aug-2018
5, 40.00, 32.0, 53, 740, 00 , 08:45:03, 28-Aug-2018
6, 39.46, 34.4, 48, 740, 00 , 09:00:03, 28-Aug-2018
7, 40.21, 36.6, 43, 740, 00 , 09:15:03, 28-Aug-2018
8, 39.59, 38.6, 38, 740, 00 , 09:30:03, 28-Aug-2018
9, 38.03, 39.7, 35, 740, 00 , 09:45:03, 28-Aug-2018
10, 37.62, 40.0, 35, 740, 00 , 10:00:03, 28-Aug-2018
11, 37.11, 41.0, 32, 740, 00 , 10:15:03, 28-Aug-2018
12, 36.60, 41.5, 31, 740, 00 , 10:30:03, 28-Aug-2018
13, 36.15, 40.5, 32, 740, 00 , 10:45:03, 28-Aug-2018
14, 35.55, 40.8, 32, 740, 00 , 11:00:03, 28-Aug-2018
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19, 27.40, 39.8, 31, 738, 00 , 12:15:03, 28-Aug-2018
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21, 27.48, 39.4, 31, 738, 00 , 12:45:03, 28-Aug-2018
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23, 26.34, 38.9, 33, 738, 00 , 13:15:03, 28-Aug-2018
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25, 26.05, 38.8, 31, 738, 00 , 13:45:03, 28-Aug-2018
26, 26.07, 38.6, 32, 738, 00 , 14:00:03, 28-Aug-2018
27, 26.11, 38.3, 32, 738, 00 , 14:15:03, 28-Aug-2018
28, 26.17, 38.3, 32, 738, 00 , 14:30:03, 28-Aug-2018
29, 26.29, 38.1, 33, 738, 00 , 14:45:03, 28-Aug-2018
30, 25.08, 37.1, 34, 738, 00 , 15:00:03, 28-Aug-2018
31, 25.27, 36.0, 36, 738, 00 , 15:15:03, 28-Aug-2018
32, 27.84, 35.8, 38, 738, 00 , 15:30:03, 28-Aug-2018
33, 25.78, 35.8, 38, 738, 00 , 15:45:03, 28-Aug-2018
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35, 25.22, 35.6, 38, 738, 00 , 16:15:03, 28-Aug-2018
36, 24.29, 35.4, 37, 738, 00 , 16:30:03, 28-Aug-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 28-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 28-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 13 UW	Unit 15	Unit 14	Unit 11	Threshold	Trigger
2018-08-28 08:30:00	118.06		-80.55	-81.62	150	100
2018-08-28 08:45:00	75.9		-42.01	-36.12	150	100
2018-08-28 09:00:00	34.42		-0.81	9.18	150	100
2018-08-28 09:15:00	32.13		18.13	34.91	150	100
2018-08-28 09:30:00	37.59		-3.51	5.86	150	100
2018-08-28 09:45:00	38.97		-5.85	-0.41	150	100
2018-08-28 10:00:00	39.84		-6.15	-1.32	150	100
2018-08-28 10:15:00	39.66		-6.69	1.75	150	100
2018-08-28 10:30:00	38.89		-7.02	-1.17	150	100
2018-08-28 10:45:00	48.85	-12.34	-12.91	-12.2	150	100
2018-08-28 11:00:00	36.77	-5.76	-5.85	-1.53	150	100
2018-08-28 11:15:00	35.66	5.01	-5.43	0.7	150	100
2018-08-28 11:30:00	33.53	-3.11	-1.29	-0.81	150	100
2018-08-28 11:45:00	32.64	4.59	-5.88	1.84	150	100
2018-08-28 12:00:00	29.5	-3.58	-6.2	-0.88	150	100
2018-08-28 12:15:00	27.85	-4.09	-6.8	-1	150	100
2018-08-28 12:30:00	27.26	-3.39	-7.48	0.96	150	100
2018-08-28 12:45:00	26.1	0.44	-6.15	1.26	150	100
2018-08-28 13:00:00	27.1	4.39	5.51	4.81	150	100
2018-08-28 13:15:00	25.64	23.52	-6.86	0.37	150	100
2018-08-28 13:30:00	31.59	-8.93	-0.11	0.58	150	100
2018-08-28 13:45:00	33.85	-11.04	-13.46	-6.83	150	100
2018-08-28 14:00:00	42.5	-21.05	-23.75	14.59	150	100
2018-08-28 14:15:00	29.59	-7.18	-10.96	0.61	150	100
2018-08-28 14:30:00	42.14	-16.63	-21.78	-9.74	150	100
2018-08-28 14:45:00	29.51	0.39	-5.99	14.47	150	100
2018-08-28 15:00:00	27.1	-1.47	-7.69	-0.81	150	100
2018-08-28 15:15:00	25.79	-3.23	-7.57	1.45	150	100
2018-08-28 15:30:00	25.61	-1.28	-8.72	4.13	150	100
2018-08-28 15:45:00	24.64	0.42	-7.49	0.25	150	100
2018-08-28 16:00:00	24.58	-1.65	-7.73	3.88	150	100
2018-08-28 16:15:00	23.33		-6.21	1.88	150	100

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"Unit   ", 0
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"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
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"Max STEL   ", 138.248801
"Max STEL @ ", 08:34:33 28-Aug-2018
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"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
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1, 118.06, 23.1, 70, 740, 03 , 08:30:03, 28-Aug-2018
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3, 34.42, 26.7, 81, 740, 00 , 09:00:03, 28-Aug-2018
4, 32.13, 28.3, 80, 740, 00 , 09:15:03, 28-Aug-2018
5, 37.59, 29.9, 72, 740, 00 , 09:30:03, 28-Aug-2018
6, 38.97, 31.1, 64, 740, 00 , 09:45:03, 28-Aug-2018
7, 39.84, 32.0, 60, 740, 00 , 10:00:03, 28-Aug-2018
8, 39.66, 33.0, 56, 740, 00 , 10:15:03, 28-Aug-2018
9, 38.89, 33.7, 53, 740, 00 , 10:30:03, 28-Aug-2018
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20, 25.64, 38.4, 41, 738, 00 , 13:15:03, 28-Aug-2018
21, 31.59, 38.7, 40, 738, 00 , 13:30:03, 28-Aug-2018
22, 33.85, 38.6, 39, 738, 00 , 13:45:03, 28-Aug-2018
23, 42.50, 38.7, 38, 738, 00 , 14:00:03, 28-Aug-2018
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25, 42.14, 38.2, 39, 738, 00 , 14:30:03, 28-Aug-2018
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27, 27.10, 38.9, 39, 738, 00 , 15:00:03, 28-Aug-2018
28, 25.79, 38.9, 38, 738, 00 , 15:15:03, 28-Aug-2018
29, 25.61, 39.0, 39, 738, 00 , 15:30:03, 28-Aug-2018
30, 24.64, 39.4, 38, 738, 00 , 15:45:03, 28-Aug-2018
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"RH CORRECT ", "ENABLED "
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"Max STEL ", 49.659147
"Max STEL @ ", 13:29:50 28-Aug-2018
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"Errors ", 0000
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3, 40.67, 29.9, 49, 740, 00 , 11:26:50, 28-Aug-2018
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5, 37.23, 31.3, 43, 740, 00 , 11:56:50, 28-Aug-2018
6, 25.92, 31.9, 41, 740, 00 , 12:11:50, 28-Aug-2018
7, 23.76, 32.9, 40, 740, 00 , 12:26:50, 28-Aug-2018
8, 23.87, 33.5, 36, 740, 00 , 12:41:50, 28-Aug-2018
9, 26.54, 34.0, 35, 740, 00 , 12:56:50, 28-Aug-2018
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"Max STEL   ", 50.790834
"Max STEL @ ", 09:20:23 28-Aug-2018
"Avg point ", 26.604381
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
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5, 34.08, 24.6, 71, 742, 00 , 09:30:03, 28-Aug-2018
6, 33.12, 25.3, 66, 742, 00 , 09:45:03, 28-Aug-2018
7, 33.69, 25.9, 63, 742, 00 , 10:00:03, 28-Aug-2018
8, 32.97, 26.3, 61, 742, 00 , 10:15:03, 28-Aug-2018
9, 31.87, 26.8, 59, 742, 00 , 10:30:03, 28-Aug-2018
10, 35.94, 27.3, 57, 742, 00 , 10:45:03, 28-Aug-2018
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13, 32.24, 28.9, 49, 742, 00 , 11:30:03, 28-Aug-2018
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27, 19.41, 36.5, 27, 740, 00 , 15:00:03, 28-Aug-2018
28, 18.22, 36.7, 27, 740, 00 , 15:15:03, 28-Aug-2018
29, 16.89, 37.2, 27, 740, 00 , 15:30:03, 28-Aug-2018
30, 17.15, 37.7, 26, 740, 00 , 15:45:03, 28-Aug-2018
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"RH CORRECT ", "ENABLED "
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"Avg point ", 34.863789
"ALARM ", "INSTANT "
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"Errors ", 0000
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"FlowRate ", 1.200000
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2, 39.78, 27.4, 67, 740, 00 , 08:45:03, 28-Aug-2018
3, 43.60, 31.0, 55, 740, 00 , 09:00:03, 28-Aug-2018
4, 67.04, 33.6, 46, 740, 00 , 09:15:03, 28-Aug-2018
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8, 41.41, 40.5, 32, 740, 00 , 10:15:03, 28-Aug-2018
9, 37.72, 40.7, 31, 740, 00 , 10:30:03, 28-Aug-2018
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29, 29.74, 39.3, 31, 738, 00 , 15:30:03, 28-Aug-2018
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32, 25.21, 39.9, 29, 738, 00 , 16:15:03, 28-Aug-2018

DAILY OBSERVATION REPORT

Report No.:	80	Project File:	MN0832D	Date:	08/29/2018

Geosyntec consultants

engineers | scientists | innovators

Beech and Bonaparte engineering p.c.

an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Jim Burnett

Site Representative: Ashwin Ranna

Arrive at Site: 0645hrs. Leave Site: 1745hrs.

Contractor: Recon

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Sunny, light fog	am	Sunny and Clear	Pm
Temperature:	72° F	am	91° F	Pm
Wind Direction:	CALM	am	14 W	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☒	No ☐	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 80 Project File: MN0832D Date: 08/29/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 7 Total Loads to date: 509

Weight: ~20 tons/each Total Weight to date: ~11840Tons

Non Haz Soil Removal:

Total Loads today: 23 Total Loads to date: 321

Weight: 20 tons/each Total Weight to date: 7548Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: Tons Total Weight to date: 175 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1517

Weight: ~21 Tons/each Total Weight to date: ~22586Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	80	Project File:	MN0832D	Date:	08/29/2018

Summary of Events

AM

- Geosyntec arrived on site at 0645. Calibrated and configured dust monitors. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed work plan for the day. Recon planned to move TSCA, Move Non Haz material continue housekeeping and complete compaction efforts in phase 3.
- Geosyntec deployed dust monitors and signed manifests for Non Haz materials. 2 trucks of water totaling about 11000 gallons were shipped offsite from the MSA Frac tanks.
- Recon continued compacting the backfilled material, loaded out TSCA material and loaded Non haz trucks from site. ALL TSCA material in the RPL was taken offsite.
- Geosyntec collected samples from the site and prepared them for shipping. Recon began cleaning out the frac tanks on site with vacuum truck
- Recon emptied out the roll off Bin in the MSA. The material was shipped as Non haz to the landfill.
- Recon continued housekeeping activities around the site. Water truck was run continuously till the end of day.
- School contractor continued working on the canopy and began excavating the backfill to lay utilities in phase 1 and 2. The roof drains have been reconnected to the sewer system and Recon prepared to reactivate the roof drains.
- Equipment demobilization from site began. An excavator and Off-road Haul truck was taken offsite after being cleaned on the truck wash.
- Privacy fence around the northern edge of the site was taken down.

PM

- Recon loaded 7 TSCA trucks. Trucks were stationed over crane mats and on poly while being loaded.
- After removal of TSCA material, Recon placed down demarcation fabric and began backfilling and compaction in the eastern part of the site. Compaction tests were carried out and all backfill compaction was completed at 1730.
- 23 trucks of non-hazardous material were loaded for offsite shipment.
- Recon covered piles in the RPL and MSA at the end of the day. Geosyntec collected dust monitors and analyzed the data.
- Scott Williams from NYSDEC was on site around 1600. He inspected progress and left site around 1630.
- Recon began installing a fence between STCC and EHS.
- Geosyntec collected the monitors, downloaded data and shut down and left site around 1830.

Report No.: 80 Project File: MN0832D Date: 08/29/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Brian Kilkenny
- Bryan Balog
- Addison Hofferth
- Rich Tonnucour
- Patrick Carr
- (Recon labor) X16

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- CAT 725 Haul truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX6
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	NYSDEC	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date (RPL Turnover to ECSD): 8/29/18
Completion Date (MSA Turnover to STCC): TBD

ITEMS OF CONCERN:

Monitors placed along the northern and western edge (Near school construction activities; working in clean backfill) of the RPL showed readings above trigger levels. Water was sprayed to control the released dust. Dust appears to have been generated during excavation for laying utilities within the clean fill used on site.

Site Representative: Ashwin Ranna

Name (Signature):



Report No.: 80 Project File: MN0832D Date: 08/29/2018

Photo Log
Date : 08/29/2018

	
Removal of Frac Tank water	Demobilizing equipment
	
Completion of TSCA loadout	Backfilling and compaction completion

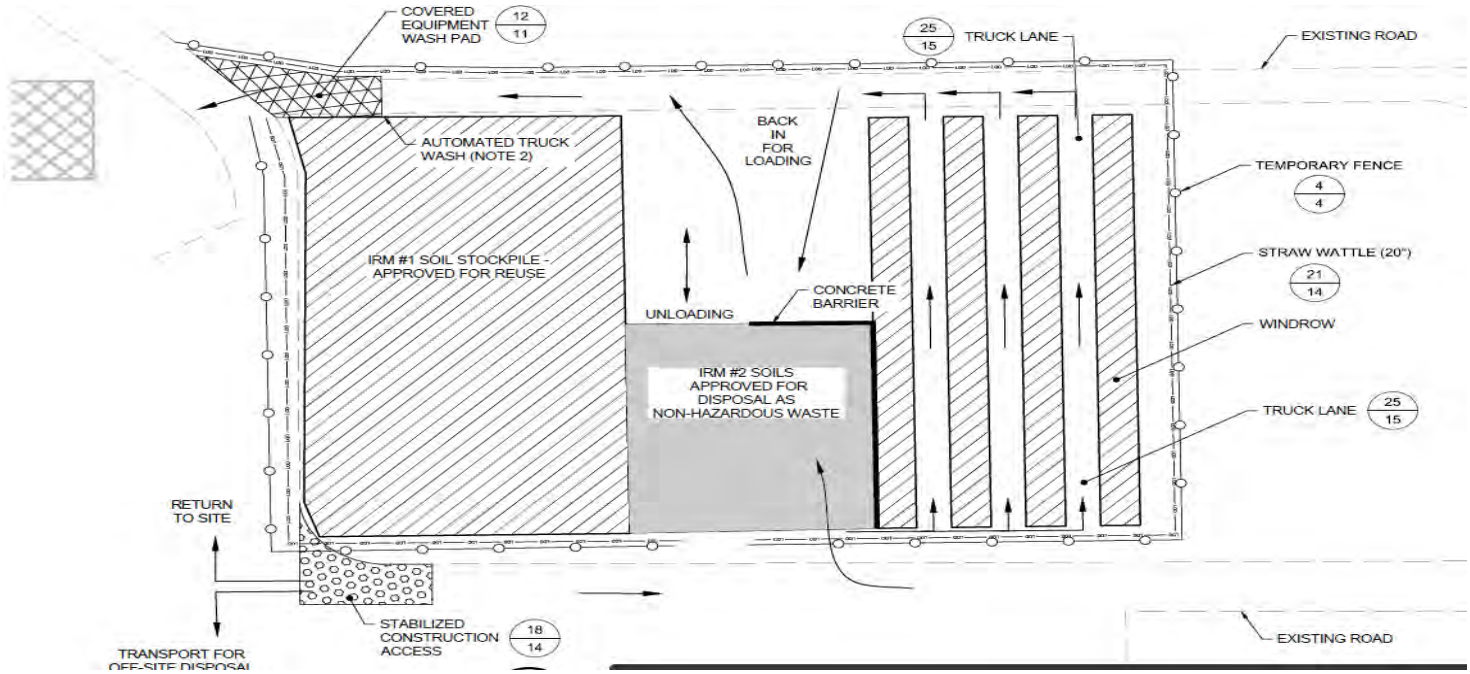
Report No.: 80 Project File: MN0832D Date: 08/29/2018

Site Map

Rear Parking Lot

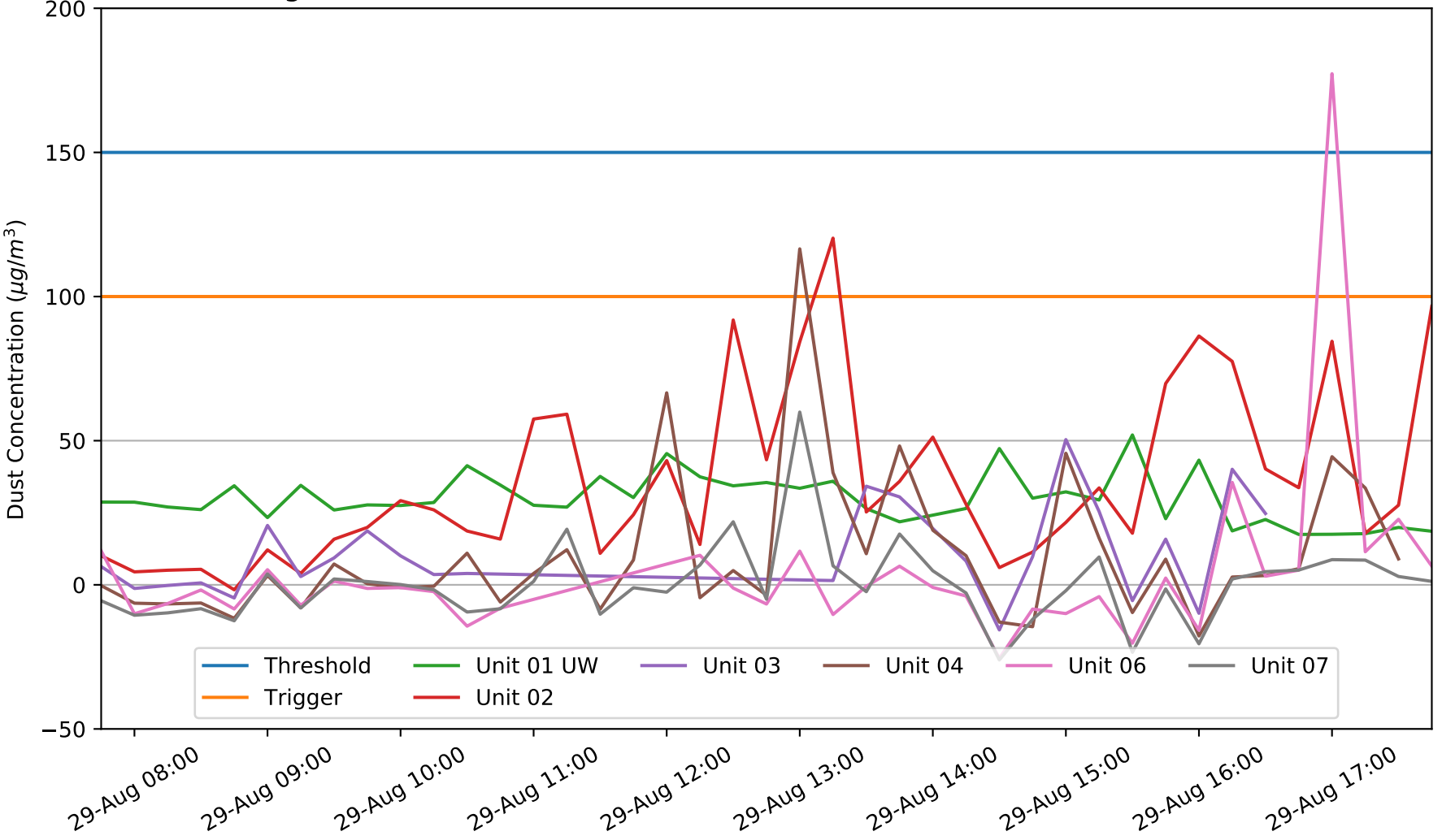


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 29-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 29-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 01 UW	Unit 02	Unit 07	Unit 06	Unit 04	Unit 03	Threshold	Trigger
2018-08-29 07:45:00	28.7	10.07	-5.53	11.78	-0.28	6.34	150	100
2018-08-29 08:00:00	28.67	4.49	-10.55	-10.04	-6.37	-1.26	150	100
2018-08-29 08:15:00	26.99	5.06	-9.73	-6.49	-6.63	-0.22	150	100
2018-08-29 08:30:00	26.08	5.38	-8.28	-1.79	-6.31	0.67	150	100
2018-08-29 08:45:00	34.37	-1.73	-12.48	-8.39	-11.62	-4.57	150	100
2018-08-29 09:00:00	23.32	12.13	3.79	5.25	3.23	20.6	150	100
2018-08-29 09:15:00	34.51	3.97	-8.05	-7.06	-7.97	2.86	150	100
2018-08-29 09:30:00	25.95	15.82	2.03	1.29	7.22	9.32	150	100
2018-08-29 09:45:00	27.72	19.91	1.13	-1.25	0.36	18.7	150	100
2018-08-29 10:00:00	27.51	29.21	0.09	-0.97	-0.96	10.05	150	100
2018-08-29 10:15:00	28.55	26	-1.72	-2.36	-0.51	3.56	150	100
2018-08-29 10:30:00	41.33	18.66	-9.44	-14.34	10.98	3.94	150	100
2018-08-29 10:45:00	34.61	15.85	-8.3	-8.11	-5.99		150	100
2018-08-29 11:00:00	27.59	57.51	1.19		3.95		150	100
2018-08-29 11:15:00	26.94	59.19	19.3		12.18		150	100
2018-08-29 11:30:00	37.61	10.91	-10.2		-8.44		150	100
2018-08-29 11:45:00	30.26	24.31	-1.01		8.61		150	100
2018-08-29 12:00:00	45.54	43.1	-2.55		66.6		150	100
2018-08-29 12:15:00	37.47	13.99	6.86	10.24	-4.48		150	100
2018-08-29 12:30:00	34.34	91.87	21.87	-1.13	4.95		150	100
2018-08-29 12:45:00	35.49	43.37	-5	-6.66	-3.61		150	100
2018-08-29 13:00:00	33.49	84.28	59.93	11.69	116.54		150	100
2018-08-29 13:15:00	35.94	120.26	6.58	-10.3	38.9	1.48	150	100
2018-08-29 13:30:00	26.45	25.26	-2.39	-0.53	10.78	34.21	150	100
2018-08-29 13:45:00	21.85	35.87	17.62	6.47	48.17	30.5	150	100
2018-08-29 14:00:00	24.17	51.24	4.87	-0.9	18.94	19.54	150	100
2018-08-29 14:15:00	26.48	27.94	-2.84	-3.88	10.09	8.23	150	100
2018-08-29 14:30:00	47.28	5.97	-26.06	-25.52	-12.95	-15.65	150	100
2018-08-29 14:45:00	30.05	11.37	-11.97	-8.4	-14.53	9.76	150	100
2018-08-29 15:00:00	32.25	21.65	-2.03	-9.98	45.64	50.38	150	100
2018-08-29 15:15:00	29.42	33.62	9.66	-4.09	16.18	25.42	150	100
2018-08-29 15:30:00	51.99	17.89	-23.41	-20.26	-9.63	-5.49	150	100
2018-08-29 15:45:00	22.93	69.84	-1.42	2.35	8.91	15.85	150	100
2018-08-29 16:00:00	43.26	86.32	-20.46	-15.77	-17.75	-9.88	150	100
2018-08-29 16:15:00	18.7	77.52	2.01	35.53	2.7	40.09	150	100
2018-08-29 16:30:00	22.66	40.19	4.56	2.99	3.21	24.73	150	100
2018-08-29 16:45:00	17.48	33.68	5.12	5.09	5.59		150	100
2018-08-29 17:00:00	17.53	84.49	8.73	177.3	44.45		150	100
2018-08-29 17:15:00	17.75	17.85	8.57	11.47	33.59		150	100
2018-08-29 17:30:00	19.9	27.62	2.89	22.73	8.98		150	100
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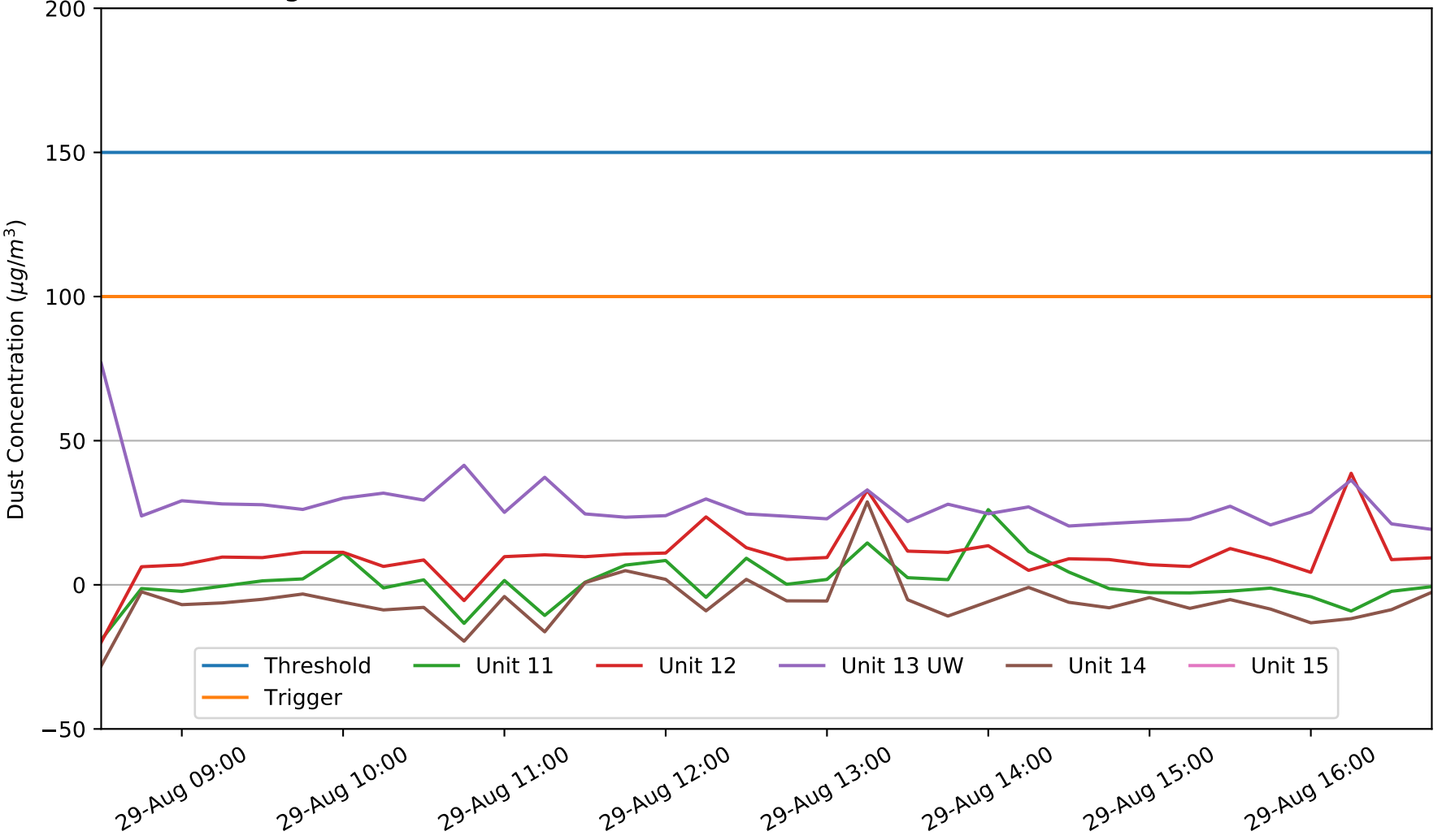
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29, 27.49, 41.7, 26, 736, 00 , 16:07:27, 29-Aug-2018
30, 54.23, 42.2, 25, 736, 00 , 16:22:27, 29-Aug-2018
31, 25.65, 42.1, 25, 736, 00 , 16:37:27, 29-Aug-2018
19, 22.57, 41.8, 26, 736, 00 , 16:52:27, 29-Aug-2018
20, 194.83, 41.8, 26, 736, 00 , 17:07:27, 29-Aug-2018
21, 29.22, 40.9, 28, 736, 00 , 17:22:27, 29-Aug-2018
22, 42.63, 40.1, 29, 736, 00 , 17:37:27, 29-Aug-2018
23, 25.07, 39.5, 30, 736, 00 , 17:52:27, 29-Aug-2018

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"RH CORRECT ", "ENABLED "
"Max Disp ", 593.876171
"Max Disp @ ", 14:59:18 29-Aug-2018
"Max STEL ", 164.573312
"Max STEL @ ", 13:01:23 29-Aug-2018
"Avg point ", 40.396109
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 28.42, 22.0, 82, 740, 00 , 07:45:03, 29-Aug-2018
2, 22.30, 22.8, 86, 740, 00 , 08:00:03, 29-Aug-2018
3, 20.36, 23.6, 84, 740, 00 , 08:15:03, 29-Aug-2018
4, 19.77, 24.4, 82, 740, 00 , 08:30:03, 29-Aug-2018
5, 22.75, 25.4, 79, 740, 00 , 08:45:03, 29-Aug-2018
6, 26.55, 27.1, 73, 740, 00 , 09:00:03, 29-Aug-2018
7, 26.54, 30.2, 62, 740, 00 , 09:15:03, 29-Aug-2018
8, 33.17, 32.6, 54, 740, 00 , 09:30:03, 29-Aug-2018
9, 28.08, 34.4, 48, 740, 00 , 09:45:03, 29-Aug-2018
10, 26.55, 36.0, 44, 740, 00 , 10:00:03, 29-Aug-2018
11, 28.04, 37.2, 41, 740, 00 , 10:15:03, 29-Aug-2018
12, 52.31, 38.0, 39, 740, 01 , 10:30:03, 29-Aug-2018
13, 28.62, 38.5, 38, 740, 00 , 10:45:03, 29-Aug-2018
14, 31.54, 39.3, 37, 740, 00 , 11:00:03, 29-Aug-2018
15, 39.12, 40.1, 35, 740, 00 , 11:15:03, 29-Aug-2018
16, 29.17, 40.8, 33, 740, 00 , 11:30:03, 29-Aug-2018
17, 38.87, 41.4, 32, 740, 00 , 11:45:03, 29-Aug-2018
18, 112.14, 41.7, 31, 738, 00 , 12:00:03, 29-Aug-2018
19, 32.99, 41.9, 30, 738, 00 , 12:15:03, 29-Aug-2018
20, 39.29, 42.3, 29, 738, 00 , 12:30:03, 29-Aug-2018
21, 31.88, 42.7, 28, 738, 00 , 12:45:03, 29-Aug-2018
22, 150.03, 43.3, 28, 738, 01 , 13:00:03, 29-Aug-2018
23, 74.84, 43.6, 27, 738, 00 , 13:15:03, 29-Aug-2018
24, 37.23, 43.6, 26, 738, 00 , 13:30:03, 29-Aug-2018
25, 70.02, 44.5, 26, 738, 00 , 13:45:03, 29-Aug-2018
26, 43.11, 44.8, 25, 738, 00 , 14:00:03, 29-Aug-2018
27, 36.57, 45.2, 24, 738, 00 , 14:15:03, 29-Aug-2018
28, 34.33, 45.4, 24, 738, 00 , 14:30:03, 29-Aug-2018
29, 15.52, 45.6, 23, 738, 00 , 14:45:03, 29-Aug-2018
30, 77.89, 45.9, 23, 738, 00 , 15:00:03, 29-Aug-2018
31, 45.60, 46.2, 23, 738, 00 , 15:15:03, 29-Aug-2018
32, 42.36, 45.9, 23, 738, 00 , 15:30:03, 29-Aug-2018
33, 31.84, 45.6, 23, 738, 00 , 15:45:03, 29-Aug-2018
34, 25.51, 46.1, 23, 738, 00 , 16:00:03, 29-Aug-2018
35, 21.40, 46.1, 22, 738, 00 , 16:15:03, 29-Aug-2018
36, 25.87, 45.9, 22, 736, 00 , 16:30:03, 29-Aug-2018
37, 23.07, 45.7, 22, 736, 00 , 16:45:03, 29-Aug-2018
38, 61.98, 45.4, 23, 736, 00 , 17:00:03, 29-Aug-2018
39, 51.34, 45.2, 24, 736, 00 , 17:15:03, 29-Aug-2018
40, 28.88, 44.3, 25, 736, 00 , 17:30:03, 29-Aug-2018

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"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 165.975857
"Max Disp @ ", 09:42:25 29-Aug-2018
"Max STEL ", 47.415452
"Max STEL @ ", 09:54:43 29-Aug-2018
"Avg point ", 35.307431
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 35.04, 14.0, 74, 740, 01 , 07:45:03, 29-Aug-2018
2, 27.41, 17.4, 64, 740, 01 , 08:00:03, 29-Aug-2018
3, 26.77, 20.8, 53, 740, 01 , 08:15:03, 29-Aug-2018
4, 26.75, 24.1, 45, 740, 01 , 08:30:03, 29-Aug-2018
5, 29.80, 27.3, 38, 740, 01 , 08:45:03, 29-Aug-2018
6, 43.92, 29.8, 33, 740, 01 , 09:00:03, 29-Aug-2018
7, 37.37, 31.8, 30, 740, 01 , 09:15:03, 29-Aug-2018
8, 35.27, 32.8, 28, 740, 01 , 09:30:03, 29-Aug-2018
9, 46.42, 33.7, 27, 740, 01 , 09:45:03, 29-Aug-2018
10, 37.56, 35.0, 25, 740, 01 , 10:00:03, 29-Aug-2018
11, 32.11, 36.1, 24, 740, 01 , 10:15:03, 29-Aug-2018
12, 45.27, 36.5, 24, 740, 01 , 10:30:03, 29-Aug-2018
13, 37.42, 40.0, 16, 736, 01 , 13:26:18, 29-Aug-2018
14, 60.66, 42.4, 15, 738, 01 , 13:41:18, 29-Aug-2018
15, 52.35, 43.5, 13, 738, 01 , 13:56:18, 29-Aug-2018
16, 43.71, 43.3, 15, 738, 01 , 14:11:18, 29-Aug-2018
17, 34.71, 43.3, 13, 738, 01 , 14:26:18, 29-Aug-2018
18, 31.63, 42.5, 14, 738, 01 , 14:41:18, 29-Aug-2018
19, 39.81, 40.2, 16, 738, 01 , 14:56:18, 29-Aug-2018
20, 82.63, 36.9, 19, 738, 01 , 15:11:18, 29-Aug-2018
21, 54.84, 34.2, 22, 738, 01 , 15:26:18, 29-Aug-2018
22, 46.50, 32.6, 24, 738, 01 , 15:41:18, 29-Aug-2018
23, 38.78, 32.0, 25, 738, 01 , 15:56:18, 29-Aug-2018
24, 33.38, 31.4, 26, 738, 01 , 16:11:18, 29-Aug-2018
25, 58.79, 30.9, 26, 738, 01 , 16:26:18, 29-Aug-2018
26, 47.39, 30.6, 26, 738, 01 , 16:41:18, 29-Aug-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 29-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 29-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 15	Unit 13 UW	Unit 12	Unit 14	Unit 11	Threshold	Trigger
2018-08-29 08:30:00	-101.35	76.84	-19.91	-28.13	-19.07	150	100
2018-08-29 08:45:00	-126.48	23.88	6.27	-2.42	-1.29	150	100
2018-08-29 09:00:00	-149.11	29.16	6.92	-6.88	-2.27	150	100
2018-08-29 09:15:00	-151.09	28.06	9.62	-6.28	-0.47	150	100
2018-08-29 09:30:00	-151.07	27.78	9.44	-5.02	1.38	150	100
2018-08-29 09:45:00	-143.51	26.15	11.29	-3.19	2.05	150	100
2018-08-29 10:00:00	-154.24	30.04	11.27	-6.03	11.01	150	100
2018-08-29 10:15:00	-157.53	31.8	6.38	-8.71	-1.08	150	100
2018-08-29 10:30:00	-156.59	29.38	8.62	-7.83	1.72	150	100
2018-08-29 10:45:00	-170.21	41.47	-5.48	-19.57	-13.38	150	100
2018-08-29 11:00:00	-155.62	25.13	9.77	-4.05	1.52	150	100
2018-08-29 11:15:00	-169.45	37.31	10.4	-16.31	-10.63	150	100
2018-08-29 11:30:00	-142.34	24.59	9.76	0.74	0.89	150	100
2018-08-29 11:45:00	-156.3	23.45	10.67	4.91	6.84	150	100
2018-08-29 12:00:00	-157.97	23.99	11.02	1.89	8.44	150	100
2018-08-29 12:15:00	-163.57	29.79	23.56	-9.03	-4.35	150	100
2018-08-29 12:30:00	-157.37	24.58	12.88	1.9	9.22	150	100
2018-08-29 12:45:00	-157.27	23.78	8.82	-5.56	0.18	150	100
2018-08-29 13:00:00	-157.02	22.89	9.47	-5.61	1.86	150	100
2018-08-29 13:15:00	-166.66	32.9	32.82	28.79	14.53	150	100
2018-08-29 13:30:00	-148.54	21.95	11.68	-5.17	2.47	150	100
2018-08-29 13:45:00	-161.79	27.96	11.26	-10.84	1.79	150	100
2018-08-29 14:00:00	-155.7	24.66	13.57	-5.84	26.09	150	100
2018-08-29 14:15:00	-156.08	27.03	5.01	-0.9	11.58	150	100
2018-08-29 14:30:00	-153.83	20.4	9.03	-6.07	4.41	150	100
2018-08-29 14:45:00	-154.99	21.24	8.76	-7.97	-1.33	150	100
2018-08-29 15:00:00	-156.34	22	6.97	-4.44	-2.72	150	100
2018-08-29 15:15:00	-156.8	22.72	6.35	-8.16	-2.8	150	100
2018-08-29 15:30:00	-128.29	27.26	12.59	-5.13	-2.21	150	100
2018-08-29 15:45:00	-153.74	20.76	8.9	-8.42	-1.13	150	100
2018-08-29 16:00:00	-159.33	25.19	4.32	-13.18	-4.14	150	100
2018-08-29 16:15:00	-169.55	36.32	38.7	-11.73	-9.1	150	100
2018-08-29 16:30:00	-154.94	21.14	8.74	-8.62	-2.25	150	100
2018-08-29 16:45:00	-147.96	19.22	9.35	-2.59	-0.64	150	100

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"Log Period ", 00:15:00
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"Unit   ", 0
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"RH CORRECT ", "ENABLED "
"Max Disp   ", 277.112532
"Max Disp @ ", 15:23:09 29-Aug-2018
"Max STEL   ", 25.053966
"Max STEL @ ", 08:20:33 29-Aug-2018
"Avg point ", -125.053048
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
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1, -24.51, 21.8, 77, 740, 41 , 08:30:03, 29-Aug-2018
2, -102.60, 24.8, 69, 740, 40 , 08:45:03, 29-Aug-2018
3, -119.95, 26.9, 60, 740, 40 , 09:00:03, 29-Aug-2018
4, -123.03, 27.3, 58, 740, 40 , 09:15:03, 29-Aug-2018
5, -123.29, 27.2, 58, 740, 40 , 09:30:03, 29-Aug-2018
6, -117.36, 27.3, 58, 740, 40 , 09:45:03, 29-Aug-2018
7, -124.20, 27.6, 57, 740, 40 , 10:00:03, 29-Aug-2018
8, -125.73, 28.0, 56, 740, 40 , 10:15:03, 29-Aug-2018
9, -127.21, 28.4, 55, 740, 40 , 10:30:03, 29-Aug-2018
10, -128.74, 28.8, 54, 740, 40 , 10:45:03, 29-Aug-2018
11, -130.49, 29.3, 52, 740, 40 , 11:00:03, 29-Aug-2018
12, -132.14, 29.6, 50, 740, 40 , 11:15:03, 29-Aug-2018
13, -117.75, 30.1, 49, 740, 40 , 11:30:03, 29-Aug-2018
14, -132.85, 30.6, 48, 740, 40 , 11:45:03, 29-Aug-2018
15, -133.98, 31.0, 46, 740, 40 , 12:00:03, 29-Aug-2018
16, -133.78, 31.5, 44, 740, 40 , 12:15:03, 29-Aug-2018
17, -132.79, 32.2, 41, 738, 40 , 12:30:03, 29-Aug-2018
18, -133.49, 32.7, 39, 738, 40 , 12:45:03, 29-Aug-2018
19, -134.13, 33.3, 37, 738, 40 , 13:00:03, 29-Aug-2018
20, -133.76, 33.8, 36, 738, 40 , 13:15:03, 29-Aug-2018
21, -126.59, 34.4, 34, 738, 40 , 13:30:03, 29-Aug-2018
22, -133.83, 35.0, 33, 738, 40 , 13:45:03, 29-Aug-2018
23, -131.04, 35.3, 32, 738, 40 , 14:00:03, 29-Aug-2018
24, -129.05, 35.4, 30, 738, 40 , 14:15:03, 29-Aug-2018
25, -133.43, 35.4, 30, 738, 40 , 14:30:03, 29-Aug-2018
26, -133.75, 35.8, 29, 738, 40 , 14:45:03, 29-Aug-2018
27, -134.34, 36.2, 29, 738, 40 , 15:00:03, 29-Aug-2018
28, -134.08, 36.6, 28, 738, 40 , 15:15:03, 29-Aug-2018
29, -101.03, 37.0, 28, 738, 40 , 15:30:03, 29-Aug-2018
30, -132.98, 37.4, 27, 738, 40 , 15:45:03, 29-Aug-2018
31, -134.14, 37.4, 27, 738, 40 , 16:00:03, 29-Aug-2018
32, -133.23, 37.5, 25, 738, 40 , 16:15:03, 29-Aug-2018
33, -133.80, 37.5, 25, 738, 40 , 16:30:03, 29-Aug-2018
34, -128.74, 38.0, 25, 738, 40 , 16:45:03, 29-Aug-2018

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"Start Time ", 08:15:03
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"Number   ", 34
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"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 335.713530
"Max Disp @ ", 08:17:37 29-Aug-2018
"Max STEL   ", 76.838698
"Max STEL @ ", 08:30:03 29-Aug-2018
"Avg point ", 27.965555
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 76.84, 23.3, 68, 738, 03 , 08:30:03, 29-Aug-2018
2, 23.88, 27.3, 72, 738, 00 , 08:45:03, 29-Aug-2018
3, 29.16, 32.8, 61, 738, 00 , 09:00:03, 29-Aug-2018
4, 28.06, 37.0, 49, 738, 00 , 09:15:03, 29-Aug-2018
5, 27.78, 39.5, 39, 738, 00 , 09:30:03, 29-Aug-2018
6, 26.15, 41.2, 32, 738, 00 , 09:45:03, 29-Aug-2018
7, 30.04, 42.8, 32, 738, 00 , 10:00:03, 29-Aug-2018
8, 31.80, 44.0, 31, 738, 00 , 10:15:03, 29-Aug-2018
9, 29.38, 45.0, 29, 738, 00 , 10:30:03, 29-Aug-2018
10, 41.47, 45.4, 29, 738, 00 , 10:45:03, 29-Aug-2018
11, 25.13, 45.8, 29, 738, 00 , 11:00:03, 29-Aug-2018
12, 37.31, 45.8, 28, 738, 01 , 11:15:03, 29-Aug-2018
13, 24.59, 45.7, 29, 738, 00 , 11:30:03, 29-Aug-2018
14, 23.45, 45.6, 29, 738, 00 , 11:45:03, 29-Aug-2018
15, 23.99, 45.6, 29, 738, 00 , 12:00:03, 29-Aug-2018
16, 29.79, 45.0, 28, 738, 00 , 12:15:03, 29-Aug-2018
17, 24.58, 43.9, 28, 738, 00 , 12:30:03, 29-Aug-2018
18, 23.78, 42.4, 30, 738, 00 , 12:45:03, 29-Aug-2018
19, 22.89, 41.4, 28, 738, 00 , 13:00:03, 29-Aug-2018
20, 32.90, 40.5, 30, 738, 00 , 13:15:03, 29-Aug-2018
21, 21.95, 40.5, 35, 738, 00 , 13:30:03, 29-Aug-2018
22, 27.96, 40.7, 33, 738, 00 , 13:45:03, 29-Aug-2018
23, 24.66, 40.5, 35, 738, 00 , 14:00:03, 29-Aug-2018
24, 27.03, 40.2, 34, 736, 00 , 14:15:03, 29-Aug-2018
25, 20.40, 40.1, 34, 736, 00 , 14:30:03, 29-Aug-2018
26, 21.24, 40.2, 34, 736, 00 , 14:45:03, 29-Aug-2018
27, 22.00, 40.4, 34, 736, 00 , 15:00:03, 29-Aug-2018
28, 22.72, 40.6, 34, 736, 00 , 15:15:03, 29-Aug-2018
29, 27.26, 40.9, 31, 736, 00 , 15:30:03, 29-Aug-2018
30, 20.76, 41.6, 28, 736, 00 , 15:45:03, 29-Aug-2018
31, 25.19, 41.8, 29, 736, 00 , 16:00:03, 29-Aug-2018
32, 36.32, 41.5, 28, 736, 00 , 16:15:03, 29-Aug-2018
33, 21.14, 41.2, 23, 736, 00 , 16:30:03, 29-Aug-2018
34, 19.22, 41.2, 23, 736, 00 , 16:45:03, 29-Aug-2018

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"Log Period ", 00:15:00
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"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 684.404469
"Max Disp @ ", 16:02:34 29-Aug-2018
"Max STEL   ", 75.602846
"Max STEL @ ", 16:11:53 29-Aug-2018
"Avg point ", 37.931304
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
    1,   56.93, 20.5,   82,   740, 01 , 08:30:03, 29-Aug-2018
    2,   30.15, 24.1,   71,   740, 00 , 08:45:03, 29-Aug-2018
    3,   36.08, 28.9,   58,   740, 00 , 09:00:03, 29-Aug-2018
    4,   37.68, 33.0,   47,   740, 00 , 09:15:03, 29-Aug-2018
    5,   37.22, 35.6,   40,   740, 00 , 09:30:03, 29-Aug-2018
    6,   37.44, 37.3,   37,   740, 00 , 09:45:03, 29-Aug-2018
    7,   41.31, 38.9,   34,   740, 00 , 10:00:03, 29-Aug-2018
    8,   38.18, 39.8,   33,   740, 00 , 10:15:03, 29-Aug-2018
    9,   38.00, 40.3,   32,   740, 01 , 10:30:03, 29-Aug-2018
   10,   35.99, 40.6,   32,   740, 01 , 10:45:03, 29-Aug-2018
   11,   34.90, 40.8,   31,   740, 01 , 11:00:03, 29-Aug-2018
   12,   47.71, 40.7,   31,   740, 01 , 11:15:03, 29-Aug-2018
   13,   34.35, 40.2,   33,   740, 01 , 11:30:03, 29-Aug-2018
   14,   34.12, 39.9,   32,   740, 01 , 11:45:03, 29-Aug-2018
   15,   35.01, 39.5,   32,   740, 00 , 12:00:03, 29-Aug-2018
   16,   53.35, 39.0,   32,   740, 00 , 12:15:03, 29-Aug-2018
   17,   37.46, 38.1,   33,   740, 01 , 12:30:03, 29-Aug-2018
   18,   32.60, 37.2,   33,   740, 00 , 12:45:03, 29-Aug-2018
   19,   32.36, 36.9,   34,   740, 01 , 13:00:03, 29-Aug-2018
   20,   65.72, 36.7,   34,   740, 01 , 13:15:03, 29-Aug-2018
   21,   33.63, 36.9,   33,   740, 00 , 13:30:03, 29-Aug-2018
   22,   39.22, 37.4,   33,   740, 00 , 13:45:03, 29-Aug-2018
   23,   38.23, 37.2,   34,   740, 00 , 14:00:03, 29-Aug-2018
   24,   32.04, 36.9,   33,   740, 00 , 14:15:03, 29-Aug-2018
   25,   29.43, 36.7,   33,   738, 00 , 14:30:03, 29-Aug-2018
   26,   30.00, 36.6,   32,   738, 00 , 14:45:03, 29-Aug-2018
   27,   28.97, 36.6,   33,   738, 00 , 15:00:03, 29-Aug-2018
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DAILY OBSERVATION REPORT

Report No.:	81	Project File:	MN0832D	Date:	08/30/2018

Geosyntec consultants

engineers | scientists | innovators

Beech and Bonaparte engineering p.c.

an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Jim Burnett

Site Representative: Ashwin Ranna

Arrive at Site: 0700hrs. Leave Site: 1800hrs.

Contractor: Recon

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Light rain	am	Sunny and Clear	Pm
Temperature:	64° F	am	78° F	Pm
Wind Direction:	3 W	am	12 NE	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 81 Project File: MN0832D Date: 08/30/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 543 (Revised from 8/29/18)

Weight: ~20 tons/each Total Weight to date: ~11840Tons

Non Haz Soil Removal:

Total Loads today: 23 Total Loads to date: 321

Weight: 20 tons/each Total Weight to date: 7548Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: Tons Total Weight to date: 175 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1110

Weight: ~21 Tons/each Total Weight to date: ~22627Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	81	Project File:	MN0832D	Date:	08/30/2018

Summary of Events

AM

- Geosyntec arrived on site at 0700. Calibrated and configured dust monitors. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed work plan for the day. Recon planned to ship out Non Haz material and ship water from frac tanks.
- Geosyntec deployed dust monitors in the MSA and signed manifests for Non Haz materials. 2 trucks of water totaling about 11000 gallons were shipped offsite from the Lay down area Frac tanks.
- Geosyntec collected samples for Topsoil and prepared them for shipping.
- Recon cleaned out 2 Frac tanks and had them transported offsite.
- Recon continued housekeeping activities around the site. Water truck was run continuously till the end of day.
- School contractor continued working on the canopy and began excavating the backfill to lay utilities in phase 1 and 2.
- Equipment demobilization from site continued.
- A temporary fence was installed between the EHS and STCC.

PM

- 11 trucks of non-hazardous material were loaded for offsite shipment.
- Recon covered piles in the MSA at the end of the day. Geosyntec collected dust monitors and analyzed the data.
- Scott Williams from NYSDEC was on site around 1600. He inspected progress and left site around 1630.
- Geosyntec collected the monitors, downloaded data and shut down and left site around 1800. Topsoil samples were shipped via FedEx for analysis.

Report No.: 81 Project File: MN0832D Date: 08/30/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Addison Hofferth
- Rich Tonnucour
- Patrick Carr
- (Recon labor) X16

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX4
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	NYSDEC	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date (RPL Turnover to ECSD): 8/29/18
Completion Date (MSA Turnover to STCC): TBD

ITEMS OF CONCERN:

Site Representative: Ashwin Ranna

Name (Signature):



Report No.:	81	Project File:	MN0832D	Date:	08/30/2018

Photo Log
Date : 08/30/2018

	
Preparing to install fence between STCC and EHS. Material in swale removed	Shipping out material from MSA.
	
Stockpiles covered at end of day.	Frac tank water being shipped

Report No.: 81 Project File: MN0832D Date: 08/30/2018

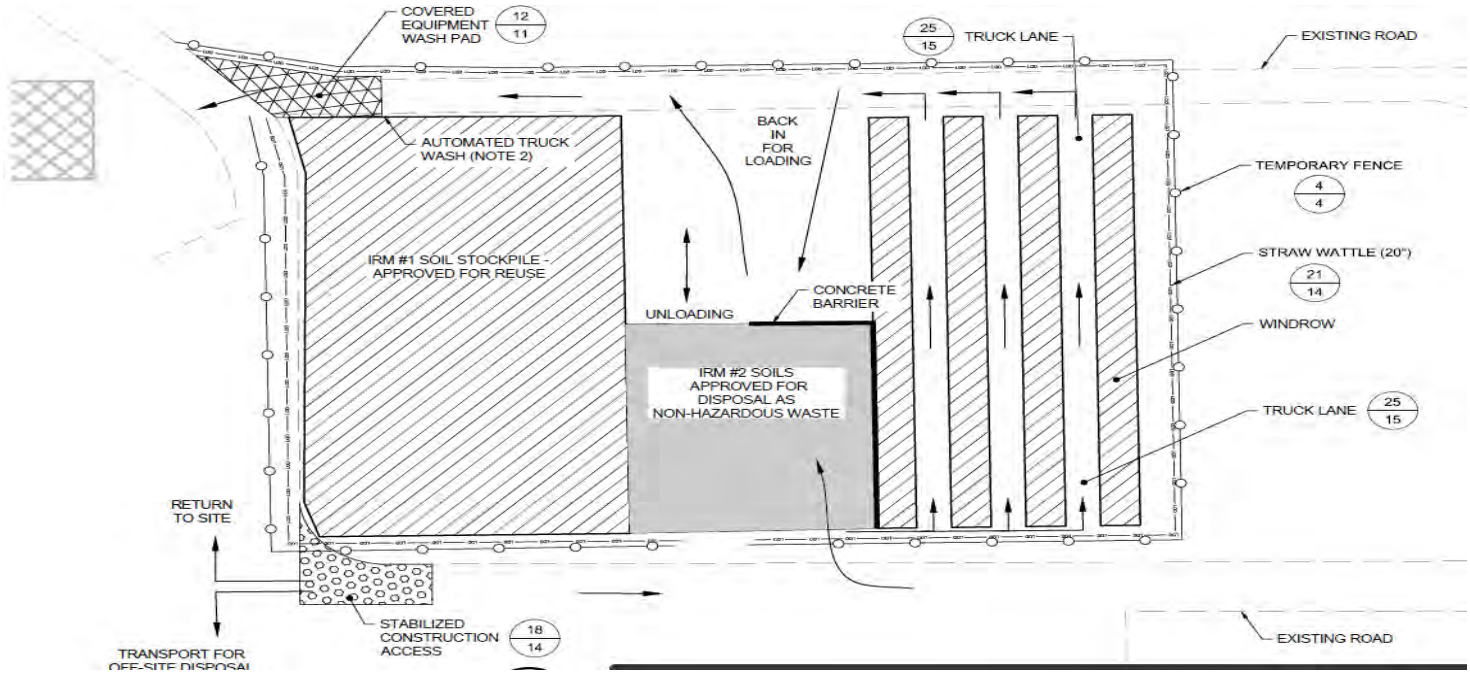
Site Map

Rear Parking Lot



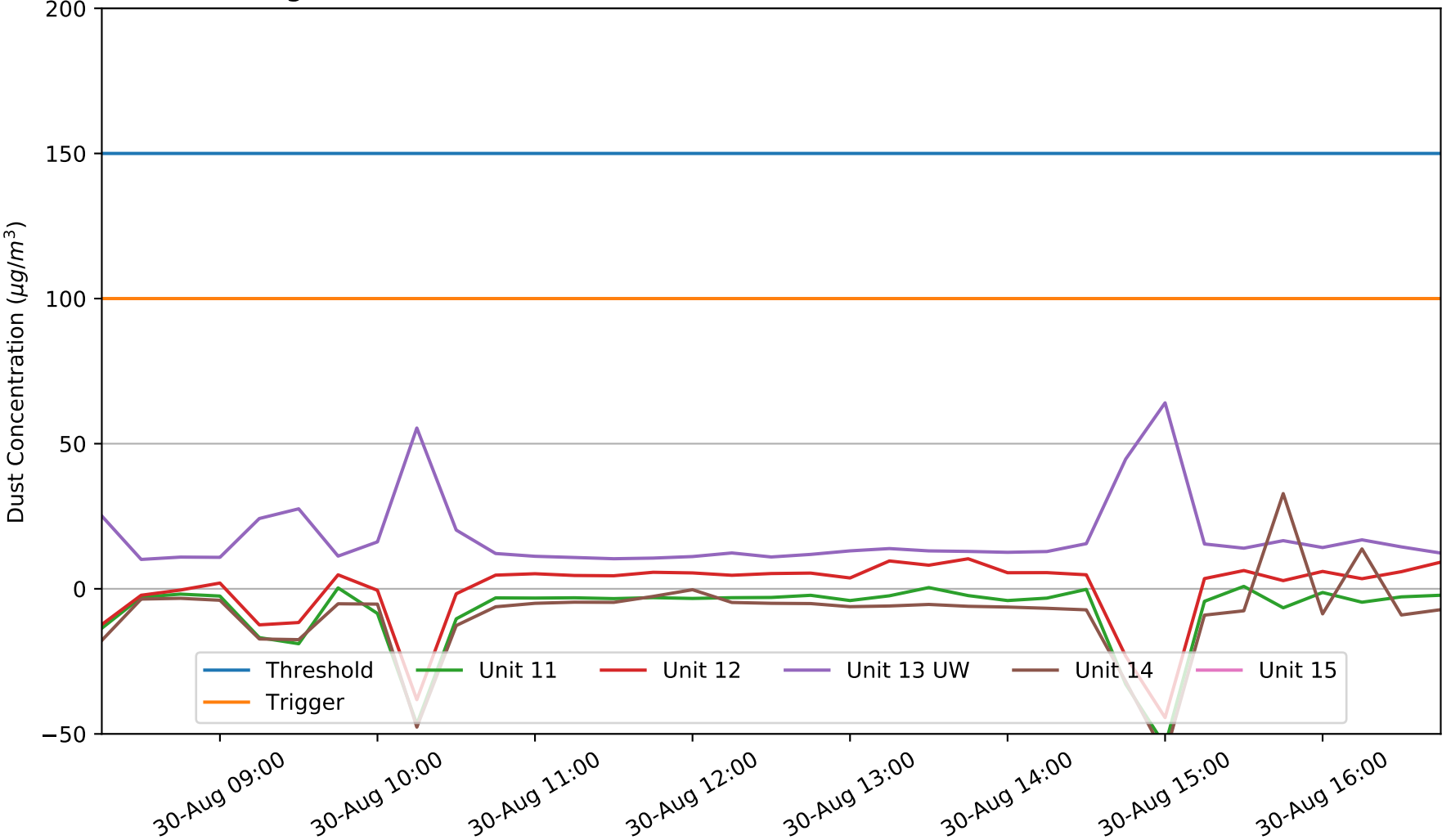
MSA

N



Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 30-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 30-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 13 UW	Unit 14	Unit 11	Unit 12	Unit 15	Threshold	Trigger
2018-08-30 08:15:00	25.09	-17.78	-13.59	-12.31	-126.89	150	100
2018-08-30 08:30:00	10.12	-3.54	-2.89	-2.22	-101.97	150	100
2018-08-30 08:45:00	10.92	-3.28	-1.83	-0.42	-107.83	150	100
2018-08-30 09:00:00	10.84	-3.95	-2.5	1.98	-116.28	150	100
2018-08-30 09:15:00	24.22	-17.29	-16.82	-12.42	-133.84	150	100
2018-08-30 09:30:00	27.56	-17.52	-18.93	-11.62	-147.27	150	100
2018-08-30 09:45:00	11.26	-5.16	0.31	4.82	-135.89	150	100
2018-08-30 10:00:00	16.17	-5.28	-8.5	-0.52	-143.65	150	100
2018-08-30 10:15:00	55.4	-47.66	-46.62	-38.21	-184.52	150	100
2018-08-30 10:30:00	20.24	-12.66	-10.35	-1.71	-150.79	150	100
2018-08-30 10:45:00	12.16	-6.2	-3.13	4.71	-143.56	150	100
2018-08-30 11:00:00	11.2	-5	-3.19	5.19	-142.3	150	100
2018-08-30 11:15:00	10.79	-4.61	-3.1	4.59	-143.98	150	100
2018-08-30 11:30:00	10.36	-4.67	-3.38	4.49	-142.46	150	100
2018-08-30 11:45:00	10.58	-2.62	-3.05	5.69	-142.59	150	100
2018-08-30 12:00:00	11.11	-0.31	-3.32	5.47	-142.88	150	100
2018-08-30 12:15:00	12.35	-4.71	-3.06	4.66	-143.25	150	100
2018-08-30 12:30:00	10.97	-5	-2.98	5.26	-142.56	150	100
2018-08-30 12:45:00	11.85	-5.09	-2.24	5.41	-144.02	150	100
2018-08-30 13:00:00	13.07	-6.16	-4.05	3.73	-147.48	150	100
2018-08-30 13:15:00	13.86	-5.92	-2.41	9.6	-148.27	150	100
2018-08-30 13:30:00	13.06	-5.39	0.42	8.13	-147.43	150	100
2018-08-30 13:45:00	12.88	-6.03	-2.34	10.35	-147.31	150	100
2018-08-30 14:00:00	12.57	-6.29	-4.05	5.54	-147.01	150	100
2018-08-30 14:15:00	12.84	-6.72	-3.21	5.57	-147.26	150	100
2018-08-30 14:30:00	15.55	-7.25	-0.2	4.83	-149.71	150	100
2018-08-30 14:45:00	44.69	-31.91	-32.88	-23.19	-179.06	150	100
2018-08-30 15:00:00	64.08	-57.48	-54.02	-44.38	-198.42	150	100
2018-08-30 15:15:00	15.44	-9.07	-4.31	3.52	-149.83	150	100
2018-08-30 15:30:00	13.99	-7.58	0.84	6.29	-148.3	150	100
2018-08-30 15:45:00	16.59	32.81	-6.55	2.82	-148.53	150	100
2018-08-30 16:00:00	14.22	-8.64	-1.27	5.99	-148.64	150	100
2018-08-30 16:15:00	16.87	13.75	-4.62	3.48	-149.33	150	100
2018-08-30 16:30:00	14.44	-9.02	-2.78	5.9	-148.72	150	100
2018-08-30 16:45:00	12.32	-7.19	-2.22	9.18	-146.54	150	100

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DAILY OBSERVATION REPORT

Report No.:	82	Project File:	MN0832D	Date:	08/31/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Jim Burnett

Site Representative: Ashwin Ranna

Arrive at Site: 0700hrs. Leave Site: 1430hrs.

Contractor: Recon

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Cloudy	am	Partly Sunny	Pm
Temperature:	64° F	am	78° F	Pm
Wind Direction:	3 W	am	12 NE	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 82 Project File: MN0832D Date: 08/31/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 543

Weight: ~20 tons/each Total Weight to date: 12797 Tons

Non Haz Soil Removal:

Total Loads today: 21 Total Loads to date: 342

Weight: 20-33 tons/each Total Weight to date: 8279Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: Tons Total Weight to date: 175 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1110

Weight: ~21 Tons/each Total Weight to date: ~22628Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	82	Project File:	MN0832D	Date:	08/31/2018

Summary of Events

AM

- Geosyntec arrived on site at 0700. Calibrated and configured dust monitors. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed work plan for the day. Recon planned to ship out Non Haz material and ship water from frac tanks.
- Recon confirmed that they planned to end work early and not work over the long weekend
- Geosyntec deployed dust monitors and signed manifests for Non Haz materials. 2 trucks of water totaling about 11000 gallons were shipped offsite from the Lay down area Frac tanks.
- Geosyntec located monitoring MW-42 on the eastern edge of the RPL.
- Recon continued housekeeping activities around the site. Water truck was run continuously till the end of day.
- Equipment demobilization from site continued.

PM

- 21 trucks of non-hazardous material were loaded for offsite shipment.
- Recon covered piles in the MSA at the end of the day. Geosyntec collected dust monitors and analyzed the data.
- Geosyntec collected the monitors, downloaded data and shut down and left site around 1430. Topsoil samples were handed over to ATL for Geotechnical analysis.

DAILY OBSERVATION REPORT

Report No.:	82	Project File:	MN0832D	Date:	08/31/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Addison Hofferth
- Rich Tonnucour
- Patrick Carr
- Tom Tanner
- (Recon labor) X16

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX4
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: 8/24/18

ITEMS OF CONCERN:

Monitoring well MW-42 on the eastern edge of the RPL appears to have been damaged during excavation. The well will be inspected and repaired.

Site Representative: Ashwin Ranna

Name (Signature):



Report No.: 82 Project File: MN0832D Date: 08/31/2018

Photo Log
Date : 08/31/2018



Equipment staged on truck wash near MSA for Decon before removal



Loading non haz material from stockpile



Decon of trucks at MSA



Stockpile covered at end of the day.

DAILY OBSERVATION REPORT

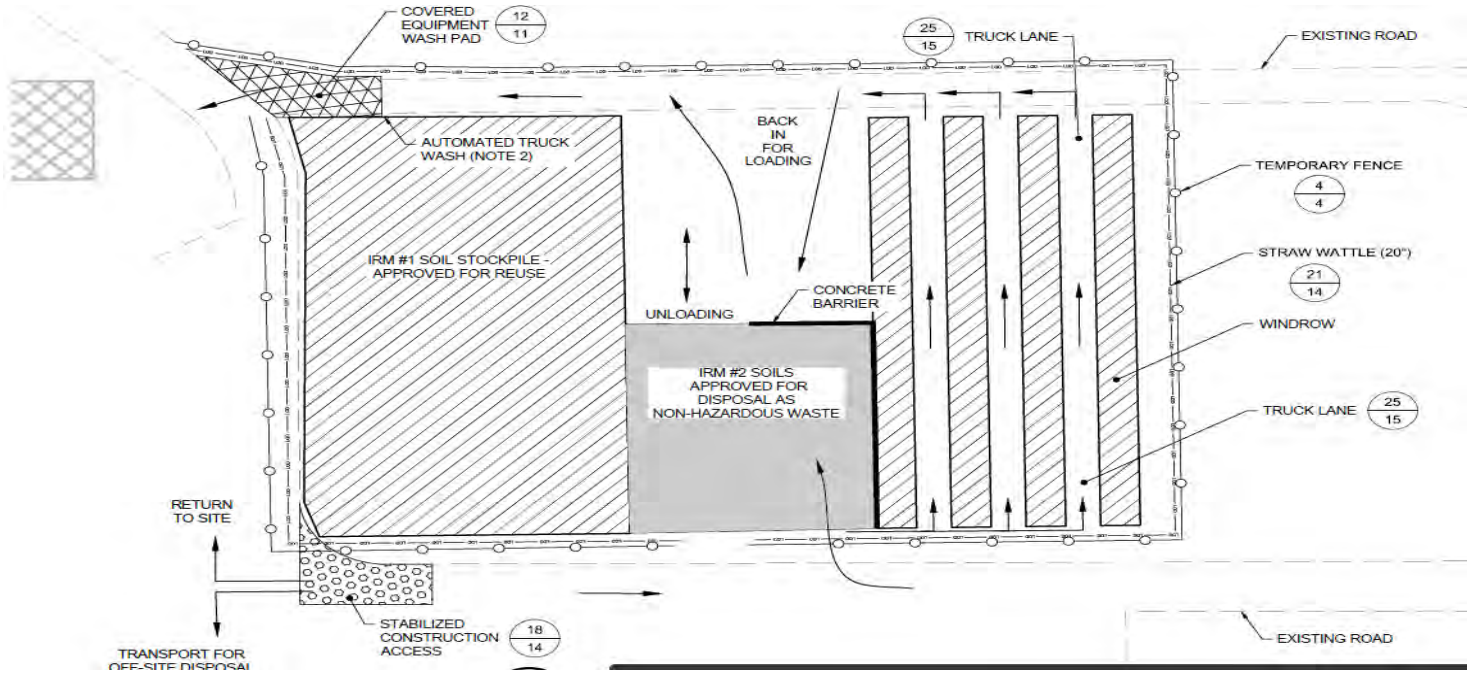
Report No.:	82	Project File:	MN0832D	Date:	08/31/2018

Site Map

Rear Parking Lot

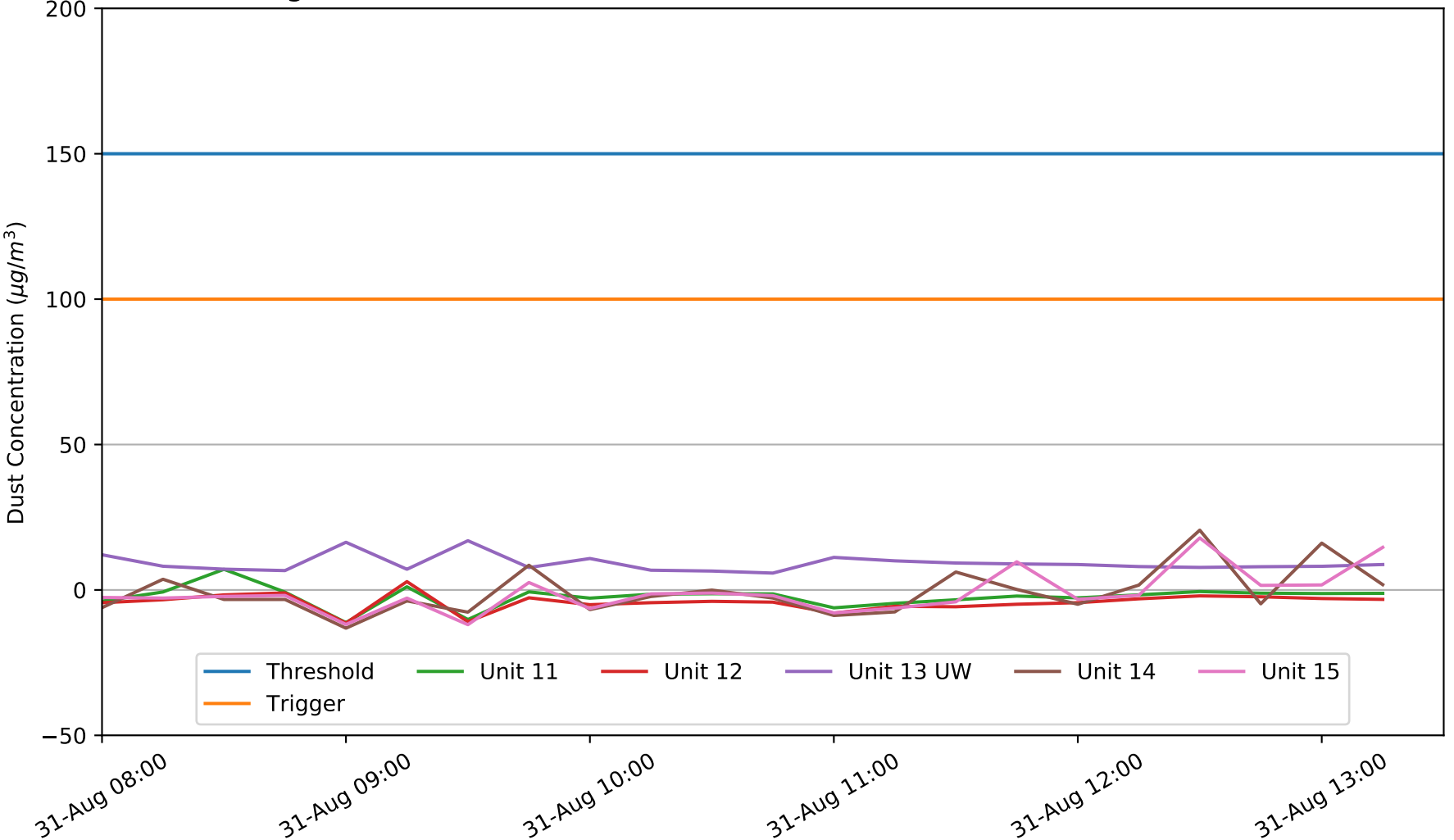


MSA



Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 31-Aug-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 31-Aug-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 12	Unit 14	Unit 11	Unit 15	Unit 13 UW	Threshold	Trigger
2018-08-31 08:00:00	-4.4	-6.09	-3.87	-2.59	12.1	150	100
2018-08-31 08:15:00	-3.37	3.68	-0.69	-2.79	8.15	150	100
2018-08-31 08:30:00	-1.7	-3.27	7.1	-2.22	7.15	150	100
2018-08-31 08:45:00	-1.01	-3.27	-0.74	-1.89	6.66	150	100
2018-08-31 09:00:00	-11.38	-13.15	-11.23	-11.86	16.4	150	100
2018-08-31 09:15:00	2.86	-3.77	1.09	-2.8	7.11	150	100
2018-08-31 09:30:00	-10.93	-7.64	-10.17	-11.94	16.93	150	100
2018-08-31 09:45:00	-2.7	8.5	-0.66	2.56	7.71	150	100
2018-08-31 10:00:00	-5.07	-6.76	-2.82	-6.4	10.81	150	100
2018-08-31 10:15:00	-4.38	-2.26	-1.46	-1.34	6.79	150	100
2018-08-31 10:30:00	-3.92	-0.06	-1.3	-1.07	6.5	150	100
2018-08-31 10:45:00	-4.19	-2.78	-1.36	-1.95	5.8	150	100
2018-08-31 11:00:00	-7.97	-8.78	-6.15	-7.89	11.2	150	100
2018-08-31 11:15:00	-5.62	-7.55	-4.61	-6.26	10.01	150	100
2018-08-31 11:30:00	-5.78	6.17	-3.39	-4.08	9.26	150	100
2018-08-31 11:45:00	-4.92	0.17	-2.1	9.68	8.95	150	100
2018-08-31 12:00:00	-4.38	-4.92	-2.72	-3.22	8.74	150	100
2018-08-31 12:15:00	-3.05	1.66	-1.69	-1.83	8.04	150	100
2018-08-31 12:30:00	-2.04	20.56	-0.55	17.89	7.75	150	100
2018-08-31 12:45:00	-2.35	-4.77	-1.1	1.57	7.99	150	100
2018-08-31 13:00:00	-2.95	16.11	-1.23	1.72	8.13	150	100
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"Errors ", 0000
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3, 5.45, 19.3, 64, 746, 00 , 08:30:03, 31-Aug-2018
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5, 5.02, 19.3, 63, 746, 00 , 09:00:03, 31-Aug-2018
6, 9.97, 19.1, 65, 746, 00 , 09:15:03, 31-Aug-2018
7, 6.00, 18.0, 68, 746, 00 , 09:30:03, 31-Aug-2018
8, 5.01, 16.9, 75, 746, 01 , 09:45:03, 31-Aug-2018
9, 5.74, 15.9, 79, 746, 00 , 10:00:03, 31-Aug-2018
10, 2.41, 15.3, 83, 746, 00 , 10:15:03, 31-Aug-2018
11, 2.58, 15.0, 84, 746, 00 , 10:30:03, 31-Aug-2018
12, 1.61, 15.3, 84, 746, 00 , 10:45:03, 31-Aug-2018
13, 3.23, 16.3, 81, 746, 00 , 11:00:03, 31-Aug-2018
14, 4.39, 16.8, 78, 746, 00 , 11:15:03, 31-Aug-2018
15, 3.48, 17.4, 76, 746, 00 , 11:30:03, 31-Aug-2018
16, 4.03, 18.3, 74, 746, 00 , 11:45:03, 31-Aug-2018
17, 4.36, 19.2, 71, 746, 00 , 12:00:03, 31-Aug-2018
18, 4.99, 20.3, 69, 746, 00 , 12:15:03, 31-Aug-2018
19, 5.71, 21.4, 66, 746, 00 , 12:30:03, 31-Aug-2018
20, 5.64, 21.5, 65, 744, 00 , 12:45:03, 31-Aug-2018
21, 5.18, 20.9, 67, 744, 00 , 13:00:03, 31-Aug-2018
22, 5.50, 20.9, 68, 744, 00 , 13:15:03, 31-Aug-2018
23, 9.78, 21.2, 68, 744, 00 , 13:30:03, 31-Aug-2018

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"RH CORRECT ", "ENABLED "
"Max Disp ", 203.087902
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1, 6.01, 17.0, 65, 746, 01 , 08:00:03, 31-Aug-2018
2, 11.83, 17.0, 68, 746, 00 , 08:15:03, 31-Aug-2018
3, 3.88, 17.2, 68, 746, 00 , 08:30:03, 31-Aug-2018
4, 3.39, 17.4, 68, 746, 00 , 08:45:03, 31-Aug-2018
5, 3.25, 17.6, 69, 746, 00 , 09:00:03, 31-Aug-2018
6, 3.34, 18.0, 69, 746, 00 , 09:15:03, 31-Aug-2018
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8, 16.21, 18.0, 69, 746, 00 , 09:45:03, 31-Aug-2018
9, 4.05, 17.7, 71, 746, 00 , 10:00:03, 31-Aug-2018
10, 4.53, 17.5, 72, 746, 00 , 10:15:03, 31-Aug-2018
11, 6.44, 17.5, 74, 746, 00 , 10:30:03, 31-Aug-2018
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17, 3.82, 23.1, 56, 746, 00 , 12:00:03, 31-Aug-2018
18, 9.70, 23.9, 54, 746, 00 , 12:15:03, 31-Aug-2018
19, 28.31, 24.7, 52, 746, 00 , 12:30:03, 31-Aug-2018
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"Errors ", 0000
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3, 14.25, 21.7, 58, 744, 00 , 08:30:03, 31-Aug-2018
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5, 5.17, 21.9, 57, 744, 00 , 09:00:03, 31-Aug-2018
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"Avg point ", 8.131079
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"Errors ", 0000
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7, 4.99, 19.6, 63, 746, 00 , 09:30:03, 31-Aug-2018
8, 10.27, 18.8, 67, 746, 00 , 09:45:03, 31-Aug-2018
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11, 5.43, 17.4, 74, 746, 00 , 10:30:03, 31-Aug-2018
12, 3.85, 17.8, 74, 746, 00 , 10:45:03, 31-Aug-2018
13, 3.31, 19.0, 71, 746, 00 , 11:00:03, 31-Aug-2018
14, 3.75, 20.1, 67, 746, 00 , 11:15:03, 31-Aug-2018
15, 5.18, 20.9, 63, 746, 00 , 11:30:03, 31-Aug-2018
16, 18.63, 21.6, 62, 746, 00 , 11:45:03, 31-Aug-2018
17, 5.52, 22.5, 59, 746, 00 , 12:00:03, 31-Aug-2018
18, 6.21, 23.4, 57, 746, 00 , 12:15:03, 31-Aug-2018
19, 25.64, 24.2, 55, 744, 00 , 12:30:03, 31-Aug-2018
20, 9.56, 24.5, 54, 744, 00 , 12:45:03, 31-Aug-2018
21, 9.85, 23.9, 56, 744, 00 , 13:00:03, 31-Aug-2018
22, 23.39, 23.8, 57, 744, 00 , 13:15:03, 31-Aug-2018

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"RH CORRECT ", "ENABLED "
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"Max STEL ", 17.066597
"Max STEL @ ", 09:28:23 31-Aug-2018
"Avg point ", 9.132529
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
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1, 12.10, 19.3, 61, 742, 01 , 08:00:03, 31-Aug-2018
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3, 7.15, 19.9, 66, 742, 00 , 08:30:03, 31-Aug-2018
4, 6.66, 20.5, 66, 742, 00 , 08:45:03, 31-Aug-2018
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8, 7.71, 20.9, 65, 742, 00 , 09:45:03, 31-Aug-2018
9, 10.81, 20.2, 67, 742, 00 , 10:00:03, 31-Aug-2018
10, 6.79, 19.6, 70, 742, 00 , 10:15:03, 31-Aug-2018
11, 6.50, 19.5, 72, 742, 00 , 10:30:03, 31-Aug-2018
12, 5.80, 20.0, 73, 742, 00 , 10:45:03, 31-Aug-2018
13, 11.20, 21.4, 72, 742, 00 , 11:00:03, 31-Aug-2018
14, 10.01, 22.4, 70, 742, 00 , 11:15:03, 31-Aug-2018
15, 9.26, 23.4, 67, 742, 00 , 11:30:03, 31-Aug-2018
16, 8.95, 24.2, 64, 742, 00 , 11:45:03, 31-Aug-2018
17, 8.74, 25.2, 61, 742, 00 , 12:00:03, 31-Aug-2018
18, 8.04, 26.4, 58, 742, 00 , 12:15:03, 31-Aug-2018
19, 7.75, 27.6, 57, 742, 00 , 12:30:03, 31-Aug-2018
20, 7.99, 27.8, 55, 742, 00 , 12:45:03, 31-Aug-2018
21, 8.13, 26.9, 54, 742, 00 , 13:00:03, 31-Aug-2018
22, 8.74, 26.8, 55, 742, 00 , 13:15:03, 31-Aug-2018

DAILY OBSERVATION REPORT

Report No.:	83	Project File:	MN0832D	Date:	09/04/2018

Geosyntec consultants
engineers | scientists | innovators

Beech and Bonaparte engineering p.c.
an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Jim Burnett

Site Representative: Matt Schallinger

Arrive at Site: 0700hrs. Leave Site: 1730hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Cloudy	am	Partly Sunny	Pm
Temperature:	68° F	am	87° F	Pm
Wind Direction:	0 W	am	6 W	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 83 Project File: MN0832D Date: 09/04/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 543

Weight: ~20 tons/each Total Weight to date: ~12797 Tons

Non Haz Soil Removal:

Total Loads today: 30 Total Loads to date: 372

Weight: 20-33 tons/each Total Weight to date: ~8894 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: Tons Total Weight to date: 175 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1110

Weight: ~21 Tons/each Total Weight to date: ~22628Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	83	Project File:	MN0832D	Date:	09/04/2018

Summary of Events

AM

- Geosyntec arrived on site at 0700. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed work plan for the day. Recon planned to ship out non-haz material from the MSA.
- Dust monitors were not deployed this morning due to wet conditions in the MSA from overnight rains.
- No tanker trucks are expected today to haul non-haz water from the on site frac tanks.
- Geosyntec signed manifests for non-haz material.
- The last of the windrowed material was moved to the non-haz pile for shipment.
- Recon continued housekeeping activities around the site. The water and sweeper trucks ran continuously until the end of day.
- Equipment demobilization from site continued.

PM.

- Matt Schallinger arrives onsite.
- Geosyntec calibrated and deployed dust monitors as the MSA began to dry out.
- Recon began to remove the top 6 inches of the base material where the windrows were stationed in the southern portion of the MSA. This material was stationed in the non-haz pile for shipment.
- Geosyntec organized and cleaned the onsite conex box.
- Scott Williams onsite.
- 30 trucks of non-hazardous material were loaded for offsite shipment.
- Recon covered piles in the MSA at the end of the day.
- Geosyntec collected the monitors, downloaded data and shut down and left site around 1730.

Report No.: 83 Project File: MN0832D Date: 09/04/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Rich Tonnucour
- Brien Kilkenny
- Bryan Balog
- (Recon labor) X12

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX4
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	DEC	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date (RPL Turnover to ECSD): 8/29/18
Completion Date (MSA Turnover to STCC): TBD

ITEMS OF CONCERN:

None.

Site Representative: Matthew Schallinger

Name (Signature):



Report No.: 83 Project File: MN0832D Date: 09/04/2018

Photo Log
Date : 09/04/2018



Ricelli truck arrives and prepare to be loaded.



Geosyntec conex box with site materials.



Recon covers the MSA non-haz pile at days end.



Windrow section of the MSA with top 6” removed.

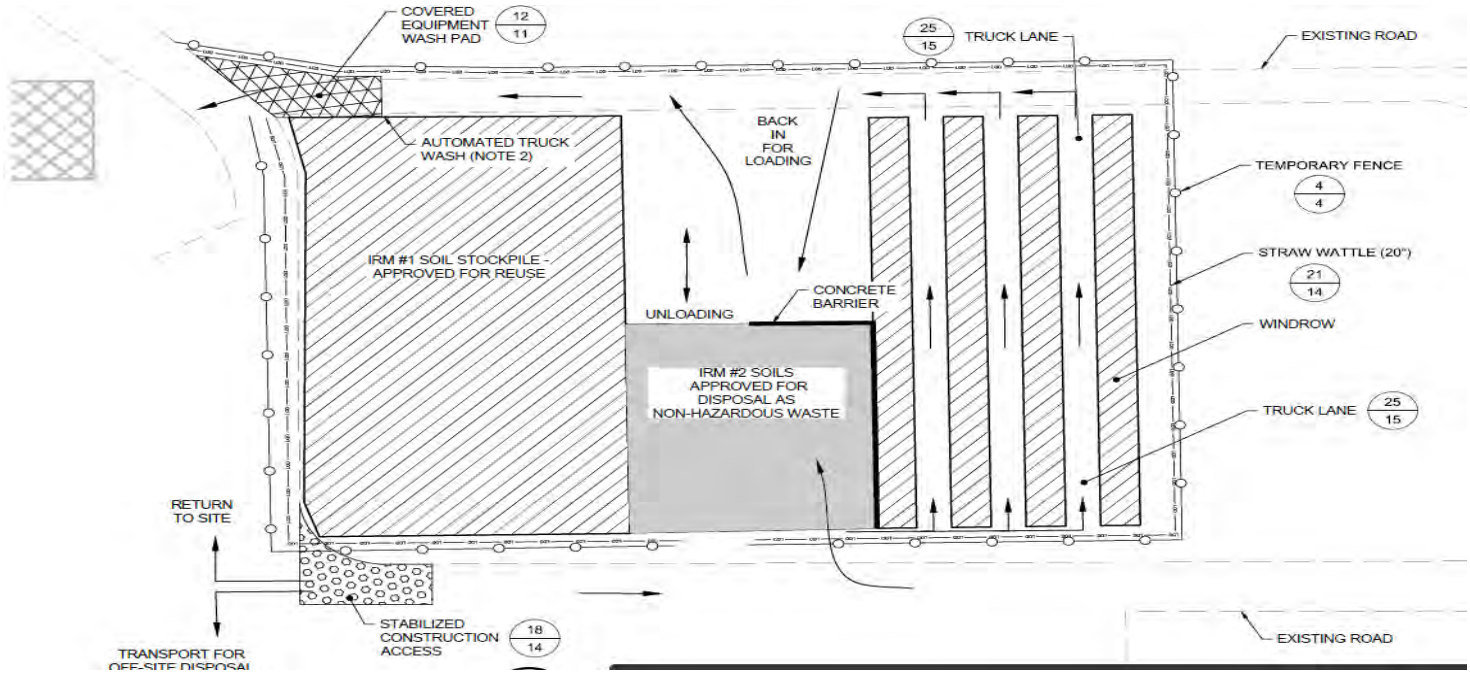
Report No.:	83	Project File:	MN0832D	Date:	09/04/2018

Site Map

Rear Parking Lot

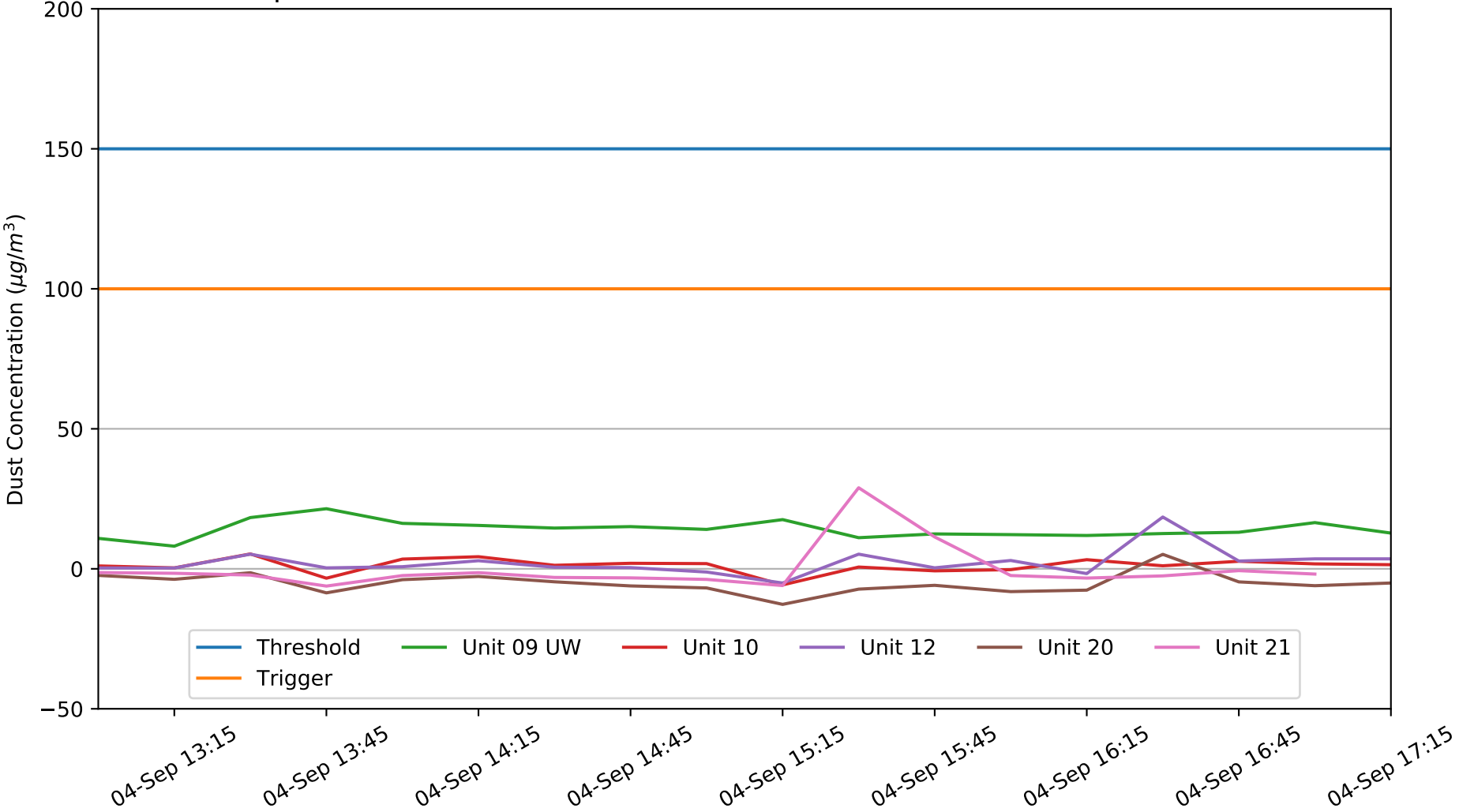


MSA



Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 04-Sep-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 04-Sep-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 21	Unit 10	Unit 09 UW	Unit 20	Unit 12	Threshold	Trigger
2018-09-04 13:00:00	-1.34	1.03	10.87	-2.36	0.3	150	100
2018-09-04 13:15:00	-1.6	0.33	8.08	-3.75	0.29	150	100
2018-09-04 13:30:00	-2.23	5.31	18.3	-1.4	5.22	150	100
2018-09-04 13:45:00	-6.17	-3.36	21.46	-8.59	0.33	150	100
2018-09-04 14:00:00	-2.42	3.47	16.23	-3.88	0.75	150	100
2018-09-04 14:15:00	-1.38	4.32	15.5	-2.73	2.89	150	100
2018-09-04 14:30:00	-3.08	1.25	14.55	-4.64	0.56	150	100
2018-09-04 14:45:00	-3.24	1.97	15.07	-6.11	0.43	150	100
2018-09-04 15:00:00	-3.78	1.85	14.07	-6.83	-1.15	150	100
2018-09-04 15:15:00	-5.98	-5.74	17.57	-12.7	-5.08	150	100
2018-09-04 15:30:00	28.95	0.63	11.11	-7.26	5.23	150	100
2018-09-04 15:45:00	11.38	-0.73	12.46	-5.9	0.35	150	100
2018-09-04 16:00:00	-2.4	-0.3	12.21	-8.14	2.97	150	100
2018-09-04 16:15:00	-3.31	3.26	11.9	-7.62	-1.71	150	100
2018-09-04 16:30:00	-2.53	1.08	12.59	5.17	18.5	150	100
2018-09-04 16:45:00	-0.65	2.69	13.05	-4.67	2.77	150	100
2018-09-04 17:00:00	-1.88	1.76	16.5	-6.03	3.55	150	100
2018-09-04 17:15:00		1.47	12.76	-5.07	3.56	150	100

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3, 16.07, 27.5, 47, 746, 00 , 13:43:58, 04-Sep-2018
4, 15.29, 31.3, 43, 746, 00 , 13:58:58, 04-Sep-2018
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13, 9.81, 38.1, 29, 746, 00 , 16:13:58, 04-Sep-2018
14, 8.59, 38.1, 29, 746, 00 , 16:28:58, 04-Sep-2018
15, 10.06, 38.0, 27, 746, 00 , 16:43:58, 04-Sep-2018
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17, 14.62, 34.4, 26, 746, 00 , 17:13:58, 04-Sep-2018

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"RH CORRECT ", "ENABLED "
"Max Disp ", 151.131558
"Max Disp @ ", 13:34:06 04-Sep-2018
"Max STEL ", 24.263048
"Max STEL @ ", 13:47:55 04-Sep-2018
"Avg point ", 15.254220
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
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DAILY OBSERVATION REPORT

Report No.:	84	Project File:	MN0832D	Date:	09/05/2018

Geosyntec consultants

engineers | scientists | innovators

Beech and Bonaparte engineering p.c.

an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Jim Burnett

Site Representative: Matt Schallinger

Arrive at Site: 0700hrs. Leave Site: 1730hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Heavy Fog	am	Partly Cloudy	Pm
Temperature:	70° F	am	91° F	Pm
Wind Direction:	0 W	am	8 W	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☒	No ☐	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 84 Project File: MN0832D Date: 09/05/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 543

Weight: ~20 tons/each Total Weight to date: ~12797 Tons

Non Haz Soil Removal:

Total Loads today: 24 Total Loads to date: 396

Weight: 20-33 tons/each Total Weight to date: ~9326 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: Tons Total Weight to date: 175 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1110

Weight: ~21 Tons/each Total Weight to date: ~22628Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	84	Project File:	MN0832D	Date:	09/05/2018

Summary of Events

AM

- Geosyntec arrived on site at 0700. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed work plan for the day. Recon plans to ship out non-haz material from the MSA and begin excavation of the TSCA loading pad.
- Geosyntec calibrated and deployed dust monitors in the MSA.
- No tanker trucks are expected today to haul non-haz water from the on site frac tanks.
- Geosyntec signed manifests for non-haz material that was loaded into trucks by Recon.
- RECON scraped and temporarily stockpiled the soil and gravel fill between the RPL wheel wash and the southern edge of the RPL, including the former TSCA transport truck loading area.
- Recon continued housekeeping activities around the site.
- The water and sweeper trucks ran continuously until the end of day.
- Equipment demobilization from site continued.

PM.

- Geosyntec continued to organize and clean the onsite conex box.
- Scott Williams onsite.
- 24 trucks of non-hazardous material were loaded for offsite shipment.
- Recon covered all piles of material at the end of the day.
- Geosyntec collected the monitors, downloaded data and shut down and left site around 1730.

Report No.: 84 Project File: MN0832D Date: 09/05/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Rich Tonnucour
- Brien Kilkenny
- Bryan Balog
- Addison Hofferth
- (Recon labor) X12

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX4
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	DEC	Yes

PROJECT SCHEDULE:

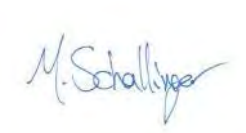
NTP Date: 6/20/2018
Completion Date (RPL Turnover to ECSD): 8/29/18
Completion Date (MSA Turnover to STCC): TBD

ITEMS OF CONCERN:

There were brief trigger and threshold exceedances in the MSA this afternoon recorded by the upwind dust monitor. Recon continued to water all haul roads and work areas throughout the day.

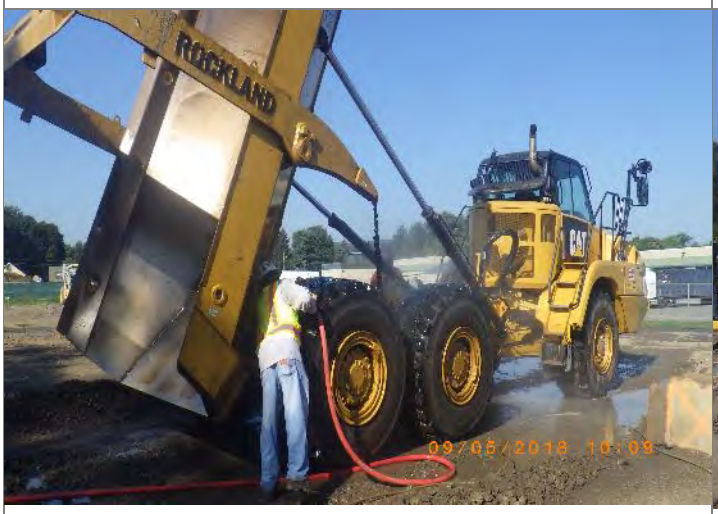
Site Representative: Matt Schallinger

Name (Signature):



Report No.:	84	Project File:	MN0832D	Date:	09/05/2018

Photo Log
Date : 09/05/2018

	
Heavy fog in the morning during loadout.	Recon excavates the TSCA loading pad.
	
Recon decons a haul truck at the MSA wash pad.	Recon covers the non-haz stockpile at days end.

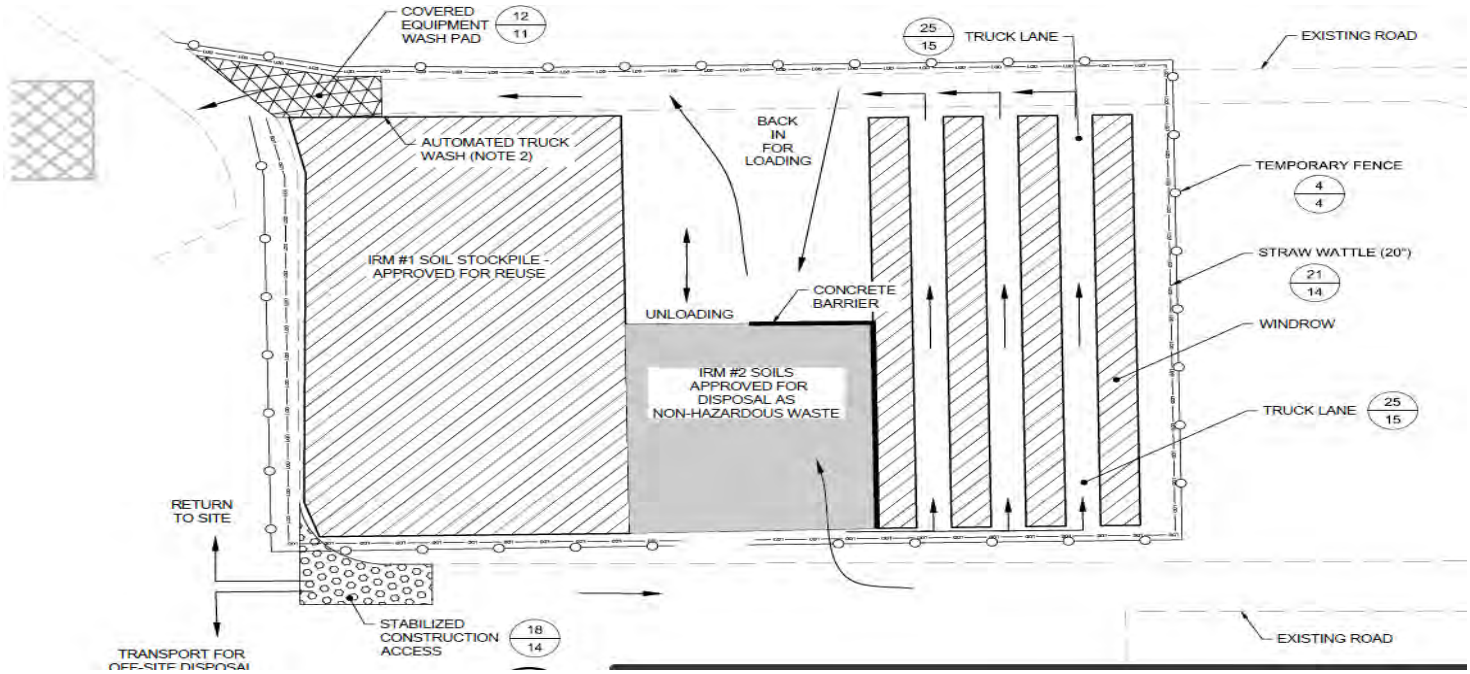
Report No.: 84 Project File: MN0832D Date: 09/05/2018

Site Map

Rear Parking Lot

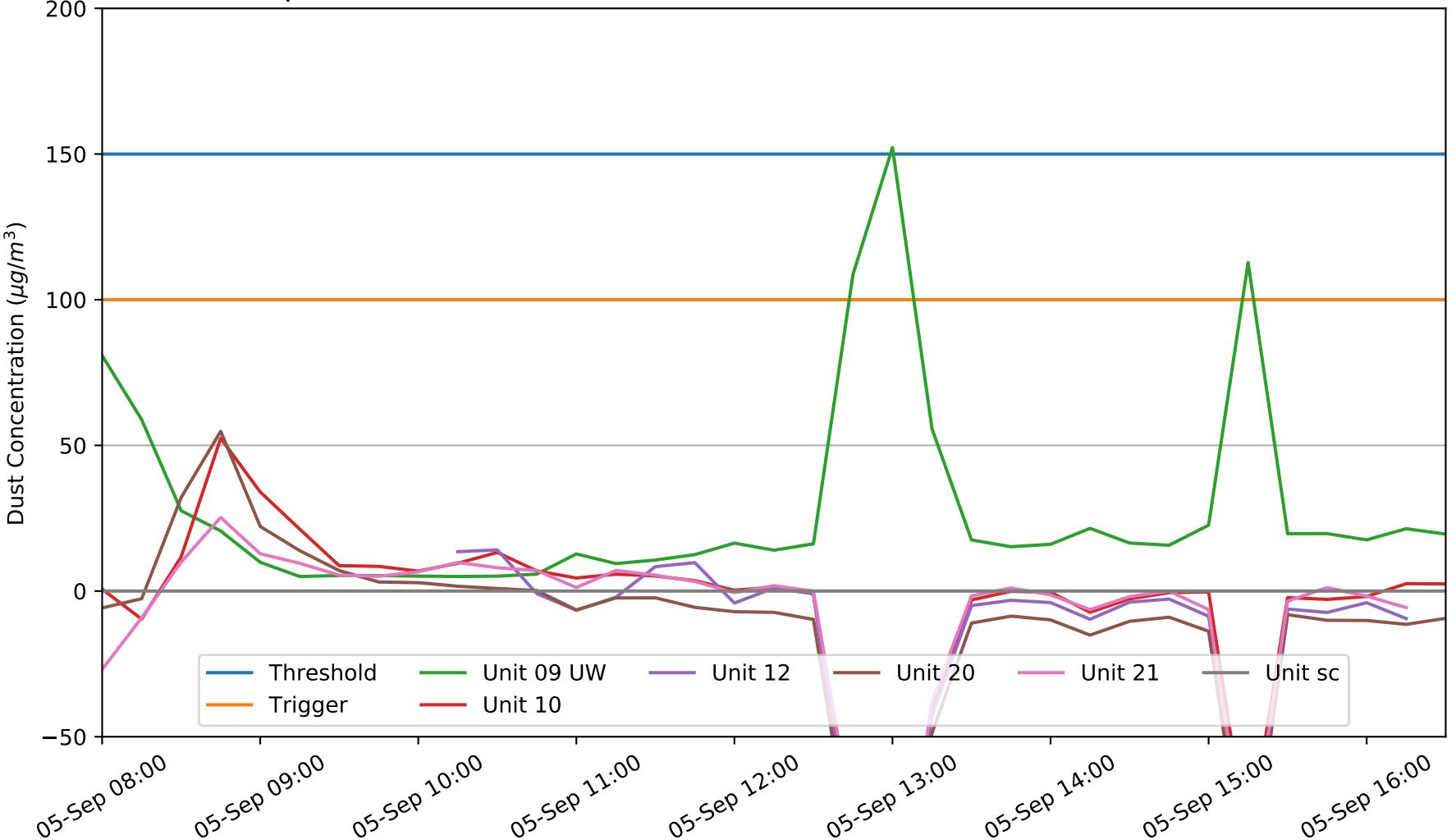


MSA



Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 05-Sep-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 05-Sep-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 12	Unit sc	Unit 09 UW	Unit 20	Unit 21	Unit 10	Threshold	Trigger
2018-09-05 08:00:00		0	80.83	-5.8	-26.89	0.66	150	100
2018-09-05 08:15:00		0	58.83	-2.63	-9.18	-9.63	150	100
2018-09-05 08:30:00		0	27.56	32.12	9.95	11.73	150	100
2018-09-05 08:45:00		0	20.63	54.84	25.25	52.43	150	100
2018-09-05 09:00:00		0	9.89	22.18	12.8	34.02	150	100
2018-09-05 09:15:00		0	4.98	13.86	9.54	21.24	150	100
2018-09-05 09:30:00		0	5.33	7.03	5.45	8.71	150	100
2018-09-05 09:45:00		0	5.31	3.11	5.07	8.48	150	100
2018-09-05 10:00:00		0	5.14	2.88	6.61	6.83	150	100
2018-09-05 10:15:00	13.51	0	5	1.65	9.81	9.55	150	100
2018-09-05 10:30:00	14.12	0	5.11	0.88	7.99	13.25	150	100
2018-09-05 10:45:00	-0.89	0	5.82	0.16	7.06	6.92	150	100
2018-09-05 11:00:00	-6.61	0	12.75	-6.49	1.2	4.47	150	100
2018-09-05 11:15:00	-2.13	0	9.43	-2.36	7.09	5.8	150	100
2018-09-05 11:30:00	8.38	0	10.65	-2.33	5.45	5.18	150	100
2018-09-05 11:45:00	9.74	0	12.51	-5.59	3.27	3.56	150	100
2018-09-05 12:00:00	-4.12	0	16.45	-7.09	-0.55	0.28	150	100
2018-09-05 12:15:00	1.05	0	14.02	-7.31	1.84	1.33	150	100
2018-09-05 12:30:00	-0.94	0	16.21	-9.74	-0.03	-0.89	150	100
2018-09-05 12:45:00	-94.97	0	108.64	-94.45	-80.29	-91.15	150	100
2018-09-05 13:00:00	-138.68	0	152.24	-142.23	-131.97	-136.07	150	100
2018-09-05 13:15:00	-42.55	0	55.73	-48.74	-37.88	-40.37	150	100
2018-09-05 13:30:00	-4.99	0	17.54	-10.99	-1.66	-3.05	150	100
2018-09-05 13:45:00	-3.17	0	15.21	-8.61	1.05	-0.09	150	100
2018-09-05 14:00:00	-3.95	0	16.05	-9.89	-1.32	-0.39	150	100
2018-09-05 14:15:00	-9.69	0	21.52	-15.12	-6.36	-7.29	150	100
2018-09-05 14:30:00	-3.82	0	16.48	-10.39	-1.9	-2.69	150	100
2018-09-05 14:45:00	-2.75	0	15.72	-8.98	-0.03	-0.55	150	100
2018-09-05 15:00:00	-8.63	0	22.6	-13.78	-6.35	-0.27	150	100
2018-09-05 15:15:00	-99.69	0	112.75	-104.74	-97.03	-88.09	150	100
2018-09-05 15:30:00	-6.19	0	19.7	-8.11	-3.44	-2.23	150	100
2018-09-05 15:45:00	-7.34	0	19.71	-10.04	1.18	-2.86	150	100
2018-09-05 16:00:00	-4	0	17.57	-10.1	-1.75	-1.88	150	100
2018-09-05 16:15:00	-9.45	0	21.39	-11.43	-5.68	2.53	150	100
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29, 22.60, 33.0, 43, 744, 00 , 15:05:03, 05-Sep-2018
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4, 75.47, 21.4, 77, 746, 00 , 08:50:03, 05-Sep-2018
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DAILY OBSERVATION REPORT

Report No.:	85	Project File:	MN0832D	Date:	09/06/2018

Geosyntec consultants
engineers | scientists | innovators

Beech and Bonaparte engineering p.c.
an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Matt Schallinger

Site Representative: Matt Schallinger

Arrive at Site: 0700hrs. Leave Site: 1730hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Heavy Fog	am	Rainy	Pm
Temperature:	71° F	am	76 ° F	Pm
Wind Direction:	0 SW	am	4 WSW	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☒	No ☐	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 85 Project File: MN0832D Date: 09/06/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 543

Weight: ~20 tons/each Total Weight to date: ~12797 Tons

Non Haz Soil Removal:

Total Loads today: 25 Total Loads to date: 421

Weight: 20-33 tons/each Total Weight to date: ~9904 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: Tons Total Weight to date: 175 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1110

Weight: ~21 Tons/each Total Weight to date: ~22628 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	85	Project File:	MN0832D	Date:	09/06/2018

Summary of Events

AM

- Geosyntec arrived on site at 0700. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed work plan for the day. Recon plans to ship out non-haz material from the MSA continue with housekeeping activities.
- Geosyntec calibrated and deployed dust monitors in the MSA.
- No tanker trucks are expected today to haul non-haz water from the on site frac tanks.
- Geosyntec signed manifests for non-haz material that was loaded into trucks by Recon.
- Geosyntec conducts SWPPP inspection in the MSA.
- Recon organized supplies and prepared construction materials for offsite shipment in the equipment staging area immediately west of the MSA.
- A steel roll off dumpster arrived onsite and was stationed near the MSA.
- The water and sweeper trucks ran continuously until mid-afternoon.
- Equipment demobilization from site continued.

PM.

- Rain begins to fall around 1430.
- Geosyntec collects the dust monitors in the MSA.
- Thunder is heard around 1440 and an automatic site shutdown begins for 30 minutes.
- Recon calls off any additional truck to be loaded due to weather at 1500.
- Recon covers the non-haz stockpile and secures the MSA once the lighting and thunder cease.
- 25 trucks of non-hazardous material were loaded for offsite shipment. This comprised of 6 long bed dump trucks estimated at 33 tons each and 19 tri-axle dump trucks estimated at 20 tons each.
- Recon covered all piles of material at the end of the day.
- Geosyntec collected the monitors, downloaded data and shut down and left site around 1600.

DAILY OBSERVATION REPORT

Report No.: 85 Project File: MN0832D Date: 09/06/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Rich Tonnucour
- Brien Kilkenny
- Bryan Balog
- Addison Hofferth
- (Recon labor) X12

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX4
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
N/A		

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date (RPL Turnover to ECSD): 8/29/18
Completion Date (MSA Turnover to STCC): TBD

ITEMS OF CONCERN:

There was a brief threshold exceedance in the MSA recorded by the upwind monitor in the early afternoon. This monitor is stationed parallel to the haul road where the dump trucks enter the site. Recon has and continues to water all of the haul roads and work areas inside and around the MSA.

Site Representative: Matt Schallinger

Name (Signature):



Report No.: 85 Project File: MN0832D Date: 09/06/2018

Photo Log
Date : 09/06/2018



Recon uncovers the non-haz stock pile in the morning.



Recon decontaminates a truck at the MSA was pad.



Recon waters the non-haz loading area in the MSA.



Recon covers the piles once it is safe to do so.

DAILY OBSERVATION REPORT

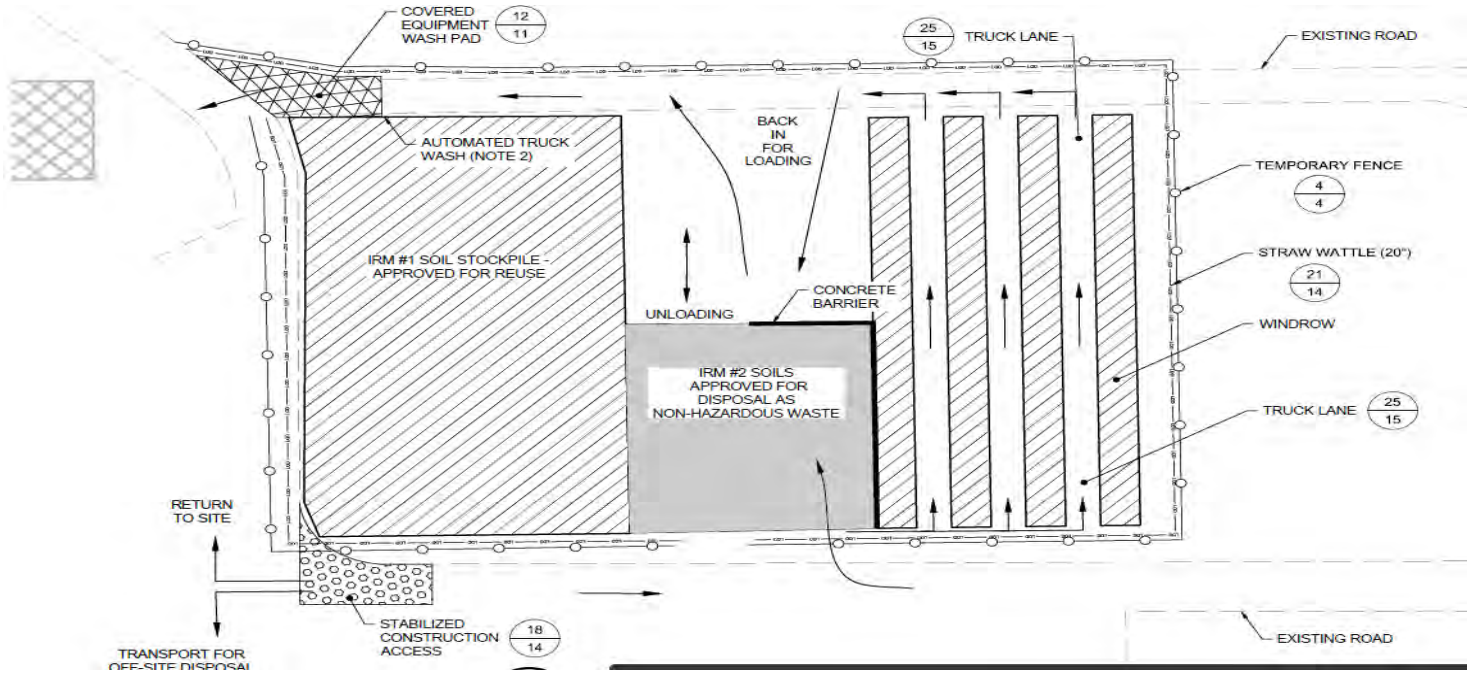
Report No.:	85	Project File:	MN0832D	Date:	09/06/2018

Site Map

Rear Parking Lot

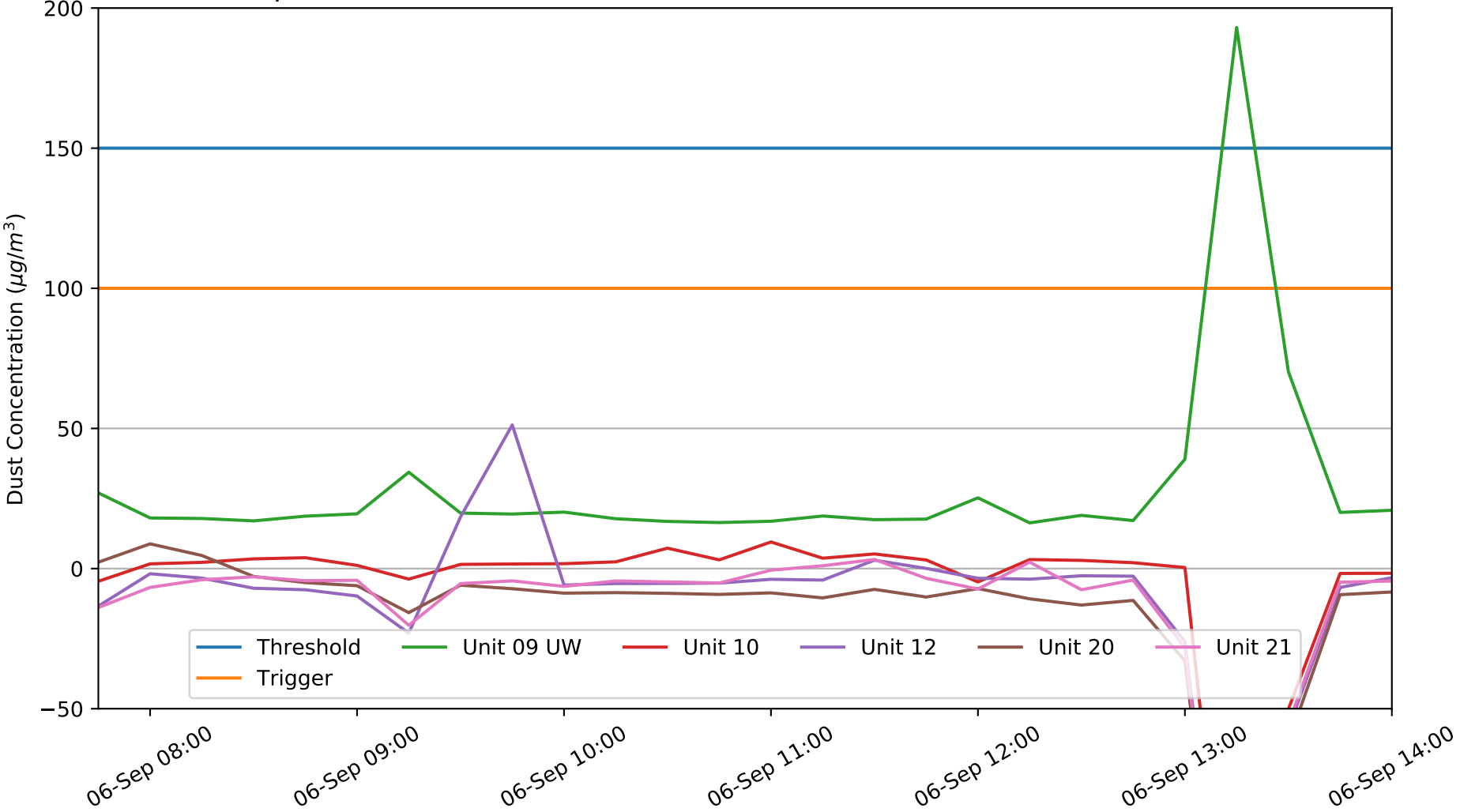


MSA



Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 06-Sep-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 06-Sep-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 10	Unit 20	Unit 09 UW	Unit 12	Unit 21	Threshold	Trigger
2018-09-06 07:45:00	-4.53	2.27	26.99	-13.39	-13.91	150	100
2018-09-06 08:00:00	1.68	8.82	18.06	-1.84	-6.72	150	100
2018-09-06 08:15:00	2.22	4.67	17.87	-3.4	-3.99	150	100
2018-09-06 08:30:00	3.46	-2.8	17.02	-7.02	-2.94	150	100
2018-09-06 08:45:00	3.87	-5	18.7	-7.56	-4.34	150	100
2018-09-06 09:00:00	1.13	-6.11	19.53	-9.79	-4.18	150	100
2018-09-06 09:15:00	-3.75	-15.73	34.39	-23.04	-20.23	150	100
2018-09-06 09:30:00	1.49	-5.93	19.8	18.44	-5.36	150	100
2018-09-06 09:45:00	1.63	-7.19	19.46	51.25	-4.39	150	100
2018-09-06 10:00:00	1.74	-8.77	20.15	-5.89	-6.36	150	100
2018-09-06 10:15:00	2.4	-8.58	17.78	-5.34	-4.41	150	100
2018-09-06 10:30:00	7.28	-8.83	16.83	-5.31	-4.76	150	100
2018-09-06 10:45:00	3.11	-9.22	16.42	-5.18	-5.16	150	100
2018-09-06 11:00:00	9.49	-8.67	16.88	-3.83	-0.58	150	100
2018-09-06 11:15:00	3.7	-10.46	18.76	-4.11	1	150	100
2018-09-06 11:30:00	5.22	-7.42	17.45	2.99	3.24	150	100
2018-09-06 11:45:00	3.07	-10.15	17.65	0.05	-3.47	150	100
2018-09-06 12:00:00	-4.77	-7.14	25.25	-3.45	-7.3	150	100
2018-09-06 12:15:00	3.22	-10.8	16.3	-3.78	2.3	150	100
2018-09-06 12:30:00	2.92	-13.02	18.99	-2.57	-7.55	150	100
2018-09-06 12:45:00	2.09	-11.36	17.13	-2.72	-4.11	150	100
2018-09-06 13:00:00	0.38	-32.94	39.01	-26.08	-28.29	150	100
2018-09-06 13:15:00	-169.07	-185.25	193.06	-179.02	-180.2	150	100
2018-09-06 13:30:00	-50.14	-61.9	70.27	-57.05	-55.48	150	100
2018-09-06 13:45:00	-1.73	-9.31	20.04	-6.72	-4.88	150	100
2018-09-06 14:00:00	-1.68	-8.36	20.8	-3.24	-4.43	150	100

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5, 22.57, 31.7, 42, 746, 00 , 08:55:03, 06-Sep-2018
6, 20.66, 34.6, 35, 746, 00 , 09:10:03, 06-Sep-2018
7, 30.64, 36.8, 30, 746, 00 , 09:25:03, 06-Sep-2018
8, 21.29, 38.6, 28, 746, 00 , 09:40:03, 06-Sep-2018
9, 21.09, 39.6, 26, 746, 00 , 09:55:03, 06-Sep-2018
10, 21.89, 40.3, 24, 746, 00 , 10:10:03, 06-Sep-2018
11, 20.18, 40.8, 22, 746, 00 , 10:25:03, 06-Sep-2018
12, 24.11, 41.2, 21, 746, 00 , 10:40:03, 06-Sep-2018
13, 19.53, 41.8, 20, 746, 00 , 10:55:03, 06-Sep-2018
14, 26.37, 42.1, 20, 748, 00 , 11:10:03, 06-Sep-2018
15, 22.46, 41.7, 21, 746, 00 , 11:25:03, 06-Sep-2018
16, 22.67, 41.9, 20, 746, 00 , 11:40:03, 06-Sep-2018
17, 20.72, 41.3, 22, 746, 00 , 11:55:03, 06-Sep-2018
18, 20.48, 42.2, 21, 746, 00 , 12:10:03, 06-Sep-2018
19, 19.52, 41.1, 21, 746, 00 , 12:25:03, 06-Sep-2018
20, 21.91, 39.4, 24, 746, 00 , 12:40:03, 06-Sep-2018
21, 19.22, 37.9, 26, 746, 00 , 12:55:03, 06-Sep-2018
22, 39.39, 35.9, 29, 746, 00 , 13:10:03, 06-Sep-2018
23, 23.99, 33.2, 35, 744, 00 , 13:25:03, 06-Sep-2018
24, 20.13, 31.1, 29, 744, 00 , 13:40:03, 06-Sep-2018
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26, 19.12, 26.0, 17, 744, 00 , 14:10:03, 06-Sep-2018

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3, 22.54, 22.0, 77, 744, 00 , 08:25:03, 06-Sep-2018
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5, 13.70, 23.7, 70, 744, 00 , 08:55:03, 06-Sep-2018
6, 13.42, 24.6, 67, 744, 00 , 09:10:03, 06-Sep-2018
7, 18.66, 25.4, 64, 744, 00 , 09:25:03, 06-Sep-2018
8, 13.87, 26.2, 61, 744, 00 , 09:40:03, 06-Sep-2018
9, 12.27, 27.1, 57, 744, 00 , 09:55:03, 06-Sep-2018
10, 11.38, 28.7, 51, 744, 00 , 10:10:03, 06-Sep-2018
11, 9.20, 30.8, 44, 744, 00 , 10:25:03, 06-Sep-2018
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17, 7.50, 37.8, 29, 744, 00 , 11:55:03, 06-Sep-2018
18, 18.11, 39.3, 26, 744, 00 , 12:10:03, 06-Sep-2018
19, 5.50, 39.5, 25, 744, 00 , 12:25:03, 06-Sep-2018
20, 5.97, 39.2, 24, 742, 00 , 12:40:03, 06-Sep-2018
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22, 6.07, 35.5, 31, 742, 00 , 13:10:03, 06-Sep-2018
23, 7.81, 33.3, 37, 742, 00 , 13:25:03, 06-Sep-2018
24, 8.37, 31.5, 28, 742, 00 , 13:40:03, 06-Sep-2018
25, 10.73, 29.2, 22, 744, 00 , 13:55:03, 06-Sep-2018
26, 12.44, 27.2, 18, 744, 00 , 14:10:03, 06-Sep-2018

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1, 26.99, 21.0, 77, 742, 01 , 07:55:03, 06-Sep-2018
2, 18.06, 21.5, 88, 742, 01 , 08:10:03, 06-Sep-2018
3, 17.87, 22.3, 83, 742, 00 , 08:25:03, 06-Sep-2018
4, 17.02, 23.4, 78, 742, 00 , 08:40:03, 06-Sep-2018
5, 18.70, 24.8, 72, 742, 00 , 08:55:03, 06-Sep-2018
6, 19.53, 26.0, 68, 742, 00 , 09:10:03, 06-Sep-2018
7, 34.39, 27.3, 64, 742, 00 , 09:25:03, 06-Sep-2018
8, 19.80, 28.6, 59, 742, 00 , 09:40:03, 06-Sep-2018
9, 19.46, 29.2, 57, 742, 00 , 09:55:03, 06-Sep-2018
10, 20.15, 29.5, 54, 742, 00 , 10:10:03, 06-Sep-2018
11, 17.78, 29.8, 52, 742, 00 , 10:25:03, 06-Sep-2018
12, 16.83, 30.1, 51, 742, 00 , 10:40:03, 06-Sep-2018
13, 16.42, 30.8, 50, 742, 00 , 10:55:03, 06-Sep-2018
14, 16.88, 31.6, 47, 742, 00 , 11:10:03, 06-Sep-2018
15, 18.76, 32.2, 45, 742, 00 , 11:25:03, 06-Sep-2018
16, 17.45, 32.7, 44, 742, 00 , 11:40:03, 06-Sep-2018
17, 17.65, 33.2, 44, 742, 00 , 11:55:03, 06-Sep-2018
18, 25.25, 35.0, 40, 742, 00 , 12:10:03, 06-Sep-2018
19, 16.30, 35.4, 38, 742, 00 , 12:25:03, 06-Sep-2018
20, 18.99, 35.0, 38, 742, 00 , 12:40:03, 06-Sep-2018
21, 17.13, 34.1, 39, 742, 00 , 12:55:03, 06-Sep-2018
22, 39.01, 32.7, 43, 742, 00 , 13:10:03, 06-Sep-2018
23, 193.06, 31.1, 47, 742, 00 , 13:25:03, 06-Sep-2018
24, 70.27, 29.7, 39, 742, 00 , 13:40:03, 06-Sep-2018
25, 20.04, 27.4, 30, 742, 00 , 13:55:03, 06-Sep-2018
26, 20.80, 25.9, 25, 742, 00 , 14:10:03, 06-Sep-2018

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"Errors ", 0000
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1, 13.60, 18.1, 86, 744, 01 , 07:55:03, 06-Sep-2018
2, 16.22, 18.8, 90, 744, 00 , 08:10:03, 06-Sep-2018
3, 14.47, 19.6, 89, 744, 00 , 08:25:03, 06-Sep-2018
4, 10.00, 20.3, 86, 744, 00 , 08:40:03, 06-Sep-2018
5, 11.14, 20.8, 84, 744, 00 , 08:55:03, 06-Sep-2018
6, 9.74, 21.3, 82, 744, 00 , 09:10:03, 06-Sep-2018
7, 11.35, 22.0, 79, 744, 00 , 09:25:03, 06-Sep-2018
8, 38.24, 22.7, 77, 744, 00 , 09:40:03, 06-Sep-2018
9, 70.71, 23.4, 74, 744, 03 , 09:55:03, 06-Sep-2018
10, 14.26, 24.9, 68, 744, 00 , 10:10:03, 06-Sep-2018
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13, 11.24, 27.2, 59, 744, 00 , 10:55:03, 06-Sep-2018
14, 13.05, 28.7, 56, 744, 00 , 11:10:03, 06-Sep-2018
15, 14.65, 30.4, 52, 744, 00 , 11:25:03, 06-Sep-2018
16, 20.44, 31.9, 48, 744, 00 , 11:40:03, 06-Sep-2018
17, 17.70, 32.6, 47, 744, 00 , 11:55:03, 06-Sep-2018
18, 21.80, 33.8, 44, 744, 00 , 12:10:03, 06-Sep-2018
19, 12.52, 34.8, 41, 744, 00 , 12:25:03, 06-Sep-2018
20, 16.42, 35.1, 39, 744, 00 , 12:40:03, 06-Sep-2018
21, 14.41, 33.8, 41, 744, 00 , 12:55:03, 06-Sep-2018
22, 12.93, 31.8, 46, 744, 00 , 13:10:03, 06-Sep-2018
23, 14.04, 30.3, 50, 744, 00 , 13:25:03, 06-Sep-2018
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5, 14.36, 29.0, 61, 756, 00 , 08:55:03, 06-Sep-2018
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15, 19.76, 41.1, 36, 754, 00 , 11:25:03, 06-Sep-2018
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19, 18.60, 40.9, 36, 756, 00 , 12:25:03, 06-Sep-2018
20, 11.44, 40.0, 37, 756, 00 , 12:40:03, 06-Sep-2018
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DAILY OBSERVATION REPORT

Report No.:	86	Project File:	MN0832D	Date:	09/07/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Matt Schallinger

Site Representative: Matt Schallinger

Arrive at Site: 0700hrs. Leave Site: 1730hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Cloudy	am	Partly Sunny	Pm
Temperature:	64° F	am	74 ° F	Pm
Wind Direction:	0 NW	am	8 NW	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 86 Project File: MN0832D Date: 09/07/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 543

Weight: ~20 tons/each Total Weight to date: ~12797 Tons

Non Haz Soil Removal:

Total Loads today: 33 Total Loads to date: 454

Weight: 20-33 tons/each Total Weight to date: ~10,629 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: Tons Total Weight to date: 175 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1110

Weight: ~21 Tons/each Total Weight to date: ~22628 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	86	Project File:	MN0832D	Date:	09/07/2018

Summary of Events

AM

- Geosyntec arrived on site at 0700. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed work plan for the day. Recon plans to ship out non-haz material from the MSA continue with housekeeping activities.
- Geosyntec calibrated and deployed dust monitors in the MSA.
- A vacuum truck was onsite to transfer water from a frac tank stationed alongside the haul road to a frac tank inside of the MSA.
- Geosyntec signed manifests for non-haz material that was loaded into trucks by Recon.
- Geosyntec and Recon attended a conference call to discuss options to stabilize soft areas in the compacted backfill in the RPL. Identified by Jason Plumley of Welliver
- Recon organized supplies and prepared construction materials for offsite shipment in the equipment staging area immediately west of the MSA.
- The water truck applied water to the haul roads and work areas inside the MSA throughout the day.

PM.

- Recon dug 5 test pits in areas of concern in the RPL. Test pit locations were selected by Jason Plumley of Welliver. Test pits were dug to two feet in depth with one lift per foot. Density and moisture content readings were collected with a nuclear density gauge for each lift. The readings were in the range of 98%-100% for compaction and 5.2%-7.3% for moisture.
- Test pits were backfilled once testing was complete.
- 33 trucks of non-hazardous material were loaded for offsite shipment. This comprised of 5 long bed dump trucks estimated at 33 tons each and 28 tri-axle dump trucks estimated at 20 tons each.
- Recon covered all piles of material at the end of the day.
- Geosyntec collected the monitors, downloaded data and shut down and left site around 1730.

Report No.: 86 Project File: MN0832D Date: 09/07/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Rich Tonnucour
- Brien Kilkenny
- Bryan Balog
- Addison Hofferth
- (Recon labor) X12

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX4
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Jason Plumley	Welliver	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date (RPL Turnover to ECSD): 8/29/18
Completion Date (MSA Turnover to STCC): TBD

ITEMS OF CONCERN:

None.

Site Representative: Matt Schallinger

Name (Signature):



Report No.:	86	Project File:	MN0832D	Date:	09/07/2018

Photo Log
Date : 09/07/2018

	
Recon loads non-haz material for offsite shipment.	Recon transfers water to a frac tank in the MSA.
	
Recon digs the first lift of a test pit.	ATL performs density and moisture tests on the 2nd lift.

DAILY OBSERVATION REPORT

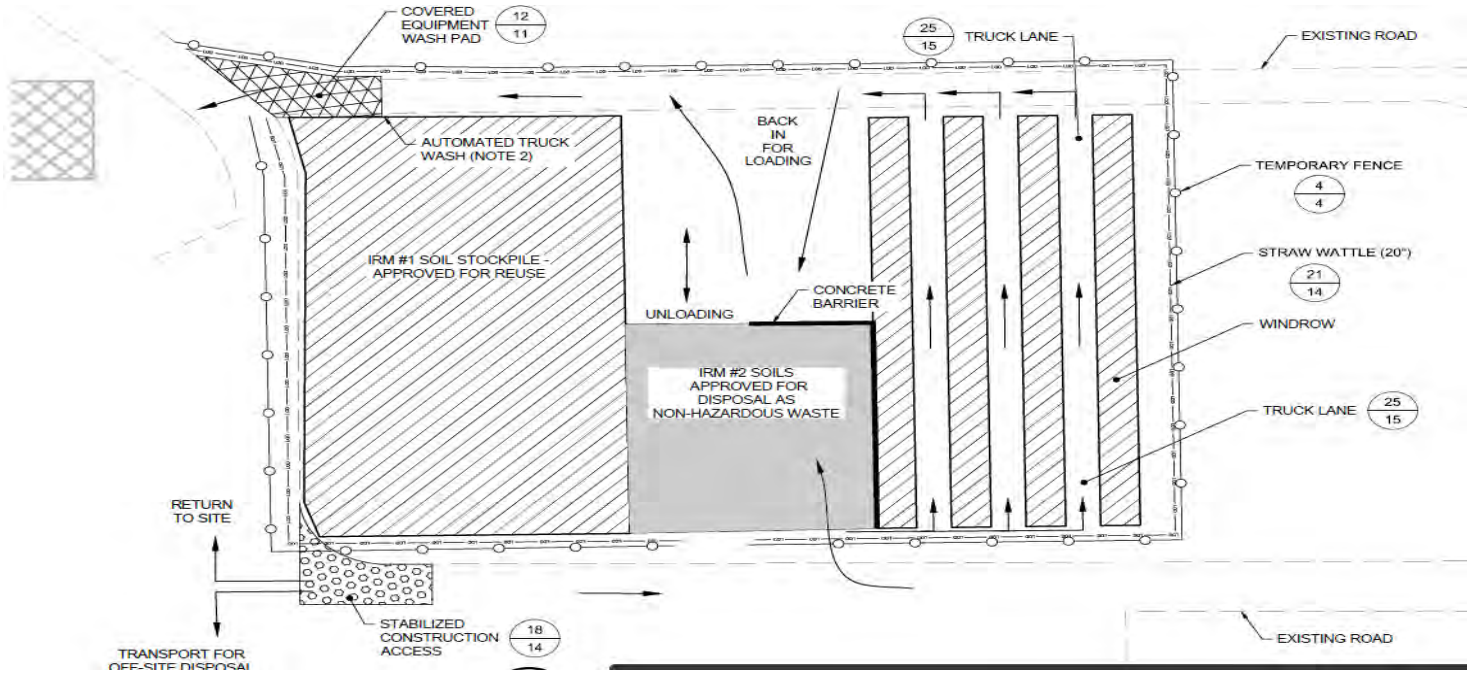
Report No.:	86	Project File:	MN0832D	Date:	09/07/2018

Site Map

Rear Parking Lot

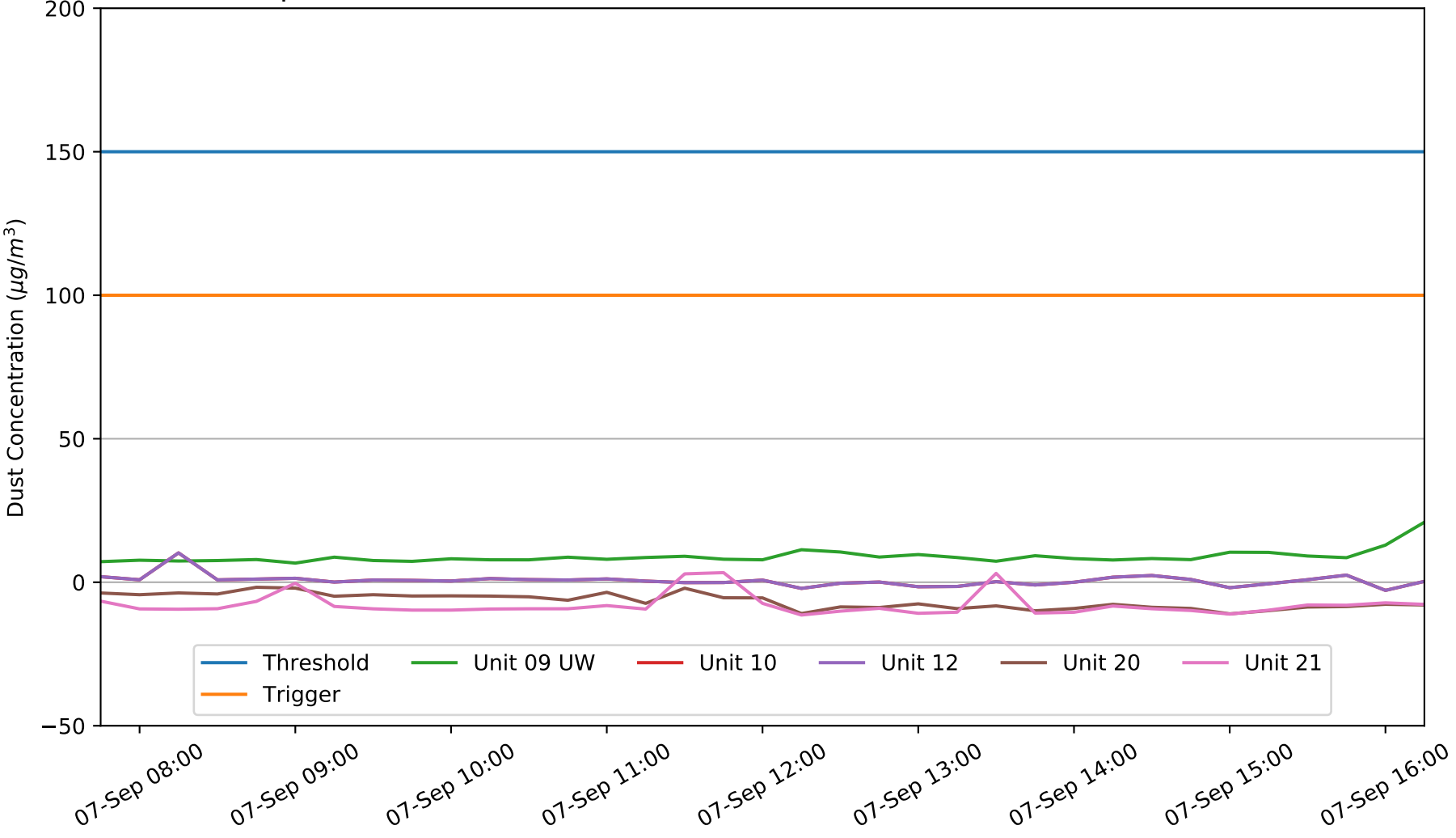


MSA



Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 07-Sep-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 07-Sep-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 20	Unit 12	Unit 09 UW	Unit 10	Unit 21	Threshold	Trigger
2018-09-07 07:45:00	-3.74	1.94	7.17	1.94	-6.58	150	100
2018-09-07 08:00:00	-4.34	0.86	7.68	0.86	-9.29	150	100
2018-09-07 08:15:00	-3.72	10.23	7.4	10.23	-9.4	150	100
2018-09-07 08:30:00	-4.09	0.83	7.56	0.83	-9.22	150	100
2018-09-07 08:45:00	-1.75	1.1	7.91	1.1	-6.67	150	100
2018-09-07 09:00:00	-2.05	1.38	6.67	1.38	-0.34	150	100
2018-09-07 09:15:00	-4.87	0.06	8.74	0.06	-8.43	150	100
2018-09-07 09:30:00	-4.34	0.77	7.57	0.77	-9.26	150	100
2018-09-07 09:45:00	-4.79	0.65	7.28	0.65	-9.71	150	100
2018-09-07 10:00:00	-4.74	0.43	8.18	0.43	-9.71	150	100
2018-09-07 10:15:00	-4.82	1.28	7.82	1.28	-9.33	150	100
2018-09-07 10:30:00	-5.07	0.92	7.81	0.92	-9.24	150	100
2018-09-07 10:45:00	-6.27	0.78	8.73	0.78	-9.24	150	100
2018-09-07 11:00:00	-3.51	1.16	8	1.16	-8.13	150	100
2018-09-07 11:15:00	-7.36	0.4	8.62	0.4	-9.35	150	100
2018-09-07 11:30:00	-2.07	-0.13	9.05	-0.13	2.92	150	100
2018-09-07 11:45:00	-5.41	-0.1	8.02	-0.1	3.35	150	100
2018-09-07 12:00:00	-5.45	0.74	7.82	0.74	-7.36	150	100
2018-09-07 12:15:00	-10.9	-2.14	11.33	-2.14	-11.42	150	100
2018-09-07 12:30:00	-8.59	-0.34	10.54	-0.34	-10.07	150	100
2018-09-07 12:45:00	-8.8	0.07	8.78	0.07	-9.09	150	100
2018-09-07 13:00:00	-7.53	-1.57	9.65	-1.57	-10.82	150	100
2018-09-07 13:15:00	-9.19	-1.47	8.61	-1.47	-10.44	150	100
2018-09-07 13:30:00	-8.23	0.2	7.32	0.2	3.1	150	100
2018-09-07 13:45:00	-9.94	-0.95	9.24	-0.95	-10.75	150	100
2018-09-07 14:00:00	-9.14	0	8.24	0	-10.46	150	100
2018-09-07 14:15:00	-7.69	1.76	7.75	1.76	-8.29	150	100
2018-09-07 14:30:00	-8.72	2.35	8.26	2.35	-9.23	150	100
2018-09-07 14:45:00	-9.12	0.97	7.88	0.97	-9.84	150	100
2018-09-07 15:00:00	-11.01	-1.9	10.46	-1.9	-11.09	150	100
2018-09-07 15:15:00	-9.9	-0.53	10.4	-0.53	-9.73	150	100
2018-09-07 15:30:00	-8.63	0.89	9.14	0.89	-7.92	150	100
2018-09-07 15:45:00	-8.48	2.48	8.56	2.48	-8.01	150	100
2018-09-07 16:00:00	-7.68	-2.83	12.94	-2.83	-7.17	150	100
2018-09-07 16:15:00	-7.92	0.3	20.92	0.3	-7.71	150	100

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"Max STEL @ ", 16:19:13 07-Sep-2018
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"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
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2, 3.34, 18.5, 71, 746, 00 , 08:10:03, 07-Sep-2018
3, 3.68, 18.4, 72, 746, 00 , 08:25:03, 07-Sep-2018
4, 3.47, 18.4, 71, 746, 00 , 08:40:03, 07-Sep-2018
5, 6.16, 18.7, 71, 746, 00 , 08:55:03, 07-Sep-2018
6, 4.62, 19.3, 69, 746, 00 , 09:10:03, 07-Sep-2018
7, 3.87, 20.2, 66, 746, 00 , 09:25:03, 07-Sep-2018
8, 3.23, 21.5, 61, 746, 00 , 09:40:03, 07-Sep-2018
9, 2.49, 22.4, 57, 746, 00 , 09:55:03, 07-Sep-2018
10, 3.44, 23.0, 56, 746, 00 , 10:10:03, 07-Sep-2018
11, 3.00, 23.3, 55, 746, 00 , 10:25:03, 07-Sep-2018
12, 2.74, 24.0, 53, 746, 00 , 10:40:03, 07-Sep-2018
13, 2.46, 24.9, 50, 746, 00 , 10:55:03, 07-Sep-2018
14, 4.49, 27.1, 44, 746, 00 , 11:10:03, 07-Sep-2018
15, 1.26, 29.3, 38, 744, 00 , 11:25:03, 07-Sep-2018
16, 6.98, 31.0, 33, 744, 00 , 11:40:03, 07-Sep-2018
17, 2.61, 31.7, 32, 744, 00 , 11:55:03, 07-Sep-2018
18, 2.37, 33.7, 27, 744, 00 , 12:10:03, 07-Sep-2018
19, 0.43, 33.7, 27, 744, 00 , 12:25:03, 07-Sep-2018
20, 1.95, 32.9, 29, 744, 00 , 12:40:03, 07-Sep-2018
21, -0.02, 34.5, 26, 744, 00 , 12:55:03, 07-Sep-2018
22, 2.12, 34.5, 26, 744, 00 , 13:10:03, 07-Sep-2018
23, -0.58, 32.9, 28, 744, 00 , 13:25:03, 07-Sep-2018
24, -0.91, 32.2, 29, 744, 00 , 13:40:03, 07-Sep-2018
25, -0.70, 33.0, 27, 744, 00 , 13:55:03, 07-Sep-2018
26, -0.90, 33.8, 26, 744, 00 , 14:10:03, 07-Sep-2018
27, 0.06, 33.9, 26, 744, 00 , 14:25:03, 07-Sep-2018
28, -0.46, 33.8, 26, 744, 00 , 14:40:03, 07-Sep-2018
29, -1.24, 35.5, 23, 744, 00 , 14:55:03, 07-Sep-2018
30, -0.55, 36.7, 20, 744, 00 , 15:10:03, 07-Sep-2018
31, 0.50, 35.3, 23, 744, 00 , 15:25:03, 07-Sep-2018
32, 0.51, 33.3, 27, 744, 00 , 15:40:03, 07-Sep-2018
33, 0.08, 33.6, 26, 744, 00 , 15:55:03, 07-Sep-2018
34, 5.26, 34.1, 24, 744, 00 , 16:10:03, 07-Sep-2018
35, 13.00, 32.9, 25, 744, 00 , 16:25:03, 07-Sep-2018

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"Max STEL @ ", 16:17:43 07-Sep-2018
"Avg point ", 9.504256
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"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
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2, 8.54, 18.8, 73, 744, 00 , 08:10:03, 07-Sep-2018
3, 17.63, 18.7, 74, 744, 00 , 08:25:03, 07-Sep-2018
4, 8.39, 18.7, 74, 744, 00 , 08:40:03, 07-Sep-2018
5, 9.01, 18.6, 76, 744, 00 , 08:55:03, 07-Sep-2018
6, 8.05, 18.7, 76, 744, 00 , 09:10:03, 07-Sep-2018
7, 8.80, 19.2, 74, 744, 00 , 09:25:03, 07-Sep-2018
8, 8.34, 19.8, 72, 744, 00 , 09:40:03, 07-Sep-2018
9, 7.93, 20.5, 70, 744, 00 , 09:55:03, 07-Sep-2018
10, 8.61, 20.9, 68, 744, 00 , 10:10:03, 07-Sep-2018
11, 9.10, 21.3, 67, 744, 00 , 10:25:03, 07-Sep-2018
12, 8.73, 21.8, 64, 744, 00 , 10:40:03, 07-Sep-2018
13, 9.51, 22.2, 64, 744, 00 , 10:55:03, 07-Sep-2018
14, 9.16, 22.7, 62, 744, 00 , 11:10:03, 07-Sep-2018
15, 9.02, 23.8, 59, 744, 00 , 11:25:03, 07-Sep-2018
16, 8.92, 25.7, 53, 742, 00 , 11:40:03, 07-Sep-2018
17, 7.92, 26.5, 49, 742, 00 , 11:55:03, 07-Sep-2018
18, 8.56, 27.4, 46, 742, 00 , 12:10:03, 07-Sep-2018
19, 9.19, 28.6, 43, 742, 00 , 12:25:03, 07-Sep-2018
20, 10.20, 28.1, 44, 742, 00 , 12:40:03, 07-Sep-2018
21, 8.85, 28.5, 44, 742, 00 , 12:55:03, 07-Sep-2018
22, 8.08, 28.6, 43, 742, 00 , 13:10:03, 07-Sep-2018
23, 7.14, 27.8, 45, 742, 00 , 13:25:03, 07-Sep-2018
24, 7.52, 27.9, 44, 742, 00 , 13:40:03, 07-Sep-2018
25, 8.29, 27.7, 44, 742, 00 , 13:55:03, 07-Sep-2018
26, 8.24, 27.5, 45, 742, 00 , 14:10:03, 07-Sep-2018
27, 9.51, 27.3, 45, 742, 00 , 14:25:03, 07-Sep-2018
28, 10.61, 26.9, 47, 742, 00 , 14:40:03, 07-Sep-2018
29, 8.85, 27.0, 47, 742, 00 , 14:55:03, 07-Sep-2018
30, 8.56, 27.1, 45, 742, 00 , 15:10:03, 07-Sep-2018
31, 9.87, 26.7, 47, 742, 00 , 15:25:03, 07-Sep-2018
32, 10.03, 26.0, 49, 742, 00 , 15:40:03, 07-Sep-2018
33, 11.04, 26.2, 48, 742, 00 , 15:55:03, 07-Sep-2018
34, 10.11, 26.6, 48, 742, 00 , 16:10:03, 07-Sep-2018
35, 21.22, 26.7, 45, 742, 00 , 16:25:03, 07-Sep-2018

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"Max STEL ", 24.938188
"Max STEL @ ", 16:20:33 07-Sep-2018
"Avg point ", 8.915325
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 7.17, 19.3, 70, 744, 01 , 07:55:03, 07-Sep-2018
2, 7.68, 19.0, 71, 744, 00 , 08:10:03, 07-Sep-2018
3, 7.40, 19.1, 71, 744, 03 , 08:25:03, 07-Sep-2018
4, 7.56, 19.1, 70, 744, 00 , 08:40:03, 07-Sep-2018
5, 7.91, 19.4, 75, 744, 00 , 08:55:03, 07-Sep-2018
6, 6.67, 19.8, 77, 744, 00 , 09:10:03, 07-Sep-2018
7, 8.74, 20.9, 69, 744, 00 , 09:25:03, 07-Sep-2018
8, 7.57, 22.5, 67, 744, 00 , 09:40:03, 07-Sep-2018
9, 7.28, 23.3, 65, 744, 00 , 09:55:03, 07-Sep-2018
10, 8.18, 23.8, 63, 744, 00 , 10:10:03, 07-Sep-2018
11, 7.82, 24.2, 62, 744, 00 , 10:25:03, 07-Sep-2018
12, 7.81, 24.6, 62, 744, 00 , 10:40:03, 07-Sep-2018
13, 8.73, 25.4, 60, 744, 00 , 10:55:03, 07-Sep-2018
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15, 8.62, 30.6, 46, 744, 00 , 11:25:03, 07-Sep-2018
16, 9.05, 33.0, 41, 744, 00 , 11:40:03, 07-Sep-2018
17, 8.02, 33.4, 39, 744, 00 , 11:55:03, 07-Sep-2018
18, 7.82, 33.6, 39, 744, 00 , 12:10:03, 07-Sep-2018
19, 11.33, 33.0, 39, 744, 00 , 12:25:03, 07-Sep-2018
20, 10.54, 31.3, 42, 744, 00 , 12:40:03, 07-Sep-2018
21, 8.78, 32.3, 43, 744, 00 , 12:55:03, 07-Sep-2018
22, 9.65, 32.4, 40, 744, 00 , 13:10:03, 07-Sep-2018
23, 8.61, 30.6, 42, 744, 00 , 13:25:03, 07-Sep-2018
24, 7.32, 29.7, 45, 744, 00 , 13:40:03, 07-Sep-2018
25, 9.24, 30.7, 41, 744, 00 , 13:55:03, 07-Sep-2018
26, 8.24, 31.3, 40, 744, 00 , 14:10:03, 07-Sep-2018
27, 7.75, 31.2, 41, 744, 00 , 14:25:03, 07-Sep-2018
28, 8.26, 31.0, 42, 744, 00 , 14:40:03, 07-Sep-2018
29, 7.88, 31.2, 41, 742, 00 , 14:55:03, 07-Sep-2018
30, 10.46, 31.1, 39, 742, 00 , 15:10:03, 07-Sep-2018
31, 10.40, 30.8, 41, 742, 00 , 15:25:03, 07-Sep-2018
32, 9.14, 29.7, 44, 742, 00 , 15:40:03, 07-Sep-2018
33, 8.56, 29.3, 44, 742, 00 , 15:55:03, 07-Sep-2018
34, 12.94, 29.3, 43, 742, 00 , 16:10:03, 07-Sep-2018
35, 20.92, 29.3, 42, 742, 00 , 16:25:03, 07-Sep-2018

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 08:18:57 07-Sep-2018
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"ALARM ", "INSTANT "
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"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
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4, 8.39, 18.7, 74, 744, 00 , 08:40:03, 07-Sep-2018
5, 9.01, 18.6, 76, 744, 00 , 08:55:03, 07-Sep-2018
6, 8.05, 18.7, 76, 744, 00 , 09:10:03, 07-Sep-2018
7, 8.80, 19.2, 74, 744, 00 , 09:25:03, 07-Sep-2018
8, 8.34, 19.8, 72, 744, 00 , 09:40:03, 07-Sep-2018
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15, 9.02, 23.8, 59, 744, 00 , 11:25:03, 07-Sep-2018
16, 8.92, 25.7, 53, 742, 00 , 11:40:03, 07-Sep-2018
17, 7.92, 26.5, 49, 742, 00 , 11:55:03, 07-Sep-2018
18, 8.56, 27.4, 46, 742, 00 , 12:10:03, 07-Sep-2018
19, 9.19, 28.6, 43, 742, 00 , 12:25:03, 07-Sep-2018
20, 10.20, 28.1, 44, 742, 00 , 12:40:03, 07-Sep-2018
21, 8.85, 28.5, 44, 742, 00 , 12:55:03, 07-Sep-2018
22, 8.08, 28.6, 43, 742, 00 , 13:10:03, 07-Sep-2018
23, 7.14, 27.8, 45, 742, 00 , 13:25:03, 07-Sep-2018
24, 7.52, 27.9, 44, 742, 00 , 13:40:03, 07-Sep-2018
25, 8.29, 27.7, 44, 742, 00 , 13:55:03, 07-Sep-2018
26, 8.24, 27.5, 45, 742, 00 , 14:10:03, 07-Sep-2018
27, 9.51, 27.3, 45, 742, 00 , 14:25:03, 07-Sep-2018
28, 10.61, 26.9, 47, 742, 00 , 14:40:03, 07-Sep-2018
29, 8.85, 27.0, 47, 742, 00 , 14:55:03, 07-Sep-2018
30, 8.56, 27.1, 45, 742, 00 , 15:10:03, 07-Sep-2018
31, 9.87, 26.7, 47, 742, 00 , 15:25:03, 07-Sep-2018
32, 10.03, 26.0, 49, 742, 00 , 15:40:03, 07-Sep-2018
33, 11.04, 26.2, 48, 742, 00 , 15:55:03, 07-Sep-2018
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35, 21.22, 26.7, 45, 742, 00 , 16:25:03, 07-Sep-2018

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"Log Period ", 00:15:00
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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 13:27:36 07-Sep-2018
"Max STEL   ", 18.763847
"Max STEL @ ", 16:18:23 07-Sep-2018
"Avg point ", 1.089146
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
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"Site Name   ", "Factory default"
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1, 0.59, 18.3, 76, 756, 01 , 07:55:03, 07-Sep-2018
2, -1.61, 17.8, 80, 756, 00 , 08:10:03, 07-Sep-2018
3, -2.00, 17.6, 81, 756, 00 , 08:25:03, 07-Sep-2018
4, -1.66, 17.6, 81, 756, 00 , 08:40:03, 07-Sep-2018
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7, 0.31, 18.8, 79, 756, 00 , 09:25:03, 07-Sep-2018
8, -1.69, 19.9, 76, 756, 00 , 09:40:03, 07-Sep-2018
9, -2.43, 20.7, 72, 756, 00 , 09:55:03, 07-Sep-2018
10, -1.53, 21.4, 71, 756, 00 , 10:10:03, 07-Sep-2018
11, -1.51, 21.8, 70, 756, 00 , 10:25:03, 07-Sep-2018
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DAILY OBSERVATION REPORT

Report No.:	87	Project File:	MN0832D	Date:	09/10/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Matt Schallinger

Site Representative: Matt Schallinger

Arrive at Site: 0700hrs. Leave Site: 1600 hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Rainy	am	Rainy	Pm
Temperature:	50° F	am	60 ° F	Pm
Wind Direction:	1 SW	am	1 SW	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☐	N/A ☒
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 87 Project File: MN0832D Date: 09/10/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 543

Weight: ~20 tons/each Total Weight to date: ~12797 Tons

Non Haz Soil Removal:

Total Loads today: 0 Total Loads to date: 454

Weight: 20-33 tons/each Total Weight to date: ~10,629 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: Tons Total Weight to date: 175 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1110

Weight: ~21 Tons/each Total Weight to date: ~22628 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	87	Project File:	MN0832D	Date:	09/10/2018

Summary of Events

AM

- Geosyntec arrived on site at 0700. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed work plan for the day. Recon plans to continue with housekeeping activities and prepare materials for demobilization.
- No dust monitors were deployed due to weather.
- No trucks for non-haz shipment are scheduled today due to rain
- Summit Drilling is onsite for MW-42 well repair. The well was found to be filled with gravel and unable to be repaired. The well will need to be abandoned and replaced.
- Rain-for-Rent is onsite for offsite load out of the truck washes.
- Geo Grid material was delivered to the site and staged in the area immediately west of the MSA.
- Recon received approval for shipment of TSCA pad material to Casella.

PM.

- Two frac tanks of 10,000 and 20,000 gallon capacity were demobilized from the site.
- 0 trucks of non-hazardous material were loaded for offsite shipment
- Rain-for-Rent continued with truck wash demobilization.
- Geosyntec and Recon meet to review stabilization procedure.

Report No.: 87 Project File: MN0832D Date: 09/10/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Rich Tonnucour
- Brien Kilkenny
- Addison Hofferth
- (Recon labor) X12

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX4
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
N/A		

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date (RPL Turnover to ECSD): 8/29/18
Completion Date (MSA Turnover to STCC): TBD

ITEMS OF CONCERN:

None.

Site Representative: Matt Schallinger

Name (Signature):



_____

Report No.: 87 Project File: MN0832D Date: 09/10/2018

Photo Log
Date : 09/10/2018



Recon assists Rain-for-Rent in equipment demobilization.



Rain-for-Rent continues with equipment demobilization.



Summit Drilling attaches a riser pipe to MW-42.



GeoGrid arrives and is staged onsite.

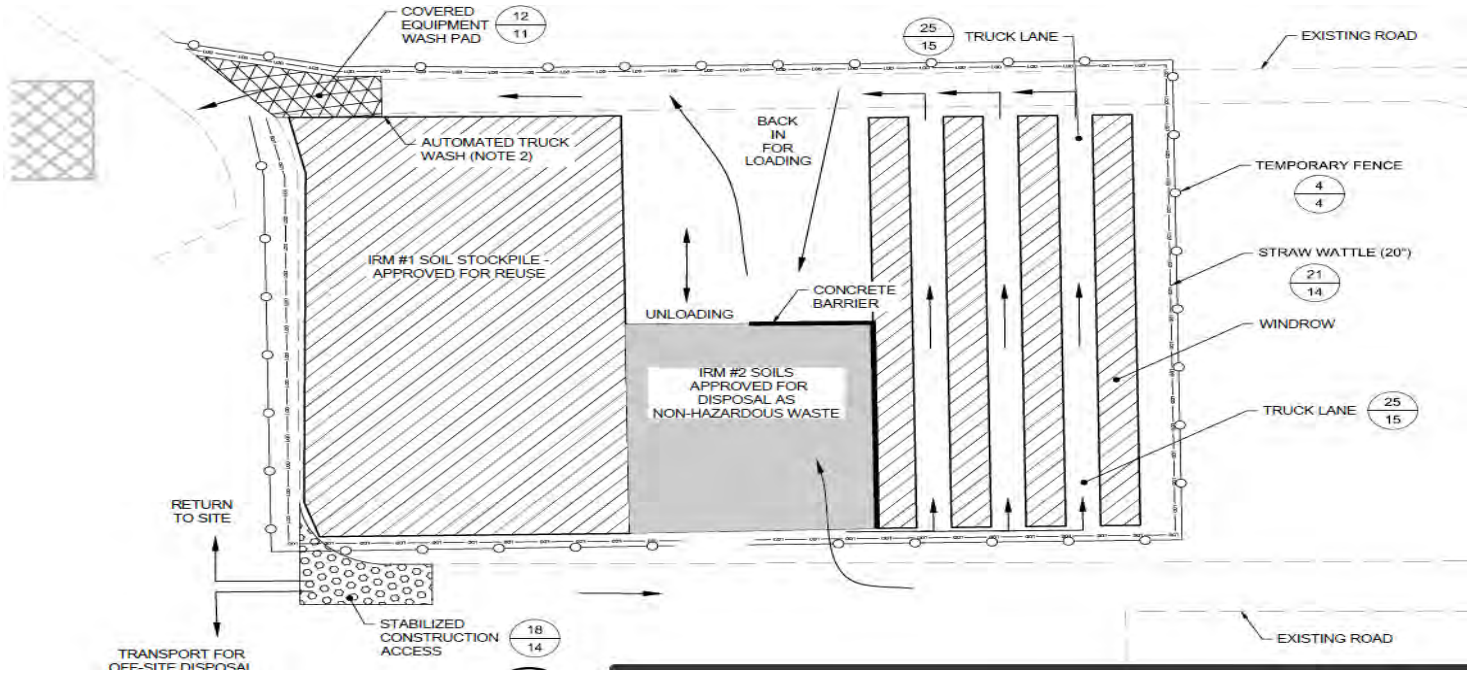
Report No.:	87	Project File:	MN0832D	Date:	09/10/2018

Site Map

Rear Parking Lot



MSA



DAILY OBSERVATION REPORT

Report No.:	88	Project File:	MN0832D	Date:	09/11/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Matt Schallinger

Site Representative: Matt Schallinger

Arrive at Site: 0700hrs. Leave Site: 1730hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Cloudy	am	Partly Sunny	Pm
Temperature:	61° F	am	73 ° F	Pm
Wind Direction:	0 NW	am	3 NW	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 88 Project File: MN0832D Date: 09/11/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 543

Weight: ~24 tons/each Total Weight to date: ~13008 Tons (based on facility weight tickets)

Non Haz Soil Removal:

Total Loads today: 33 Total Loads to date: 487

Weight: 20-33 tons/each Total Weight to date: ~11,393 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 5

Weight: Tons Total Weight to date: 175 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1110

Weight: ~21 Tons/each Total Weight to date: ~22628 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	88	Project File:	MN0832D	Date:	09/11/2018

Summary of Events

AM

- Geosyntec arrived on site at 0700. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed work plan for the day. Recon plans to ship out non-haz material from the MSA continue with housekeeping activities.
- Recon also plans to begin soil stabilization processes in the RPL this afternoon.
- Geosyntec calibrated and deployed dust monitors in the MSA.
- Geosyntec signed manifests for non-haz material that was loaded into trucks by Recon.
- Geosyntec and Recon attended weekly progress report conference call.
- Geosyntec met with McDonald Contracting to review grassing and seeding procedure on and near the mulch beds.
- Supersacks of lime kiln dust arrived and was offloaded onsite.
- Recon organized supplies and prepared construction materials for offsite shipment in the equipment staging area immediately west of the MSA.
- The water truck applied water to the haul roads and work areas inside the MSA throughout the day.

PM.

- Recon began the stabilization process for areas of concern in the RPL. Areas addressed were in the southwestern, northwestern and southeastern corners of the RPL.
- McDonald Contracting began working on cleaning out the mulch beds and preparing the grass for seeding.
- 33 trucks of non-hazardous material were loaded for offsite shipment. This comprised of 8 long bed dump trucks estimated at 33 tons each and 25 tri-axle dump trucks estimated at 20 tons each.
- Recon covered all piles of material at the end of the day.
- Geosyntec collected the monitors, downloaded data and shut down and left site around 1730.

Report No.: 88 Project File: MN0832D Date: 09/11/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Rich Tonnucour
- Brien Kilkenny
- Addison Hofferth
- (Recon labor) X12

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- CAT 730 Haul Truck
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX4
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
N/A		

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date (RPL Turnover to ECSD): 8/29/18
Completion Date (MSA Turnover to STCC): TBD

ITEMS OF CONCERN:

None.

Site Representative: Matt Schallinger

Name (Signature):



Report No.:	88	Project File:	MN0832D	Date:	09/11/2018

Photo Log
Date : 09/10/2018

	
Recon decontaminating trucks at the MSA wash pad.	Recon mixes the lime kiln dust with the soil.
	
Recon apples the Geo grid.	McDonald addressed the mulch beds and cuts the grass.

DAILY OBSERVATION REPORT

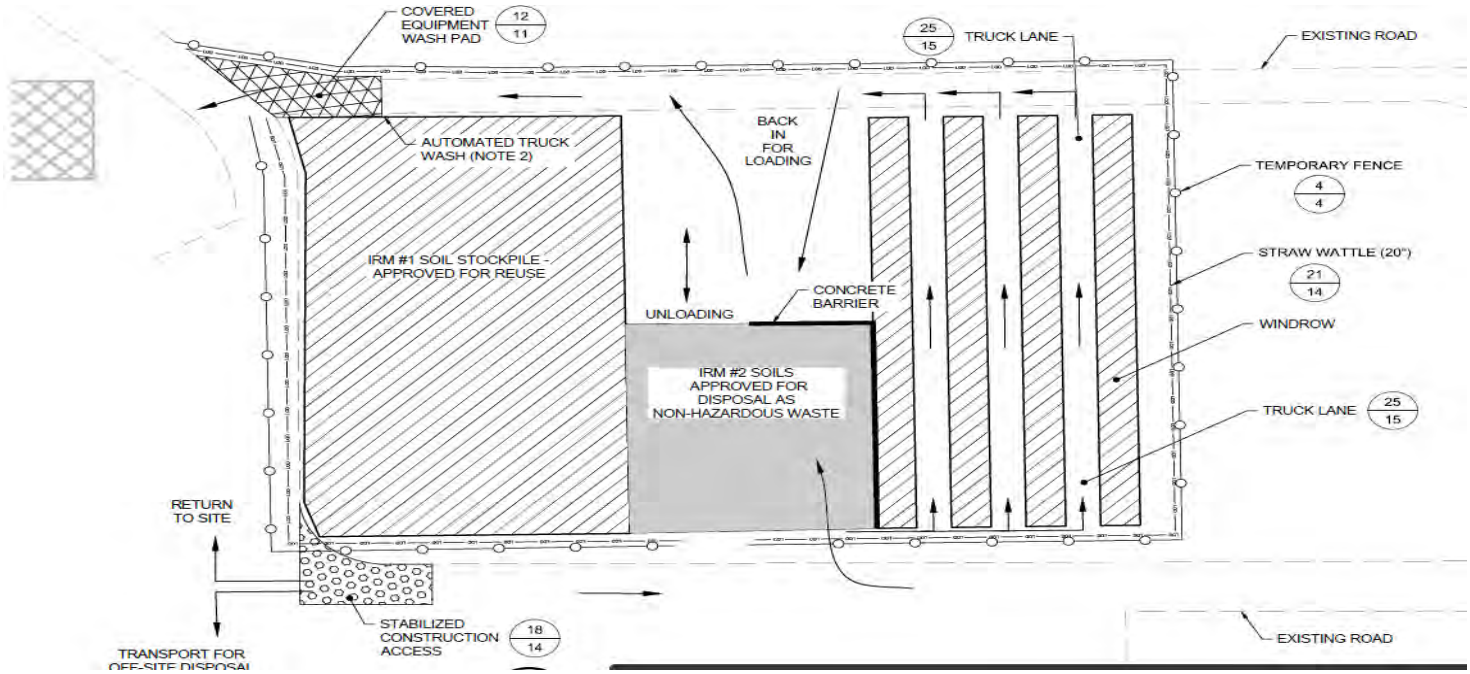
Report No.:	88	Project File:	MN0832D	Date:	09/11/2018

Site Map

Rear Parking Lot

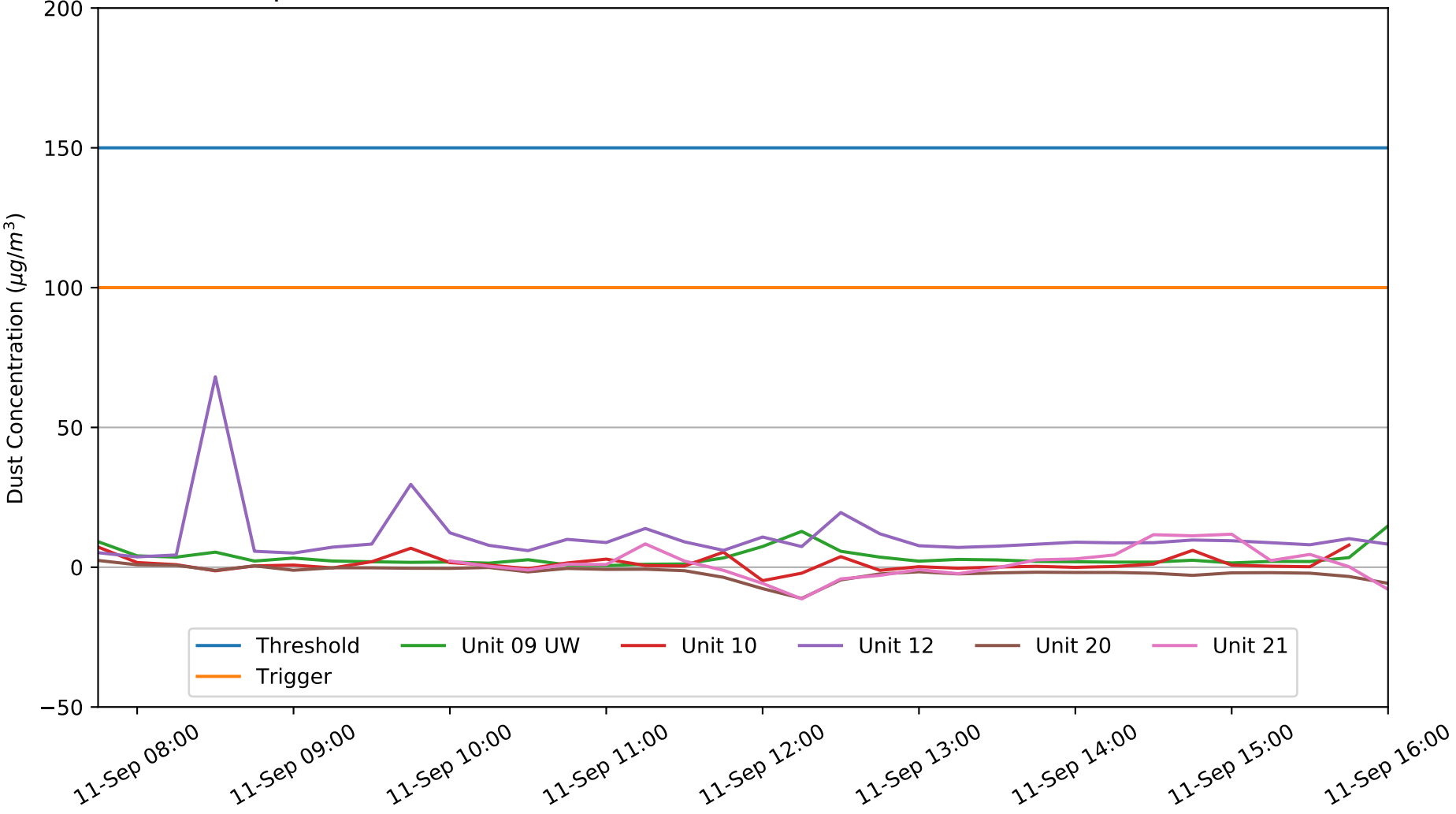


MSA



Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 11-Sep-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 11-Sep-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 20	Unit 09 UW	Unit 12	Unit 21	Unit 10	Threshold	Trigger
2018-09-11 07:45:00	2.42	9.14	5.19		7.22	150	100
2018-09-11 08:00:00	0.87	4.07	3.7		1.68	150	100
2018-09-11 08:15:00	0.67	3.62	4.38		0.91	150	100
2018-09-11 08:30:00	-1.14	5.39	68.12		-1.29	150	100
2018-09-11 08:45:00	0.49	2.2	5.71		0.47	150	100
2018-09-11 09:00:00	-1.09	3.27	5.07		0.77	150	100
2018-09-11 09:15:00	-0.2	2.21	7.18		-0.25	150	100
2018-09-11 09:30:00	-0.22	1.95	8.27		1.96	150	100
2018-09-11 09:45:00	-0.37	1.74	29.63		6.79	150	100
2018-09-11 10:00:00	-0.41	1.86	12.3	2.23	1.64	150	100
2018-09-11 10:15:00	-0.1	1.46	7.81	0.34	0.77	150	100
2018-09-11 10:30:00	-1.67	2.68	5.93	-0.99	-0.53	150	100
2018-09-11 10:45:00	-0.43	0.84	9.96	1.09	1.53	150	100
2018-09-11 11:00:00	-0.78	0.58	8.83	0.95	2.89	150	100
2018-09-11 11:15:00	-0.72	1.06	13.86	8.34	0.61	150	100
2018-09-11 11:30:00	-1.24	1.17	9.07	2.21	0.42	150	100
2018-09-11 11:45:00	-3.61	3.32	6.03	-1.12	5.39	150	100
2018-09-11 12:00:00	-7.66	7.41	10.8	-5.79	-4.81	150	100
2018-09-11 12:15:00	-11.15	12.82	7.38	-11.34	-2.13	150	100
2018-09-11 12:30:00	-4.54	5.7	19.56	-4.18	3.78	150	100
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2018-09-11 14:15:00	-1.88	1.82	8.72	4.39	0.26	150	100
2018-09-11 14:30:00	-2.16	1.83	8.77	11.63	1.12	150	100
2018-09-11 14:45:00	-2.91	2.5	9.72	11.24	6.03	150	100
2018-09-11 15:00:00	-2.01	1.53	9.47	11.81	0.74	150	100
2018-09-11 15:15:00	-1.95	2.07	8.77	2.37	0.37	150	100
2018-09-11 15:30:00	-2.13	2.04	8.03	4.58	0.17	150	100
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DAILY OBSERVATION REPORT

Report No.:	89	Project File:	MN0832D	Date:	09/12/2018

Geosyntec consultants

engineers | scientists | innovators

Beech and Bonaparte engineering p.c.

an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Matt Schallinger

Site Representative: Matt Schallinger

Arrive at Site: 0700hrs. Leave Site: 1700 hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Cloudy	am	Partly Sunny	Pm
Temperature:	64° F	am	75 ° F	Pm
Wind Direction:	0 SW	am	6 SW	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 89 Project File: MN0832D Date: 09/12/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 543

Weight: ~24 tons/each Total Weight to date: ~13008 Tons (based on facility weight tickets)

Non Haz Soil Removal:

Total Loads today: 20 Total Loads to date: 507

Weight: 20-33 tons/each Total Weight to date: ~11,897 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 1 Total Loads to date: 6

Weight: Tons Total Weight to date: 205 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1110

Weight: ~21 Tons/each Total Weight to date: ~22628 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	89	Project File:	MN0832D	Date:	09/12/2018

Summary of Events

AM

- Geosyntec arrived on site at 0700. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed work plan for the day. Recon plans to ship out non-haz material from the MSA continue with housekeeping activities.
- Geosyntec calibrated and deployed dust monitors in the MSA.
- Recon continued with the soil stabilization process in the RPL.
- McDonald Contracting is onsite for landscaping activities on and near the mulch beds.
- Geosyntec signed manifests for non-haz material that was loaded into trucks by Recon.
- Recon organized supplies and prepared construction materials for offsite shipment in the equipment staging area immediately west of the MSA.
- A low boy trailer was onsite to remove about half of the concrete bin blocks. The composite crane mats were also demobilized from the site.
- The water truck applied water to the haul roads and work areas inside the MSA throughout the day. Recon also used a sweeper truck along the haul roads.

PM.

- A CAT 730 haul truck was demobilized from the site.
- Geosyntec conducted a SWPPP investigation.
- Recon completed the stabilization process of areas of concern in the RPL using lime kiln dust and geogrid.
- A load of 3-4” stone from Edger was delivered to the MSA to be applied to the truck wash pad.
- 20 trucks of non-hazardous material were loaded for offsite shipment. This comprised of 8 long bed dump trucks estimated at 33 tons each and 12 tri-axle dump trucks estimated at 20 tons each.
- Recon covered all piles of material at the end of the day.
- Geosyntec collected the monitors, downloaded data and shut down and left site around 1700.

Report No.: 89 Project File: MN0832D Date: 09/12/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Rich Tonnucour
- Brien Kilkenny
- Addison Hofferth
- (Recon labor) X12

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX4
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	DEC	Yes

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date (RPL Turnover to ECSD): 8/29/18
Completion Date (MSA Turnover to STCC): TBD

ITEMS OF CONCERN:

None.

Site Representative: Matt Schallinger

Name (Signature):



Report No.: 89 Project File: MN0832D Date: 09/12/2018

Photo Log
Date : 09/12/2018

	
Recon loads non-haz trucks in the MSA.	McDonald weeding the mulch beds.
	
Recon mixes the lime kiln dust and soil in the RPL.	Recon spreads stone at the MSA truck wash.

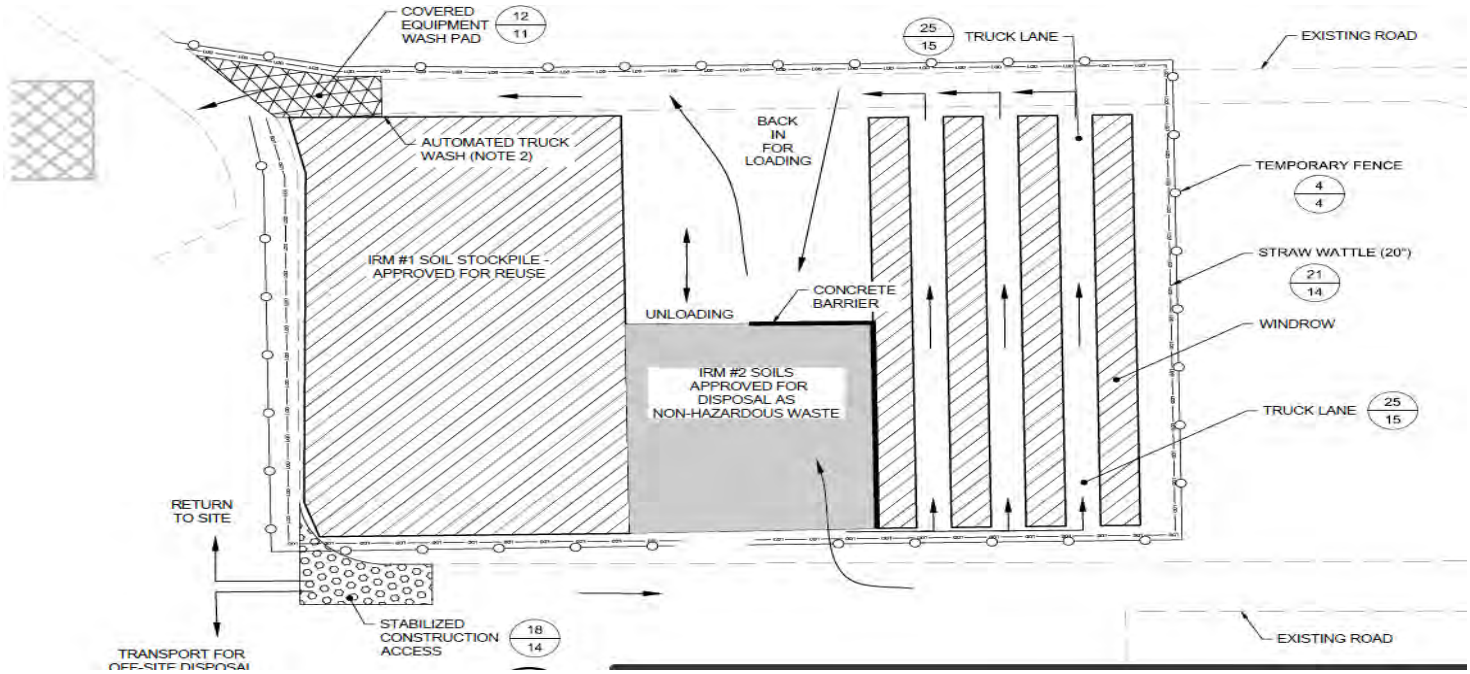
Report No.:	89	Project File:	MN0832D	Date:	09/12/2018

Site Map

Rear Parking Lot

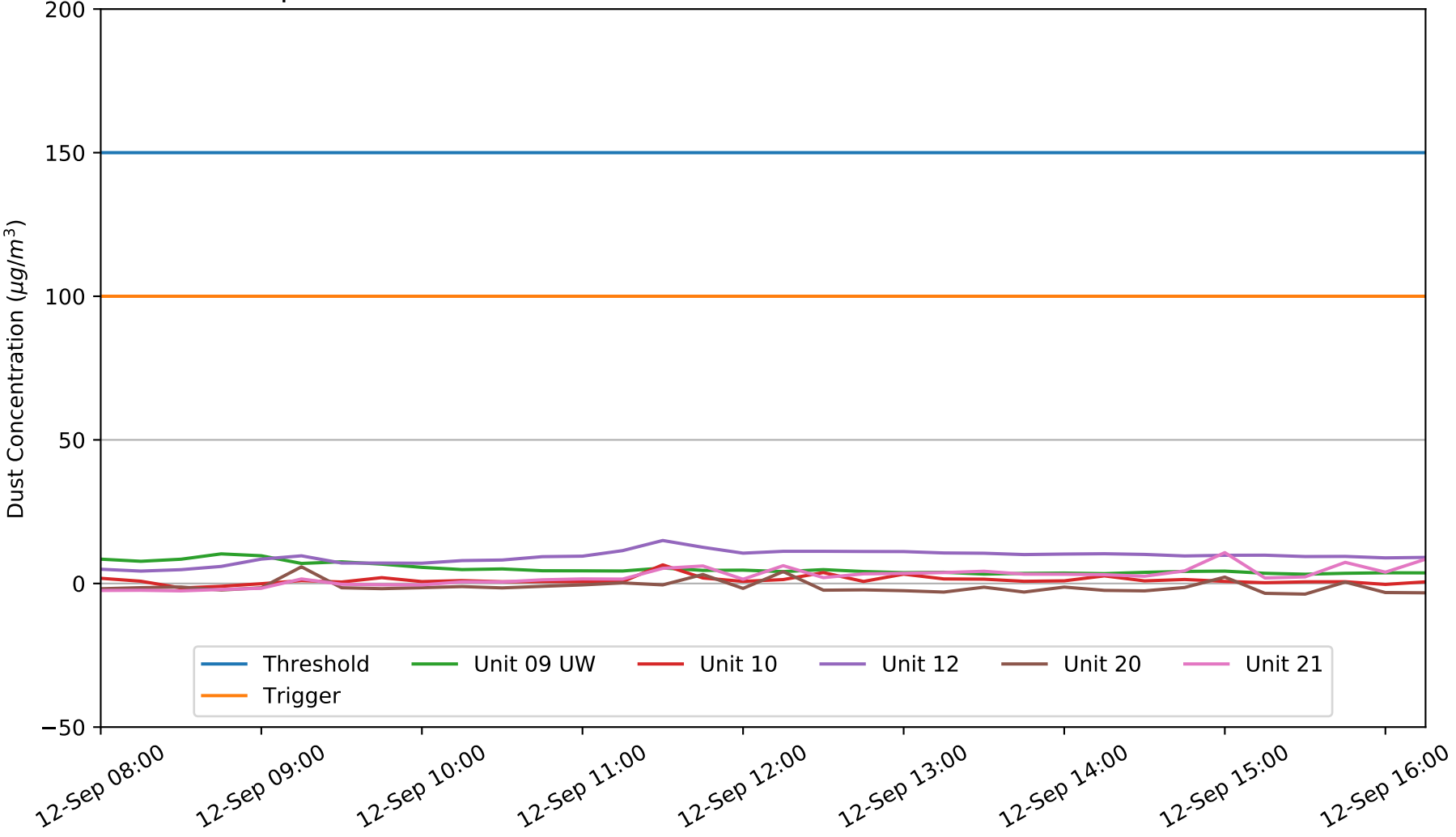


MSA



Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 12-Sep-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 12-Sep-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 12	Unit 09 UW	Unit 10	Unit 21	Unit 20	Threshold	Trigger
2018-09-12 08:00:00	4.96	8.47	1.81	-2.44	-1.84	150	100
2018-09-12 08:15:00	4.32	7.73	0.79	-2.37	-1.45	150	100
2018-09-12 08:30:00	4.81	8.45	-1.56	-2.58	-1.22	150	100
2018-09-12 08:45:00	5.94	10.31	-0.98	-2.09	-2.28	150	100
2018-09-12 09:00:00	8.49	9.65	-0.08	-1.66	-1.5	150	100
2018-09-12 09:15:00	9.63	6.98	1	1.58	5.8	150	100
2018-09-12 09:30:00	7.12	7.55	0.52	-0.28	-1.49	150	100
2018-09-12 09:45:00	7.11	6.74	2.03	-0.44	-1.8	150	100
2018-09-12 10:00:00	7.06	5.62	0.66	-0.49	-1.46	150	100
2018-09-12 10:15:00	7.97	4.84	1.01	0.57	-1.08	150	100
2018-09-12 10:30:00	8.17	5.07	0.61	0.54	-1.53	150	100
2018-09-12 10:45:00	9.34	4.44	0.67	1.28	-0.99	150	100
2018-09-12 11:00:00	9.51	4.41	0.63	1.59	-0.49	150	100
2018-09-12 11:15:00	11.44	4.35	0.66	1.53	0.21	150	100
2018-09-12 11:30:00	14.97	5.38	6.49	5.27	-0.49	150	100
2018-09-12 11:45:00	12.6	4.56	1.91	6.1	3.13	150	100
2018-09-12 12:00:00	10.56	4.65	0.74	1.48	-1.71	150	100
2018-09-12 12:15:00	11.2	4.14	1.36	6.2	4.14	150	100
2018-09-12 12:30:00	11.2	4.83	3.8	2.04	-2.33	150	100
2018-09-12 12:45:00	11.14	4.17	0.71	3.35	-2.22	150	100
2018-09-12 13:00:00	11.11	3.78	3.25	3.53	-2.51	150	100
2018-09-12 13:15:00	10.63	3.91	1.59	3.8	-2.99	150	100
2018-09-12 13:30:00	10.53	3.28	1.5	4.26	-1.29	150	100
2018-09-12 13:45:00	10.07	3.52	0.76	3.25	-2.98	150	100
2018-09-12 14:00:00	10.25	3.63	0.92	3.21	-1.25	150	100
2018-09-12 14:15:00	10.36	3.43	2.65	3.06	-2.4	150	100
2018-09-12 14:30:00	10.12	3.88	0.91	2.53	-2.57	150	100
2018-09-12 14:45:00	9.58	4.2	1.39	4.39	-1.39	150	100
2018-09-12 15:00:00	9.82	4.31	0.73	10.75	2.23	150	100
2018-09-12 15:15:00	9.85	3.55	0.27	1.91	-3.43	150	100
2018-09-12 15:30:00	9.38	3.23	0.58	2.3	-3.7	150	100
2018-09-12 15:45:00	9.43	3.55	0.62	7.36	0.49	150	100
2018-09-12 16:00:00	8.92	3.72	-0.32	3.94	-3.15	150	100
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DAILY OBSERVATION REPORT

Report No.:	90	Project File:	MN0832D	Date:	09/13/2018

Geosyntec consultants
engineers | scientists | innovators

Beech and Bonaparte engineering p.c.
an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Matt Schallinger

Site Representative: Matt Schallinger

Arrive at Site: 0700hrs. Leave Site: 1700 hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Light Rain	am	Partly Sunny	Pm
Temperature:	64° F	am	77 ° F	Pm
Wind Direction:	0 SW	am	6 W	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 90 Project File: MN0832D Date: 09/13/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 543

Weight: ~24 tons/each Total Weight to date: ~13008 Tons (based on facility weight tickets)

Non Haz Soil Removal:

Total Loads today: 23 Total Loads to date: 530

Weight: 20-33 tons/each Total Weight to date: ~12,435 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 6

Weight: Tons Total Weight to date: 205 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1110

Weight: ~21 Tons/each Total Weight to date: ~22628 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	90	Project File:	MN0832D	Date:	09/13/2018

Summary of Events

AM

- Geosyntec arrived on site at 0700. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed work plan for the day. Recon plans to ship out non-haz material from the MSA and continue with housekeeping activities.
- Geosyntec calibrated and deployed dust monitors in the MSA.
- McDonald Contracting is onsite to continue landscaping activities on and near the mulch beds.
- Geosyntec signed manifests for non-haz material that was loaded into trucks by Recon. Trucks were loaded from the MSA and on the RPL truck wash.
- Recon organized supplies and prepared construction materials for offsite shipment in the equipment staging area immediately west of the MSA.
- A trailer was onsite to remove chain link fencing.
- The water truck applied water to the haul roads and work areas inside the MSA throughout the day. Recon also used a sweeper truck along the haul roads.

PM.

- 23 trucks of non-hazardous material were loaded for offsite shipment. This comprised of 6 long bed dump trucks estimated at 33 tons each and 17 tri-axle dump trucks estimated at 20 tons each.
- McDonald cleaned out the mulch beds, aerated the grass area and spread grass seed after aeration.
- Recon covered all piles of material at the end of the day.
- Geosyntec collected the monitors, downloaded data and shut down and left site around 1700.

Report No.: 90 Project File: MN0832D Date: 09/13/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Rich Tonnucour
- Brien Kilkenny
- Addison Hofferth
- (Recon labor) X12

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX4
- Adler 10k Frac Tank
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
N/A		

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date (RPL Turnover to ECSD): 8/29/18
Completion Date (MSA Turnover to STCC): TBD

ITEMS OF CONCERN:

None.

Site Representative: Matt Schallinger

Name (Signature):



_____

Report No.: 90 Project File: MN0832D Date: 09/13/2018

Photo Log
Date : 09/13/2018

	
Recon power washes the trucks as they leave the MSA.	McDonald addresses the mulch beds.
	
Recon direct loads trucks on the RPL truck wash.	View of the mulch beds and grass looking north.

DAILY OBSERVATION REPORT

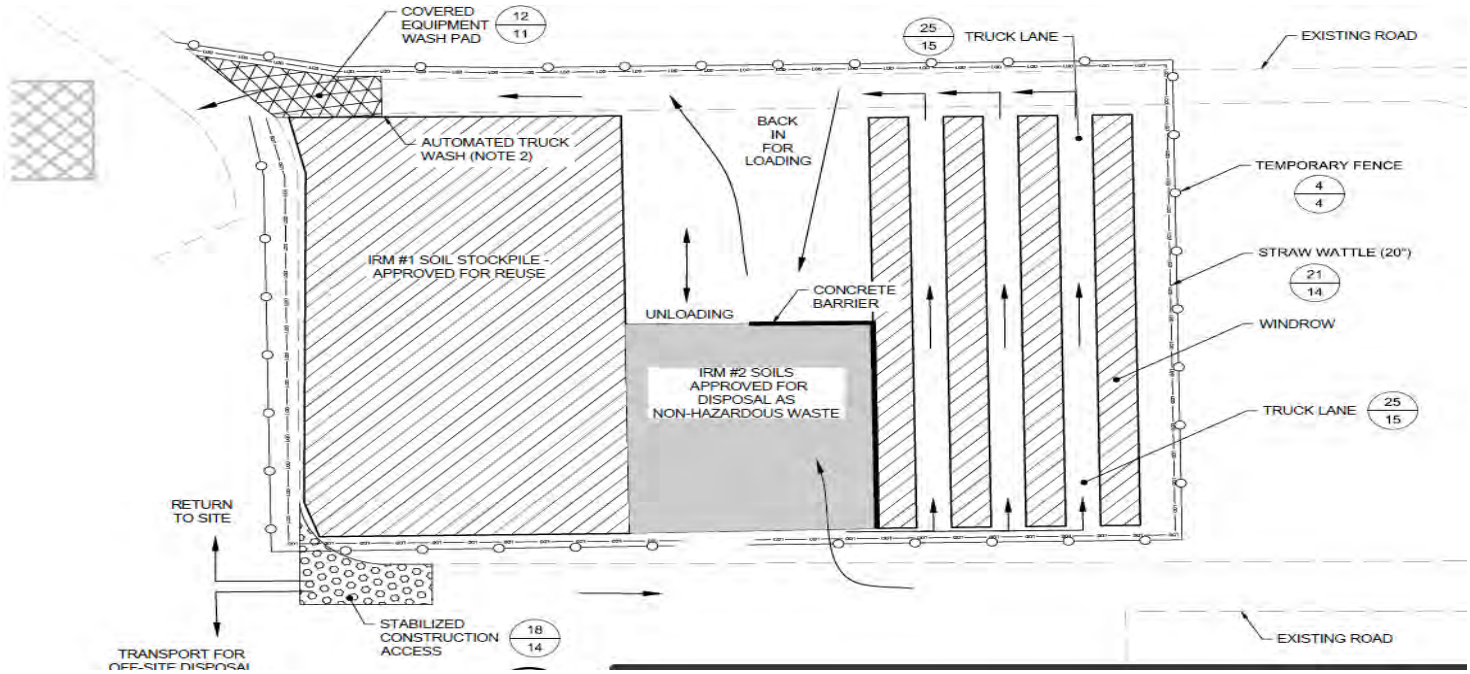
Report No.:	90	Project File:	MN0832D	Date:	09/13/2018

Site Map

Rear Parking Lot

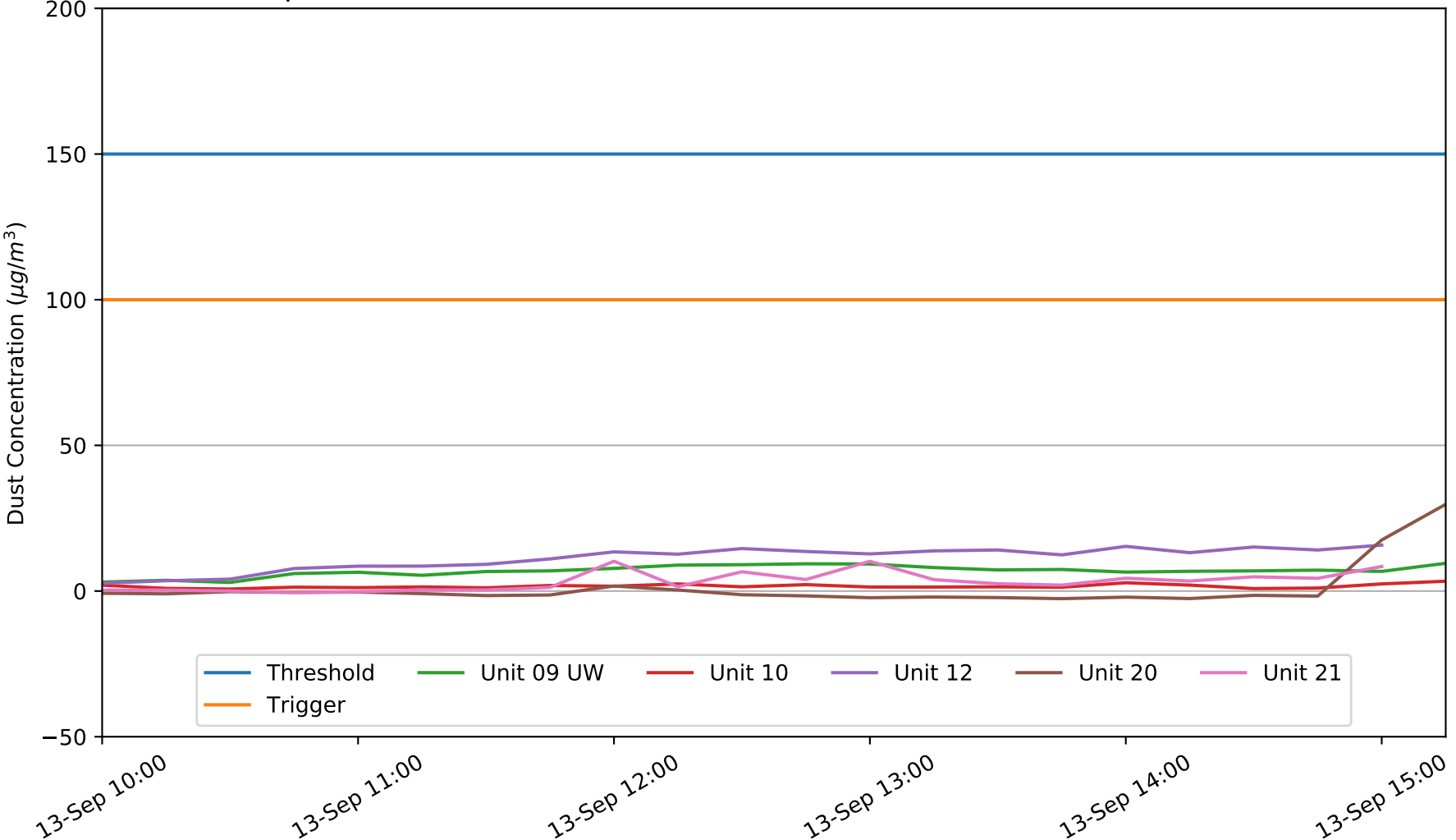


MSA



Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 13-Sep-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 13-Sep-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 20	Unit 09 UW	Unit 21	Unit 10	Unit 12	Threshold	Trigger
2018-09-13 10:00:00	-0.77	3.08	0.29	2.02	2.68	150	100
2018-09-13 10:15:00	-0.95	3.7	0.34	0.92	3.54	150	100
2018-09-13 10:30:00	-0.21	2.95	0.01	0.69	4.09	150	100
2018-09-13 10:45:00	-0.48	6.01	-0.46	1.33	7.73	150	100
2018-09-13 11:00:00	-0.34	6.45	-0.24	1.18	8.54	150	100
2018-09-13 11:15:00	-0.88	5.41	0.38	1.42	8.56	150	100
2018-09-13 11:30:00	-1.55	6.71	0.38	1.12	9.17	150	100
2018-09-13 11:45:00	-1.35	6.93	1.26	1.91	11.03	150	100
2018-09-13 12:00:00	1.73	7.78	10.24	1.66	13.45	150	100
2018-09-13 12:15:00	0.36	8.9	1.49	2.44	12.66	150	100
2018-09-13 12:30:00	-1.26	9.05	6.61	1.45	14.58	150	100
2018-09-13 12:45:00	-1.66	9.35	3.96	2.2	13.58	150	100
2018-09-13 13:00:00	-2.28	9.29	10.21	1.38	12.75	150	100
2018-09-13 13:15:00	-2.05	8.06	3.91	1.37	13.79	150	100
2018-09-13 13:30:00	-2.24	7.25	2.51	1.45	14.1	150	100
2018-09-13 13:45:00	-2.61	7.41	2.03	1.31	12.42	150	100
2018-09-13 14:00:00	-2.09	6.51	4.39	2.85	15.34	150	100
2018-09-13 14:15:00	-2.57	6.78	3.45	2.04	13.17	150	100
2018-09-13 14:30:00	-1.47	6.93	4.89	0.85	15.12	150	100
2018-09-13 14:45:00	-1.73	7.18	4.38	1.03	14.09	150	100
2018-09-13 15:00:00	17.53	6.75	8.42	2.45	15.76	150	100
2018-09-13 15:15:00	29.77	9.53		3.38		150	100

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"Number ", 22
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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 15:13:01 13-Sep-2018
"Max STEL ", 54.050126
"Max STEL @ ", 15:12:47 13-Sep-2018
"Avg point ", 7.949771
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
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record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 2.31, 19.5, 64, 748, 01 , 10:06:37, 13-Sep-2018
2, 2.75, 19.9, 66, 748, 00 , 10:21:37, 13-Sep-2018
3, 2.74, 20.3, 63, 748, 00 , 10:36:37, 13-Sep-2018
4, 5.53, 20.8, 71, 746, 01 , 10:51:37, 13-Sep-2018
5, 6.11, 21.5, 71, 746, 00 , 11:06:37, 13-Sep-2018
6, 4.53, 22.5, 69, 746, 00 , 11:21:37, 13-Sep-2018
7, 5.16, 23.5, 67, 746, 00 , 11:36:37, 13-Sep-2018
8, 5.58, 24.3, 63, 746, 00 , 11:51:37, 13-Sep-2018
9, 9.51, 24.4, 63, 746, 00 , 12:06:37, 13-Sep-2018
10, 9.26, 24.2, 64, 746, 00 , 12:21:37, 13-Sep-2018
11, 7.79, 24.7, 63, 746, 00 , 12:36:37, 13-Sep-2018
12, 7.69, 24.9, 63, 746, 00 , 12:51:37, 13-Sep-2018
13, 7.01, 26.2, 59, 746, 00 , 13:06:37, 13-Sep-2018
14, 6.01, 27.2, 56, 746, 00 , 13:21:37, 13-Sep-2018
15, 5.01, 28.0, 54, 746, 00 , 13:36:37, 13-Sep-2018
16, 4.80, 28.4, 52, 746, 00 , 13:51:37, 13-Sep-2018
17, 4.42, 28.5, 51, 746, 00 , 14:06:37, 13-Sep-2018
18, 4.21, 28.8, 50, 746, 00 , 14:21:37, 13-Sep-2018
19, 5.46, 29.5, 50, 746, 00 , 14:36:37, 13-Sep-2018
20, 5.45, 31.2, 44, 746, 00 , 14:51:37, 13-Sep-2018
21, 24.28, 30.9, 43, 746, 00 , 15:06:37, 13-Sep-2018
22, 39.30, 30.7, 45, 746, 00 , 15:21:37, 13-Sep-2018

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"Max Disp @ ", 15:14:29 13-Sep-2018
"Max STEL ", 10.287825
"Max STEL @ ", 15:16:40 13-Sep-2018
"Avg point ", 6.909124
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
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1, 3.08, 20.4, 64, 746, 01 , 10:06:30, 13-Sep-2018
2, 3.70, 20.9, 71, 746, 00 , 10:21:30, 13-Sep-2018
3, 2.95, 21.4, 76, 746, 01 , 10:36:30, 13-Sep-2018
4, 6.01, 22.1, 77, 746, 00 , 10:51:30, 13-Sep-2018
5, 6.45, 22.8, 77, 746, 03 , 11:06:30, 13-Sep-2018
6, 5.41, 23.8, 75, 746, 00 , 11:21:30, 13-Sep-2018
7, 6.71, 24.7, 70, 746, 00 , 11:36:30, 13-Sep-2018
8, 6.93, 25.6, 69, 746, 00 , 11:51:30, 13-Sep-2018
9, 7.78, 26.3, 67, 746, 00 , 12:06:30, 13-Sep-2018
10, 8.90, 26.1, 67, 746, 00 , 12:21:30, 13-Sep-2018
11, 9.05, 26.1, 67, 746, 00 , 12:36:30, 13-Sep-2018
12, 9.35, 26.2, 68, 746, 00 , 12:51:30, 13-Sep-2018
13, 9.29, 26.9, 66, 746, 00 , 13:06:30, 13-Sep-2018
14, 8.06, 27.8, 65, 746, 00 , 13:21:30, 13-Sep-2018
15, 7.25, 28.8, 61, 746, 00 , 13:36:30, 13-Sep-2018
16, 7.41, 29.7, 58, 746, 00 , 13:51:30, 13-Sep-2018
17, 6.51, 30.2, 57, 746, 00 , 14:06:30, 13-Sep-2018
18, 6.78, 30.8, 56, 746, 00 , 14:21:30, 13-Sep-2018
19, 6.93, 30.9, 55, 746, 00 , 14:36:30, 13-Sep-2018
20, 7.18, 31.4, 54, 746, 00 , 14:51:30, 13-Sep-2018
21, 6.75, 31.7, 53, 746, 00 , 15:06:30, 13-Sep-2018
22, 9.53, 31.3, 54, 744, 00 , 15:21:30, 13-Sep-2018

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"RH CORRECT ", "ENABLED "
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"Max STEL ", 20.850439
"Max STEL @ ", 13:01:13 13-Sep-2018
"Avg point ", 10.044756
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 3.37, 20.6, 70, 744, 05 , 10:06:43, 13-Sep-2018
2, 4.04, 21.2, 74, 746, 00 , 10:21:43, 13-Sep-2018
3, 2.96, 21.7, 79, 746, 03 , 10:36:43, 13-Sep-2018
4, 5.55, 22.4, 79, 746, 00 , 10:51:43, 13-Sep-2018
5, 6.21, 23.1, 78, 746, 01 , 11:06:43, 13-Sep-2018
6, 5.79, 24.3, 75, 746, 00 , 11:21:43, 13-Sep-2018
7, 7.09, 25.2, 71, 746, 00 , 11:36:43, 13-Sep-2018
8, 8.19, 26.6, 68, 746, 00 , 11:51:43, 13-Sep-2018
9, 18.02, 27.4, 64, 746, 00 , 12:06:43, 13-Sep-2018
10, 10.39, 27.5, 64, 746, 00 , 12:21:43, 13-Sep-2018
11, 15.66, 28.1, 62, 746, 00 , 12:36:43, 13-Sep-2018
12, 13.31, 28.5, 61, 746, 00 , 12:51:43, 13-Sep-2018
13, 19.50, 29.0, 58, 746, 00 , 13:06:43, 13-Sep-2018
14, 11.97, 29.4, 57, 744, 00 , 13:21:43, 13-Sep-2018
15, 9.76, 30.3, 56, 744, 00 , 13:36:43, 13-Sep-2018
16, 9.44, 31.4, 54, 744, 00 , 13:51:43, 13-Sep-2018
17, 10.90, 32.4, 51, 744, 00 , 14:06:43, 13-Sep-2018
18, 10.23, 33.3, 49, 744, 00 , 14:21:43, 13-Sep-2018
19, 11.82, 36.9, 41, 744, 00 , 14:36:43, 13-Sep-2018
20, 11.56, 39.8, 34, 744, 00 , 14:51:43, 13-Sep-2018
21, 15.17, 39.5, 34, 744, 00 , 15:06:43, 13-Sep-2018

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"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 71.596231
"Max Disp @ ", 15:13:21 13-Sep-2018
"Max STEL ", 15.078056
"Max STEL @ ", 15:17:48 13-Sep-2018
"Avg point ", 8.566843
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 5.10, 20.1, 66, 746, 01 , 10:06:28, 13-Sep-2018
2, 4.62, 20.7, 68, 746, 00 , 10:21:28, 13-Sep-2018
3, 3.64, 21.2, 73, 746, 00 , 10:36:28, 13-Sep-2018
4, 7.34, 21.8, 74, 746, 00 , 10:51:28, 13-Sep-2018
5, 7.63, 22.4, 72, 746, 00 , 11:06:28, 13-Sep-2018
6, 6.83, 23.0, 71, 746, 00 , 11:21:28, 13-Sep-2018
7, 7.83, 23.6, 69, 746, 00 , 11:36:28, 13-Sep-2018
8, 8.84, 24.3, 68, 746, 00 , 11:51:28, 13-Sep-2018
9, 9.44, 24.8, 65, 746, 00 , 12:06:28, 13-Sep-2018
10, 11.34, 24.6, 67, 744, 00 , 12:21:28, 13-Sep-2018
11, 10.50, 25.0, 67, 744, 00 , 12:36:28, 13-Sep-2018
12, 11.55, 25.2, 65, 744, 00 , 12:51:28, 13-Sep-2018
13, 10.67, 25.9, 65, 744, 00 , 13:06:28, 13-Sep-2018
14, 9.43, 26.8, 62, 744, 00 , 13:21:28, 13-Sep-2018
15, 8.70, 27.5, 60, 744, 00 , 13:36:28, 13-Sep-2018
16, 8.72, 27.9, 57, 744, 00 , 13:51:28, 13-Sep-2018
17, 9.36, 28.0, 57, 744, 00 , 14:06:28, 13-Sep-2018
18, 8.82, 28.2, 56, 744, 00 , 14:21:28, 13-Sep-2018
19, 7.78, 28.9, 56, 744, 00 , 14:36:28, 13-Sep-2018
20, 8.21, 30.3, 52, 744, 00 , 14:51:28, 13-Sep-2018
21, 9.20, 30.4, 50, 744, 00 , 15:06:28, 13-Sep-2018
22, 12.91, 29.9, 51, 744, 00 , 15:21:28, 13-Sep-2018

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"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 55.127368
"Max Disp @ ", 15:05:28 13-Sep-2018
"Max STEL ", 24.089580
"Max STEL @ ", 12:27:34 13-Sep-2018
"Avg point ", 18.028944
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
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"FlowRate ", 1.200000
"Site Name ", "Factory default"
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1, 5.76, 18.7, 62, 748, 01 , 10:06:34, 13-Sep-2018
2, 7.24, 19.2, 65, 748, 00 , 10:21:34, 13-Sep-2018
3, 7.04, 19.6, 61, 748, 00 , 10:36:34, 13-Sep-2018
4, 13.74, 20.1, 69, 748, 00 , 10:51:34, 13-Sep-2018
5, 14.99, 21.0, 69, 748, 00 , 11:06:34, 13-Sep-2018
6, 13.97, 22.1, 66, 748, 00 , 11:21:34, 13-Sep-2018
7, 15.88, 23.3, 63, 748, 00 , 11:36:34, 13-Sep-2018
8, 17.96, 24.6, 59, 748, 00 , 11:51:34, 13-Sep-2018
9, 21.23, 25.8, 54, 748, 00 , 12:06:34, 13-Sep-2018
10, 21.56, 25.9, 54, 748, 00 , 12:21:34, 13-Sep-2018
11, 23.63, 26.1, 53, 748, 00 , 12:36:34, 13-Sep-2018
12, 22.93, 26.4, 53, 748, 00 , 12:51:34, 13-Sep-2018
13, 22.04, 27.1, 51, 748, 00 , 13:06:34, 13-Sep-2018
14, 21.85, 27.6, 50, 748, 00 , 13:21:34, 13-Sep-2018
15, 21.35, 28.4, 48, 748, 00 , 13:36:34, 13-Sep-2018
16, 19.83, 29.5, 46, 748, 00 , 13:51:34, 13-Sep-2018
17, 21.85, 30.5, 42, 748, 00 , 14:06:34, 13-Sep-2018
18, 19.95, 31.5, 40, 748, 00 , 14:21:34, 13-Sep-2018
19, 22.05, 34.1, 35, 748, 00 , 14:36:34, 13-Sep-2018
20, 21.27, 36.2, 31, 748, 00 , 14:51:34, 13-Sep-2018
21, 22.51, 36.4, 29, 748, 00 , 15:06:34, 13-Sep-2018

DAILY OBSERVATION REPORT

Report No.:	91	Project File:	MN0832D	Date:	09/14/2018

Geosyntec consultants

engineers | scientists | innovators

Beech and Bonaparte engineering p.c.

an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Matt Schallinger

Site Representative: Matt Schallinger

Arrive at Site: 0700hrs. Leave Site: 1500 hrs.

Contractor: Recon

Health & Safety: Matt Schallinger

Weather and Site Conditions

General Description:	Cloudy	am	Partly Sunny	Pm
Temperature:	68° F	am	80 ° F	Pm
Wind Direction:	0 SW	am	2 SW	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 91 Project File: MN0832D Date: 09/14/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 543

Weight: ~24 tons/each Total Weight to date: ~13008 Tons (based on facility weight tickets)

Non Haz Soil Removal:

Total Loads today: 20 Total Loads to date: 550

Weight: 20-33 tons/each Total Weight to date: ~12,900 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 6

Weight: Tons Total Weight to date: 205 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1110

Weight: ~21 Tons/each Total Weight to date: ~22628 Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	91	Project File:	MN0832D	Date:	09/14/2018

Summary of Events

AM

- Geosyntec arrived on site at 0700. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed work plan for the day. Recon plans to ship out non-haz material from the MSA and continue with housekeeping activities.
- Geosyntec calibrated and deployed dust monitors in the MSA.
- Geosyntec signed manifests for non-haz material that was loaded into trucks by Recon. Trucks were loaded from the MSA and from the RPL truck wash.
- Recon organized supplies and prepared construction materials for offsite shipment in the equipment staging area immediately west of the MSA.
- The water truck applied water to the haul roads and work areas inside the MSA throughout the day. Recon also used a sweeper truck along the haul roads.

PM

- 20 trucks of non-hazardous material were loaded for offsite shipment. This comprised of 5 long bed dump trucks estimated at 33 tons each and 15 tri-axle dump trucks estimated at 20 tons each.
- A trailer was onsite to demobilize a CAT 349 excavator.
- Recon covered all piles of material at the end of the day.
- Geosyntec collected the monitors, downloaded data and shut down and left site around 1500.

Report No.: 91 Project File: MN0832D Date: 09/14/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Rich Tonnucour
- Addison Hofferth
- (Recon labor) X9

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX4
- Ford 5-ton dump - United Rentals
- Cat 336
- Excavator Mini
- Roller

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
N/A		

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date (RPL Turnover to ECSD): 8/29/18
Completion Date (MSA Turnover to STCC): TBD

ITEMS OF CONCERN:

None.

Site Representative: Matt Schallinger

Name (Signature):



Report No.: 91 Project File: MN0832D Date: 09/14/2018

Photo Log
Date : 09/14/2018

	
MSA non-haz loadout.	Recon sweeps the haul roads.
	
Non-haz loadout of the TSCA pad material.	Demobilization of the 349.

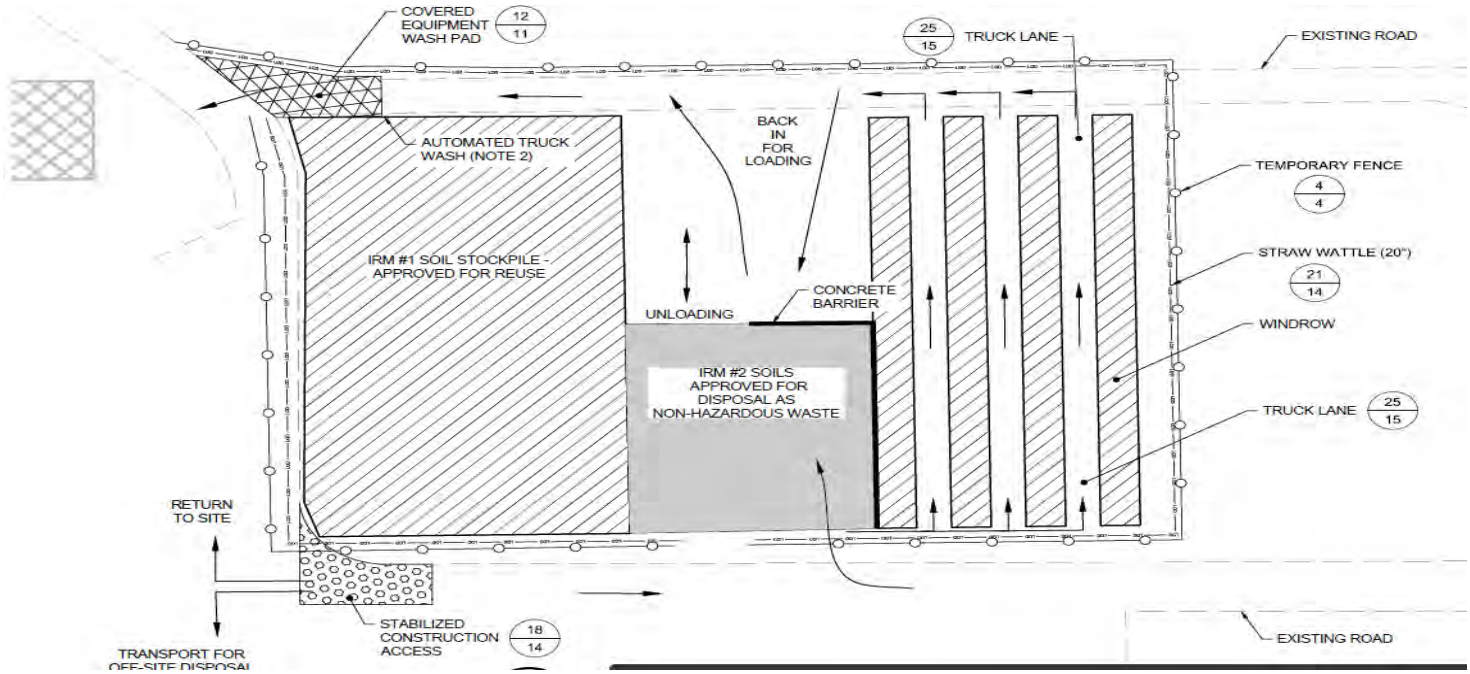
Report No.: 91 Project File: MN0832D Date: 09/14/2018

Site Map

Rear Parking Lot

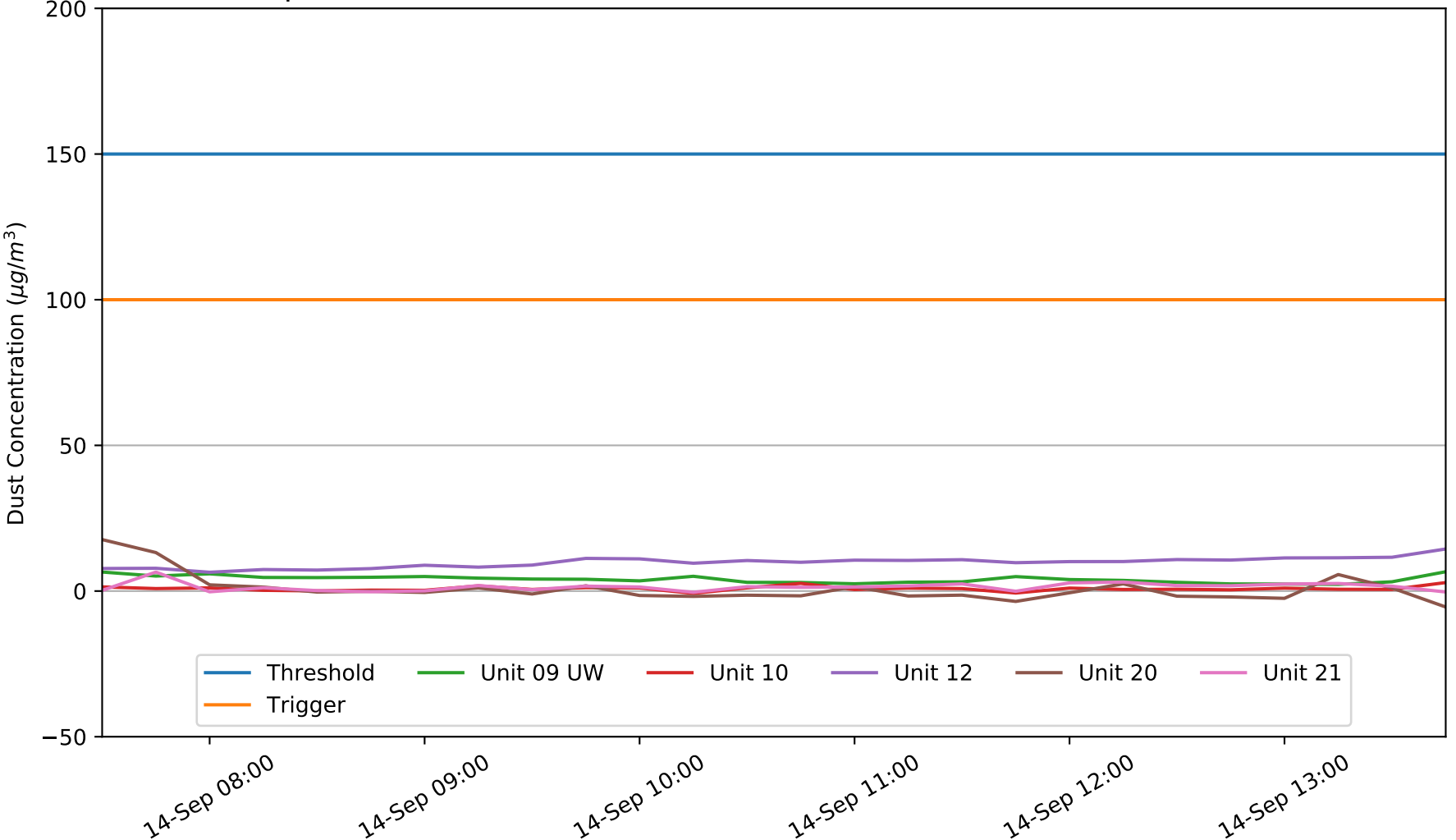


MSA



Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 14-Sep-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 14-Sep-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 09 UW	Unit 20	Unit 21	Unit 12	Unit 10	Threshold	Trigger
2018-09-14 07:30:00	6.53	17.67	0.23	7.74	1.43	150	100
2018-09-14 07:45:00	5.15	13.21	6.51	7.82	0.85	150	100
2018-09-14 08:00:00	5.91	2.13	-0.26	6.45	1.09	150	100
2018-09-14 08:15:00	4.67	1.36	1.13	7.39	0.25	150	100
2018-09-14 08:30:00	4.62	-0.35	0.16	7.2	0.05	150	100
2018-09-14 08:45:00	4.73	-0.08	-0.24	7.71	0.32	150	100
2018-09-14 09:00:00	4.99	-0.48	0.06	8.86	0.26	150	100
2018-09-14 09:15:00	4.44	1.07	1.89	8.21	1.79	150	100
2018-09-14 09:30:00	4.12	-1.01	0.46	8.91	0.55	150	100
2018-09-14 09:45:00	4.05	1.81	1.69	11.21	1.18	150	100
2018-09-14 10:00:00	3.5	-1.52	1.39	11.05	1.07	150	100
2018-09-14 10:15:00	5.07	-1.83	-0.43	9.55	-0.81	150	100
2018-09-14 10:30:00	2.99	-1.42	1.5	10.48	1.1	150	100
2018-09-14 10:45:00	2.95	-1.64	1.3	9.88	2.63	150	100
2018-09-14 11:00:00	2.5	1.51	1.4	10.6	0.52	150	100
2018-09-14 11:15:00	3.04	-1.7	1.76	10.51	1.01	150	100
2018-09-14 11:30:00	3.16	-1.4	2.45	10.77	0.84	150	100
2018-09-14 11:45:00	4.96	-3.56	-0.07	9.73	-0.68	150	100
2018-09-14 12:00:00	3.95	-0.59	2.8	10.11	1.02	150	100
2018-09-14 12:15:00	3.66	2.47	3.09	10.13	0.55	150	100
2018-09-14 12:30:00	3	-1.76	1.88	10.81	0.62	150	100
2018-09-14 12:45:00	2.45	-2.02	1.83	10.64	0.43	150	100
2018-09-14 13:00:00	2.41	-2.5	2.41	11.37	1	150	100
2018-09-14 13:15:00	2.29	5.67	2.6	11.42	0.62	150	100
2018-09-14 13:30:00	3.18	1.05	1.67	11.6	0.56	150	100
2018-09-14 13:45:00	6.63	-5.47	-0.32	14.44	2.91	150	100

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2, 5.15, 21.1, 82, 746, 00 , 07:52:06, 14-Sep-2018
3, 5.91, 21.2, 82, 746, 00 , 08:07:06, 14-Sep-2018
4, 4.67, 21.4, 81, 746, 00 , 08:22:06, 14-Sep-2018
5, 4.62, 21.7, 79, 746, 00 , 08:37:06, 14-Sep-2018
6, 4.73, 22.1, 78, 746, 00 , 08:52:06, 14-Sep-2018
7, 4.99, 22.7, 77, 746, 00 , 09:07:06, 14-Sep-2018
8, 4.44, 23.5, 74, 746, 00 , 09:22:06, 14-Sep-2018
9, 4.12, 24.4, 70, 746, 00 , 09:37:06, 14-Sep-2018
10, 4.05, 25.7, 66, 746, 00 , 09:52:06, 14-Sep-2018
11, 3.50, 27.0, 62, 746, 00 , 10:07:06, 14-Sep-2018
12, 5.07, 27.2, 61, 746, 00 , 10:22:06, 14-Sep-2018
13, 2.99, 27.4, 61, 746, 00 , 10:37:06, 14-Sep-2018
14, 2.95, 27.6, 60, 746, 00 , 10:52:06, 14-Sep-2018
15, 2.50, 28.2, 57, 746, 00 , 11:07:06, 14-Sep-2018
16, 3.04, 28.2, 57, 746, 00 , 11:22:06, 14-Sep-2018
17, 3.16, 28.7, 56, 746, 00 , 11:37:06, 14-Sep-2018
18, 4.96, 29.4, 54, 746, 00 , 11:52:06, 14-Sep-2018
19, 3.95, 29.0, 54, 746, 00 , 12:07:06, 14-Sep-2018
20, 3.66, 29.0, 56, 744, 00 , 12:22:06, 14-Sep-2018
21, 3.00, 30.0, 54, 744, 00 , 12:37:06, 14-Sep-2018
22, 2.45, 31.1, 51, 744, 00 , 12:52:06, 14-Sep-2018
23, 2.41, 32.1, 48, 744, 00 , 13:07:06, 14-Sep-2018
24, 2.29, 32.7, 44, 744, 00 , 13:22:06, 14-Sep-2018
25, 3.18, 32.9, 43, 744, 00 , 13:37:06, 14-Sep-2018
26, 6.63, 32.7, 43, 744, 00 , 13:52:06, 14-Sep-2018

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3, 8.04, 19.7, 78, 746, 00 , 08:03:27, 14-Sep-2018
4, 6.03, 19.8, 78, 746, 00 , 08:18:27, 14-Sep-2018
5, 4.27, 20.0, 77, 746, 00 , 08:33:27, 14-Sep-2018
6, 4.65, 20.4, 76, 746, 00 , 08:48:27, 14-Sep-2018
7, 4.51, 20.7, 74, 746, 00 , 09:03:27, 14-Sep-2018
8, 5.51, 21.3, 73, 746, 00 , 09:18:27, 14-Sep-2018
9, 3.11, 22.3, 68, 746, 00 , 09:33:27, 14-Sep-2018
10, 5.86, 23.4, 65, 746, 00 , 09:48:27, 14-Sep-2018
11, 1.98, 25.3, 58, 746, 00 , 10:03:27, 14-Sep-2018
12, 3.24, 25.9, 55, 746, 00 , 10:18:27, 14-Sep-2018
13, 1.57, 26.1, 54, 746, 00 , 10:33:27, 14-Sep-2018
14, 1.31, 26.4, 54, 746, 00 , 10:48:27, 14-Sep-2018
15, 4.01, 27.6, 49, 746, 00 , 11:03:27, 14-Sep-2018
16, 1.34, 27.0, 49, 746, 00 , 11:18:27, 14-Sep-2018
17, 1.76, 26.6, 52, 746, 00 , 11:33:27, 14-Sep-2018
18, 1.40, 27.0, 50, 746, 00 , 11:48:27, 14-Sep-2018
19, 3.36, 26.4, 52, 746, 00 , 12:03:27, 14-Sep-2018
20, 6.13, 26.1, 54, 746, 00 , 12:18:27, 14-Sep-2018
21, 1.24, 27.2, 52, 746, 00 , 12:33:27, 14-Sep-2018
22, 0.43, 28.7, 47, 746, 00 , 12:48:27, 14-Sep-2018
23, -0.09, 30.2, 43, 746, 00 , 13:03:27, 14-Sep-2018
24, 7.96, 31.7, 39, 744, 00 , 13:18:27, 14-Sep-2018
25, 4.23, 31.6, 37, 744, 00 , 13:33:27, 14-Sep-2018
26, 1.16, 30.6, 40, 744, 00 , 13:48:27, 14-Sep-2018

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"Max STEL @ ", 07:46:14 14-Sep-2018
"Avg point ", 5.455758
"ALARM ", "INSTANT "
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"Errors ", 0000
"Inlet Type " "TOTAL "
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"Site Name ", "Factory default"
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1, 6.76, 21.1, 80, 744, 05 , 07:34:04, 14-Sep-2018
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3, 5.65, 21.0, 88, 744, 00 , 08:04:04, 14-Sep-2018
4, 5.80, 21.2, 87, 744, 00 , 08:19:04, 14-Sep-2018
5, 4.78, 21.4, 85, 744, 00 , 08:34:04, 14-Sep-2018
6, 4.49, 21.9, 82, 744, 00 , 08:49:04, 14-Sep-2018
7, 5.05, 22.5, 80, 744, 00 , 09:04:04, 14-Sep-2018
8, 6.33, 23.2, 78, 744, 00 , 09:19:04, 14-Sep-2018
9, 4.58, 24.2, 73, 744, 00 , 09:34:04, 14-Sep-2018
10, 5.74, 25.2, 69, 744, 00 , 09:49:04, 14-Sep-2018
11, 4.89, 26.6, 64, 744, 00 , 10:04:04, 14-Sep-2018
12, 4.64, 27.1, 62, 744, 00 , 10:19:04, 14-Sep-2018
13, 4.49, 27.3, 61, 744, 00 , 10:34:04, 14-Sep-2018
14, 4.25, 27.7, 60, 744, 00 , 10:49:04, 14-Sep-2018
15, 3.90, 28.5, 57, 744, 00 , 11:04:04, 14-Sep-2018
16, 4.80, 28.4, 56, 744, 00 , 11:19:04, 14-Sep-2018
17, 5.61, 28.5, 57, 744, 00 , 11:34:04, 14-Sep-2018
18, 4.89, 29.1, 54, 744, 00 , 11:49:04, 14-Sep-2018
19, 6.75, 28.7, 55, 744, 00 , 12:04:04, 14-Sep-2018
20, 6.75, 28.4, 57, 744, 00 , 12:19:04, 14-Sep-2018
21, 4.88, 29.4, 55, 744, 00 , 12:34:04, 14-Sep-2018
22, 4.28, 30.8, 50, 744, 00 , 12:49:04, 14-Sep-2018
23, 4.82, 32.0, 48, 744, 00 , 13:04:04, 14-Sep-2018
24, 4.89, 33.2, 44, 744, 00 , 13:19:04, 14-Sep-2018
25, 4.85, 33.7, 42, 744, 00 , 13:34:04, 14-Sep-2018
26, 6.31, 33.1, 45, 744, 03 , 13:49:04, 14-Sep-2018

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"Max STEL ", 21.071625
"Max STEL @ ", 13:52:03 14-Sep-2018
"Avg point ", 13.828541
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
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1, 14.27, 19.1, 69, 746, 01 , 07:37:03, 14-Sep-2018
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3, 12.36, 19.3, 74, 746, 00 , 08:07:03, 14-Sep-2018
4, 12.06, 19.4, 74, 746, 00 , 08:22:03, 14-Sep-2018
5, 11.82, 19.6, 73, 746, 00 , 08:37:03, 14-Sep-2018
6, 12.44, 20.0, 71, 746, 00 , 08:52:03, 14-Sep-2018
7, 13.85, 20.5, 70, 746, 00 , 09:07:03, 14-Sep-2018
8, 12.65, 21.2, 67, 746, 00 , 09:22:03, 14-Sep-2018
9, 13.03, 22.2, 63, 746, 00 , 09:37:03, 14-Sep-2018
10, 15.26, 24.0, 58, 748, 00 , 09:52:03, 14-Sep-2018
11, 14.55, 25.7, 51, 748, 00 , 10:07:03, 14-Sep-2018
12, 14.62, 25.4, 52, 748, 00 , 10:22:03, 14-Sep-2018
13, 13.47, 25.0, 53, 748, 00 , 10:37:03, 14-Sep-2018
14, 12.83, 25.0, 54, 746, 00 , 10:52:03, 14-Sep-2018
15, 13.10, 25.9, 50, 748, 00 , 11:07:03, 14-Sep-2018
16, 13.55, 25.4, 51, 748, 00 , 11:22:03, 14-Sep-2018
17, 13.93, 25.5, 52, 746, 00 , 11:37:03, 14-Sep-2018
18, 14.69, 25.8, 50, 746, 00 , 11:52:03, 14-Sep-2018
19, 14.06, 25.4, 51, 746, 00 , 12:07:03, 14-Sep-2018
20, 13.79, 25.3, 53, 746, 00 , 12:22:03, 14-Sep-2018
21, 13.81, 26.2, 51, 746, 00 , 12:37:03, 14-Sep-2018
22, 13.09, 27.2, 48, 746, 00 , 12:52:03, 14-Sep-2018
23, 13.78, 27.9, 45, 746, 00 , 13:07:03, 14-Sep-2018
24, 13.71, 28.3, 43, 746, 00 , 13:22:03, 14-Sep-2018
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"RH CORRECT ", "ENABLED "
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"Max STEL ", 9.541748
"Max STEL @ ", 13:51:26 14-Sep-2018
"Avg point ", 4.850350
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
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"FlowRate ", 1.200000
"Site Name ", "Factory default"
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1, 7.96, 20.4, 76, 744, 01 , 07:36:26, 14-Sep-2018
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4, 4.92, 20.7, 81, 744, 00 , 08:21:26, 14-Sep-2018
5, 4.67, 20.9, 80, 744, 00 , 08:36:26, 14-Sep-2018
6, 5.05, 21.2, 78, 744, 00 , 08:51:26, 14-Sep-2018
7, 5.25, 21.6, 78, 744, 00 , 09:06:26, 14-Sep-2018
8, 6.23, 22.3, 75, 744, 00 , 09:21:26, 14-Sep-2018
9, 4.67, 23.2, 70, 744, 00 , 09:36:26, 14-Sep-2018
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12, 4.26, 26.2, 59, 744, 00 , 10:21:26, 14-Sep-2018
13, 4.09, 25.6, 61, 744, 00 , 10:36:26, 14-Sep-2018
14, 5.58, 25.4, 62, 744, 00 , 10:51:26, 14-Sep-2018
15, 3.02, 26.5, 58, 744, 00 , 11:06:26, 14-Sep-2018
16, 4.05, 26.0, 59, 744, 00 , 11:21:26, 14-Sep-2018
17, 4.00, 26.2, 60, 744, 00 , 11:36:26, 14-Sep-2018
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19, 4.97, 25.9, 60, 744, 00 , 12:06:26, 14-Sep-2018
20, 4.21, 25.8, 61, 744, 00 , 12:21:26, 14-Sep-2018
21, 3.62, 26.5, 60, 744, 00 , 12:36:26, 14-Sep-2018
22, 2.88, 27.4, 56, 744, 00 , 12:51:26, 14-Sep-2018
23, 3.41, 28.1, 54, 744, 00 , 13:06:26, 14-Sep-2018
24, 2.91, 28.6, 53, 744, 00 , 13:21:26, 14-Sep-2018
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26, 9.54, 28.1, 52, 744, 00 , 13:51:26, 14-Sep-2018

DAILY OBSERVATION REPORT

Report No.:	92	Project File:	MN0832D	Date:	09/17/2018

Geosyntec consultants

engineers | scientists | innovators

Beech and Bonaparte engineering p.c.

an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Ashwin Ranna

Site Representative: Ashwin Ranna

Arrive at Site: 0700hrs. Leave Site: 1630hrs.

Contractor: Recon

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Cloudy	Am	Partly Sunny	Pm
Temperature:	65° F	Am	83° F	Pm
Wind Direction:	6 S	Am	10 S	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☒	No ☐	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 92 Project File: MN0832D Date: 09/17/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 543

Weight: ~24 tons/each Total Weight to date: ~12951 Tons (Based on facility weight tickets)

Non Haz Soil Removal:

Total Loads today: 20 Total Loads to date: 570

Weight: 20-33 tons/each Total Weight to date: 13330Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 6

Weight: Tons Total Weight to date: 205 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1110

Weight: ~21 Tons/each Total Weight to date: ~22628Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	92	Project File:	MN0832D	Date:	09/17/2018

Summary of Events

AM

- Geosyntec arrived on site at 0700. Calibrated and configured dust monitors. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed work plan for the day. Recon planned to ship out Non Haz material from the TSCA loading pad and from the MSA.
- Geosyntec deployed dust monitors and signed manifests for Non Haz materials.
- Recon continued housekeeping activities around the site. Water truck was run continuously till the end of day.

PM

- 20 trucks of non-hazardous material were loaded for offsite shipment.
- NYSDEC were on site around 1400. Tim Schneider inspected the grass and expressed concern about the soil plugs that had been generated during aerating the field. He also pointed out that soil could enter the storm drains and advised to fix the barrier and signs to keep people off the grass.
- Recon and Geosyntec installed liners for the storm catch basins and replaced signage and refixed the barriers. Geosyntec coordinated with the school and installed a new lock on the back gate near the mulch beds.
- Rain began on site towards the end of the day. Work was stopped at 1530 and piles were covered.
- Recon covered piles in the MSA at the end of the day. Geosyntec collected dust monitors and analyzed the data.
- Geosyntec collected the monitors, downloaded data and shut down and left site around 1630.

Report No.: 92 Project File: MN0832D Date: 09/17/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Brien Kilkenny
- Bryan Balog
- Addison Hofferth
- Rich Tonnucour
- (Recon labor) X5

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX2
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Tim Schneider	NYSDEC	No
Scott Williams	NYSDEC	No

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date (RPL Turnover to ECSD): 8/29/18
Completion Date (MSA Turnover to STCC): TBD

ITEMS OF CONCERN:

One Monitor had a high reading associated with a truck idling in front of it while waiting for Decon. Drivers were advised not to idle vehicles and water was sprayed throughout the day. No other high readings were recorded.

Site Representative: Ashwin Ranna

Name (Signature):



Report No.:	92	Project File:	MN0832D	Date:	09/17/2018

Photo Log
Date : 09/17/2018

	
Loadout of Non Haz soil from MSA	Spraying water to keep dust down
	
Installed liners to prevent material going into storm drains	Stockpile covered at end of the day.

DAILY OBSERVATION REPORT

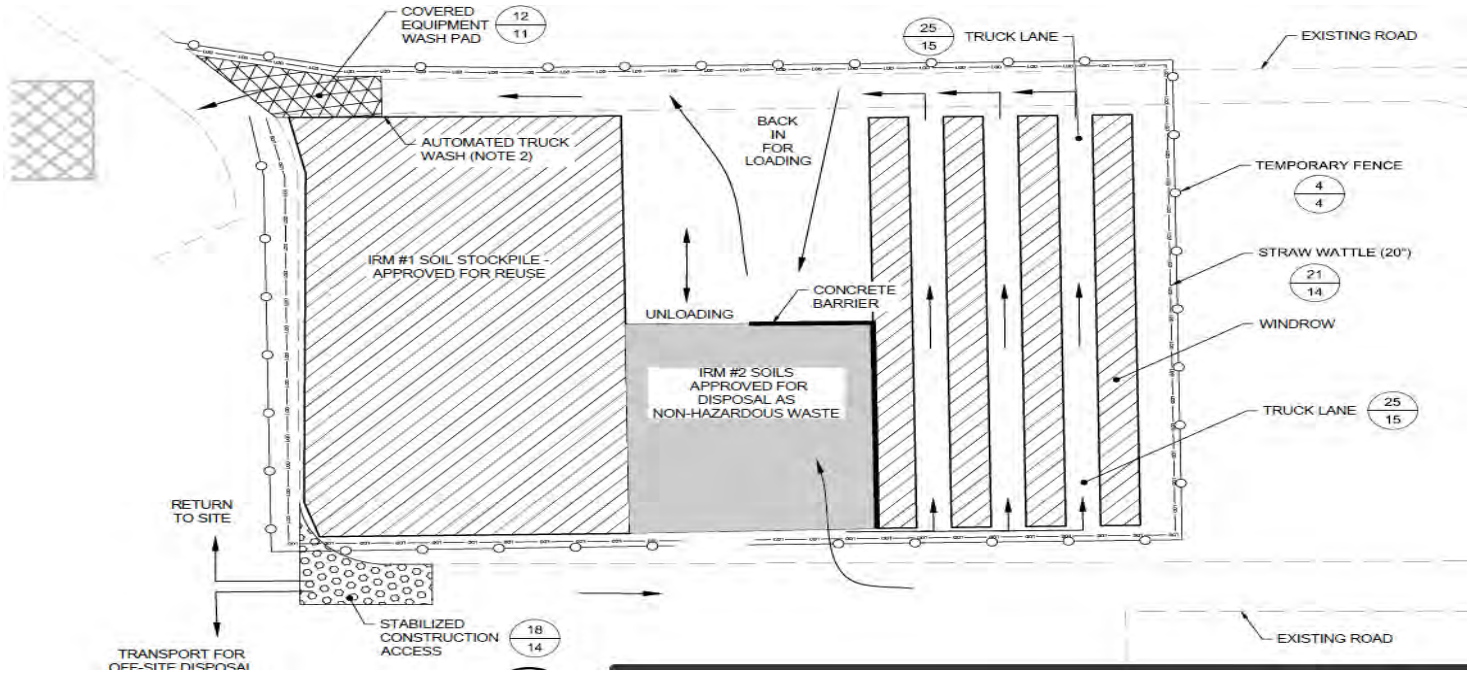
Report No.:	92	Project File:	MN0832D	Date:	09/17/2018

Site Map

Rear Parking Lot

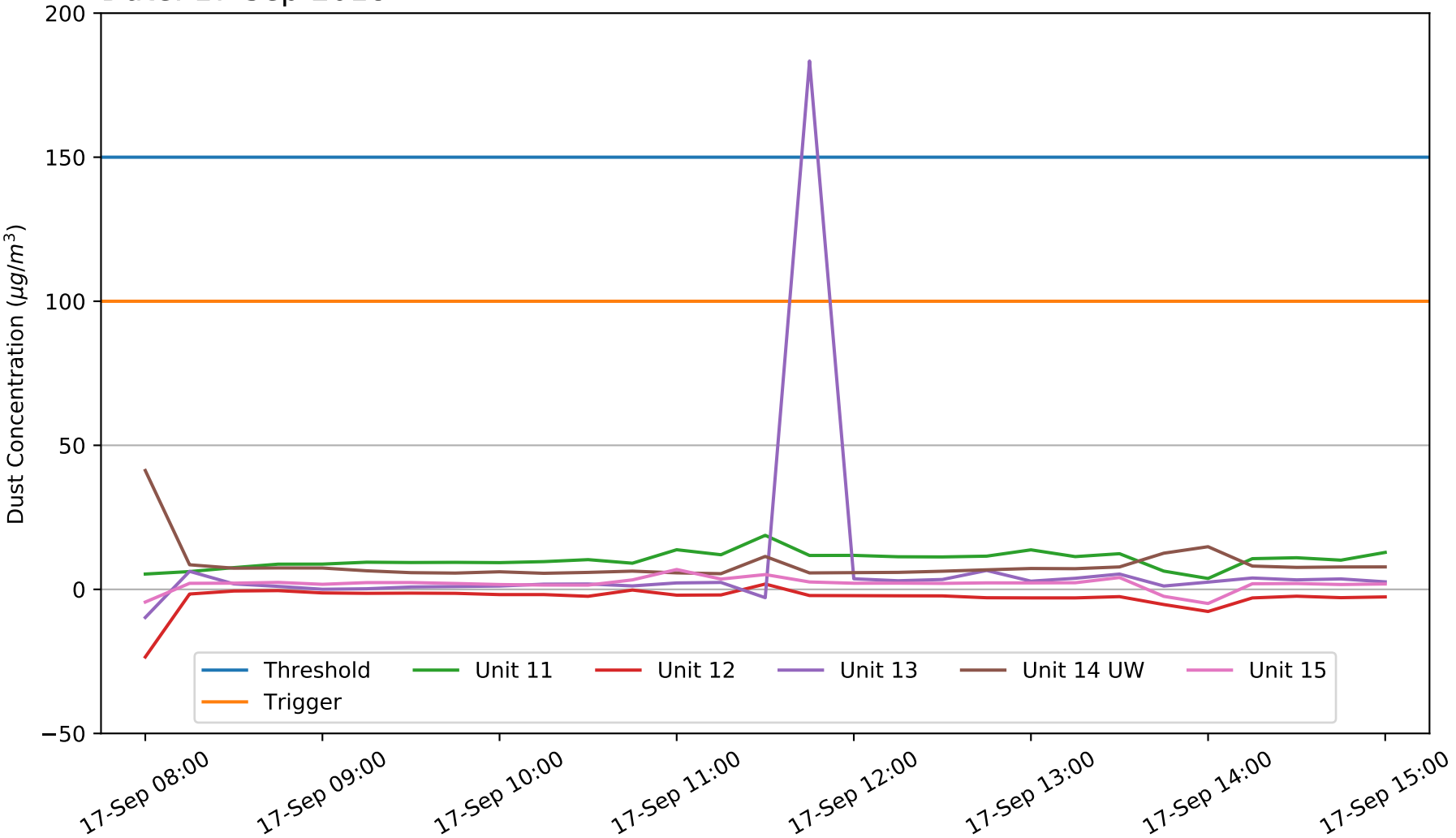


MSA



Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 17-Sep-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 17-Sep-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 11	Unit 14 UW	Unit 12	Unit 15	Unit 13	Threshold	Trigger
2018-09-17 07:45:00						150	100
2018-09-17 08:00:00	5.32	41.26	-23.47	-4.4	-9.76	150	100
2018-09-17 08:15:00	6.18	8.54	-1.61	2.1	6.26	150	100
2018-09-17 08:30:00	7.55	7.35	-0.57	2.16	1.9	150	100
2018-09-17 08:45:00	8.75	7.44	-0.43	2.42	1.04	150	100
2018-09-17 09:00:00	8.77	7.41	-1.23	1.76	0.04	150	100
2018-09-17 09:15:00	9.43	6.45	-1.37	2.35	0.21	150	100
2018-09-17 09:30:00	9.32	5.8	-1.3	2.37	0.83	150	100
2018-09-17 09:45:00	9.38	5.65	-1.37	2.05	0.98	150	100
2018-09-17 10:00:00	9.28	6.11	-1.81	1.68	1.16	150	100
2018-09-17 10:15:00	9.63	5.58	-1.81	1.5	1.81	150	100
2018-09-17 10:30:00	10.32	5.89	-2.4	1.48	1.87	150	100
2018-09-17 10:45:00	9.08	6.33	-0.23	3.29	1.2	150	100
2018-09-17 11:00:00	13.76	5.73	-2.01	6.9	2.24	150	100
2018-09-17 11:15:00	12.02	5.45	-1.93	3.58	2.41	150	100
2018-09-17 11:30:00	18.76	11.44	1.85	5.14	-2.88	150	100
2018-09-17 11:45:00	11.77	5.71	-2.14	2.57	183.38	150	100
2018-09-17 12:00:00	11.8	5.81	-2.18	2.13	3.67	150	100
2018-09-17 12:15:00	11.32	5.9	-2.23	2.16	2.99	150	100
2018-09-17 12:30:00	11.26	6.3	-2.26	2.08	3.43	150	100
2018-09-17 12:45:00	11.53	6.79	-2.91	2.26	6.56	150	100
2018-09-17 13:00:00	13.72	7.25	-2.96	2.24	2.85	150	100
2018-09-17 13:15:00	11.37	7.18	-2.96	2.3	3.85	150	100
2018-09-17 13:30:00	12.38	7.79	-2.52	4.11	5.32	150	100
2018-09-17 13:45:00	6.34	12.56	-5.26	-2.42	1.16	150	100
2018-09-17 14:00:00	3.78	14.81	-7.67	-4.9	2.52	150	100
2018-09-17 14:15:00	10.66	8.09	-2.97	1.95	3.95	150	100
2018-09-17 14:30:00	10.98	7.63	-2.37	2.03	3.3	150	100
2018-09-17 14:45:00	10.14	7.78	-2.88	1.69	3.63	150	100
2018-09-17 15:00:00	12.83	7.8	-2.61	1.88	2.62	150	100
2018-09-17 15:15:00						150	100

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"TEMPUNITS ", C
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"Max STEL @ ", 08:03:13 17-Sep-2018
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4, 16.19, 19.4, 63, 744, 00 , 08:45:03, 17-Sep-2018
5, 16.18, 21.4, 57, 744, 00 , 09:00:03, 17-Sep-2018
6, 15.88, 22.5, 53, 744, 00 , 09:15:03, 17-Sep-2018
7, 15.12, 22.7, 52, 744, 00 , 09:30:03, 17-Sep-2018
8, 15.03, 23.3, 51, 744, 00 , 09:45:03, 17-Sep-2018
9, 15.39, 24.8, 48, 744, 00 , 10:00:03, 17-Sep-2018
10, 15.21, 25.6, 46, 744, 00 , 10:15:03, 17-Sep-2018
11, 16.21, 26.5, 43, 744, 00 , 10:30:03, 17-Sep-2018
12, 15.41, 26.0, 43, 744, 00 , 10:45:03, 17-Sep-2018
13, 19.49, 26.1, 44, 744, 00 , 11:00:03, 17-Sep-2018
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15, 30.20, 29.0, 37, 744, 00 , 11:30:03, 17-Sep-2018
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17, 17.61, 29.4, 35, 744, 00 , 12:00:03, 17-Sep-2018
18, 17.22, 28.6, 38, 744, 00 , 12:15:03, 17-Sep-2018
19, 17.56, 29.3, 38, 744, 00 , 12:30:03, 17-Sep-2018
20, 18.32, 29.6, 36, 744, 00 , 12:45:03, 17-Sep-2018
21, 20.97, 29.9, 35, 744, 00 , 13:00:03, 17-Sep-2018
22, 18.55, 29.8, 34, 742, 00 , 13:15:03, 17-Sep-2018
23, 20.17, 28.8, 37, 742, 00 , 13:30:03, 17-Sep-2018
24, 18.90, 27.6, 40, 742, 00 , 13:45:03, 17-Sep-2018
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26, 18.75, 26.0, 46, 742, 00 , 14:15:03, 17-Sep-2018
27, 18.61, 25.9, 46, 742, 00 , 14:30:03, 17-Sep-2018
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2, 8.54, 18.3, 76, 742, 03 , 08:15:03, 17-Sep-2018
3, 7.35, 18.1, 82, 742, 00 , 08:30:03, 17-Sep-2018
4, 7.44, 18.6, 81, 742, 00 , 08:45:03, 17-Sep-2018
5, 7.41, 19.6, 75, 742, 00 , 09:00:03, 17-Sep-2018
6, 6.45, 20.4, 76, 742, 00 , 09:15:03, 17-Sep-2018
7, 5.80, 21.2, 74, 742, 00 , 09:30:03, 17-Sep-2018
8, 5.65, 22.6, 71, 742, 00 , 09:45:03, 17-Sep-2018
9, 6.11, 24.4, 66, 742, 00 , 10:00:03, 17-Sep-2018
10, 5.58, 25.9, 62, 742, 00 , 10:15:03, 17-Sep-2018
11, 5.89, 27.0, 56, 742, 00 , 10:30:03, 17-Sep-2018
12, 6.33, 26.8, 56, 742, 00 , 10:45:03, 17-Sep-2018
13, 5.73, 26.9, 55, 742, 00 , 11:00:03, 17-Sep-2018
14, 5.45, 27.4, 54, 742, 00 , 11:15:03, 17-Sep-2018
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17, 5.81, 29.9, 47, 740, 00 , 12:00:03, 17-Sep-2018
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20, 6.79, 31.5, 45, 740, 00 , 12:45:03, 17-Sep-2018
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22, 7.18, 32.0, 43, 740, 00 , 13:15:03, 17-Sep-2018
23, 7.79, 31.0, 45, 740, 00 , 13:30:03, 17-Sep-2018
24, 12.56, 29.8, 48, 740, 00 , 13:45:03, 17-Sep-2018
25, 14.81, 28.7, 51, 740, 00 , 14:00:03, 17-Sep-2018
26, 8.09, 28.2, 53, 740, 00 , 14:15:03, 17-Sep-2018
27, 7.63, 28.2, 54, 740, 00 , 14:30:03, 17-Sep-2018
28, 7.78, 27.9, 54, 740, 00 , 14:45:03, 17-Sep-2018
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"Max STEL @ ", 07:50:53 17-Sep-2018
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"Errors ", 0000
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2, 17.79, 18.3, 65, 744, 00 , 08:00:03, 17-Sep-2018
3, 6.93, 17.6, 69, 744, 03 , 08:15:03, 17-Sep-2018
4, 6.78, 17.2, 73, 744, 00 , 08:30:03, 17-Sep-2018
5, 7.01, 17.3, 75, 744, 00 , 08:45:03, 17-Sep-2018
6, 6.18, 17.7, 77, 744, 00 , 09:00:03, 17-Sep-2018
7, 5.08, 18.3, 76, 742, 00 , 09:15:03, 17-Sep-2018
8, 4.50, 19.0, 75, 742, 00 , 09:30:03, 17-Sep-2018
9, 4.28, 20.0, 72, 742, 00 , 09:45:03, 17-Sep-2018
10, 4.30, 21.0, 69, 742, 00 , 10:00:03, 17-Sep-2018
11, 3.77, 22.0, 65, 742, 00 , 10:15:03, 17-Sep-2018
12, 3.49, 22.7, 60, 742, 00 , 10:30:03, 17-Sep-2018
13, 6.10, 22.8, 59, 742, 00 , 10:45:03, 17-Sep-2018
14, 3.72, 23.0, 58, 742, 00 , 11:00:03, 17-Sep-2018
15, 3.52, 23.1, 58, 742, 00 , 11:15:03, 17-Sep-2018
16, 13.29, 23.7, 57, 742, 00 , 11:30:03, 17-Sep-2018
17, 3.57, 24.5, 54, 742, 00 , 11:45:03, 17-Sep-2018
18, 3.63, 25.2, 52, 742, 00 , 12:00:03, 17-Sep-2018
19, 3.67, 25.7, 51, 742, 00 , 12:15:03, 17-Sep-2018
20, 4.04, 26.4, 50, 742, 00 , 12:30:03, 17-Sep-2018
21, 3.88, 27.0, 47, 742, 00 , 12:45:03, 17-Sep-2018
22, 4.29, 27.5, 44, 742, 00 , 13:00:03, 17-Sep-2018
23, 4.22, 27.4, 45, 742, 00 , 13:15:03, 17-Sep-2018
24, 5.27, 26.8, 46, 740, 00 , 13:30:03, 17-Sep-2018
25, 7.30, 26.1, 49, 740, 00 , 13:45:03, 17-Sep-2018
26, 7.14, 25.3, 52, 740, 00 , 14:00:03, 17-Sep-2018
27, 5.12, 25.2, 53, 740, 00 , 14:15:03, 17-Sep-2018
28, 5.26, 25.3, 54, 740, 00 , 14:30:03, 17-Sep-2018
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"Max Disp @ ", 07:50:53 17-Sep-2018
"Max STEL ", 37.332127
"Max STEL @ ", 08:03:03 17-Sep-2018
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"FlowRate ", 1.200000
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2, 10.64, 18.3, 73, 742, 00 , 08:15:03, 17-Sep-2018
3, 9.51, 18.8, 75, 742, 00 , 08:30:03, 17-Sep-2018
4, 9.86, 20.5, 71, 742, 00 , 08:45:03, 17-Sep-2018
5, 9.17, 22.4, 65, 740, 00 , 09:00:03, 17-Sep-2018
6, 8.80, 23.4, 61, 740, 00 , 09:15:03, 17-Sep-2018
7, 8.17, 23.7, 60, 740, 00 , 09:30:03, 17-Sep-2018
8, 7.70, 24.5, 58, 740, 00 , 09:45:03, 17-Sep-2018
9, 7.79, 25.9, 55, 740, 00 , 10:00:03, 17-Sep-2018
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21, 9.49, 30.9, 42, 740, 00 , 13:00:03, 17-Sep-2018
22, 9.48, 30.7, 41, 740, 00 , 13:15:03, 17-Sep-2018
23, 11.90, 29.8, 43, 740, 00 , 13:30:03, 17-Sep-2018
24, 10.14, 28.6, 46, 740, 00 , 13:45:03, 17-Sep-2018
25, 9.91, 27.6, 50, 740, 00 , 14:00:03, 17-Sep-2018
26, 10.04, 27.0, 51, 738, 00 , 14:15:03, 17-Sep-2018
27, 9.66, 26.9, 51, 738, 00 , 14:30:03, 17-Sep-2018
28, 9.47, 26.4, 53, 738, 00 , 14:45:03, 17-Sep-2018
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"RH CORRECT ", "ENABLED "
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"Max STEL ", 189.765720
"Max STEL @ ", 11:50:13 17-Sep-2018
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4, 8.48, 19.0, 81, 742, 00 , 08:45:03, 17-Sep-2018
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21, 10.10, 28.6, 51, 740, 00 , 13:00:03, 17-Sep-2018
22, 11.03, 28.4, 51, 740, 00 , 13:15:03, 17-Sep-2018
23, 13.11, 27.8, 53, 740, 00 , 13:30:03, 17-Sep-2018
24, 13.72, 27.0, 56, 740, 00 , 13:45:03, 17-Sep-2018
25, 17.33, 26.3, 58, 740, 00 , 14:00:03, 17-Sep-2018
26, 12.04, 26.0, 60, 738, 00 , 14:15:03, 17-Sep-2018
27, 10.93, 26.2, 60, 738, 00 , 14:30:03, 17-Sep-2018
28, 11.41, 26.1, 60, 738, 00 , 14:45:03, 17-Sep-2018
29, 10.42, 25.8, 61, 738, 00 , 15:00:03, 17-Sep-2018

DAILY OBSERVATION REPORT

Report No.:	93	Project File:	MN0832D	Date:	09/18/2018

Geosyntec consultants
engineers | scientists | innovators

Beech and Bonaparte engineering p.c.
an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Ashwin Ranna

Site Representative: Ashwin Ranna

Arrive at Site: 0630hrs. Leave Site: 1700hrs.

Contractor: Recon

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Cloudy	Am	Sunny	Pm
Temperature:	60° F	Am	82° F	Pm
Wind Direction:	0 S	Am	6 NW	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 93 Project File: MN0832D Date: 09/18/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 543

Weight: ~20 tons/each Total Weight to date: 13008 Tons (Based on facility weight tickets)

Non Haz Soil Removal:

Total Loads today: 24 Total Loads to date: 594

Weight: 20-33 tons/each Total Weight to date: ~13850Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 6

Weight: Tons Total Weight to date: 205 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1110

Weight: ~21 Tons/each Total Weight to date: ~22628Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	93	Project File:	MN0832D	Date:	09/18/2018

Summary of Events

AM

- Geosyntec arrived on site at 0630. Calibrated and configured dust monitors. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed work plan for the day. Recon planned to ship out Non Haz material from the TSCA loading pad and from the MSA.
- Geosyntec deployed dust monitors and signed manifests for Non Haz materials.
- Recon continued housekeeping activities around the site. Water truck was run continuously till the end of day.
- Recon continued demobilizing equipment from site and removed Sheet pile from the site. Recon is preparing to move trailers offsite.

PM

- 24 trucks of non-hazardous material were loaded for offsite shipment. All material from the TSCA pad was removed and taken offsite.
- Recon spread hay on top of the Grass seed area near the mulch beds.
- Recon covered piles in the MSA at the end of the day. Geosyntec collected dust monitors and analyzed the data.
- Geosyntec collected the monitors, downloaded data and shut down and left site around 1700.

DAILY OBSERVATION REPORT

Report No.:	93	Project File:	MN0832D	Date:	09/18/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Brien Kilkenny
- Bryan Balog
- Addison Hofferth
- Rich Tonnucour
- (Recon labor) X6

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX2
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: 8/24/18

ITEMS OF CONCERN:

Site Representative: Ashwin Ranna

Name (Signature):



Report No.:	93	Project File:	MN0832D	Date:	09/18/2018

Photo Log
Date : 09/18/2018

	
Sheet piles being loaded offsite.	Cleaning dust off roads after spraying water.
	
Spreading Hay on top of Grass area near mulch beds.	Stockpile covered at end of the day.

DAILY OBSERVATION REPORT

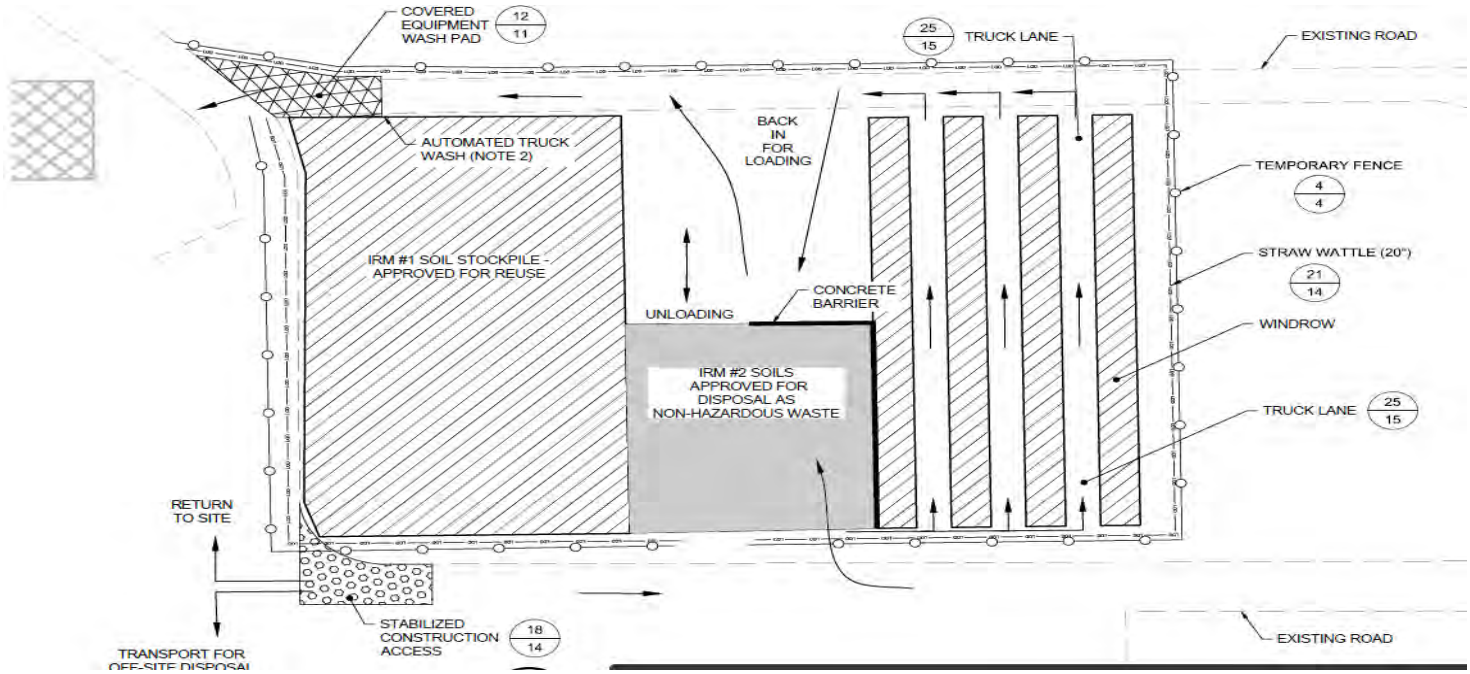
Report No.:	93	Project File:	MN0832D	Date:	09/18/2018

Site Map

Rear Parking Lot

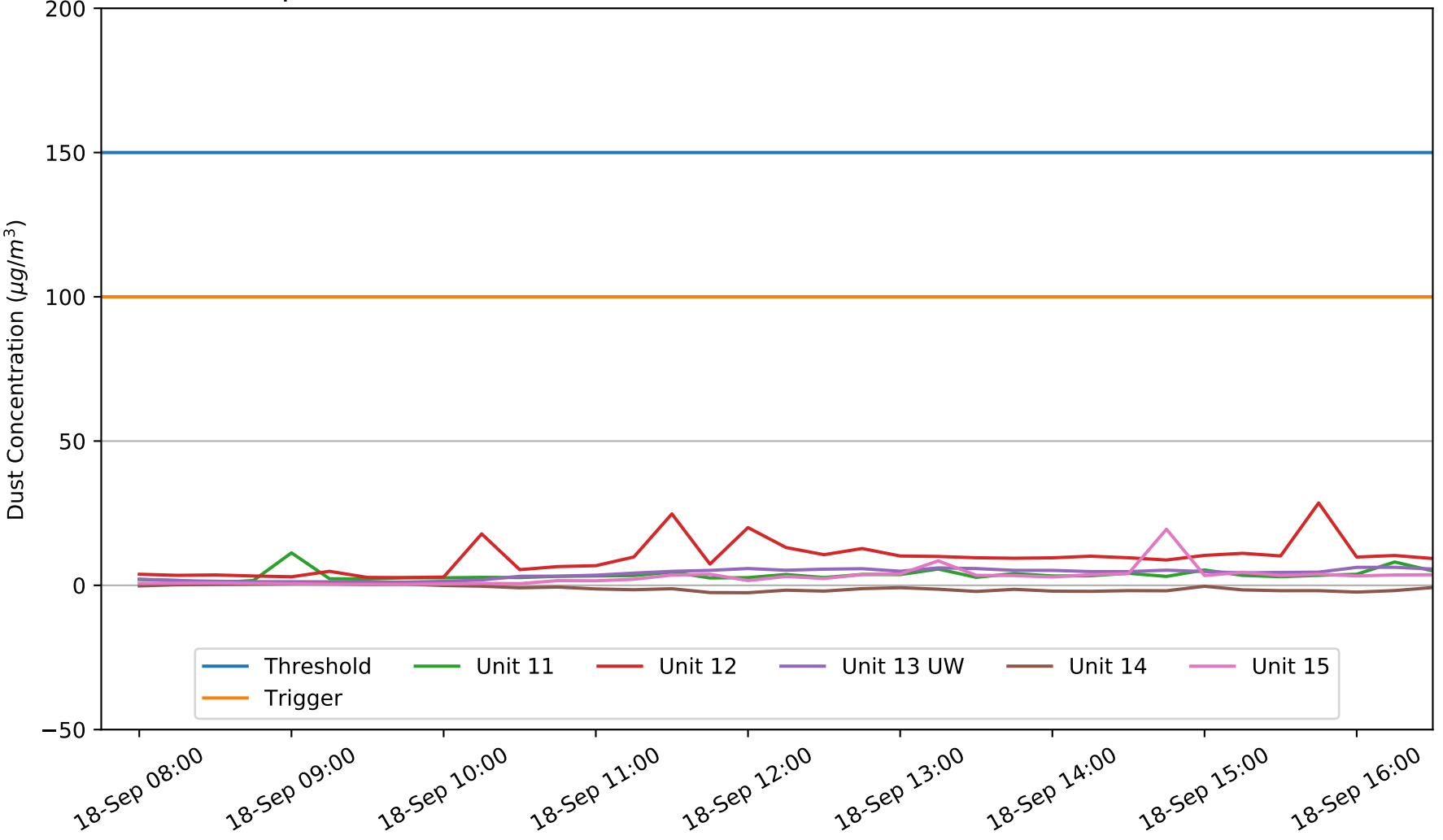


MSA



Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 18-Sep-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Datetime	Unit 12	Unit 15	Unit 11	Unit 14	Unit 13 UW	Threshold	Trigger
2018-09-18 07:45:00						150	100
2018-09-18 08:00:00	3.84	0.66	2.02	-0.21	2.13	150	100
2018-09-18 08:15:00	3.47	0.77	1.73	0.21	1.62	150	100
2018-09-18 08:30:00	3.61	0.82	0.9	0.32	1.42	150	100
2018-09-18 08:45:00	3.24	0.69	1.67	0.41	1.26	150	100
2018-09-18 09:00:00	2.96	0.54	11.26	0.51	1.24	150	100
2018-09-18 09:15:00	4.86	0.43	2.29	0.54	1.22	150	100
2018-09-18 09:30:00	2.73	0.39	2.19	0.31	1.16	150	100
2018-09-18 09:45:00	2.66	0.42	2.65	0.43	1.12	150	100
2018-09-18 10:00:00	2.87	0.47	2.6	-0.06	1.37	150	100
2018-09-18 10:15:00	17.84	0.68	2.76	-0.3	1.86	150	100
2018-09-18 10:30:00	5.43	0.6	2.69	-0.86	3.14	150	100
2018-09-18 10:45:00	6.5	1.63	3.12	-0.61	3.18	150	100
2018-09-18 11:00:00	6.81	1.58	3.25	-1.25	3.52	150	100
2018-09-18 11:15:00	9.83	2.1	3.38	-1.53	4.23	150	100
2018-09-18 11:30:00	24.77	3.55	4.59	-1.17	4.86	150	100
2018-09-18 11:45:00	7.35	3.84	2.55	-2.5	5.18	150	100
2018-09-18 12:00:00	20.02	1.66	2.67	-2.56	5.83	150	100
2018-09-18 12:15:00	13.1	3.07	3.76	-1.68	5.23	150	100
2018-09-18 12:30:00	10.62	2.36	2.7	-2	5.6	150	100
2018-09-18 12:45:00	12.76	3.72	3.79	-1.15	5.77	150	100
2018-09-18 13:00:00	10.17	3.96	3.72	-0.82	4.89	150	100
2018-09-18 13:15:00	10	8.48	5.65	-1.34	6.05	150	100
2018-09-18 13:30:00	9.55	3.47	2.77	-2.12	5.81	150	100
2018-09-18 13:45:00	9.39	3.38	4.09	-1.38	5.19	150	100
2018-09-18 14:00:00	9.53	2.89	3.25	-2.01	5.18	150	100
2018-09-18 14:15:00	10.1	3.7	3.3	-2.08	4.77	150	100
2018-09-18 14:30:00	9.55	4.07	4.17	-1.84	4.75	150	100
2018-09-18 14:45:00	8.78	19.46	3.09	-1.89	5.26	150	100
2018-09-18 15:00:00	10.38	3.39	5.33	-0.33	4.77	150	100
2018-09-18 15:15:00	11.1	4.51	3.44	-1.58	4.31	150	100
2018-09-18 15:30:00	10.19	3.44	2.99	-1.86	4.48	150	100
2018-09-18 15:45:00	28.56	3.88	3.46	-1.85	4.57	150	100
2018-09-18 16:00:00	9.8	3.25	3.83	-2.34	6.23	150	100
2018-09-18 16:15:00	10.34	3.61	8.09	-1.82	6.25	150	100
2018-09-18 16:30:00	9.29	3.67	4.99	-0.76	5.64	150	100

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"Unit ", 0
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"RH CORRECT ", "ENABLED "
"Max Disp ", 295.221348
"Max Disp @ ", 15:39:11 18-Sep-2018
"Max STEL ", 33.606212
"Max STEL @ ", 15:53:03 18-Sep-2018
"Avg point ", 13.460150
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
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2, 5.09, 19.1, 71, 738, 00 , 08:15:03, 18-Sep-2018
3, 5.03, 18.7, 73, 738, 00 , 08:30:03, 18-Sep-2018
4, 4.50, 18.5, 75, 738, 00 , 08:45:03, 18-Sep-2018
5, 4.20, 18.4, 76, 738, 00 , 09:00:03, 18-Sep-2018
6, 6.08, 18.5, 76, 738, 00 , 09:15:03, 18-Sep-2018
7, 3.89, 18.8, 75, 738, 00 , 09:30:03, 18-Sep-2018
8, 3.78, 19.0, 75, 738, 00 , 09:45:03, 18-Sep-2018
9, 4.24, 19.5, 74, 738, 00 , 10:00:03, 18-Sep-2018
10, 19.70, 20.6, 71, 738, 00 , 10:15:03, 18-Sep-2018
11, 8.57, 21.9, 66, 738, 00 , 10:30:03, 18-Sep-2018
12, 9.68, 22.5, 64, 738, 00 , 10:45:03, 18-Sep-2018
13, 10.33, 23.5, 61, 738, 00 , 11:00:03, 18-Sep-2018
14, 14.06, 24.2, 59, 738, 00 , 11:15:03, 18-Sep-2018
15, 29.63, 25.0, 55, 738, 00 , 11:30:03, 18-Sep-2018
16, 12.53, 25.6, 54, 738, 00 , 11:45:03, 18-Sep-2018
17, 25.85, 27.1, 50, 738, 00 , 12:00:03, 18-Sep-2018
18, 18.33, 28.7, 44, 738, 00 , 12:15:03, 18-Sep-2018
19, 16.22, 30.1, 39, 738, 00 , 12:30:03, 18-Sep-2018
20, 18.53, 31.0, 36, 738, 00 , 12:45:03, 18-Sep-2018

21, 15.06, 31.6, 35, 738, 00 , 13:00:03, 18-Sep-2018
22, 16.05, 30.6, 37, 738, 00 , 13:15:03, 18-Sep-2018
23, 15.36, 30.8, 37, 738, 00 , 13:30:03, 18-Sep-2018
24, 14.58, 30.6, 37, 738, 00 , 13:45:03, 18-Sep-2018
25, 14.71, 30.6, 37, 738, 00 , 14:00:03, 18-Sep-2018
26, 14.87, 31.0, 35, 738, 00 , 14:15:03, 18-Sep-2018
27, 14.30, 31.3, 37, 738, 00 , 14:30:03, 18-Sep-2018
28, 14.04, 31.2, 35, 738, 00 , 14:45:03, 18-Sep-2018
29, 15.15, 32.7, 32, 738, 00 , 15:00:03, 18-Sep-2018
30, 15.41, 33.2, 30, 738, 00 , 15:15:03, 18-Sep-2018
31, 14.67, 33.2, 29, 738, 00 , 15:30:03, 18-Sep-2018
32, 33.13, 32.7, 30, 738, 00 , 15:45:03, 18-Sep-2018
33, 16.03, 34.5, 28, 738, 00 , 16:00:03, 18-Sep-2018
34, 16.59, 33.9, 28, 738, 00 , 16:15:03, 18-Sep-2018
35, 14.93, 33.2, 32, 738, 00 , 16:30:03, 18-Sep-2018

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"Unit ", 0
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"RH CORRECT ", "ENABLED "
"Max Disp ", 975.885391
"Max Disp @ ", 07:40:05 18-Sep-2018
"Max STEL ", 96.677685
"Max STEL @ ", 07:45:43 18-Sep-2018
"Avg point ", 9.469301
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
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1, 96.66, 21.3, 80, 734, 00 , 07:45:03, 18-Sep-2018
2, 2.79, 21.2, 80, 734, 00 , 08:00:03, 18-Sep-2018
3, 2.39, 20.9, 82, 734, 00 , 08:15:03, 18-Sep-2018
4, 2.24, 20.6, 84, 734, 00 , 08:30:03, 18-Sep-2018
5, 1.95, 20.4, 85, 734, 00 , 08:45:03, 18-Sep-2018
6, 1.78, 20.3, 86, 734, 00 , 09:00:03, 18-Sep-2018
7, 1.65, 20.4, 87, 734, 00 , 09:15:03, 18-Sep-2018
8, 1.55, 20.7, 86, 734, 00 , 09:30:03, 18-Sep-2018
9, 1.54, 20.9, 85, 734, 00 , 09:45:03, 18-Sep-2018
10, 1.84, 21.4, 83, 734, 00 , 10:00:03, 18-Sep-2018
11, 2.54, 22.1, 82, 734, 00 , 10:15:03, 18-Sep-2018
12, 3.74, 23.1, 79, 734, 00 , 10:30:03, 18-Sep-2018
13, 4.81, 23.6, 76, 734, 00 , 10:45:03, 18-Sep-2018
14, 5.10, 24.2, 75, 734, 00 , 11:00:03, 18-Sep-2018
15, 6.33, 24.7, 73, 734, 00 , 11:15:03, 18-Sep-2018
16, 8.41, 25.3, 70, 734, 00 , 11:30:03, 18-Sep-2018
17, 9.02, 25.7, 68, 734, 00 , 11:45:03, 18-Sep-2018
18, 7.49, 26.5, 67, 734, 00 , 12:00:03, 18-Sep-2018
19, 8.30, 27.1, 64, 734, 00 , 12:15:03, 18-Sep-2018
20, 7.96, 28.0, 60, 734, 00 , 12:30:03, 18-Sep-2018

21, 9.49, 28.9, 56, 734, 00 , 12:45:03, 18-Sep-2018
22, 8.85, 29.6, 52, 734, 00 , 13:00:03, 18-Sep-2018
23, 14.53, 29.6, 52, 734, 00 , 13:15:03, 18-Sep-2018
24, 9.28, 30.5, 51, 734, 00 , 13:30:03, 18-Sep-2018
25, 8.57, 30.7, 50, 734, 00 , 13:45:03, 18-Sep-2018
26, 8.07, 31.3, 49, 734, 00 , 14:00:03, 18-Sep-2018
27, 8.47, 32.2, 45, 734, 00 , 14:15:03, 18-Sep-2018
28, 8.82, 32.7, 46, 734, 00 , 14:30:03, 18-Sep-2018
29, 24.72, 32.8, 44, 734, 00 , 14:45:03, 18-Sep-2018
30, 8.16, 34.3, 41, 734, 00 , 15:00:03, 18-Sep-2018
31, 8.82, 35.1, 38, 734, 00 , 15:15:03, 18-Sep-2018
32, 7.92, 35.1, 37, 734, 00 , 15:30:03, 18-Sep-2018
33, 8.45, 34.9, 39, 734, 00 , 15:45:03, 18-Sep-2018
34, 9.48, 37.0, 35, 732, 00 , 16:00:03, 18-Sep-2018
35, 9.86, 36.5, 35, 732, 00 , 16:15:03, 18-Sep-2018
36, 9.31, 35.7, 40, 732, 00 , 16:30:03, 18-Sep-2018

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"Number ", 35
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"Unit ", 0
"Unit Name ", "ug/m3"
"TEMPUNITS ", C
"RH CORRECT ", "ENABLED "
"Max Disp ", 135.911691
"Max Disp @ ", 08:46:40 18-Sep-2018
"Max STEL ", 14.449403
"Max STEL @ ", 16:16:03 18-Sep-2018
"Avg point ", 7.538240
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 4.15, 20.6, 77, 734, 01 , 08:00:03, 18-Sep-2018
2, 3.35, 20.5, 80, 734, 00 , 08:15:03, 18-Sep-2018
3, 2.32, 20.5, 80, 734, 00 , 08:30:03, 18-Sep-2018
4, 2.93, 20.9, 79, 734, 00 , 08:45:03, 18-Sep-2018
5, 12.50, 21.8, 75, 734, 00 , 09:00:03, 18-Sep-2018
6, 3.51, 22.1, 75, 734, 00 , 09:15:03, 18-Sep-2018
7, 3.35, 22.6, 74, 734, 00 , 09:30:03, 18-Sep-2018
8, 3.77, 23.4, 71, 734, 00 , 09:45:03, 18-Sep-2018
9, 3.97, 24.8, 67, 734, 00 , 10:00:03, 18-Sep-2018
10, 4.62, 27.0, 60, 734, 00 , 10:15:03, 18-Sep-2018
11, 5.83, 28.3, 55, 734, 00 , 10:30:03, 18-Sep-2018
12, 6.30, 28.9, 54, 734, 00 , 10:45:03, 18-Sep-2018
13, 6.77, 30.1, 51, 734, 00 , 11:00:03, 18-Sep-2018
14, 7.61, 31.9, 47, 734, 00 , 11:15:03, 18-Sep-2018
15, 9.45, 32.7, 42, 734, 00 , 11:30:03, 18-Sep-2018
16, 7.73, 31.8, 45, 734, 00 , 11:45:03, 18-Sep-2018
17, 8.50, 31.6, 46, 734, 00 , 12:00:03, 18-Sep-2018
18, 8.99, 32.1, 44, 734, 00 , 12:15:03, 18-Sep-2018
19, 8.30, 31.9, 43, 734, 00 , 12:30:03, 18-Sep-2018
20, 9.56, 31.1, 45, 734, 00 , 12:45:03, 18-Sep-2018

21, 8.61, 30.6, 46, 734, 00 , 13:00:03, 18-Sep-2018
22, 11.70, 30.0, 50, 734, 00 , 13:15:03, 18-Sep-2018
23, 8.58, 31.1, 46, 734, 00 , 13:30:03, 18-Sep-2018
24, 9.28, 31.0, 45, 734, 00 , 13:45:03, 18-Sep-2018
25, 8.43, 31.1, 47, 734, 00 , 14:00:03, 18-Sep-2018
26, 8.07, 31.7, 43, 734, 00 , 14:15:03, 18-Sep-2018
27, 8.92, 30.7, 46, 734, 00 , 14:30:03, 18-Sep-2018
28, 8.35, 30.6, 45, 734, 00 , 14:45:03, 18-Sep-2018
29, 10.10, 30.8, 46, 734, 00 , 15:00:03, 18-Sep-2018
30, 7.75, 31.9, 43, 734, 00 , 15:15:03, 18-Sep-2018
31, 7.47, 32.6, 40, 734, 00 , 15:30:03, 18-Sep-2018
32, 8.03, 32.5, 40, 734, 00 , 15:45:03, 18-Sep-2018
33, 10.06, 32.2, 41, 734, 00 , 16:00:03, 18-Sep-2018
34, 14.34, 32.2, 41, 734, 00 , 16:15:03, 18-Sep-2018
35, 10.63, 30.9, 45, 734, 00 , 16:30:03, 18-Sep-2018

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"RH CORRECT ", "ENABLED "
"Max Disp ", 22.494864
"Max Disp @ ", 14:57:26 18-Sep-2018
"Max STEL ", 4.923155
"Max STEL @ ", 16:01:53 18-Sep-2018
"Avg point ", 2.912113
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 1.92, 19.9, 75, 736, 01 , 08:00:03, 18-Sep-2018
2, 1.83, 19.9, 77, 736, 00 , 08:15:03, 18-Sep-2018
3, 1.74, 20.0, 77, 736, 00 , 08:30:03, 18-Sep-2018
4, 1.67, 20.4, 75, 736, 00 , 08:45:03, 18-Sep-2018
5, 1.75, 21.3, 70, 736, 00 , 09:00:03, 18-Sep-2018
6, 1.76, 21.6, 69, 736, 00 , 09:15:03, 18-Sep-2018
7, 1.47, 22.2, 67, 736, 00 , 09:30:03, 18-Sep-2018
8, 1.55, 23.1, 65, 736, 00 , 09:45:03, 18-Sep-2018
9, 1.31, 24.7, 60, 736, 00 , 10:00:03, 18-Sep-2018
10, 1.56, 27.1, 53, 736, 00 , 10:15:03, 18-Sep-2018
11, 2.28, 28.4, 48, 736, 00 , 10:30:03, 18-Sep-2018
12, 2.57, 28.8, 47, 736, 00 , 10:45:03, 18-Sep-2018
13, 2.27, 30.2, 44, 736, 00 , 11:00:03, 18-Sep-2018
14, 2.70, 31.9, 40, 736, 00 , 11:15:03, 18-Sep-2018
15, 3.69, 32.3, 37, 736, 00 , 11:30:03, 18-Sep-2018
16, 2.68, 31.1, 40, 736, 00 , 11:45:03, 18-Sep-2018
17, 3.27, 30.5, 42, 736, 00 , 12:00:03, 18-Sep-2018
18, 3.55, 30.4, 42, 736, 00 , 12:15:03, 18-Sep-2018
19, 3.60, 29.9, 41, 736, 00 , 12:30:03, 18-Sep-2018
20, 4.62, 29.5, 43, 736, 00 , 12:45:03, 18-Sep-2018

21, 4.07, 29.2, 43, 736, 00 , 13:00:03, 18-Sep-2018
22, 4.71, 28.8, 47, 736, 00 , 13:15:03, 18-Sep-2018
23, 3.69, 30.3, 43, 736, 00 , 13:30:03, 18-Sep-2018
24, 3.81, 30.4, 41, 736, 00 , 13:45:03, 18-Sep-2018
25, 3.17, 31.1, 40, 736, 00 , 14:00:03, 18-Sep-2018
26, 2.69, 31.8, 36, 736, 00 , 14:15:03, 18-Sep-2018
27, 2.91, 30.6, 40, 736, 00 , 14:30:03, 18-Sep-2018
28, 3.37, 30.3, 40, 736, 00 , 14:45:03, 18-Sep-2018
29, 4.44, 30.7, 40, 736, 00 , 15:00:03, 18-Sep-2018
30, 2.73, 32.0, 36, 734, 00 , 15:15:03, 18-Sep-2018
31, 2.62, 32.8, 34, 734, 00 , 15:30:03, 18-Sep-2018
32, 2.72, 32.8, 33, 734, 00 , 15:45:03, 18-Sep-2018
33, 3.89, 32.5, 34, 734, 00 , 16:00:03, 18-Sep-2018
34, 4.43, 32.4, 34, 734, 00 , 16:15:03, 18-Sep-2018
35, 4.88, 30.9, 38, 734, 00 , 16:30:03, 18-Sep-2018

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 07:45:04 18-Sep-2018
"Max STEL ", 6.559960
"Max STEL @ ", 16:05:23 18-Sep-2018
"Avg point ", 3.973577
"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
"Inlet Type " "TOTAL "
"FlowRate ", 1.200000
"Site Name ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 2.13, 20.8, 78, 736, 01 , 08:00:03, 18-Sep-2018
2, 1.62, 20.6, 80, 736, 00 , 08:15:03, 18-Sep-2018
3, 1.42, 20.4, 82, 736, 00 , 08:30:03, 18-Sep-2018
4, 1.26, 20.5, 82, 736, 00 , 08:45:03, 18-Sep-2018
5, 1.24, 20.6, 82, 736, 00 , 09:00:03, 18-Sep-2018
6, 1.22, 21.0, 82, 736, 00 , 09:15:03, 18-Sep-2018
7, 1.16, 21.6, 80, 736, 00 , 09:30:03, 18-Sep-2018
8, 1.12, 22.1, 78, 736, 00 , 09:45:03, 18-Sep-2018
9, 1.37, 23.2, 74, 736, 00 , 10:00:03, 18-Sep-2018
10, 1.86, 24.4, 71, 736, 00 , 10:15:03, 18-Sep-2018
11, 3.14, 26.0, 67, 736, 00 , 10:30:03, 18-Sep-2018
12, 3.18, 26.9, 63, 736, 00 , 10:45:03, 18-Sep-2018
13, 3.52, 28.8, 59, 734, 00 , 11:00:03, 18-Sep-2018
14, 4.23, 30.3, 55, 734, 00 , 11:15:03, 18-Sep-2018
15, 4.86, 30.4, 52, 734, 00 , 11:30:03, 18-Sep-2018
16, 5.18, 29.4, 55, 734, 00 , 11:45:03, 18-Sep-2018
17, 5.83, 29.4, 55, 734, 00 , 12:00:03, 18-Sep-2018
18, 5.23, 29.3, 55, 734, 00 , 12:15:03, 18-Sep-2018
19, 5.60, 30.4, 52, 734, 00 , 12:30:03, 18-Sep-2018
20, 5.77, 30.2, 51, 734, 00 , 12:45:03, 18-Sep-2018

21, 4.89, 30.4, 51, 734, 00 , 13:00:03, 18-Sep-2018
22, 6.05, 30.3, 53, 734, 00 , 13:15:03, 18-Sep-2018
23, 5.81, 31.7, 47, 734, 00 , 13:30:03, 18-Sep-2018
24, 5.19, 31.5, 47, 734, 00 , 13:45:03, 18-Sep-2018
25, 5.18, 31.4, 48, 734, 00 , 14:00:03, 18-Sep-2018
26, 4.77, 31.7, 45, 734, 00 , 14:15:03, 18-Sep-2018
27, 4.75, 31.7, 47, 734, 00 , 14:30:03, 18-Sep-2018
28, 5.26, 31.4, 46, 734, 00 , 14:45:03, 18-Sep-2018
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30, 4.31, 31.9, 44, 734, 00 , 15:15:03, 18-Sep-2018
31, 4.48, 31.7, 44, 734, 00 , 15:30:03, 18-Sep-2018
32, 4.57, 31.6, 44, 734, 00 , 15:45:03, 18-Sep-2018
33, 6.23, 32.2, 44, 734, 00 , 16:00:03, 18-Sep-2018
34, 6.25, 32.0, 44, 734, 00 , 16:15:03, 18-Sep-2018
35, 5.64, 31.4, 49, 734, 00 , 16:30:03, 18-Sep-2018

DAILY OBSERVATION REPORT

Report No.:	94	Project File:	MN0832D	Date:	09/19/2018

Geosyntec consultants | Beech and Bonaparte engineering p.c.

engineers | scientists | innovators — an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Ashwin Ranna

Site Representative: Ashwin Ranna

Arrive at Site: 0700hrs. Leave Site: 1700hrs.

Contractor: Recon

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Cloudy	Am	Sunny	Pm
Temperature:	51° F	Am	80° F	Pm
Wind Direction:	7 NE	Am	9 NE	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 94 Project File: MN0832D Date: 09/19/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 543

Weight: ~24 tons/each Total Weight to date: ~12951 Tons (Based on facility weight tickets)

Non Haz Soil Removal:

Total Loads today: 21 Total Loads to date: 615

Weight: 20-33 tons/each Total Weight to date: ~14350Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 6

Weight: Tons Total Weight to date: 205 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1110

Weight: ~21 Tons/each Total Weight to date: ~22628Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

DAILY OBSERVATION REPORT

Report No.:	94	Project File:	MN0832D	Date:	09/19/2018

Summary of Events

AM

- Geosyntec arrived on site at 0700. Calibrated and configured dust monitors. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed work plan for the day. Recon planned to ship out Non Haz material from the MSA.
- Geosyntec deployed dust monitors and signed manifests for Non Haz materials.
- Recon continued housekeeping activities around the site. Water truck was run continuously till the end of day.
- Recon continued demobilizing equipment from site and removed Sheet pile from the site. Recon is preparing to move trailers offsite. Additional equipment was also demobilized. Two trailers were moved to the MSA.
- Concrete blocks from the MSA were sent offsite.

PM

- 21 trucks of non-hazardous material were loaded for offsite shipment.
- Orange Snow fencing was placed around the grass behind the mulch beds.
- AR met with Welliver and identified soft spots in the parking lot.
- Recon spread hay on top of the reseeded area near the mulch beds.
- Recon covered piles in the MSA at the end of the day. Geosyntec collected dust monitors and analyzed the data.
- Geosyntec collected the monitors, downloaded data and shut down and left site around 1700.

DAILY OBSERVATION REPORT

Report No.:	94	Project File:	MN0832D	Date:	09/19/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Brien Kilkenny
- Bryan Balog
- Addison Hofferth
- Rich Tonnucour
- (Recon labor) X6

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX2
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date (RPL Turnover to ECSD): 8/29/18
Completion Date (MSA Turnover to STCC): TBD

ITEMS OF CONCERN:

Site Representative: Ashwin Ranna

Name (Signature):



Report No.:	94	Project File:	MN0832D	Date:	09/19/2018

Photo Log
Date : 09/18/2018

	
Concrete Blocks being loaded offsite	Decon of equipment at the MSA
	
Orange snow fence around the Grass area	Stockpile covered at end of the day.

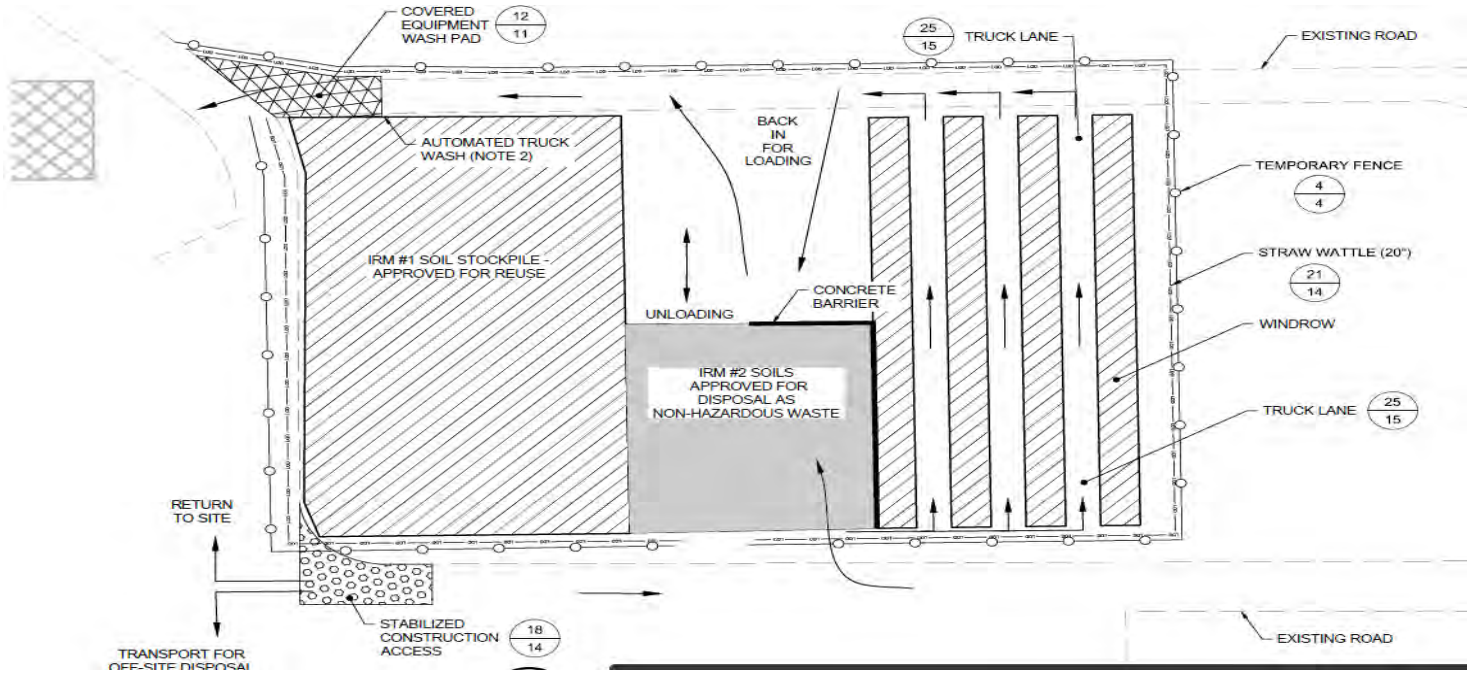
Report No.: 94 Project File: MN0832D Date: 09/19/2018

Site Map

Rear Parking Lot

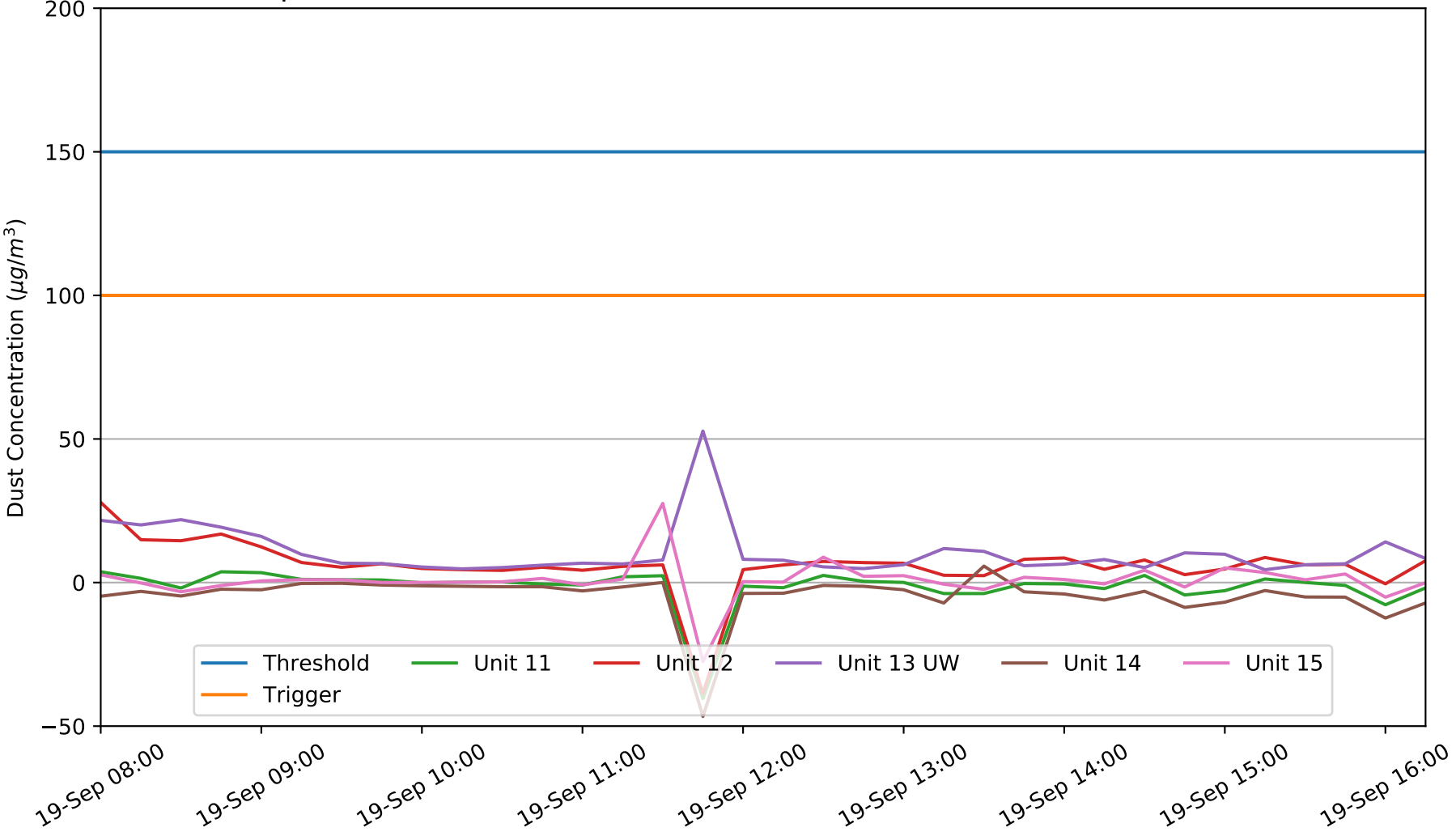


MSA



Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 19-Sep-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 19-Sep-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 14	Unit 11	Unit 12	Unit 15	Unit 13 UW	Threshold	Trigger
2018-09-19 08:00:00	-4.76	3.74	27.89	2.7	21.65	150	100
2018-09-19 08:15:00	-3.08	1.45	14.91	-0.15	20.07	150	100
2018-09-19 08:30:00	-4.69	-1.91	14.56	-3.21	21.9	150	100
2018-09-19 08:45:00	-2.32	3.75	16.89	-1.04	19.27	150	100
2018-09-19 09:00:00	-2.52	3.44	12.41	0.56	16.07	150	100
2018-09-19 09:15:00	-0.32	1.11	6.98	1	9.8	150	100
2018-09-19 09:30:00	-0.27	0.98	5.32	0.98	6.73	150	100
2018-09-19 09:45:00	-0.87	0.89	6.54	0.02	6.6	150	100
2018-09-19 10:00:00	-1.14	-0.08	4.9	0.04	5.42	150	100
2018-09-19 10:15:00	-1.3	0.12	4.47	0.11	4.76	150	100
2018-09-19 10:30:00	-1.46	0.2	4.23	0.26	5.23	150	100
2018-09-19 10:45:00	-1.46	-0.53	5.33	1.43	6.05	150	100
2018-09-19 11:00:00	-2.91	-0.86	4.28	-0.82	6.75	150	100
2018-09-19 11:15:00	-1.53	2	5.63	1.21	6.47	150	100
2018-09-19 11:30:00	0.02	2.38	6.14	27.56	7.85	150	100
2018-09-19 11:45:00	-46.64	-40.41	-38.63	-27.52	52.76	150	100
2018-09-19 12:00:00	-3.79	-1.27	4.49	0.31	8.09	150	100
2018-09-19 12:15:00	-3.73	-1.79	6.11	0.14	7.77	150	100
2018-09-19 12:30:00	-1	2.48	7.35	8.84	5.46	150	100
2018-09-19 12:45:00	-1.3	0.41	6.95	2.17	4.86	150	100
2018-09-19 13:00:00	-2.51	0.04	6.72	2.4	6.2	150	100
2018-09-19 13:15:00	-7.13	-3.83	2.53	-0.57	11.84	150	100
2018-09-19 13:30:00	5.73	-3.83	2.41	-2.37	10.85	150	100
2018-09-19 13:45:00	-3.22	-0.35	8.1	1.82	5.86	150	100
2018-09-19 14:00:00	-3.99	-0.5	8.56	1.06	6.4	150	100
2018-09-19 14:15:00	-6.08	-2.11	4.61	-0.47	8.02	150	100
2018-09-19 14:30:00	-3.04	2.48	7.85	4.31	5.2	150	100
2018-09-19 14:45:00	-8.66	-4.33	2.75	-1.56	10.33	150	100
2018-09-19 15:00:00	-6.85	-2.84	4.73	5.11	9.85	150	100
2018-09-19 15:15:00	-2.78	1.24	8.73	3.48	4.46	150	100
2018-09-19 15:30:00	-5.03	0.03	6.16	0.95	6.18	150	100
2018-09-19 15:45:00	-5.08	-1.01	6.36	2.98	6.53	150	100
2018-09-19 16:00:00	-12.37	-7.74	-0.45	-5.1	14.15	150	100
2018-09-19 16:15:00	-7.11	-1.87	7.61	-0.06	8.38	150	100

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"Errors   ", 0000
"Inlet Type " "TOTAL   "
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3, 17.21, 17.9, 78, 740, 00 , 08:30:03, 19-Sep-2018
4, 16.95, 17.7, 80, 740, 00 , 08:45:03, 19-Sep-2018
5, 13.55, 17.5, 80, 740, 00 , 09:00:03, 19-Sep-2018
6, 9.48, 17.1, 81, 740, 00 , 09:15:03, 19-Sep-2018
7, 6.46, 17.0, 81, 740, 03 , 09:30:03, 19-Sep-2018
8, 5.73, 17.0, 77, 740, 00 , 09:45:03, 19-Sep-2018
9, 4.28, 17.0, 76, 740, 00 , 10:00:03, 19-Sep-2018
10, 3.46, 17.4, 72, 740, 00 , 10:15:03, 19-Sep-2018
11, 3.77, 17.9, 68, 740, 00 , 10:30:03, 19-Sep-2018
12, 4.59, 18.6, 66, 740, 00 , 10:45:03, 19-Sep-2018
13, 3.84, 19.1, 63, 740, 00 , 11:00:03, 19-Sep-2018
14, 4.94, 19.6, 60, 740, 00 , 11:15:03, 19-Sep-2018
15, 7.87, 19.9, 58, 740, 00 , 11:30:03, 19-Sep-2018
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17, 4.30, 20.8, 54, 740, 00 , 12:00:03, 19-Sep-2018
18, 4.04, 21.7, 50, 740, 00 , 12:15:03, 19-Sep-2018
19, 4.46, 22.0, 48, 740, 00 , 12:30:03, 19-Sep-2018
20, 3.56, 22.9, 45, 740, 00 , 12:45:03, 19-Sep-2018
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27, 2.16, 31.7, 25, 740, 00 , 14:30:03, 19-Sep-2018
28, 1.67, 32.4, 23, 740, 00 , 14:45:03, 19-Sep-2018
29, 3.00, 32.1, 24, 740, 00 , 15:00:03, 19-Sep-2018
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31, 1.15, 33.0, 23, 740, 00 , 15:30:03, 19-Sep-2018
32, 1.45, 32.9, 24, 740, 00 , 15:45:03, 19-Sep-2018
33, 1.78, 33.6, 23, 740, 00 , 16:00:03, 19-Sep-2018
34, 1.27, 34.0, 22, 740, 00 , 16:15:03, 19-Sep-2018

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"Start Date ", 19-Sep-2018
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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 11:33:40 19-Sep-2018
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"Max STEL @ ", 08:00:23 19-Sep-2018
"Avg point ", 9.096651
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
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"Site Name   ", "Factory default"
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2, 21.52, 18.9, 78, 738, 00 , 08:15:03, 19-Sep-2018
3, 19.99, 18.7, 80, 738, 00 , 08:30:03, 19-Sep-2018
4, 23.02, 18.6, 81, 738, 00 , 08:45:03, 19-Sep-2018
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6, 10.91, 18.1, 84, 738, 00 , 09:15:03, 19-Sep-2018
7, 7.71, 17.9, 85, 738, 00 , 09:30:03, 19-Sep-2018
8, 7.49, 17.8, 82, 738, 00 , 09:45:03, 19-Sep-2018
9, 5.34, 17.6, 80, 738, 00 , 10:00:03, 19-Sep-2018
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13, 5.89, 20.8, 64, 740, 00 , 11:00:03, 19-Sep-2018
14, 8.47, 21.9, 62, 740, 00 , 11:15:03, 19-Sep-2018
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19, 7.94, 25.2, 47, 738, 00 , 12:30:03, 19-Sep-2018
20, 5.27, 25.1, 45, 738, 00 , 12:45:03, 19-Sep-2018
21, 6.24, 24.7, 46, 738, 00 , 13:00:03, 19-Sep-2018
22, 8.01, 24.6, 47, 738, 00 , 13:15:03, 19-Sep-2018
23, 7.02, 24.7, 47, 738, 00 , 13:30:03, 19-Sep-2018
24, 5.51, 24.9, 46, 738, 00 , 13:45:03, 19-Sep-2018
25, 5.90, 25.0, 46, 738, 00 , 14:00:03, 19-Sep-2018
26, 5.91, 24.7, 46, 738, 00 , 14:15:03, 19-Sep-2018
27, 7.68, 24.4, 48, 738, 00 , 14:30:03, 19-Sep-2018
28, 6.00, 24.6, 47, 738, 00 , 14:45:03, 19-Sep-2018
29, 7.01, 25.0, 46, 738, 00 , 15:00:03, 19-Sep-2018
30, 5.70, 24.8, 47, 738, 00 , 15:15:03, 19-Sep-2018
31, 6.21, 24.2, 49, 738, 00 , 15:30:03, 19-Sep-2018
32, 5.52, 23.4, 51, 738, 00 , 15:45:03, 19-Sep-2018
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"Max Disp   ", 149.280930
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"Max STEL @ ", 08:00:13 19-Sep-2018
"Avg point ", 16.507063
"ALARM   ", "INSTANT "
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"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
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2, 34.98, 18.0, 69, 740, 00 , 08:15:03, 19-Sep-2018
3, 36.46, 17.6, 72, 740, 00 , 08:30:03, 19-Sep-2018
4, 36.16, 17.3, 75, 740, 00 , 08:45:03, 19-Sep-2018
5, 28.48, 16.9, 77, 740, 00 , 09:00:03, 19-Sep-2018
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7, 12.05, 16.2, 79, 740, 00 , 09:30:03, 19-Sep-2018
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31, 12.34, 23.0, 43, 742, 00 , 15:30:03, 19-Sep-2018
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33, 13.70, 22.7, 44, 742, 00 , 16:00:03, 19-Sep-2018
34, 15.99, 22.5, 45, 742, 00 , 16:15:03, 19-Sep-2018

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"Max STEL   ", 45.511518
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"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
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5, 16.63, 19.2, 83, 738, 00 , 09:00:03, 19-Sep-2018
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7, 7.71, 18.4, 84, 738, 01 , 09:30:03, 19-Sep-2018
8, 6.62, 18.4, 83, 738, 00 , 09:45:03, 19-Sep-2018
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DAILY OBSERVATION REPORT

Report No.:	95	Project File:	MN0832D	Date:	09/20/2018

Geosyntec consultants
engineers | scientists | innovators

Beech and Bonaparte engineering p.c.
an affiliate of Geosyntec Consultants

PM: Aron Krasnopoler

CQA Representative: Sarah Mitcheltree

Site Representative: Sarah Mitcheltree

Contractor: Recon

Health & Safety: Sarah Mitcheltree

Site Location: Former Sperry Remington Site N

Arrive at Site: 0645hrs. Leave Site: 1630hrs.

Weather and Site Conditions

General Description:	Cloudy	Am	Partly sunny	Pm
Temperature:	59° F	Am	73° F	Pm
Wind Direction:	Calm	Am	4 S	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 95 Project File: MN0832D Date: 09/20/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 543

Weight: ~20 tons/each Total Weight to date: ~12951 Tons (Based on facility weight tickets)

Non Haz Soil Removal:

Total Loads today: 32 Total Loads to date: 841

Weight: 20-33 tons/each Total Weight to date: ~15,1910Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 6

Weight: Tons Total Weight to date: 205 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1110

Weight: ~21 Tons/each Total Weight to date: ~22628Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	95	Project File:	MN0832D	Date:	09/20/2018

Summary of Events

AM

- Geosyntec arrived on site at 0645. Calibrated and configured dust monitors. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed work plan for the day. Recon planned to ship out Non Haz material from the MSA and get the chain link fence set up.
- Geosyntec deployed dust monitors and signed manifests for Non Haz materials.
- Recon continued housekeeping activities around the site. Water truck was run when needed throughout the day.
- Geosyntec discussed sod activities with Recon throughout the morning.

PM

- 32 trucks of non-hazardous material were loaded for offsite shipment.
- Chain link fence was set up along the property line with STCC.
- Geosyntec continued discussion with Recon about sod activities.
- Geosyntec was informed that the ECSD superintendent does not want any work to take place on school property Friday September 21st during school hours.
- Geosyntec discussed this with Recon, possible Friday afternoon, Saturday and Sunday sod work is continuing to be discussed.
- Geosyntec will mark out the area of sod to be excavated.
- Geosyntec collected the monitors, left site at 1630 and downloaded data.

DAILY OBSERVATION REPORT

Report No.:	95	Project File:	MN0832D	Date:	09/20/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Addison Hofferth
- Rich Tonnucour
- (Recon labor) X4

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX2
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date (RPL Turnover to ECSD): 8/29/18
Completion Date (MSA Turnover to STCC): TBD

ITEMS OF CONCERN:

Site Representative: Sarah Mitcheltree

Name (Signature):

Sarah Mitcheltree

Report No.: 95 Project File: MN0832D Date: 09/20/2018

Photo Log
Date : 09/20/2018



Non-Haz Waste being loaded



Decon of equipment at the MSA



New chain link fence



Stockpile covered at end of the day.

DAILY OBSERVATION REPORT

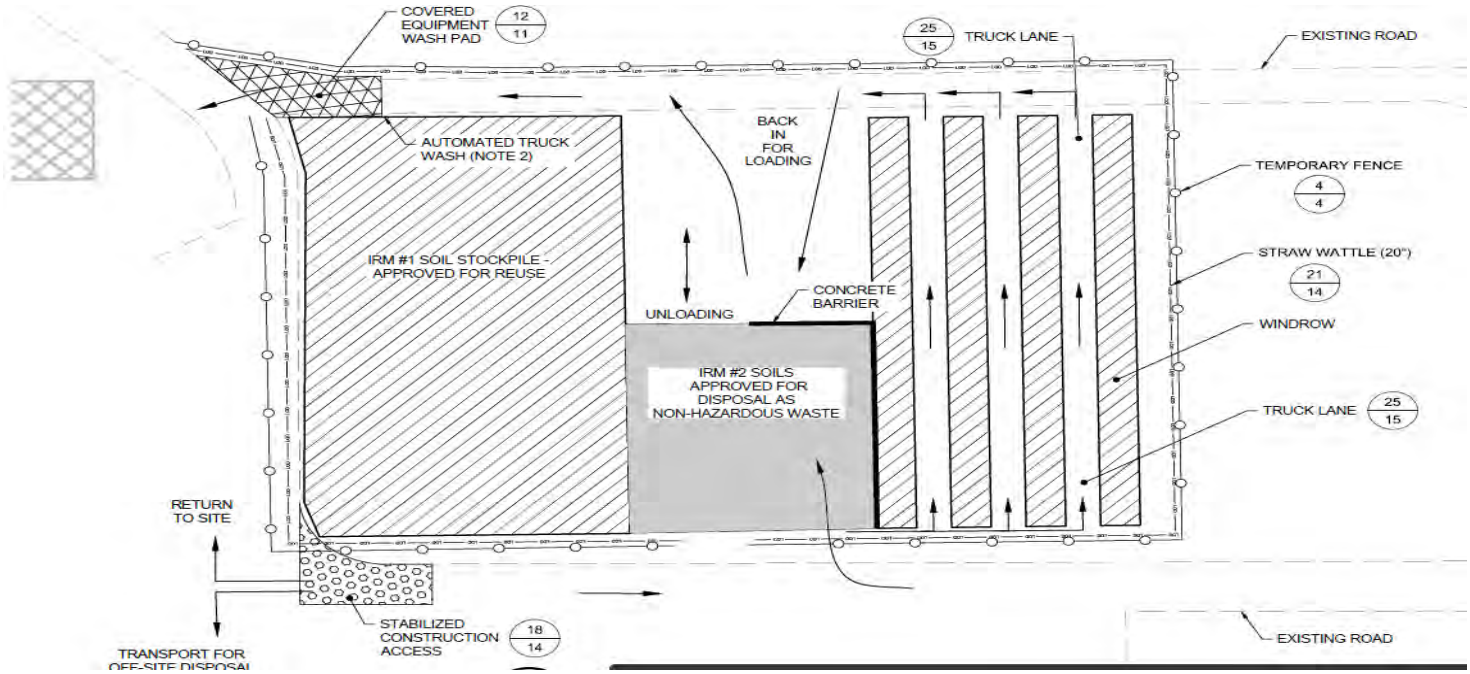
Report No.:	95	Project File:	MN0832D	Date:	09/20/2018

Site Map

Rear Parking Lot

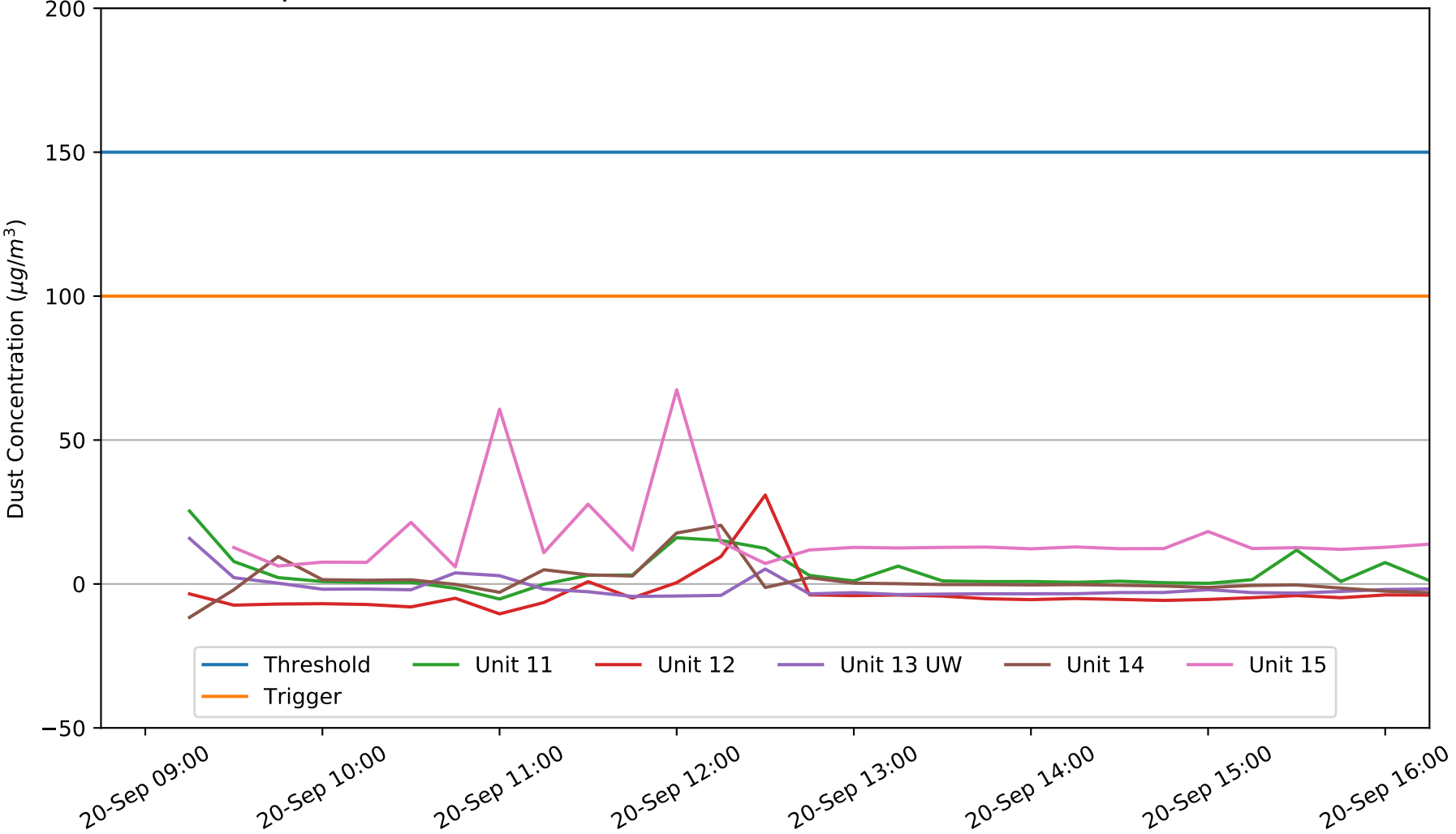


MSA



Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 20-Sep-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 20-Sep-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 12	Unit 14	Unit 15	Unit 11	Unit 13 UW	Threshold	Trigger
2018-09-20 08:45:00						150	100
2018-09-20 09:00:00						150	100
2018-09-20 09:15:00	-3.45	-11.61		25.34	15.82	150	100
2018-09-20 09:30:00	-7.36	-2	12.65	7.8	2.2	150	100
2018-09-20 09:45:00	-6.97	9.54	6.23	2.21	0.28	150	100
2018-09-20 10:00:00	-6.85	1.49	7.58	0.86	-1.82	150	100
2018-09-20 10:15:00	-7.12	1.3	7.51	0.56	-1.76	150	100
2018-09-20 10:30:00	-7.97	1.44	21.41	0.56	-2.01	150	100
2018-09-20 10:45:00	-4.96	-0.14	5.95	-1.49	3.86	150	100
2018-09-20 11:00:00	-10.38	-2.89	60.72	-5.23	2.88	150	100
2018-09-20 11:15:00	-6.45	4.94	10.85	-0.08	-1.8	150	100
2018-09-20 11:30:00	0.8	3.17	27.72	3.01	-2.7	150	100
2018-09-20 11:45:00	-4.87	2.77	11.78	3.11	-4.32	150	100
2018-09-20 12:00:00	0.47	17.72	67.48	16.06	-4.18	150	100
2018-09-20 12:15:00	9.52	20.37	14.51	15.12	-3.96	150	100
2018-09-20 12:30:00	30.91	-1.23	7.12	12.37	5.19	150	100
2018-09-20 12:45:00	-3.78	2.18	11.82	2.96	-3.44	150	100
2018-09-20 13:00:00	-4.05	0.29	12.71	1.05	-3.01	150	100
2018-09-20 13:15:00	-3.84	0.1	12.5	6.2	-3.67	150	100
2018-09-20 13:30:00	-4.21	-0.19	12.71	1.07	-3.52	150	100
2018-09-20 13:45:00	-5.13	-0.21	12.82	0.82	-3.4	150	100
2018-09-20 14:00:00	-5.44	-0.32	12.22	0.86	-3.41	150	100
2018-09-20 14:15:00	-5.05	-0.23	12.87	0.58	-3.38	150	100
2018-09-20 14:30:00	-5.36	-0.43	12.26	0.98	-2.98	150	100
2018-09-20 14:45:00	-5.71	-0.7	12.3	0.44	-2.95	150	100
2018-09-20 15:00:00	-5.38	-1.21	18.23	0.22	-1.97	150	100
2018-09-20 15:15:00	-4.76	-0.51	12.31	1.5	-3	150	100
2018-09-20 15:30:00	-4.02	-0.33	12.63	11.79	-3.17	150	100
2018-09-20 15:45:00	-4.77	-1.42	12.03	0.86	-2.59	150	100
2018-09-20 16:00:00	-3.8	-2.5	12.75	7.45	-1.92	150	100
2018-09-20 16:15:00	-3.87	-3.04	13.83	1.15	-1.74	150	100

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26, -3.17, 26.8, 50, 742, 00 , 15:30:03, 20-Sep-2018
27, -2.59, 27.3, 50, 742, 00 , 15:45:03, 20-Sep-2018
28, -1.92, 27.9, 48, 742, 00 , 16:00:03, 20-Sep-2018
29, -1.74, 28.8, 45, 742, 00 , 16:15:03, 20-Sep-2018

DAILY OBSERVATION REPORT

Report No.:	96	Project File:	MN0832D	Date:	09/21/2018

Geosyntec consultants

engineers | scientists | innovators

Beech and Bonaparte engineering p.c.

an affiliate of Geosyntec Consultants

PM: Aron Krasnopoler

CQA Representative: Sarah Mitcheltree

Site Representative: Sarah Mitcheltree

Contractor: Recon

Health & Safety: Sarah Mitcheltree

Site Location: Former Sperry Remington Site N

Arrive at Site: 0650hrs. Leave Site: 1912hrs.

Weather and Site Conditions

General Description:	Cloudy	Am	Cloudy	Pm
Temperature:	53° F	Am	75° F	Pm
Wind Direction:	10 S	Am	10 S	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 96 Project File: MN0832D Date: 09/21/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 543

Weight: ~20 tons/each Total Weight to date: 13008 Tons (Based on facility weight tickets)

Non Haz Soil Removal:

Total Loads today: 14 Total Loads to date: 661

Weight: 20-33 tons/each Total Weight to date: ~152158Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 6

Weight: Tons Total Weight to date: 205 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1110

Weight: ~21 Tons/each Total Weight to date: ~22628Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	96	Project File:	MN0832D	Date:	09/21/2018

Summary of Events

AM

- Geosyntec arrived on site at 0650. Calibrated and configured dust monitors. Attended Recon safety meeting and held Geosyntec safety meeting. Reviewed work plan for the day. Recon planned to ship out the rest of the Non Haz material from the MSA, sheet pilling is expected to be picked up, sod is expected to be delivered. Recon will start the sod removal near the high school after school lets out for the day.
- Geosyntec deployed dust monitors and signed manifests for Non Haz materials.
- Recon continued housekeeping activities around the site. Water truck was run when needed throughout the day.
- Addison Hofferth left the site to travel home.

PM

- 14 trucks of non-hazardous material were loaded for offsite shipment.
- Sod was dropped off and staged in the mulch.
- Staging area in the MSA was prepped for the sod that is removed to be staged.
- Recon cleaned out the remaining job trailer near the faculty parking lot.
- Sheet pilling was picked up and hauled offsite.
- Scott with the DEC briefly stopped by to check in on the site.
- Geosyntec marked out wells in the sod removal area with yellow pin flagging.
- Recon prepped the sod area, placed plastic sheet, sand bags, water truck, brooms and shovels.
- Geosyntec deployed dust monitors in the sod removal area.
- Recon covered the wheels of the dump truck with plastic, brushed the truck off and the driver put down the tarp before each load left the area.
- In between each load, Recon swept the plastic to ensure any lose material stayed in place.
- Recon removed sod as close as possible (within reason) to the fence and mulch line.
- Recon hauled four loads of sod material to the MSA at approximately 80 tons.
- Recon loaded the bulldozer onto a low boy, dry deconed the bulldozer and low boy so no loose soil would fall off during transport to the MSA. The equipment was brought to the MSA and sprayed down.
- Recon covered the sod waste with plastic at the end of the day.
- Geosyntec collected the monitors, left site at 1912 and downloaded data.

DAILY OBSERVATION REPORT

Report No.:	96	Project File:	MN0832D	Date:	09/21/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Rich Tonnucour
- (Recon labor) X4

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX2
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone

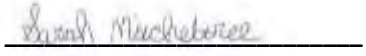
PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: 8/24/18

ITEMS OF CONCERN:

Site Representative: Sarah Mitcheltree

Name (Signature):



Report No.: 96 Project File: MN0832D Date: 09/21/2018

Photo Log
Date : 09/21/2018

	
Sheet Pilling being loaded	New sod
	
Recon prepping the MSA	Sod removal work

Report No.: 96 Project File: MN0832D Date: 09/21/2018



Recon finishing deconing a truck and removing plastic



Dump truck with tarp down



Sod removal area



Dirt from the sod drop off

Report No.: 96 Project File: MN0832D Date: 09/21/2018



Bulldozer being loaded



Sod area after removal was finished



Area along the fence line left in place



Stockpile covered at end of the day

Report No.:	96	Project File:	MN0832D	Date:	09/21/2018

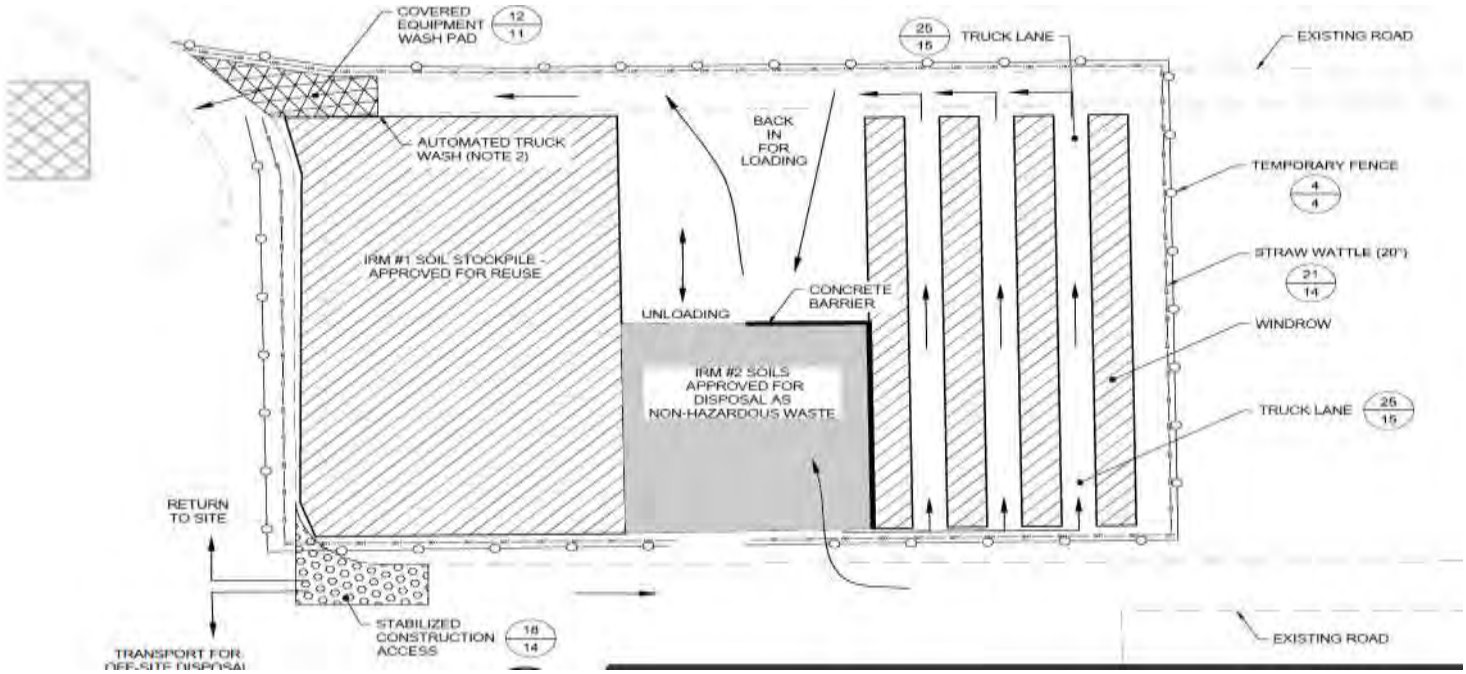
Site Map

Rear Parking Lot



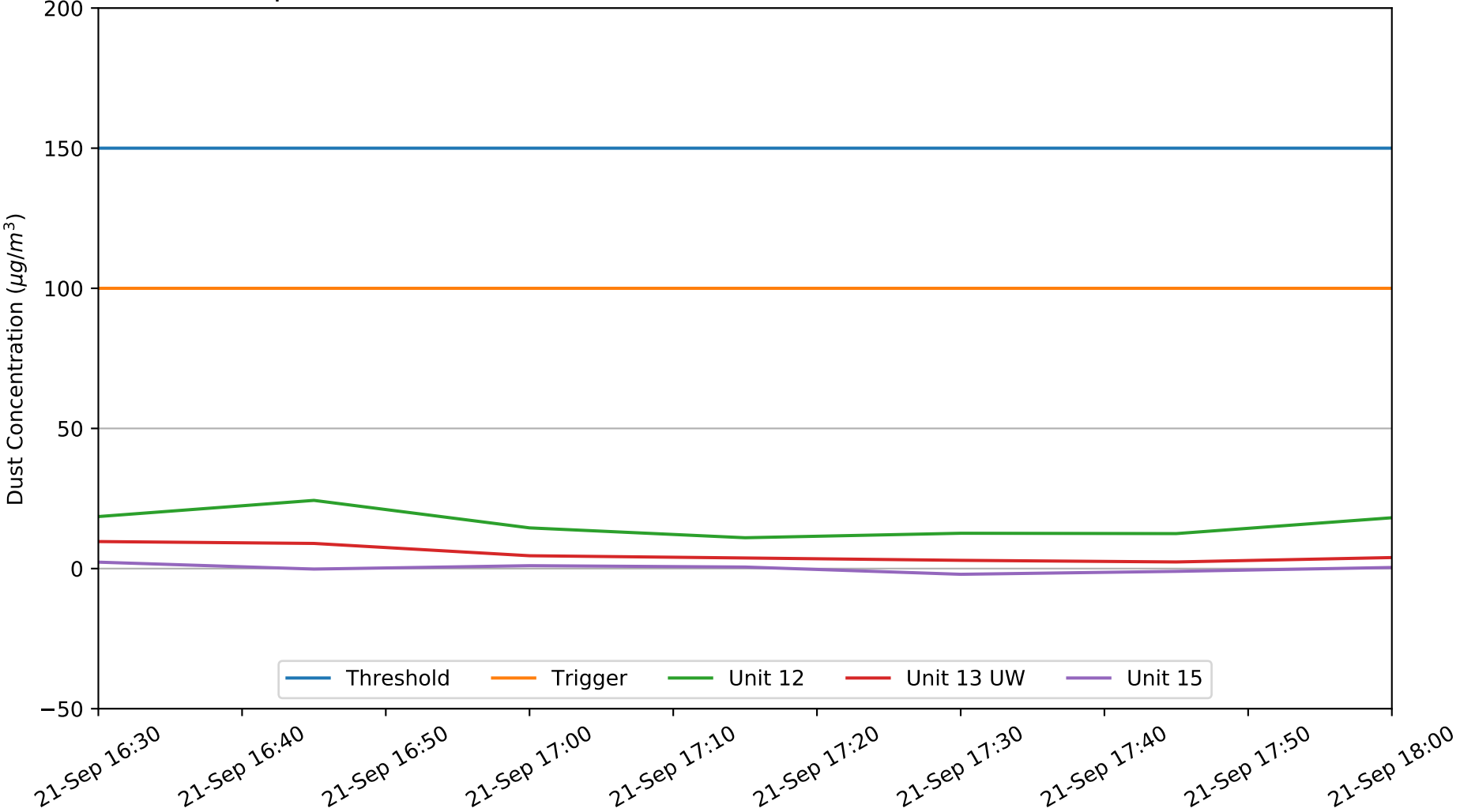
MSA

N



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 21-Sep-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 21-Sep-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 13 UW	Unit 12	Unit 15	Threshold	Trigger
2018-09-21 16:30:00	9.64	18.56	2.29	150	100
2018-09-21 16:45:00	8.97	24.33	-0.18	150	100
2018-09-21 17:00:00	4.58	14.52	1.03	150	100
2018-09-21 17:15:00	3.78	11	0.55	150	100
2018-09-21 17:30:00	2.94	12.6	-2.04	150	100
2018-09-21 17:45:00	2.36	12.48	-0.99	150	100
2018-09-21 18:00:00	3.93	18.13	0.39	150	100

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"Tag Number ", 19
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"Start Date ", 21-Sep-2018
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"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 22.905171
"Max Disp @ ", 16:16:29 21-Sep-2018
"Max STEL   ", 9.643091
"Max STEL @ ", 16:30:03 21-Sep-2018
"Avg point ", 5.172176
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
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"FlowRate   ", 1.200000
"Site Name   ", "Factory default"

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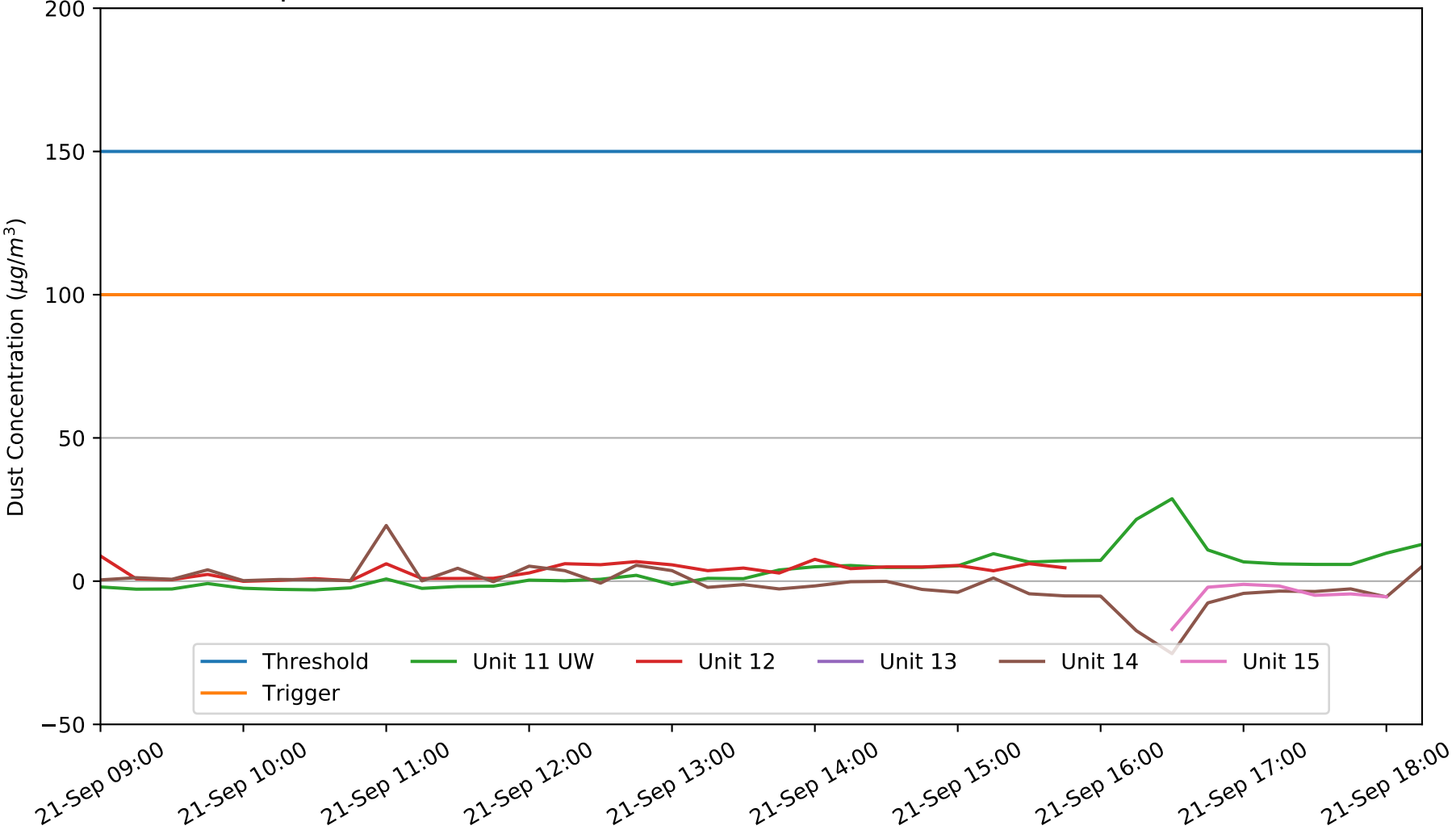
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3,	4.58,	19.9,	74,	738, 00 ,	17:00:03,	21-Sep-2018
4,	3.78,	19.8,	75,	738, 00 ,	17:15:03,	21-Sep-2018
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"Max Disp   ", 71.169953
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"Max STEL   ", 33.945947
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3, 19.10, 22.6, 57, 738, 00 , 17:00:03, 21-Sep-2018
4, 14.78, 22.2, 59, 738, 00 , 17:15:03, 21-Sep-2018
5, 15.54, 22.0, 60, 738, 00 , 17:30:03, 21-Sep-2018
6, 14.84, 21.8, 61, 738, 00 , 17:45:03, 21-Sep-2018
7, 22.06, 21.4, 62, 738, 00 , 18:00:03, 21-Sep-2018

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"RH CORRECT ", "ENABLED "
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"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
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2, 8.79, 25.8, 62, 736, 00 , 16:45:03, 21-Sep-2018
3, 5.61, 24.7, 66, 736, 00 , 17:00:03, 21-Sep-2018
4, 4.33, 24.0, 69, 736, 00 , 17:15:03, 21-Sep-2018
5, 0.90, 23.6, 71, 736, 00 , 17:30:03, 21-Sep-2018
6, 1.37, 23.3, 72, 736, 00 , 17:45:03, 21-Sep-2018
7, 4.32, 23.0, 74, 736, 00 , 18:00:03, 21-Sep-2018

Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 21-Sep-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 21-Sep-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 12	Unit 11 UW	Unit 15	Unit 14	Unit 13	Threshold	Trigger
2018-09-21 09:00:00	8.79	-2.02		0.44		150	100
2018-09-21 09:15:00	0.82	-2.8		1.21		150	100
2018-09-21 09:30:00	0.52	-2.74		0.64		150	100
2018-09-21 09:45:00	2.36	-0.84		3.96		150	100
2018-09-21 10:00:00	-0.06	-2.47		0.17		150	100
2018-09-21 10:15:00	0.28	-2.87		0.58		150	100
2018-09-21 10:30:00	0.89	-3.03		0.48		150	100
2018-09-21 10:45:00	0.14	-2.34		0.2		150	100
2018-09-21 11:00:00	6.07	0.76		19.44		150	100
2018-09-21 11:15:00	0.91	-2.52		0.09		150	100
2018-09-21 11:30:00	0.94	-1.86		4.5		150	100
2018-09-21 11:45:00	0.99	-1.75		-0.21		150	100
2018-09-21 12:00:00	2.87	0.36		5.23		150	100
2018-09-21 12:15:00	6.09	0.14		3.67		150	100
2018-09-21 12:30:00	5.74	0.65		-0.7		150	100
2018-09-21 12:45:00	6.82	2.04		5.55		150	100
2018-09-21 13:00:00	5.7	-1.2		3.67		150	100
2018-09-21 13:15:00	3.66	0.99		-2.16		150	100
2018-09-21 13:30:00	4.57	0.87		-1.21		150	100
2018-09-21 13:45:00	2.83	3.91		-2.72		150	100
2018-09-21 14:00:00	7.62	5.02		-1.67		150	100
2018-09-21 14:15:00	4.37	5.47		-0.2		150	100
2018-09-21 14:30:00	4.98	4.77		-0.07		150	100
2018-09-21 14:45:00	4.95	4.84		-2.88		150	100
2018-09-21 15:00:00	5.48	5.34		-3.89		150	100
2018-09-21 15:15:00	3.61	9.58		1.11		150	100
2018-09-21 15:30:00	6.1	6.67		-4.41		150	100
2018-09-21 15:45:00	4.66	7.11		-5.15		150	100
2018-09-21 16:00:00		7.25		-5.22		150	100
2018-09-21 16:15:00		21.55		-17.3		150	100
2018-09-21 16:30:00		28.78	-16.85	-25.31		150	100
2018-09-21 16:45:00		10.9	-2.11	-7.59		150	100
2018-09-21 17:00:00		6.73	-1.12	-4.27		150	100
2018-09-21 17:15:00		6.02	-1.69	-3.48		150	100
2018-09-21 17:30:00		5.84	-4.94	-3.61		150	100
2018-09-21 17:45:00		5.83	-4.46	-2.7		150	100
2018-09-21 18:00:00		9.77	-5.45	-5.51		150	100
2018-09-21 18:15:00		12.83		5.13		150	100

>"Model Number", "PDR-1500", 01.34
"Serial no. ", "0115250283"
"Tag Number ", 10
"Start Time ", 08:50:03
"Start Date ", 21-Sep-2018
"Log Period ", 00:15:00
"Number   ", 28
"CalFactor   ", 1.000000
"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 78.910112
"Max Disp @ ", 08:59:23 21-Sep-2018
"Max STEL   ", 15.239913
"Max STEL @ ", 15:28:13 21-Sep-2018
"Avg point ", 4.813478
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"

record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 6.77, 18.7, 68, 742, 00 , 09:05:03, 21-Sep-2018
2, -1.98, 18.7, 68, 742, 00 , 09:20:03, 21-Sep-2018
3, -2.22, 18.7, 69, 742, 00 , 09:35:03, 21-Sep-2018
4, 1.52, 18.7, 69, 742, 00 , 09:50:03, 21-Sep-2018
5, -2.53, 18.9, 69, 742, 00 , 10:05:03, 21-Sep-2018
6, -2.59, 19.2, 68, 742, 00 , 10:20:03, 21-Sep-2018
7, -2.14, 19.6, 67, 742, 00 , 10:35:03, 21-Sep-2018
8, -2.20, 20.0, 66, 742, 00 , 10:50:03, 21-Sep-2018
9, 6.83, 20.5, 64, 742, 00 , 11:05:03, 21-Sep-2018
10, -1.61, 21.0, 64, 742, 00 , 11:20:03, 21-Sep-2018
11, -0.92, 21.4, 62, 742, 00 , 11:35:03, 21-Sep-2018
12, -0.76, 21.6, 62, 742, 00 , 11:50:03, 21-Sep-2018
13, 3.23, 21.9, 61, 742, 00 , 12:05:03, 21-Sep-2018
14, 6.23, 22.8, 59, 742, 00 , 12:20:03, 21-Sep-2018
15, 6.39, 24.2, 55, 742, 00 , 12:35:03, 21-Sep-2018
16, 8.86, 25.4, 51, 742, 00 , 12:50:03, 21-Sep-2018
17, 4.50, 25.9, 49, 742, 00 , 13:05:03, 21-Sep-2018
18, 4.65, 25.7, 49, 742, 00 , 13:20:03, 21-Sep-2018
19, 5.44, 25.1, 50, 742, 00 , 13:35:03, 21-Sep-2018
20, 6.74, 24.8, 51, 740, 00 , 13:50:03, 21-Sep-2018
21, 12.64, 24.5, 52, 740, 00 , 14:05:03, 21-Sep-2018
22, 9.84, 24.1, 54, 740, 00 , 14:20:03, 21-Sep-2018
23, 9.75, 23.9, 55, 740, 00 , 14:35:03, 21-Sep-2018
24, 9.79, 24.3, 55, 740, 00 , 14:50:03, 21-Sep-2018
25, 10.82, 25.3, 52, 740, 00 , 15:05:03, 21-Sep-2018
26, 13.19, 25.9, 49, 740, 00 , 15:20:03, 21-Sep-2018
27, 12.77, 25.4, 50, 740, 00 , 15:35:03, 21-Sep-2018
28, 11.77, 25.0, 51, 740, 00 , 15:50:03, 21-Sep-2018

>"Model Number", "PDR-1500", 01.34
"Serial no. ", "0115248913"
"Tag Number ", 26
"Start Time ", 08:50:03
"Start Date ", 21-Sep-2018
"Log Period ", 00:15:00
"Number   ", 38
"CalFactor   ", 1.000000
"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 324.056053
"Max Disp @ ", 16:33:52 21-Sep-2018
"Max STEL   ", 34.499619
"Max STEL @ ", 16:33:13 21-Sep-2018
"Avg point ", 3.882940
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"

record	"ug/m3"	Temp	RHumidity	AtmoPressure	Flags		
1,	-2.02,	20.0,	75,	740,	01 ,	09:05:03,	21-Sep-2018
2,	-2.80,	20.0,	76,	740,	00 ,	09:20:03,	21-Sep-2018
3,	-2.74,	20.1,	77,	740,	00 ,	09:35:03,	21-Sep-2018
4,	-0.84,	20.1,	77,	740,	00 ,	09:50:03,	21-Sep-2018
5,	-2.47,	20.2,	77,	740,	00 ,	10:05:03,	21-Sep-2018
6,	-2.87,	20.5,	77,	740,	00 ,	10:20:03,	21-Sep-2018
7,	-3.03,	21.0,	75,	740,	00 ,	10:35:03,	21-Sep-2018
8,	-2.34,	21.4,	74,	740,	00 ,	10:50:03,	21-Sep-2018
9,	0.76,	21.8,	73,	740,	00 ,	11:05:03,	21-Sep-2018
10,	-2.52,	22.2,	72,	740,	00 ,	11:20:03,	21-Sep-2018
11,	-1.86,	22.4,	71,	740,	00 ,	11:35:03,	21-Sep-2018
12,	-1.75,	22.6,	71,	740,	00 ,	11:50:03,	21-Sep-2018
13,	0.36,	22.9,	70,	740,	00 ,	12:05:03,	21-Sep-2018
14,	0.14,	23.7,	68,	738,	00 ,	12:20:03,	21-Sep-2018
15,	0.65,	25.1,	64,	738,	00 ,	12:35:03,	21-Sep-2018
16,	2.04,	26.3,	60,	738,	00 ,	12:50:03,	21-Sep-2018
17,	-1.20,	26.7,	58,	738,	00 ,	13:05:03,	21-Sep-2018
18,	0.99,	26.3,	59,	738,	00 ,	13:20:03,	21-Sep-2018
19,	0.87,	25.8,	60,	738,	00 ,	13:35:03,	21-Sep-2018
20,	3.91,	25.6,	61,	738,	00 ,	13:50:03,	21-Sep-2018
21,	5.02,	25.2,	62,	738,	00 ,	14:05:03,	21-Sep-2018
22,	5.47,	24.8,	63,	738,	00 ,	14:20:03,	21-Sep-2018
23,	4.77,	24.7,	64,	738,	00 ,	14:35:03,	21-Sep-2018
24,	4.84,	25.1,	64,	738,	00 ,	14:50:03,	21-Sep-2018
25,	5.34,	26.2,	61,	738,	00 ,	15:05:03,	21-Sep-2018
26,	9.58,	26.8,	59,	736,	00 ,	15:20:03,	21-Sep-2018
27,	6.67,	26.2,	59,	736,	00 ,	15:35:03,	21-Sep-2018
28,	7.11,	25.7,	61,	736,	00 ,	15:50:03,	21-Sep-2018
29,	7.25,	25.7,	61,	736,	00 ,	16:05:03,	21-Sep-2018
30,	21.55,	25.2,	62,	736,	00 ,	16:20:03,	21-Sep-2018
31,	28.78,	25.0,	62,	736,	00 ,	16:35:03,	21-Sep-2018
32,	10.90,	24.6,	63,	736,	00 ,	16:50:03,	21-Sep-2018
33,	6.73,	24.0,	65,	736,	00 ,	17:05:03,	21-Sep-2018
34,	6.02,	23.6,	67,	736,	00 ,	17:20:03,	21-Sep-2018
35,	5.84,	23.4,	68,	736,	00 ,	17:35:03,	21-Sep-2018
36,	5.83,	23.0,	69,	736,	00 ,	17:50:03,	21-Sep-2018
37,	9.77,	22.5,	71,	736,	00 ,	18:05:03,	21-Sep-2018
38,	12.83,	22.2,	72,	734,	00 ,	18:20:03,	21-Sep-2018

>"Model Number", "PDR-1500", 01.34
"Serial no. ", "0115248865"
"Tag Number ", 24
"Start Time ", 16:15:03
"Start Date ", 21-Sep-2018
"Log Period ", 00:15:00
"Number   ", 7
"CalFactor   ", 1.000000
"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 117.048323
"Max Disp @ ", 16:15:11 21-Sep-2018
"Max STEL   ", 11.955538
"Max STEL @ ", 16:28:23 21-Sep-2018
"Avg point ", 5.321302
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 11.93, 26.9, 59, 736, 02 , 16:30:03, 21-Sep-2018
2, 8.79, 25.8, 62, 736, 00 , 16:45:03, 21-Sep-2018
3, 5.61, 24.7, 66, 736, 00 , 17:00:03, 21-Sep-2018
4, 4.33, 24.0, 69, 736, 00 , 17:15:03, 21-Sep-2018
5, 0.90, 23.6, 71, 736, 00 , 17:30:03, 21-Sep-2018
6, 1.37, 23.3, 72, 736, 00 , 17:45:03, 21-Sep-2018
7, 4.32, 23.0, 74, 736, 00 , 18:00:03, 21-Sep-2018

>"Model Number", "ADR-1500", 01.34
"Serial no. ", "0115249190"
"Tag Number ", 28
"Start Time ", 08:50:03
"Start Date ", 21-Sep-2018
"Log Period ", 00:15:00
"Number   ", 38
"CalFactor   ", 1.000000
"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 320.752907
"Max Disp @ ", 10:54:44 21-Sep-2018
"Max STEL   ", 20.351968
"Max STEL @ ", 10:57:53 21-Sep-2018
"Avg point ", 2.720567
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"

record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, -1.58, 19.3, 71, 742, 01 , 09:05:03, 21-Sep-2018
2, -1.59, 19.3, 73, 742, 00 , 09:20:03, 21-Sep-2018
3, -2.10, 19.3, 73, 742, 00 , 09:35:03, 21-Sep-2018
4, 3.12, 19.4, 73, 742, 00 , 09:50:03, 21-Sep-2018
5, -2.30, 19.6, 73, 742, 00 , 10:05:03, 21-Sep-2018
6, -2.29, 19.8, 72, 742, 00 , 10:20:03, 21-Sep-2018
7, -2.55, 20.1, 72, 742, 00 , 10:35:03, 21-Sep-2018
8, -2.14, 20.5, 70, 742, 00 , 10:50:03, 21-Sep-2018
9, 20.20, 21.0, 69, 742, 00 , 11:05:03, 21-Sep-2018
10, -2.43, 21.3, 68, 742, 00 , 11:20:03, 21-Sep-2018
11, 2.64, 21.6, 68, 742, 00 , 11:35:03, 21-Sep-2018
12, -1.96, 21.9, 67, 740, 00 , 11:50:03, 21-Sep-2018
13, 5.59, 22.4, 65, 740, 00 , 12:05:03, 21-Sep-2018
14, 3.81, 23.2, 62, 740, 00 , 12:20:03, 21-Sep-2018
15, -0.05, 24.2, 59, 740, 00 , 12:35:03, 21-Sep-2018
16, 7.59, 25.1, 56, 740, 00 , 12:50:03, 21-Sep-2018
17, 2.47, 25.5, 55, 740, 00 , 13:05:03, 21-Sep-2018
18, -1.17, 25.6, 55, 740, 00 , 13:20:03, 21-Sep-2018
19, -0.34, 25.3, 55, 740, 00 , 13:35:03, 21-Sep-2018
20, 1.19, 24.9, 56, 740, 00 , 13:50:03, 21-Sep-2018
21, 3.35, 24.6, 57, 740, 00 , 14:05:03, 21-Sep-2018
22, 5.27, 24.6, 58, 740, 00 , 14:20:03, 21-Sep-2018
23, 4.70, 24.9, 56, 740, 00 , 14:35:03, 21-Sep-2018
24, 1.96, 25.4, 56, 738, 00 , 14:50:03, 21-Sep-2018
25, 1.45, 26.8, 52, 738, 00 , 15:05:03, 21-Sep-2018
26, 10.69, 27.9, 47, 738, 00 , 15:20:03, 21-Sep-2018
27, 2.26, 27.3, 48, 738, 00 , 15:35:03, 21-Sep-2018
28, 1.96, 26.9, 50, 738, 00 , 15:50:03, 21-Sep-2018
29, 2.03, 27.7, 48, 738, 00 , 16:05:03, 21-Sep-2018
30, 4.25, 27.0, 48, 738, 00 , 16:20:03, 21-Sep-2018
31, 3.47, 26.7, 49, 738, 00 , 16:35:03, 21-Sep-2018
32, 3.31, 27.1, 47, 738, 00 , 16:50:03, 21-Sep-2018
33, 2.46, 25.7, 51, 738, 00 , 17:05:03, 21-Sep-2018
34, 2.54, 25.0, 55, 738, 00 , 17:20:03, 21-Sep-2018
35, 2.23, 24.4, 56, 738, 00 , 17:35:03, 21-Sep-2018
36, 3.13, 23.7, 59, 738, 00 , 17:50:03, 21-Sep-2018
37, 4.26, 22.8, 62, 736, 00 , 18:05:03, 21-Sep-2018
38, 17.96, 22.1, 64, 736, 00 , 18:20:03, 21-Sep-2018

>"Model Number", "PDR-1500", 01.34
"Serial no. ", "CM15191011"
"Tag Number ", 32
"Start Time ", 18:27:42
"Start Date ", 21-Sep-2018
"Log Period ", 00:15:00
"Number   ", 0
"CalFactor   ", 1.000000
"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 0.000000
"Max Disp @ ", 12:31:26 18-May-2018
"Max STEL   ", 0.000000
"Max STEL @ ", 12:38:09 18-May-2018
"Avg point ", nan
"ALARM   ", "DISABLED"
"ALARM_LEVEL(mg) ", 0.000000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags

DAILY OBSERVATION REPORT

Report No.:	97	Project File:	MN0832D	Date:	09/22/2018

Geosyntec consultants
engineers | scientists | innovators

Beech and Bonaparte engineering p.c.
an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Ashwin Ranna

Site Representative: Ashwin Ranna

Arrive at Site: 0700hrs. Leave Site: 1330hrs.

Contractor: Recon

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Cloudy	Am	Partly Cloudy	Pm
Temperature:	42° F	Am	61° F	Pm
Wind Direction:	7 N	Am	9 N	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 97 Project File: MN0832D Date: 09/22/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 543

Weight: ~20 tons/each Total Weight to date: 13008 Tons (Based on facility weight tickets)

Non Haz Soil Removal:

Total Loads today: 0 Total Loads to date: 615

Weight: 20-33 tons/each Total Weight to date: ~14350Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 6

Weight: Tons Total Weight to date: 205 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1110

Weight: ~21 Tons/each Total Weight to date: ~22628Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	97	Project File:	MN0832D	Date:	09/22/2018

Summary of Events

AM

- Geosyntec arrived on site at 0700. Calibrated and configured dust monitors. Attended Recon safety meeting and held Geosyntec safety tailgate. Reviewed work plan for the day. Recon planned to place sod on the grass near the mulch bed.
- Geosyntec deployed dust monitors. Recon prepared to place sod.
- Recon installed sod between 0830 and 1300.

PM

- Recon completed cleanup and Geosyntec collected the dust monitors and downloaded data. Recon confirmed that they would be putting up temporary fencing on Monday.
- Geosyntec locked up the school and Recon closed site for day and left at 1330

DAILY OBSERVATION REPORT

Report No.:	97	Project File:	MN0832D	Date:	09/22/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Patrick Carr
- Rich Tonnucour
- (Recon labor) X5

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- ST-197 Dodge Ram Work Truck
- Trimble GPS System (Base, Rover, Data Collector)
- CAT D6K LGP Dozer
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX2
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: 8/24/18

ITEMS OF CONCERN:

Site Representative: Ashwin Ranna

Name (Signature):



Report No.:	97	Project File:	MN0832D	Date:	09/22/2018

Photo Log
Date : 09/18/2018



Plastic placed down to place sod



Trimming edges of sod





Completed sod placement

DAILY OBSERVATION REPORT

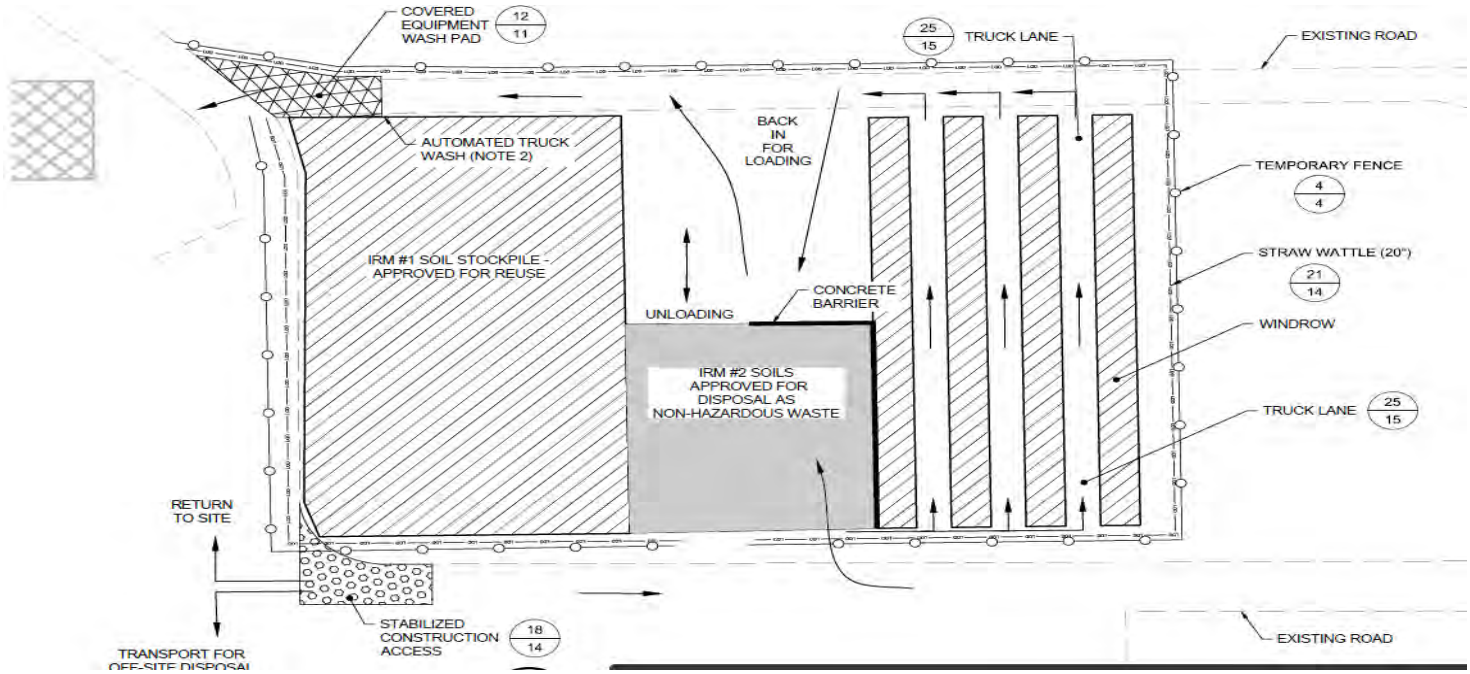
Report No.:	97	Project File:	MN0832D	Date:	09/22/2018

Site Map

Rear Parking Lot

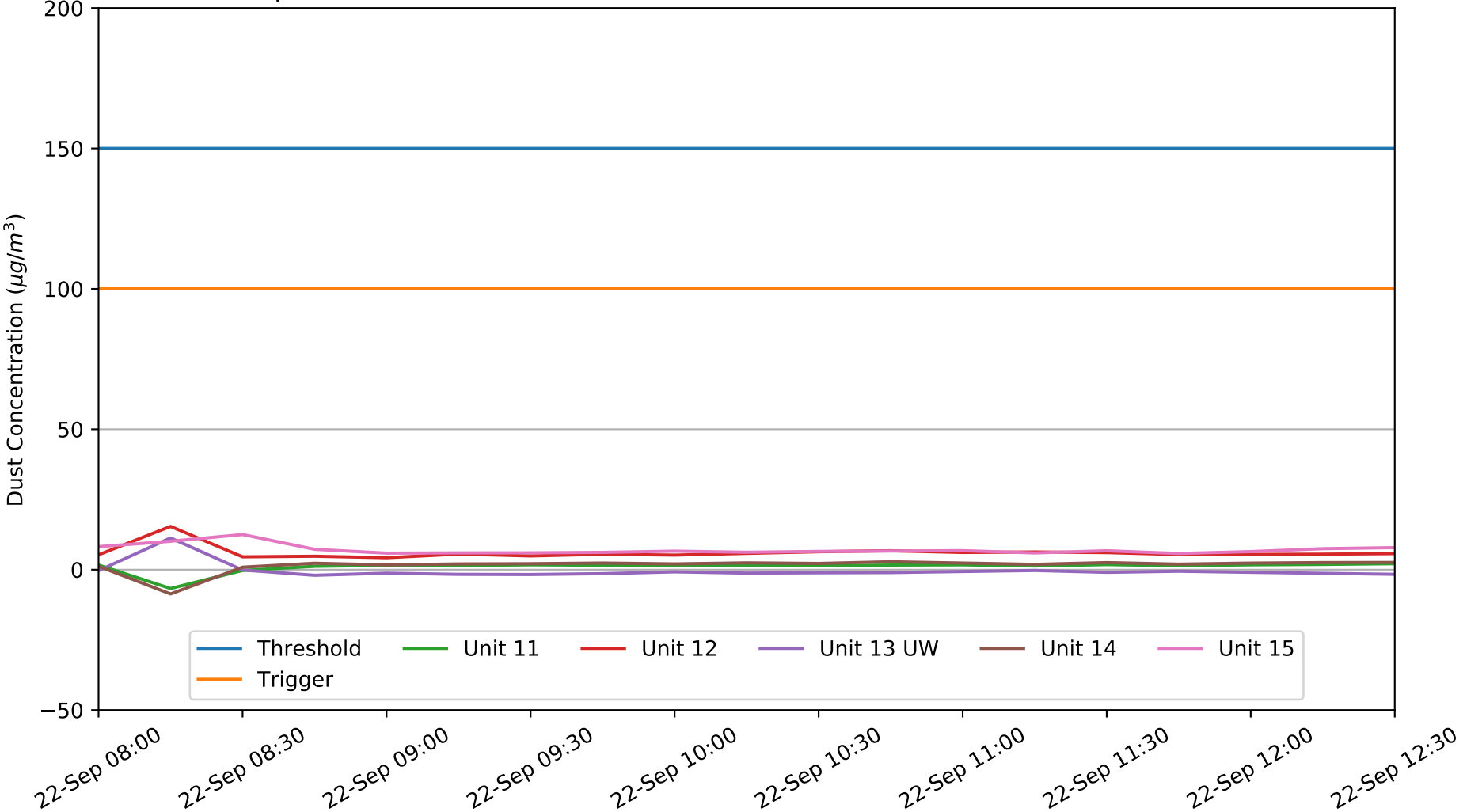


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 22-Sep-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 22-Sep-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 11	Unit 14	Unit 15	Unit 12	Unit 13 UW	Threshold	Trigger
2018-09-22 08:00:00	1.65	1.21	8.2	5.3	-0.33	150	100
2018-09-22 08:15:00	-6.71	-8.64	10.1	15.41	11.3	150	100
2018-09-22 08:30:00	-0.27	0.88	12.51	4.57	-0.12	150	100
2018-09-22 08:45:00	1.19	2.28	7.25	4.78	-1.99	150	100
2018-09-22 09:00:00	1.54	1.7	5.88	4.25	-1.24	150	100
2018-09-22 09:15:00	1.46	2.04	5.97	5.55	-1.66	150	100
2018-09-22 09:30:00	1.73	2.12	6	4.89	-1.72	150	100
2018-09-22 09:45:00	1.59	2.36	6.16	5.49	-1.42	150	100
2018-09-22 10:00:00	1.43	2.05	6.6	5.19	-0.78	150	100
2018-09-22 10:15:00	1.39	2.43	6.2	5.81	-1.22	150	100
2018-09-22 10:30:00	1.36	2.21	6.5	6.39	-1.1	150	100
2018-09-22 10:45:00	1.64	2.82	6.64	6.74	-1.03	150	100
2018-09-22 11:00:00	1.72	2.36	6.77	6.13	-0.65	150	100
2018-09-22 11:15:00	1.32	1.88	5.96	6.3	-0.29	150	100
2018-09-22 11:30:00	1.81	2.52	6.73	6.08	-0.94	150	100
2018-09-22 11:45:00	1.42	1.96	5.76	5.4	-0.55	150	100
2018-09-22 12:00:00	1.73	2.34	6.44	5.43	-0.94	150	100
2018-09-22 12:15:00	1.87	2.53	7.47	5.52	-1.29	150	100
2018-09-22 12:30:00	2.12	2.58	7.85	5.72	-1.65	150	100

>"Model Number", "PDR-1500", 01.34
"Serial no. ", "0115248913"
"Tag Number ", 27
"Start Time ", 07:45:03
"Start Date ", 22-Sep-2018
"Log Period ", 00:15:00
"Number   ", 19
"CalFactor   ", 1.000000
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"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 35.056503
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3, -0.39, 14.8, 57, 744, 00 , 08:30:03, 22-Sep-2018
4, -0.80, 13.8, 62, 744, 00 , 08:45:03, 22-Sep-2018
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6, -0.20, 13.6, 65, 744, 00 , 09:15:03, 22-Sep-2018
7, 0.01, 13.5, 66, 744, 00 , 09:30:03, 22-Sep-2018
8, 0.17, 13.3, 66, 744, 00 , 09:45:03, 22-Sep-2018
9, 0.65, 13.4, 66, 744, 00 , 10:00:03, 22-Sep-2018
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11, 0.26, 14.6, 62, 744, 00 , 10:30:03, 22-Sep-2018
12, 0.61, 14.5, 62, 744, 00 , 10:45:03, 22-Sep-2018
13, 1.07, 14.2, 62, 744, 00 , 11:00:03, 22-Sep-2018
14, 1.03, 14.0, 63, 744, 00 , 11:15:03, 22-Sep-2018
15, 0.87, 14.0, 63, 744, 00 , 11:30:03, 22-Sep-2018
16, 0.87, 13.9, 65, 744, 00 , 11:45:03, 22-Sep-2018
17, 0.79, 13.6, 66, 744, 00 , 12:00:03, 22-Sep-2018
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19, 0.47, 13.8, 65, 744, 00 , 12:30:03, 22-Sep-2018

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"Max STEL @ ", 08:17:13 22-Sep-2018
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3, 0.76, 13.9, 52, 746, 00 , 08:30:03, 22-Sep-2018
4, 0.29, 12.8, 55, 746, 00 , 08:45:03, 22-Sep-2018
5, 0.46, 12.5, 59, 746, 00 , 09:00:03, 22-Sep-2018
6, 0.38, 12.3, 59, 746, 00 , 09:15:03, 22-Sep-2018
7, 0.40, 12.2, 60, 746, 00 , 09:30:03, 22-Sep-2018
8, 0.94, 11.9, 61, 746, 00 , 09:45:03, 22-Sep-2018
9, 1.27, 12.0, 60, 746, 00 , 10:00:03, 22-Sep-2018
10, 1.21, 12.5, 59, 746, 00 , 10:15:03, 22-Sep-2018
11, 1.11, 13.2, 55, 746, 00 , 10:30:03, 22-Sep-2018
12, 1.79, 13.0, 56, 746, 00 , 10:45:03, 22-Sep-2018
13, 1.71, 12.7, 56, 746, 00 , 11:00:03, 22-Sep-2018
14, 1.59, 12.6, 57, 746, 00 , 11:15:03, 22-Sep-2018
15, 1.58, 12.5, 58, 746, 00 , 11:30:03, 22-Sep-2018
16, 1.41, 12.4, 60, 746, 00 , 11:45:03, 22-Sep-2018
17, 1.40, 12.2, 61, 746, 00 , 12:00:03, 22-Sep-2018
18, 1.24, 12.0, 61, 746, 00 , 12:15:03, 22-Sep-2018
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"Start Date ", 22-Sep-2018
"Log Period ", 00:15:00
"Number   ", 19
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"Unit   ", 0
"Unit Name   ", "ug/m3"
"TEMPUNITS   ", C
"RH CORRECT ", "ENABLED "
"Max Disp   ", 128.832722
"Max Disp @ ", 08:05:45 22-Sep-2018
"Max STEL   ", 28.461928
"Max STEL @ ", 08:17:03 22-Sep-2018
"Avg point ", 6.703777
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"Errors   ", 0000
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"FlowRate   ", 1.200000
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1, 7.87, 15.9, 57, 744, 03 , 08:00:03, 22-Sep-2018
2, 21.40, 15.9, 54, 744, 00 , 08:15:03, 22-Sep-2018
3, 12.39, 15.4, 54, 744, 01 , 08:30:03, 22-Sep-2018
4, 5.26, 14.2, 63, 744, 00 , 08:45:03, 22-Sep-2018
5, 4.64, 13.9, 69, 744, 00 , 09:00:03, 22-Sep-2018
6, 4.31, 13.9, 68, 744, 00 , 09:15:03, 22-Sep-2018
7, 4.28, 13.9, 69, 744, 00 , 09:30:03, 22-Sep-2018
8, 4.74, 13.7, 69, 744, 00 , 09:45:03, 22-Sep-2018
9, 5.82, 13.6, 68, 744, 00 , 10:00:03, 22-Sep-2018
10, 4.98, 14.0, 67, 744, 00 , 10:15:03, 22-Sep-2018
11, 5.40, 14.7, 65, 744, 00 , 10:30:03, 22-Sep-2018
12, 5.61, 14.8, 64, 744, 00 , 10:45:03, 22-Sep-2018
13, 6.12, 14.5, 65, 746, 00 , 11:00:03, 22-Sep-2018
14, 5.67, 14.4, 66, 746, 00 , 11:15:03, 22-Sep-2018
15, 5.79, 14.5, 66, 746, 00 , 11:30:03, 22-Sep-2018
16, 5.21, 14.3, 67, 746, 00 , 11:45:03, 22-Sep-2018
17, 5.50, 14.0, 68, 746, 00 , 12:00:03, 22-Sep-2018
18, 6.18, 13.7, 70, 746, 00 , 12:15:03, 22-Sep-2018
19, 6.20, 14.1, 68, 746, 00 , 12:30:03, 22-Sep-2018

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"Tag Number ", 12
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"Unit   ", 0
"Unit Name   ", "ug/m3"
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"Max Disp @ ", 08:03:39 22-Sep-2018
"Max STEL   ", 27.346528
"Max STEL @ ", 08:17:23 22-Sep-2018
"Avg point ", 5.648065
"ALARM   ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors   ", 0000
"Inlet Type " "TOTAL   "
"FlowRate   ", 1.200000
"Site Name   ", "Factory default"
record, "ug/m3", Temp, RHumidity, AtmoPressure, Flags
1, 4.97, 13.4, 51, 744, 01 , 08:00:03, 22-Sep-2018
2, 26.71, 13.4, 51, 744, 01 , 08:15:03, 22-Sep-2018
3, 4.45, 13.1, 55, 744, 00 , 08:30:03, 22-Sep-2018
4, 2.79, 12.1, 61, 744, 00 , 08:45:03, 22-Sep-2018
5, 3.01, 12.0, 64, 744, 00 , 09:00:03, 22-Sep-2018
6, 3.89, 12.0, 64, 746, 00 , 09:15:03, 22-Sep-2018
7, 3.17, 12.1, 65, 746, 00 , 09:30:03, 22-Sep-2018
8, 4.07, 11.8, 64, 746, 00 , 09:45:03, 22-Sep-2018
9, 4.41, 12.0, 65, 746, 00 , 10:00:03, 22-Sep-2018
10, 4.59, 12.9, 64, 746, 00 , 10:15:03, 22-Sep-2018
11, 5.29, 13.8, 61, 746, 00 , 10:30:03, 22-Sep-2018
12, 5.71, 13.7, 58, 746, 00 , 10:45:03, 22-Sep-2018
13, 5.48, 13.1, 59, 746, 00 , 11:00:03, 22-Sep-2018
14, 6.01, 12.8, 61, 746, 00 , 11:15:03, 22-Sep-2018
15, 5.14, 12.7, 61, 746, 00 , 11:30:03, 22-Sep-2018
16, 4.85, 12.6, 63, 746, 00 , 11:45:03, 22-Sep-2018
17, 4.49, 12.4, 62, 746, 00 , 12:00:03, 22-Sep-2018
18, 4.23, 12.1, 64, 746, 00 , 12:15:03, 22-Sep-2018
19, 4.07, 12.7, 62, 746, 00 , 12:30:03, 22-Sep-2018

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"RH CORRECT ", "ENABLED "
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"Max Disp @ ", 08:05:43 22-Sep-2018
"Max STEL   ", 13.018587
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1, -0.33, 15.2, 51, 744, 01 , 08:00:03, 22-Sep-2018
2, 11.30, 15.1, 51, 744, 00 , 08:15:03, 22-Sep-2018
3, -0.12, 14.7, 50, 744, 03 , 08:30:03, 22-Sep-2018
4, -1.99, 13.5, 52, 744, 00 , 08:45:03, 22-Sep-2018
5, -1.24, 13.3, 56, 744, 00 , 09:00:03, 22-Sep-2018
6, -1.66, 13.3, 56, 744, 00 , 09:15:03, 22-Sep-2018
7, -1.72, 13.3, 57, 746, 00 , 09:30:03, 22-Sep-2018
8, -1.42, 13.1, 57, 746, 00 , 09:45:03, 22-Sep-2018
9, -0.78, 12.9, 56, 746, 00 , 10:00:03, 22-Sep-2018
10, -1.22, 13.5, 55, 746, 00 , 10:15:03, 22-Sep-2018
11, -1.10, 14.3, 52, 746, 00 , 10:30:03, 22-Sep-2018
12, -1.03, 14.2, 52, 746, 00 , 10:45:03, 22-Sep-2018
13, -0.65, 13.8, 53, 746, 00 , 11:00:03, 22-Sep-2018
14, -0.29, 13.6, 55, 746, 00 , 11:15:03, 22-Sep-2018
15, -0.94, 13.7, 55, 746, 00 , 11:30:03, 22-Sep-2018
16, -0.55, 13.5, 56, 746, 00 , 11:45:03, 22-Sep-2018
17, -0.94, 13.2, 57, 746, 00 , 12:00:03, 22-Sep-2018
18, -1.29, 12.8, 58, 746, 00 , 12:15:03, 22-Sep-2018
19, -1.65, 13.1, 57, 746, 00 , 12:30:03, 22-Sep-2018

DAILY OBSERVATION REPORT

Report No.:	98	Project File:	MN0832D	Date:	09/24/2018

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Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Ashwin Ranna

Site Representative: Ashwin Ranna

Arrive at Site: 0700hrs. Leave Site: 1600hrs.

Contractor: Recon

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Cloudy	Am	Sunny	Pm
Temperature:	42° F	Am	61° F	Pm
Wind Direction:	7 N	Am	9 N	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☐	N/A ☒
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 98 Project File: MN0832D Date: 09/24/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 543

Weight: ~20 tons/each Total Weight to date: 13008 Tons (Based on facility weight tickets)

Non Haz Soil Removal:

Total Loads today: 0 Total Loads to date: 661

Weight: 20-33 tons/each Total Weight to date: 16016.13Tons (Based on facility weight tickets)

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 6

Weight: Tons Total Weight to date: 205 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1110

Weight: ~21 Tons/each Total Weight to date: ~22628Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	98	Project File:	MN0832D	Date:	09/24/2018

Summary of Events

AM

- Geosyntec arrived on site at 0700. Attended Recon safety meeting and held Geosyntec safety tailgate. Reviewed work plan for the day. Recon planned to Complete cleanup around sod area and place a temporary fence within that area. As no earthwork was to be carried out, dust monitors were not deployed.
- Recon took down the orange snow fence and began installing temporary fencing.
- Equipment was prepared for demobilization and taken offsite.
- NYSDEC was on site at 1030. Tim Schneider and Scott Williams inspected the installed sod. A site walk was completed with Dom Insogna from EHS and Amanda Castignetti from Stirling.
- NYSDEC left site around 1200.

PM

- Recon completed installation of the temporary fence around the sod area. Additional sod was placed down as a patch along the edges of the asphalt.
- Geosyntec locked up the MSA and Recon closed site for day and left at 1545

DAILY OBSERVATION REPORT

Report No.: 98 Project File: MN0832D Date: 09/24/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Rich Tonnucour
- (Recon labor) X5

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- CAT D6K LGP Dozer
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX2
- Ford 5-ton dump - United Rentals
- Cat 349 Excavator
- Cat 336
- Excavator Mini
- Roller

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Tim Schneider	NYSDEC	NA
Scott Williams	NYSDEC	NA
Dom Insogna	EHS	NA
Amanda Castignetti	Stirling	NA

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: 8/24/18

ITEMS OF CONCERN:

Site Representative: Ashwin Ranna

Name (Signature):



DAILY OBSERVATION REPORT

Report No.:	98	Project File:	MN0832D	Date:	09/24/2018

Photo Log
Date : 09/24/2018

	
Demobilizing Equipment	Housekeeping on site
	
Fence installation along sod	Completed Temporary fencing along sod area.

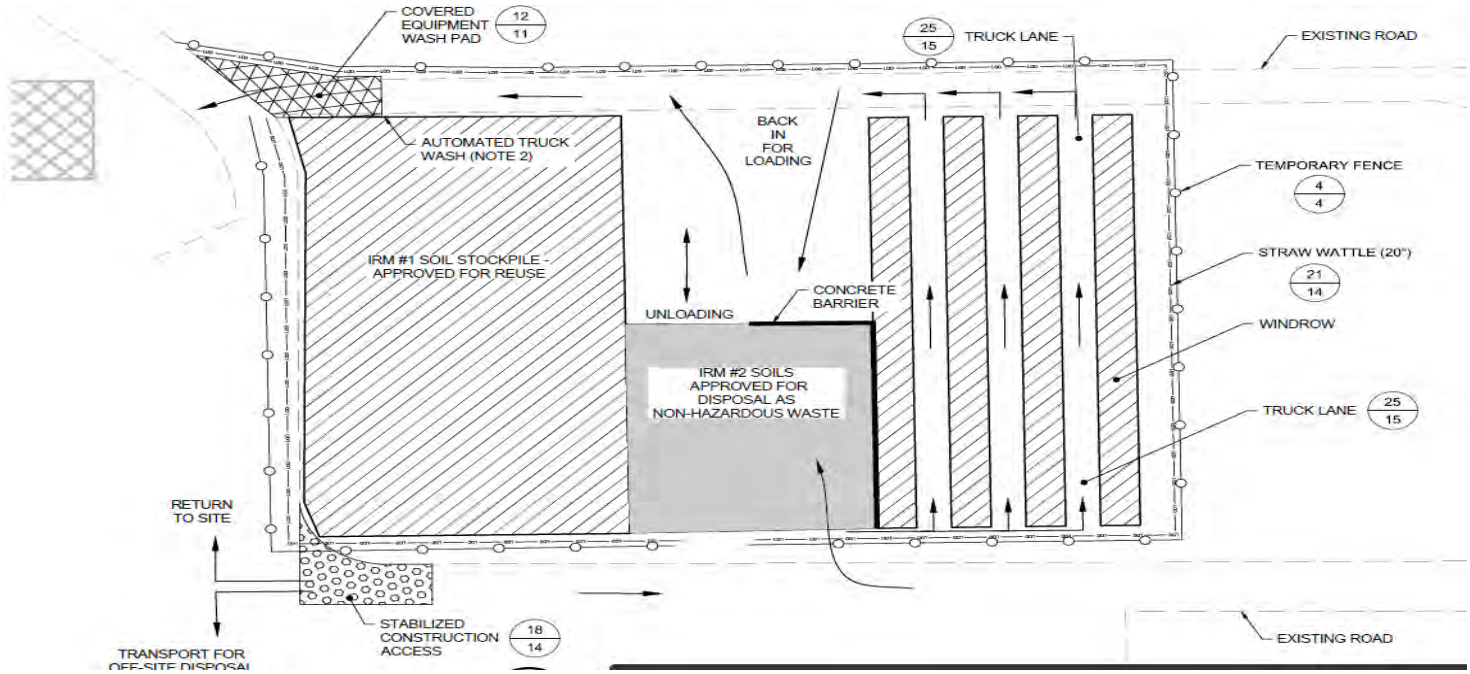
Report No.:	98	Project File:	MN0832D	Date:	09/24/2018

Site Map

Rear Parking Lot



MSA



DAILY OBSERVATION REPORT

Report No.:	99	Project File:	MN0832D	Date:	09/25/2018

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Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Ashwin Ranna

Site Representative: Ashwin Ranna

Arrive at Site: 0700hrs. Leave Site: 1600hrs.

Contractor: Recon

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Cloudy Slight rain	Am	Overcast	Pm
Temperature:	55° F	Am	70° F	Pm
Wind Direction:	Calm	Am	3 Variable	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☐	N/A ☒
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 99 Project File: MN0832D Date: 09/25/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 543

Weight: ~24 tons/each Total Weight to date: ~12951Tons (Based on facility weight tickets)

Non Haz Soil Removal:

Total Loads today: 0 Total Loads to date: 661

Weight: 20-33 tons/each Total Weight to date: 16016 Tons (Based on facility weight tickets)

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 6

Weight: Tons Total Weight to date: 205 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1110

Weight: ~21 Tons/each Total Weight to date: ~22628Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	99	Project File:	MN0832D	Date:	09/25/2018

Summary of Events

AM

- Geosyntec arrived on site at 0700. Attended Recon safety meeting and held Geosyntec safety tailgate. Reviewed work plan for the day. Recon planned to carry out housekeeping activity around the STCC portion of the site and continue demobilizing equipment.
- No earthwork was planned or carried out and dust monitors were not deployed.
- Recon took down the silt fence along the edge of the paved parking lot in the RPL.

PM

- Recon staged crane mats within the MSA. Equipment and material were moved into the MSA and prepared for long term storage.
- Cleaning of equipment in preparation for demobilization continued through the day.
- NYSDEC was on site at 1500. Scott Williams inspected the site.
- NYSDEC left site at 1545
- Geosyntec locked up the MSA and Recon closed site for day and left at 1600.

DAILY OBSERVATION REPORT

Report No.:	99	Project File:	MN0832D	Date:	09/25/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Larry Hunt
- Rich Tonnucour
- (Recon labor) X5

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- CAT D6K LGP Dozer
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX2
- Ford 5-ton dump - United Rentals
- Cat 336
- Excavator Mini
- Roller

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Scott Williams	NYSDEC	NA

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date (RPL Turnover to ECSD): 8/29/18
Completion Date (MSA Turnover to STCC): TBD

ITEMS OF CONCERN:

Site Representative: Ashwin Ranna

Name (Signature):



Report No.: 99 Project File: MN0832D Date: 09/25/2018

Photo Log
Date : 09/25/2018

	
Moving materials into the MSA for long term storage	Cleaning up area around MSA
	
Crane Mats moved into MSA	Scraped up grass material to be shipped offsite

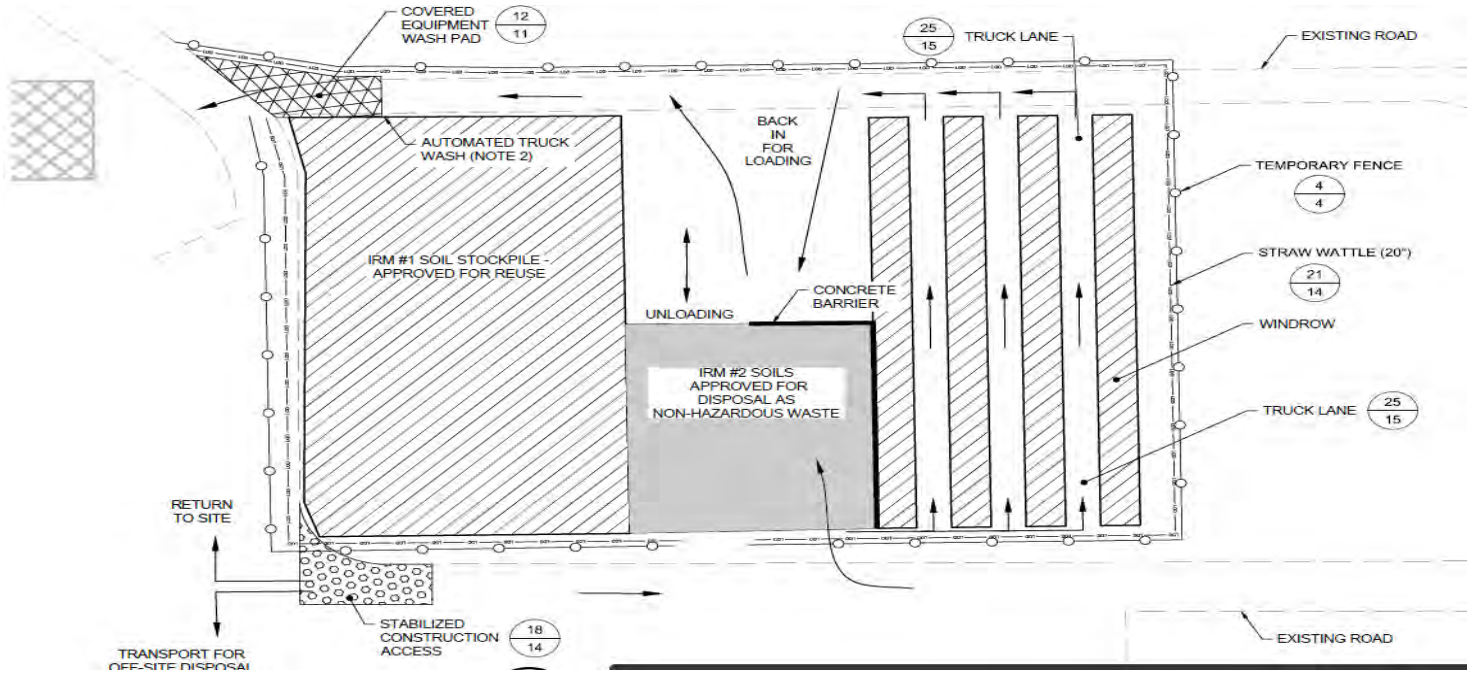
Report No.:	99	Project File:	MN0832D	Date:	09/25/2018

Site Map

Rear Parking Lot



MSA



DAILY OBSERVATION REPORT

Report No.:	100	Project File:	MN0832D	Date:	09/26/2018

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Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Ashwin Ranna

Site Representative: Ashwin Ranna

Arrive at Site: 0700hrs. Leave Site: 1500hrs.

Contractor: Recon

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Cloudy Slight rain	Am	Overcast	Pm
Temperature:	49° F	Am	75° F	Pm
Wind Direction:	Calm	Am	8 S	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 100 Project File: MN0832D Date: 09/26/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 543

Weight: ~24 tons/each Total Weight to date: ~12951 Tons (Based on facility weight tickets)

Non Haz Soil Removal:

Total Loads today: 0 Total Loads to date: 661

Weight: 20-33 tons/each Total Weight to date: 16016 Tons (Based on facility weight tickets)

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 6

Weight: Tons Total Weight to date: 205 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1110

Weight: ~21 Tons/each Total Weight to date: ~22628Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	100	Project File:	MN0832D	Date:	09/26/2018

Summary of Events

AM

- Geosyntec arrived on site at 0700. Attended Recon safety meeting and held Geosyntec safety tailgate. Reviewed work plan for the day. Recon planned to carry out housekeeping activity around the STCC portion of the site and continue demobilizing equipment. Recon also prepared to spread out the piled up base material in the MSA by placing down geotextile.
- Dust monitors were deployed in the morning but collected when rain began around 0900.
- A site inspection of the RPL was carried out to identify the extent of the soft spots on the RPL.
- NYSDEC was on site at 1030. Scott Williams joined in on the site walk.

PM

- Recon completed spreading out the piled up base material, and then ran the roller over it to compact the layer. Housekeeping around the MSA and STCC portion of the site continued.
- Cleaning of equipment in preparation for demobilization continued through the day. Some equipment was packed up and demobilized.
- Recon sprayed down and cleaned up the road near the MSA.
- Scott Williams left the site around noon.
- Geosyntec locked up the MSA and Recon closed site for day and left at 1500.

DAILY OBSERVATION REPORT

Report No.:	100	Project File:	MN0832D	Date:	09/26/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Tom Tanner
- Larry Hunt
- Rich Tonnucour
- (Recon labor) X5

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- CAT D6K LGP Dozer
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX2
- Ford 5-ton dump - United Rentals
- Cat 336
- Roller

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Kevin Kreuger	Unisys	NA
Scott Williams	NYSDEC	NA

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date (RPL Turnover to ECSD): 8/29/18
Completion Date (MSA Turnover to STCC)

ITEMS OF CONCERN:

Site Representative: Ashwin Ranna

Name (Signature):



Report No.:	100	Project File:	MN0832D	Date:	09/26/2018

Photo Log
Date : 09/26/2018

	
Geotextile placed prior to spreading base material	Spreading MSA base material
	
Deconning equipment prior to demobilization	Cleaning road near MSA

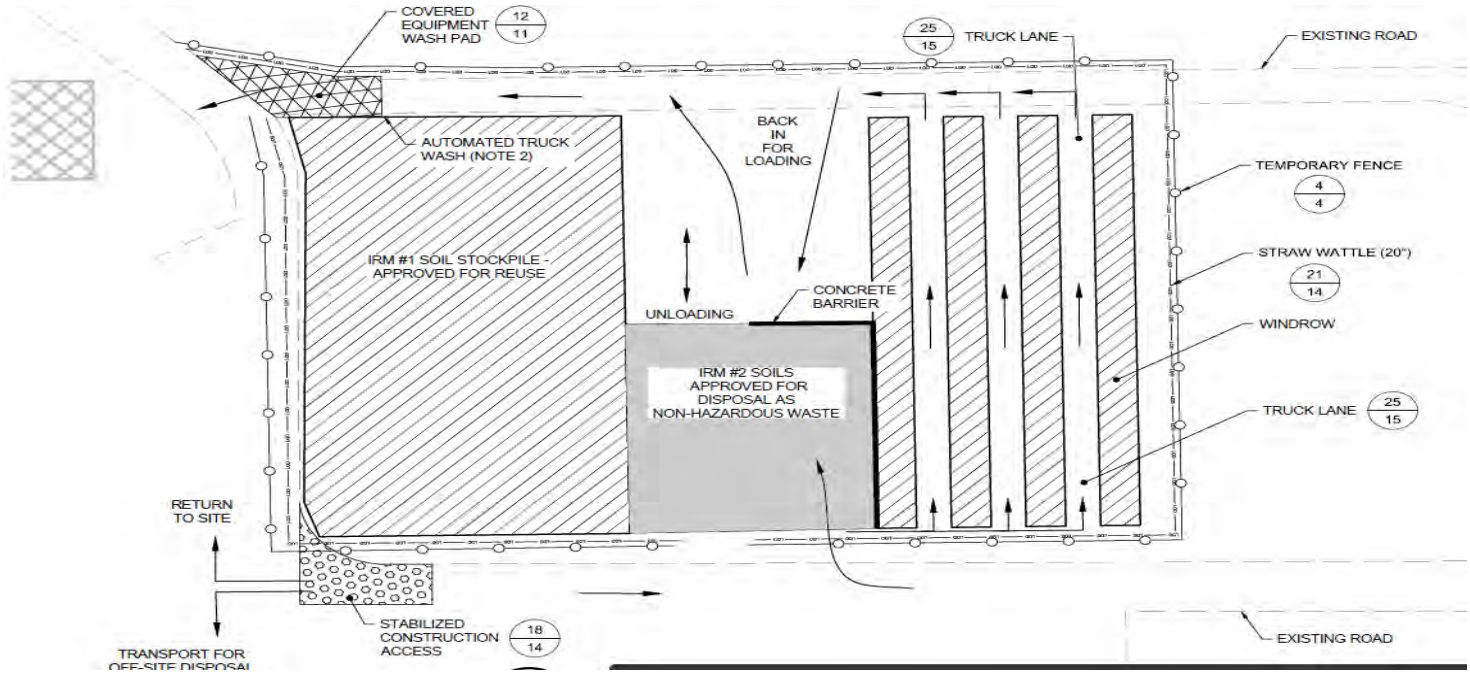
Report No.:	100	Project File:	MN0832D	Date:	09/26/2018

Site Map

Rear Parking Lot

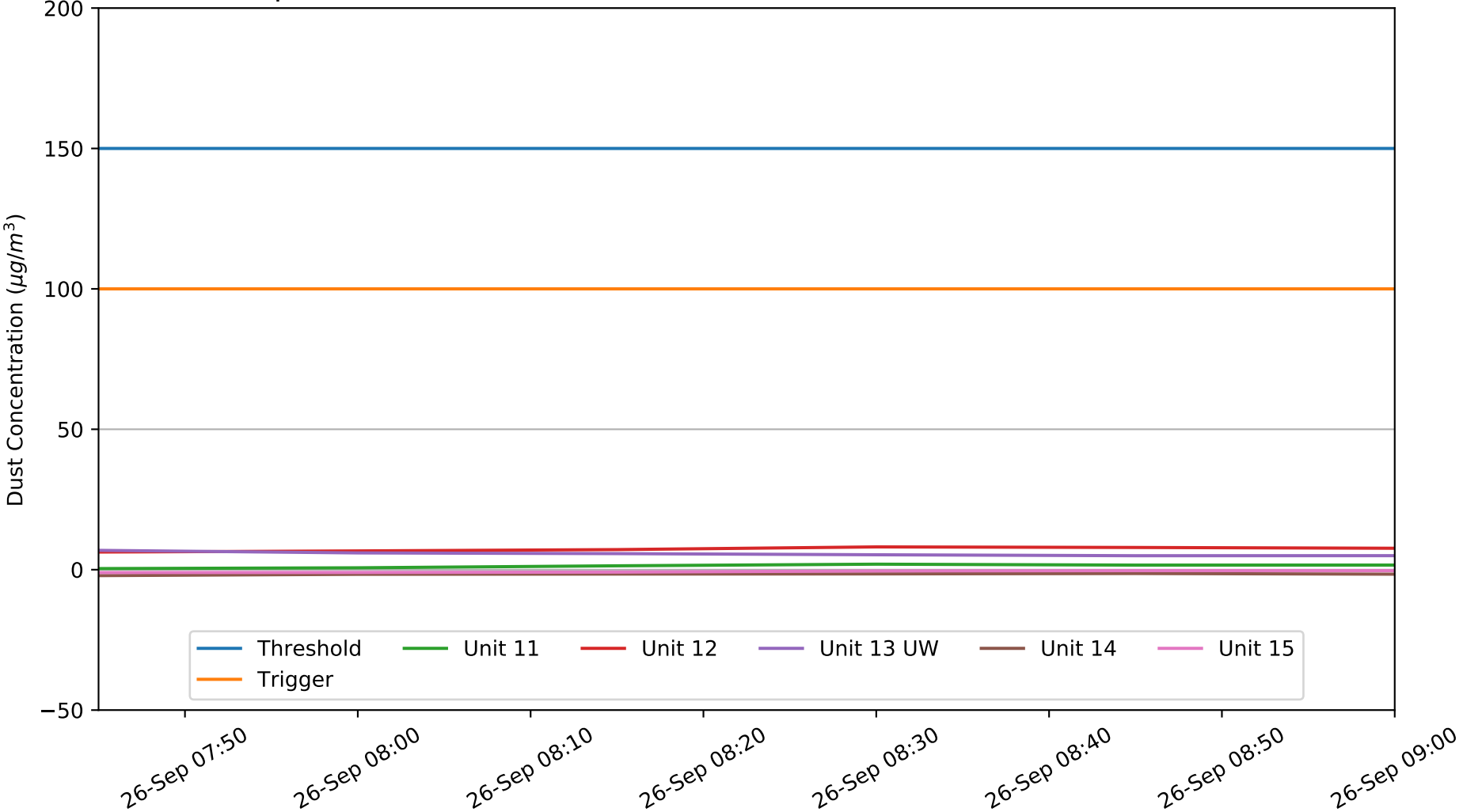


MSA



Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 26-Sep-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 26-Sep-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 14	Unit 13 UW	Unit 12	Unit 15	Unit 11	Threshold	Trigger
2018-09-26 07:45:00	-2.11	6.88	6.28	-1.03	0.39	150	100
2018-09-26 08:00:00	-1.65	5.97	6.68	-0.98	0.67	150	100
2018-09-26 08:15:00	-1.56	5.72	7.15	-0.86	1.38	150	100
2018-09-26 08:30:00	-1.5	5.31	8.11	-0.45	1.96	150	100
2018-09-26 08:45:00	-1.36	4.97	7.91	-0.34	1.63	150	100
2018-09-26 09:00:00	-1.6	4.99	7.63	-0.34	1.64	150	100

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3, 4.16, 18.7, 82, 738, 00 , 08:15:03, 26-Sep-2018
4, 3.81, 19.0, 81, 738, 00 , 08:30:03, 26-Sep-2018
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DAILY OBSERVATION REPORT

Report No.:	101	Project File:	MN0832D	Date:	09/27/2018

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Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Ashwin Ranna

Site Representative: Ashwin Ranna

Arrive at Site: 0700hrs. Leave Site: 1500hrs.

Contractor: Recon

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Partly Cloudy	Am	Cloudy	Pm
Temperature:	53° F	Am	72° F	Pm
Wind Direction:	Calm	Am	3 Variable	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☐	N/A ☒
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 101 Project File: MN0832D Date: 09/27/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 543

Weight: ~24 tons/each Total Weight to date: ~12951 Tons (Based on facility weight tickets)

Non Haz Soil Removal:

Total Loads today: 0 Total Loads to date: 661

Weight: 20-33 tons/each Total Weight to date: 16016 Tons (Based on facility weight tickets)

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 6

Weight: Tons Total Weight to date: 205 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1110

Weight: ~21 Tons/each Total Weight to date: ~22628Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	101	Project File:	MN0832D	Date:	09/27/2018

Summary of Events

AM

- Geosyntec arrived on site at 0700. Attended Recon safety meeting and held Geosyntec safety tailgate. Reviewed work plan for the day. Dust monitors were not deployed as no earthwork was planned today.
- Recon planned to carry out housekeeping activities around the STCC portion of the site and continue demobilizing equipment.
- Recon removed additional item 4 material spread on STCC property and added it to the base material in the MSA.

PM

- Recon ran the compactor on site and sprayed down and cleaned up the road near the MSA.
- Geosyntec locked up the MSA and Recon closed site for day and left at 1500.

DAILY OBSERVATION REPORT

Report No.:	101	Project File:	MN0832D	Date:	09/27/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Larry Hunt
- Rich Tonnucour
- (Recon labor) X5

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- CAT D6K LGP Dozer
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX2
- Ford 5-ton dump - United Rentals
- Cat 336
- Roller

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date (RPL Turnover to ECSD): 8/29/18
Completion Date (MSA Turnover to STCC)

ITEMS OF CONCERN:

Site Representative: Ashwin Ranna

Name (Signature):



Report No.: 101 Project File: MN0832D Date: 09/27/2018

Photo Log
Date : 09/27/2018

	
Scraping up item 4 material under parking area in STCC	Placing liner in MSA prior to spreading item 4 material
	
Spraying down water on road near MSA	Cleaning road near MSA

DAILY OBSERVATION REPORT

Report No.:	101	Project File:	MN0832D	Date:	09/27/2018

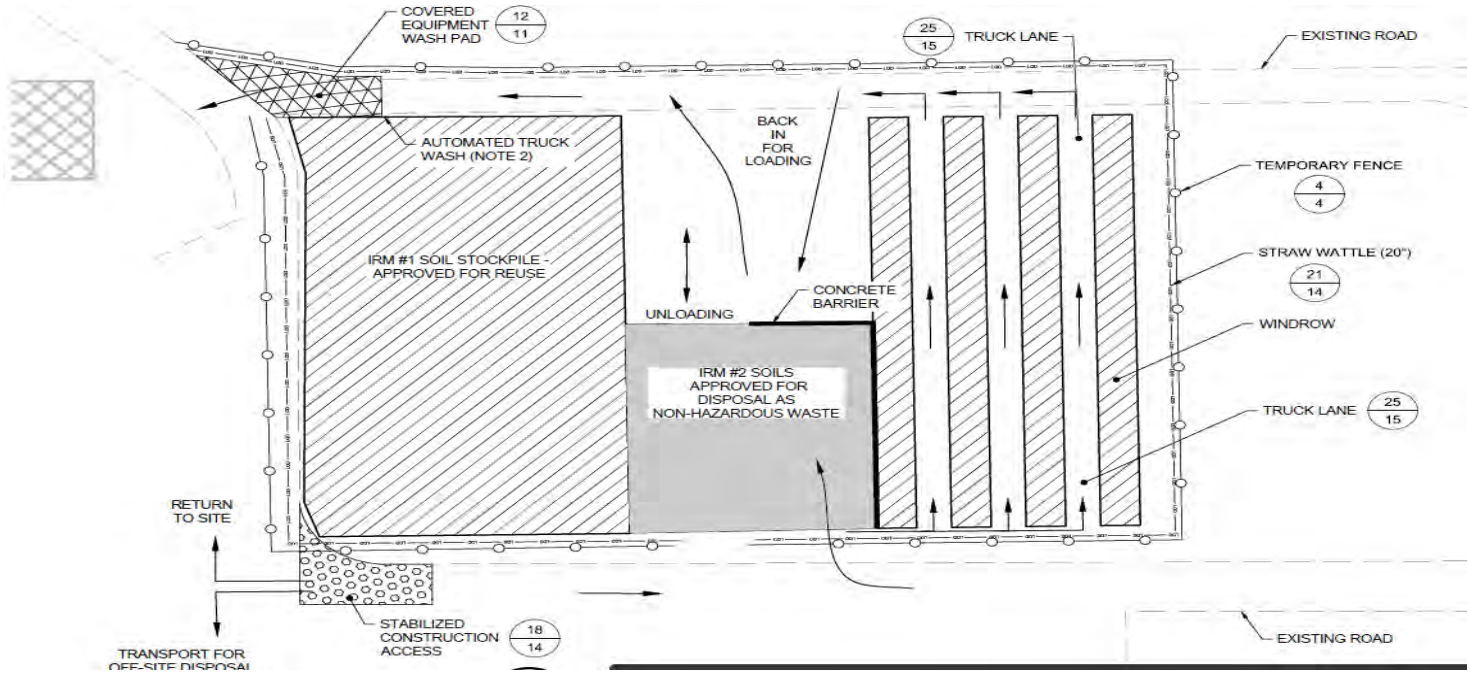
Site Map

Rear Parking Lot



MSA

N



DAILY OBSERVATION REPORT

Report No.:	102	Project File:	MN0832D	Date:	09/28/2018

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Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Ashwin Ranna

Site Representative: Ashwin Ranna

Arrive at Site: 0700hrs. Leave Site: 1200hrs.

Contractor: Recon

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Partly Cloudy	Am	Sunny	Pm
Temperature:	48° F	Am	71° F	Pm
Wind Direction:	Calm	Am	4 Variable	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☐	N/A ☒
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 102 Project File: MN0832D Date: 09/28/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 543

Weight: ~24 tons/each Total Weight to date: ~12951Tons (Based on facility weight tickets)

Non Haz Soil Removal:

Total Loads today: 0 Total Loads to date: 661

Weight: 20-33 tons/each Total Weight to date: 16016 Tons (Based on facility weight tickets)

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 6

Weight: Tons Total Weight to date: 205 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1110

Weight: ~21 Tons/each Total Weight to date: ~22628Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 0

Weight: 0 Tons Total Weight to date: 0 Tons

Report No.:	102	Project File:	MN0832D	Date:	09/28/2018

Summary of Events

AM

- Geosyntec arrived on site at 0700. Attended Recon safety meeting and held Geosyntec safety tailgate. Reviewed work plan for the day. Dust monitors were not deployed as no earthwork was planned today.
- Recon planned to carry out housekeeping activities around the STCC portion of the site and continue demobilizing equipment.
- Recon emptied the water from the frac tanks and shipped 4000 Gallons of Water offsite. Clean water frac tank was shifted outside the MSA.
- Recon carried out the frac tank cleaning and all personnel left site at 1130.
- Samples were collected for characterizing the sludge at the bottom of the dirty water frac tank.
- Geosyntec shut down site and left at 1200.

PM

-

DAILY OBSERVATION REPORT

Report No.:	102	Project File:	MN0832D	Date:	09/28/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Larry Hunt
- Rich Tonnucour
- (Recon labor) X5

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- CAT D6K LGP Dozer
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX2
- Ford 5-ton dump - United Rentals
- Cat 336
- Roller

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date: 8/24/18

ITEMS OF CONCERN:

Site Representative: Ashwin Ranna

Name (Signature):



Report No.: 102 Project File: MN0832D Date: 09/28/2018

Photo Log
Date : 09/28/2018



Emptying Frac tanks



Preparing to clean out the Frac tanks



Equipment prepared for demobilization



Shifting frac tanks for demobilization.

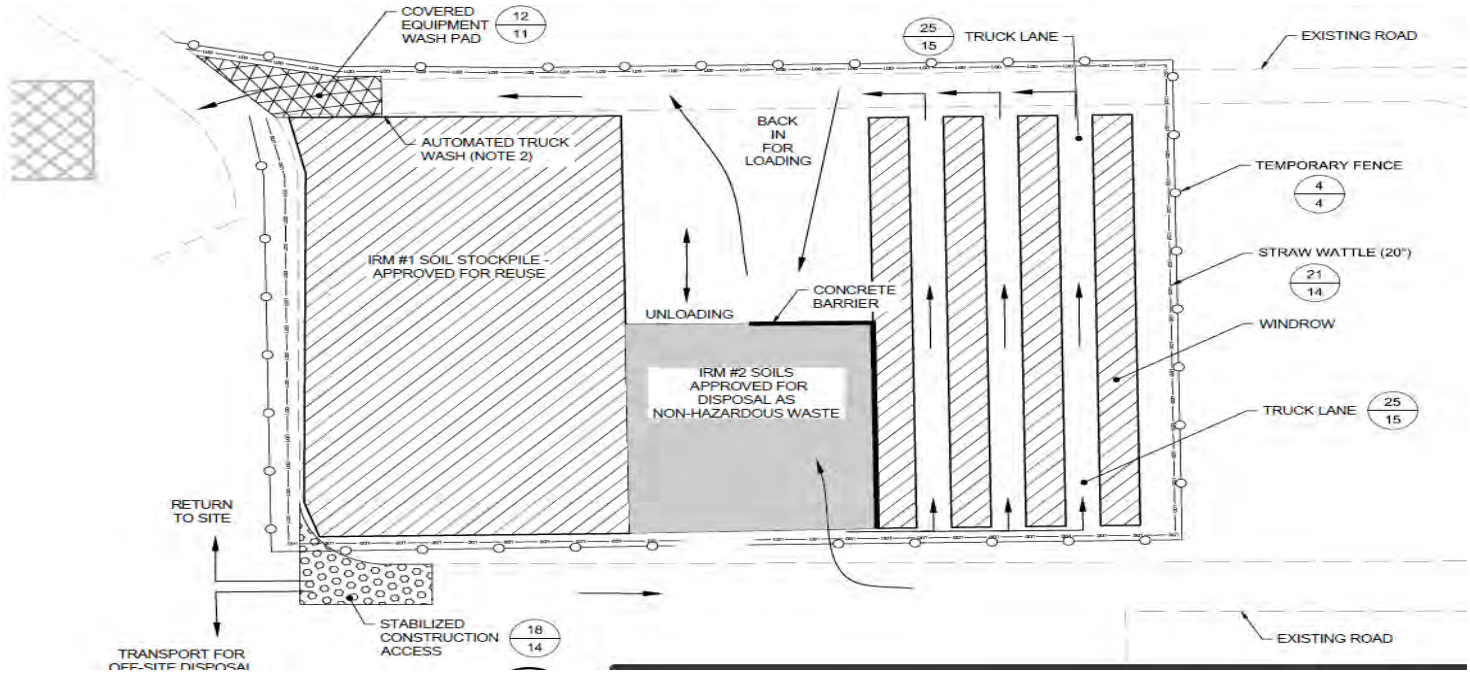
Report No.:	102	Project File:	MN0832D	Date:	09/28/2018

Site Map

Rear Parking Lot



MSA



DAILY OBSERVATION REPORT

Report No.:	103	Project File:	MN0832D	Date:	10/03/2018

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Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Ashwin Ranna

Site Representative: Ashwin Ranna

Arrive at Site: 0645hrs. Leave Site: 1915hrs.

Contractor: Recon

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Overcast Cloudy	Am	Sunny	Pm
Temperature:	55° F	Am	67° F	Pm
Wind Direction:	Calm	Am	4 Variable	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 103 Project File: MN0832D Date: 10/03/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 543

Weight: ~24 tons/each Total Weight to date: ~12951Tons (Based on facility weight tickets)

Non Haz Soil Removal:

Total Loads today: 0 Total Loads to date: 661

Weight: 20-33 tons/each Total Weight to date: 16016.13Tons (Based on facility weight tickets)

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 6

Weight: Tons Total Weight to date: 205 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1110

Weight: ~21 Tons/each Total Weight to date: ~22628Tons

Imported Screened Topsoil:

Total Loads today: 6 Total Loads to date: 7

Weight: 20 Tons Total Weight to date: 140 Tons

DAILY OBSERVATION REPORT

Report No.:	103	Project File:	MN0832D	Date:	10/03/2018

Summary of Events

AM

- Geosyntec arrived on site at 0645. Attended Recon safety meeting and held Geosyntec safety tailgate. Reviewed work plan for the day. Calibrated the dust monitors.
- Recon planned to spread topsoil and stabilize the soft spots in the RPL.
- Recon scraped up the piles of concrete wash out material left by the school contractor into the roll off bin between 07000 and 0800.
- Recon stopped work from 0800 to 0845 to allow buses to move around site.
- Recon removed the asphalt from the identified soft spots and unloaded the lime kiln dust within the RPL.
- Recon excavated down to 2' and mixed in the lime kiln dust within the excavation.
- A second roll off bin was brought to site at 1030.
- A geogrid fabric was placed prior to replacing the soil.
- ATL was on site at 1030 and Recon started compacting the soil
- Amanda Castignetti from Sterling was on site and observed some of the stabilization activities in the AM.

PM

- 6 trucks of topsoil were brought to site and material was spread and levelled across the edges of the asphalt within the RPL.
- Recon continued working till 1430 and took a break for the buses between 1445 and 1530 for lunch.
- Recon continued stabilization activities till 1900.
- Recon shut down site activities and demobilized and Geosyntec collected dust monitoring data and left site at 1915.

Report No.:	103	Project File:	MN0832D	Date:	10/03/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Larry Hunt
- Rich Tonnucour
- Denver Tyler (ATL)
- (Recon labor) X5

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX1
- Ford 5-ton dump - United Rentals
- Miniexcavator
- Front Loader.

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Amanda Castignetti	Sterling	NA
Rob Levey	NYSEG	NA

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date (RPL Turnover to ECSD): 8/29/18
Completion Date (MSA Turnover to STCC) TBD

ITEMS OF CONCERN:

Site Representative: Ashwin Ranna

Name (Signature):



Report No.: 103 Project File: MN0832D Date: 10/03/2018

Photo Log
Date : 10/03/2018

	
Filling up concrete wash out material into the roll off bin	Tearing out the asphalt material in the soft spots
	
Placing geogrid in after removing material	Backfilled excavation.

Report No.:	103	Project File:	MN0832D	Date:	10/03/2018

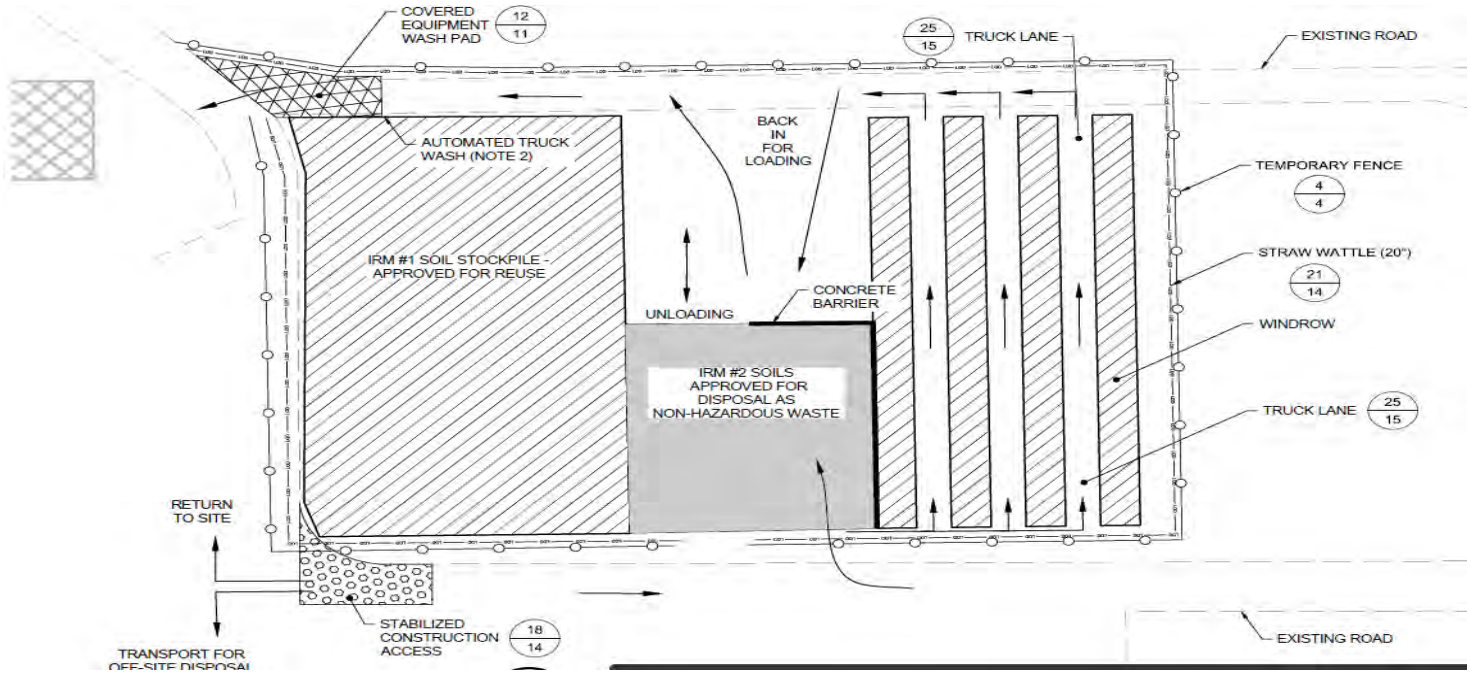
Site Map

Rear Parking Lot



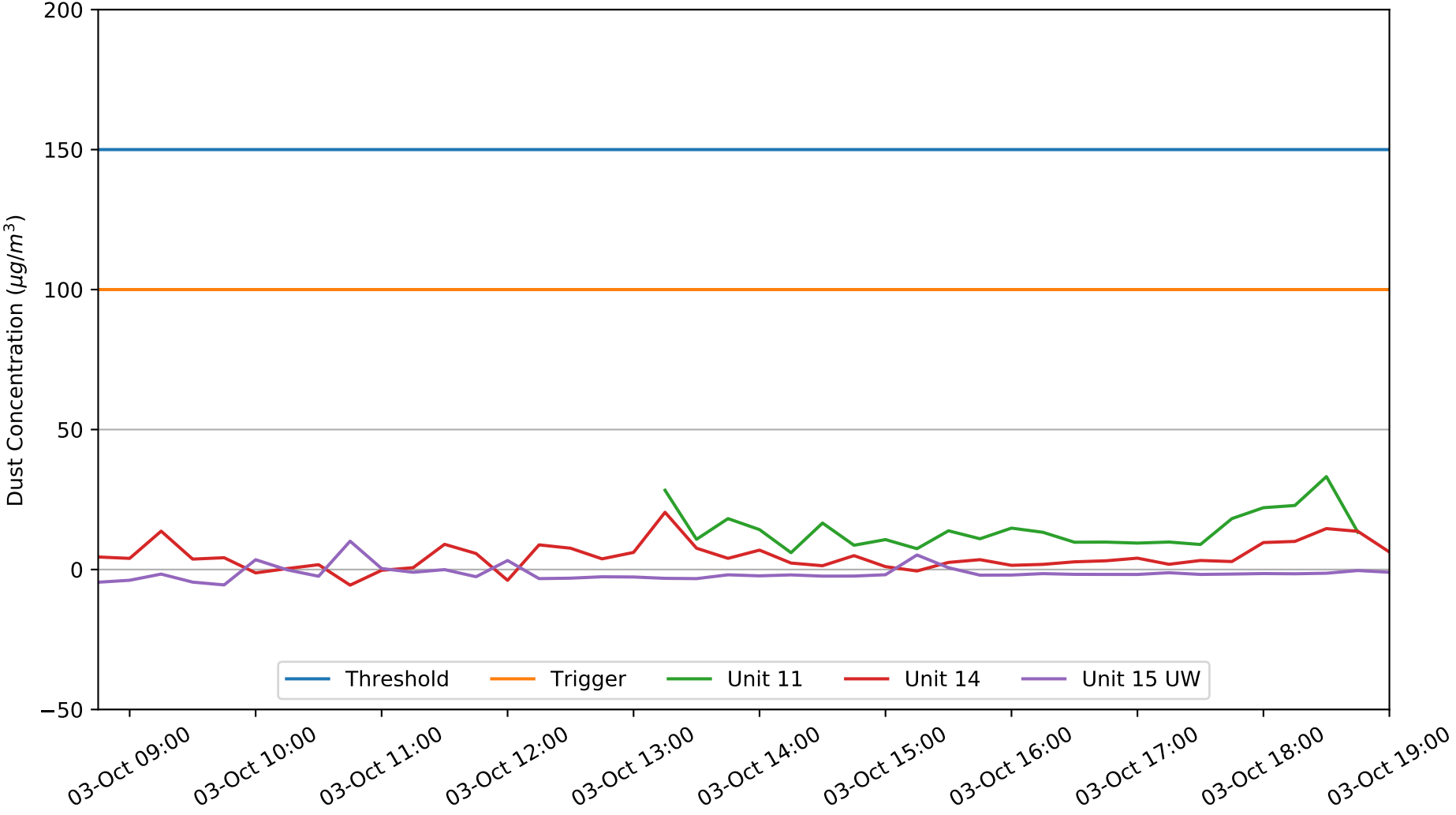
MSA

N



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 03-Oct-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 03-Oct-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 15 UW	Unit 11	Unit 14	Threshold	Trigger
2018-10-03 08:45:00	-4.53		4.48	150	100
2018-10-03 09:00:00	-3.84		3.98	150	100
2018-10-03 09:15:00	-1.63		13.71	150	100
2018-10-03 09:30:00	-4.5		3.72	150	100
2018-10-03 09:45:00	-5.5		4.22	150	100
2018-10-03 10:00:00	3.51		-1.2	150	100
2018-10-03 10:15:00	-0.11		0.33	150	100
2018-10-03 10:30:00	-2.41		1.73	150	100
2018-10-03 10:45:00	10.13		-5.58	150	100
2018-10-03 11:00:00	0.35		-0.28	150	100
2018-10-03 11:15:00	-0.98		0.65	150	100
2018-10-03 11:30:00	-0.04		9.01	150	100
2018-10-03 11:45:00	-2.57		5.72	150	100
2018-10-03 12:00:00	3.22		-3.87	150	100
2018-10-03 12:15:00	-3.25		8.81	150	100
2018-10-03 12:30:00	-3.09		7.61	150	100
2018-10-03 12:45:00	-2.59		3.81	150	100
2018-10-03 13:00:00	-2.67		6.11	150	100
2018-10-03 13:15:00	-3.15	28.31	20.45	150	100
2018-10-03 13:30:00	-3.25	10.79	7.61	150	100
2018-10-03 13:45:00	-1.89	18.19	3.99	150	100
2018-10-03 14:00:00	-2.26	14.25	6.93	150	100
2018-10-03 14:15:00	-1.92	6.01	2.31	150	100
2018-10-03 14:30:00	-2.36	16.61	1.36	150	100
2018-10-03 14:45:00	-2.34	8.67	4.96	150	100
2018-10-03 15:00:00	-1.86	10.69	1.03	150	100
2018-10-03 15:15:00	5.2	7.44	-0.52	150	100
2018-10-03 15:30:00	0.65	13.84	2.54	150	100
2018-10-03 15:45:00	-2.01	10.98	3.52	150	100
2018-10-03 16:00:00	-1.97	14.79	1.5	150	100
2018-10-03 16:15:00	-1.46	13.3	1.84	150	100
2018-10-03 16:30:00	-1.72	9.75	2.75	150	100
2018-10-03 16:45:00	-1.75	9.8	3.12	150	100
2018-10-03 17:00:00	-1.76	9.44	4.06	150	100
2018-10-03 17:15:00	-1.14	9.82	1.87	150	100
2018-10-03 17:30:00	-1.75	8.94	3.23	150	100
2018-10-03 17:45:00	-1.62	18.19	2.85	150	100
2018-10-03 18:00:00	-1.44	22.08	9.64	150	100
2018-10-03 18:15:00	-1.52	22.88	10.04	150	100
2018-10-03 18:30:00	-1.32	33.19	14.62	150	100
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4, 11.99, 29.9, 33, 740, 00 , 14:14:26, 03-Oct-2018
5, 4.09, 30.0, 32, 740, 00 , 14:29:26, 03-Oct-2018
6, 14.25, 30.3, 33, 740, 00 , 14:44:26, 03-Oct-2018
7, 6.33, 30.5, 26, 740, 00 , 14:59:26, 03-Oct-2018
8, 8.83, 30.5, 30, 740, 00 , 15:14:26, 03-Oct-2018
9, 12.64, 30.5, 31, 740, 00 , 15:29:26, 03-Oct-2018
10, 14.49, 30.8, 27, 740, 00 , 15:44:26, 03-Oct-2018
11, 8.97, 31.3, 22, 740, 00 , 15:59:26, 03-Oct-2018
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42, 5.28, 23.9, 29, 742, 00 , 19:00:03, 03-Oct-2018

DAILY OBSERVATION REPORT

Report No.:	104	Project File:	MN0832D	Date:	10/04/2018

Geosyntec consultants

engineers | scientists | innovators

Beech and Bonaparte engineering p.c.

an affiliate of Geosyntec Consultants

Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Ashwin Ranna

Site Representative: Ashwin Ranna

Arrive at Site: 0645hrs. Leave Site: 1600hrs.

Contractor: Recon

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Overcast Cloudy and rain	Am	Rainy to Sunny	Pm
Temperature:	42° F	Am	73° F	Pm
Wind Direction:	Calm	Am	Calm	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 104 Project File: MN0832D Date: 10/04/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 543

Weight: ~24 tons/each Total Weight to date: ~12951Tons (Based on facility weight tickets)

Non Haz Soil Removal:

Total Loads today: 0 Total Loads to date: 661

Weight: 20-33 tons/each Total Weight to date: 16016.13Tons (Based on facility weight tickets)

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 6

Weight: Tons Total Weight to date: 205 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1110

Weight: ~21 Tons/each Total Weight to date: ~22628Tons

Imported Screened Topsoil:

Total Loads today: 6 Total Loads to date: 7

Weight: 20 Tons Total Weight to date: 140 Tons

DAILY OBSERVATION REPORT

Report No.:	104	Project File:	MN0832D	Date:	10/04/2018

Summary of Events

AM

- Geosyntec arrived on site at 0645. Attended Recon safety meeting and held Geosyntec safety tailgate. Reviewed work plan for the day. Calibrated the dust monitors.
- Recon continued stabilization activities throughout the day. Recon stopped work when buses arrived.
- ATL technician arrived on site at 1000.
- Rain began on site at 1130. Work was paused till the rain passed. Recon broke for lunch.
- Silt socks were delivered to site to complete stabilization of the MSA.
- Dust monitors were collected when rain began.
- Recon abandoned MW-42.

PM

- Rain began again at 1430. Recon completed backfilling the material and compaction will be completed tomorrow to allow moisture to stabilize.
- Recon shut down site activities and demobilized and Geosyntec collected dust monitoring data and left site at 1615.

DAILY OBSERVATION REPORT

Report No.:	104	Project File:	MN0832D	Date:	10/04/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Larry Hunt
- Rich Tonnucour
- Denver Tyler (ATL)
- (Recon labor) X4

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX1
- Ford 5-ton dump - United Rentals
- Miniexcavator
- Front Loader.

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date (RPL Turnover to ECSD): 8/29/18
Completion Date (MSA Turnover to STCC) TBD

ITEMS OF CONCERN:

Site Representative: Ashwin Ranna

Name (Signature):



Report No.: 104 Project File: MN0832D Date: 10/04/2018

Photo Log
Date : 10/04/2018



Removing asphalt



Abandoning well MW-42



Mixing Lime Kiln dust



Compacting Stabilized soil.

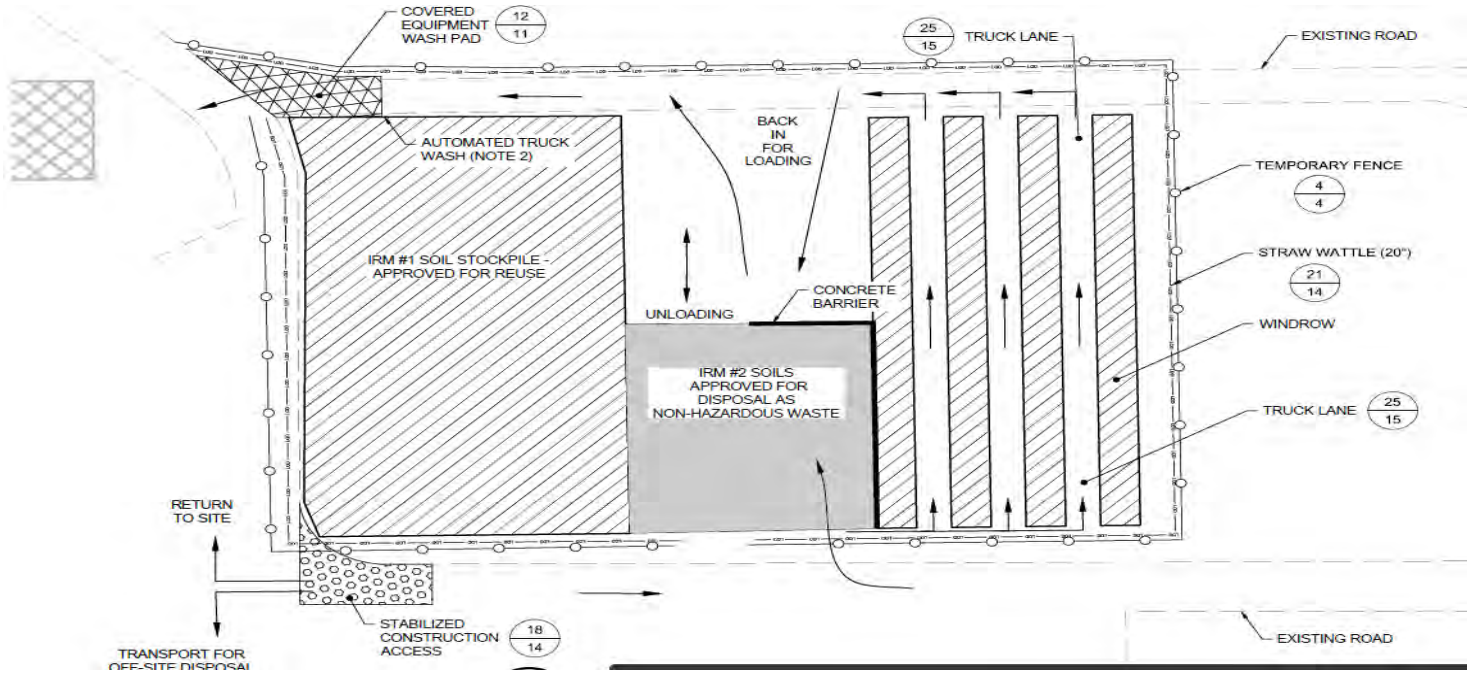
Report No.:	104	Project File:	MN0832D	Date:	10/04/2018

Site Map

Rear Parking Lot

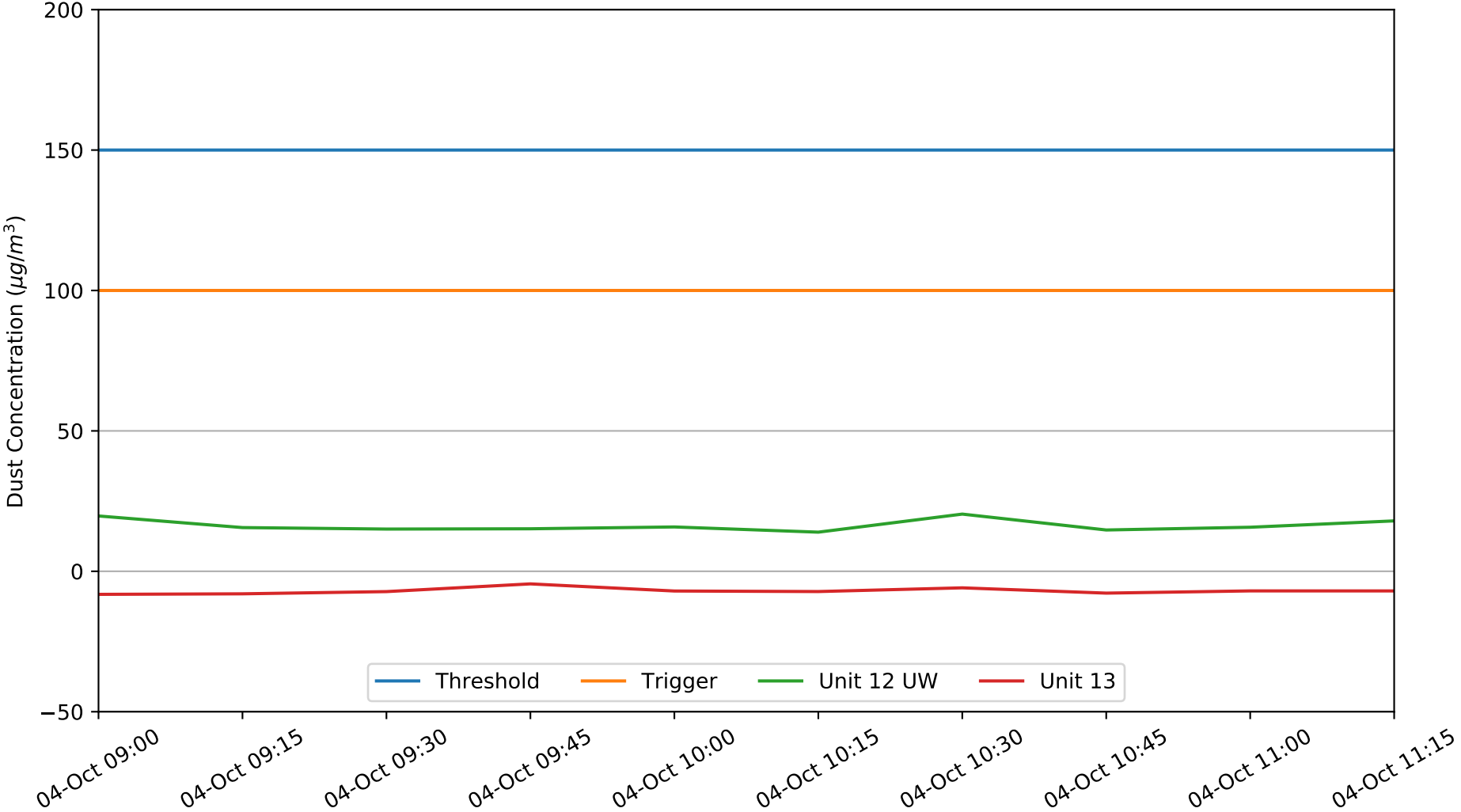


MSA



Dust Monitoring Summaries
IRM RPL Area MN0832D
Date: 04-Oct-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
RPL 04-Oct-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 13	Unit 12 UW	Threshold	Trigger
2018-10-04 09:00:00	-8.21	19.7	150	100
2018-10-04 09:15:00	-8.02	15.57	150	100
2018-10-04 09:30:00	-7.23	15.04	150	100
2018-10-04 09:45:00	-4.48	15.14	150	100
2018-10-04 10:00:00	-7.02	15.79	150	100
2018-10-04 10:15:00	-7.21	13.94	150	100
2018-10-04 10:30:00	-5.89	20.37	150	100
2018-10-04 10:45:00	-7.77	14.71	150	100
2018-10-04 11:00:00	-6.98	15.69	150	100
2018-10-04 11:15:00	-6.99	17.95	150	100

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"Avg point ", 16.392021
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DAILY OBSERVATION REPORT

Report No.:	105	Project File:	MN0832D	Date:	10/05/2018

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Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Ashwin Ranna

Site Representative: Ashwin Ranna

Arrive at Site: 0700hrs. Leave Site: 1600hrs.

Contractor: Recon

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Overcast Cloudy	Am	Sunny	Pm
Temperature:	43° F	Am	66° F	Pm
Wind Direction:	Calm	Am	Calm	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☐	N/A ☒
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 105 Project File: MN0832D Date: 10/05/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 543

Weight: ~24 tons/each Total Weight to date: ~12951Tons (Based on facility weight tickets)

Non Haz Soil Removal:

Total Loads today: 0 Total Loads to date: 661

Weight: 20-33 tons/each Total Weight to date: 16016.13Tons (Based on facility weight tickets)

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 6

Weight: Tons Total Weight to date: 205 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1110

Weight: ~21 Tons/each Total Weight to date: ~22628Tons

Imported Screened Topsoil:

Total Loads today: 7 Total Loads to date: 8

Weight: 20 Tons Total Weight to date: 160 Tons

DAILY OBSERVATION REPORT

Report No.:	105	Project File:	MN0832D	Date:	10/05/2018

Summary of Events

AM

- Geosyntec arrived on site at 0645. Attended Recon safety meeting and held Geosyntec safety tailgate. Reviewed work plan for the day. Calibrated the dust monitors.
- Recon continued stabilization activities throughout the day. Recon stopped work when buses arrived.
- ATL technician arrived on site at 0730. Compaction tests were taken on remaining stabilized areas after Recon scraped off the excess material in preparation for asphalting. Excess material was sent to the MSA.
- After confirming compaction had been achieved, asphalt was placed on top of the stabilized soil.
- Silt socks were placed around the shifted perimeter of the MSA.
- Recon brought in topsoil and placed it down in the North East area after the school contractor removed the construction materials stored there.

PM

- Dom Insogna from EHS came to site to inspect work progress. Geosyntec Returned the school keys.
- Recon began to level out the area behind the canopy in preparation for placing topsoil on it.
- Recon shut down site activities and demobilized and Geosyntec collected dust monitoring data and left site at 1615.

DAILY OBSERVATION REPORT

Report No.:	105	Project File:	MN0832D	Date:	10/05/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Larry Hunt
- Rich Tonnucour
- Denver Tyler (ATL)
- (Recon labor) X4

Equipment and Materials:

- Kobelco Excavator
- Cat 938M Front-End Loader
- Generator
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX1
- Ford 5-ton dump - United Rentals
- Miniexcavator
- Front Loader.

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone
Dom Insogna	EHS	NA

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date (RPL Turnover to ECSD): 8/29/18
Completion Date (MSA Turnover to STCC) TBD

ITEMS OF CONCERN:

Dust monitors malfunctioned, and data could not be downloaded.

Site Representative: Ashwin Ranna

Name (Signature):



Report No.: 105 Project File: MN0832D Date: 10/05/2018

Photo Log
Date : 10/05/2018



Removing excess stabilized material



Asphalt paving stabilized surfaces



Preparing to level out the area behind canopy for topsoil



Completed asphalt pavings

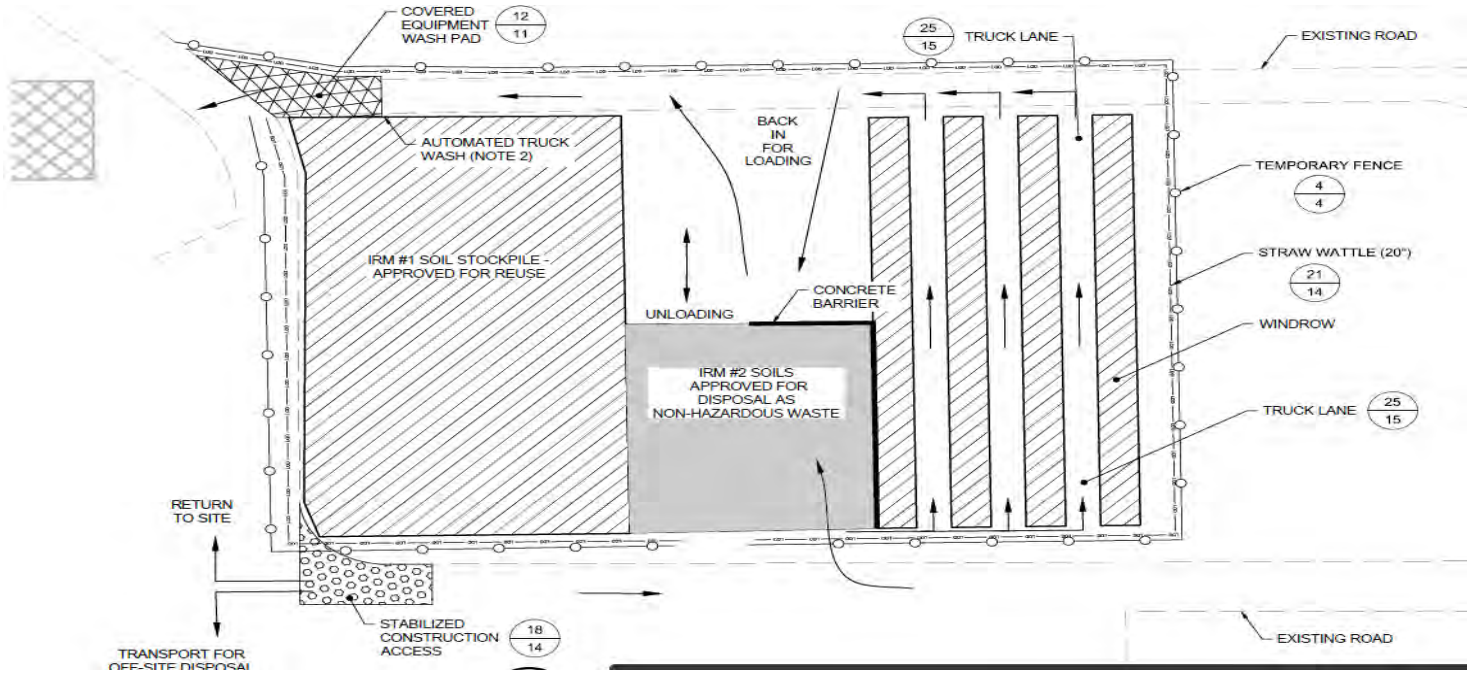
Report No.:	105	Project File:	MN0832D	Date:	10/05/2018

Site Map

Rear Parking Lot



MSA



DAILY OBSERVATION REPORT

Report No.:	106	Project File:	MN0832D	Date:	10/12/2018

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Site Location: Former Sperry Remington Site N

PM: Aron Krasnopoler

CQA Representative: Ashwin Ranna

Site Representative: Ashwin Ranna

Arrive at Site: 0645hrs. Leave Site: 1530hrs.

Contractor: Recon

Health & Safety: Ashwin Ranna

Weather and Site Conditions

General Description:	Overcast Windy	Am	Partly Sunny	Pm
Temperature:	42° F	Am	60° F	Pm
Wind Direction:	6 Variable	Am	8 NNW	Pm

HEALTH & SAFETY:

If any box(es) below are checked "Yes", list the deviation under the "Items for Concern" section of this report

Were there any changes to the Health & Safety Plan?		*Yes ☐	No ☒	N/A ☐
Were there any exceedances of the perimeter action levels on this date?	Air:	*Yes ☐	No ☒	N/A ☐
Were there any Noise /Vibration exceedances on this date?	Noise:	*Yes ☐	No ☒	N/A ☐
	Vibration:	*Yes ☐	No ☒	N/A ☐
Were there any breaches to containment structures or silt curtains reported or observed on this date?		*Yes ☐	No ☒	N/A ☐
Were there any dust/odor issues reported or observed by EEEPC on this date?		*Yes ☐	No ☒	N/A ☐

WASTE HAULING:

If any box below is checked "Yes", list the deviation under the "Items of Concern" section of this report

Were there any vehicles which were not decontaminated prior to exiting the work site?	*Yes ☐	No ☒	N/A ☐

Report No.: 106 Project File: MN0832D Date: 10/12/2018

Materials Imported and Removed from Work Areas

TSCA Soil Removal:

Total Loads today: 0 Total Loads to date: 543

Weight: ~24 tons/each Total Weight to date: ~12951Tons (Based on facility weight tickets)

Non Haz Soil Removal:

Total Loads today: 3 Total Loads to date: 664

Weight: 20-33 tons/each Total Weight to date: 16076 Tons

Imported #2 (2-3+2) Run of Crusher:

Total Loads today: 0 Total Loads to date: 17

Weight: Tons Total Weight to date: ~334 Tons

Imported #3(3-4) Run of Crusher:

Total Loads today: 0 Total Loads to date: 6

Weight: Tons Total Weight to date: 205 Tons

Imported Common Fill:

Total Loads today: 0 Total Loads to date: ~1110

Weight: ~21 Tons/each Total Weight to date: ~22628Tons

Imported Screened Topsoil:

Total Loads today: 0 Total Loads to date: 9

Weight: ~20 Tons Total Weight to date: 189.87 Tons

Report No.:	106	Project File:	MN0832D	Date:	10/12/2018

Summary of Events

AM

- Geosyntec arrived on site at 0645. Attended Recon safety meeting and held Geosyntec safety tailgate. Reviewed work plan for the day. Calibrated and deployed the dust monitors.
- Recon prepared to load out the excavated sod material. Trucks were loaded and sent to landfill between 0745 and 1445.
- Recon attempted to activate the water line to the fire hydrant in the parking lot. Pressure tests were carried out, but issues were identified, and line could not be charged.
- Hydroseeding company arrived on site at 0845. Recon carried out hydroseeding in the rear parking lot before the buses arrived and then completed hydroseeding on top of the disturbed areas in the STCC area.

PM

- Geosyntec collected the dust monitoring data and prepared the dust monitoring equipment for demobilization.
- Recon spread out straw matting along the edge of the RPL on top of the hydroseeded area as protection till the grass is established.
- Recon completed deconning the CAT 336 excavator within the MSA and prepared it for demobilization.
- Geosyntec and Recon personnel left site at 1530

DAILY OBSERVATION REPORT

Report No.:	106	Project File:	MN0832D	Date:	10/12/2018

CONTRACTOR/SUBCONTRACTOR EQUIPMENT AND PERSONNEL ON SITE:

Personnel

- Larry Hunt
- (Recon labor) X2
- Hydroseeding X2

Equipment and Materials:

- Generator
- Freightliner 2.5K Water truck
- Adler 21k Frac Tank w/ 3 ContainmentsX1
- CAT 336

VISITORS TO SITE:

Name	Representing	Entered Exclusion/CRZ Zone

PROJECT SCHEDULE:

NTP Date: 6/20/2018
Completion Date (RPL Turnover to ECSD): 8/29/18
Completion Date (MSA Turnover to STCC) TBD

ITEMS OF CONCERN:

Site Representative: Ashwin Ranna

Name (Signature):



Report No.: 106 Project File: MN0832D Date: 10/12/2018

Photo Log
Date : 10/12/2018



Loading out excavated sod material



Pressure testing pipe



Hydroseeding around school building



Straw mat spread on edge of parking lot

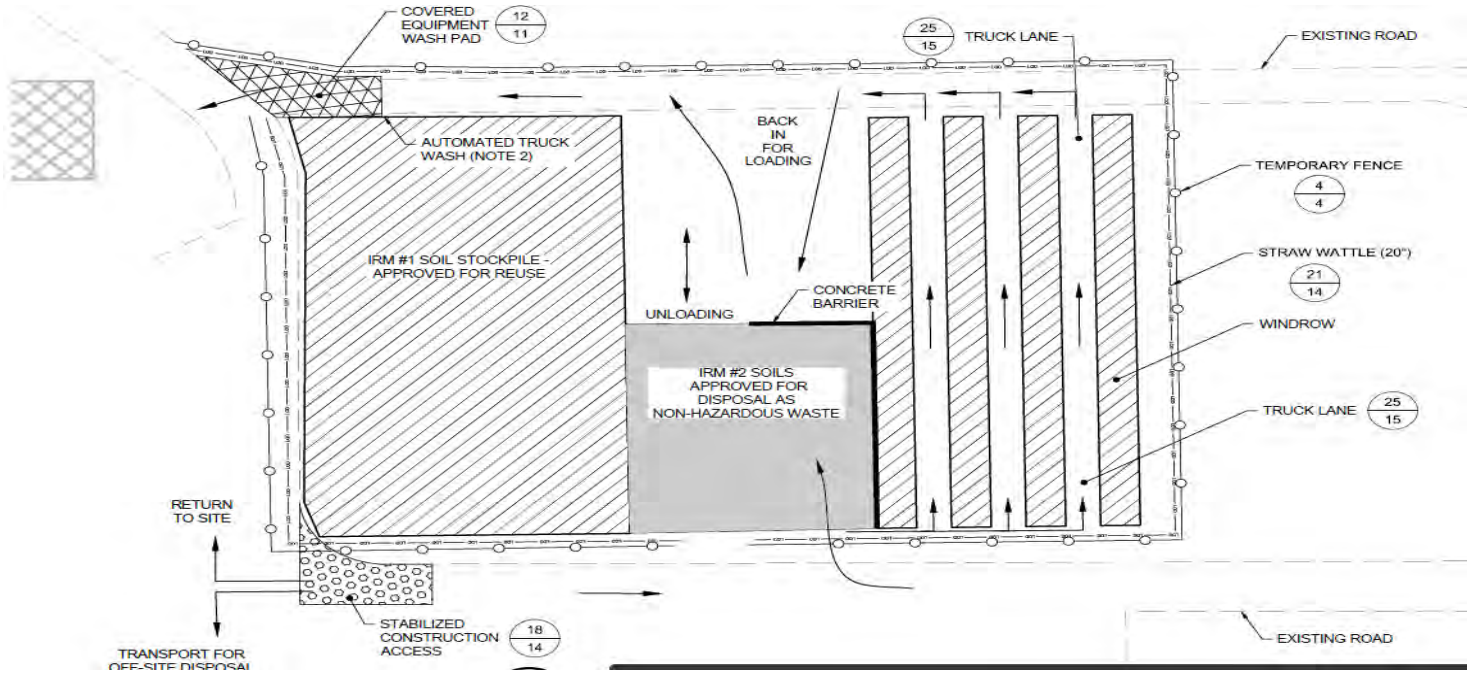
Report No.:	106	Project File:	MN0832D	Date:	10/12/2018

Site Map

Rear Parking Lot

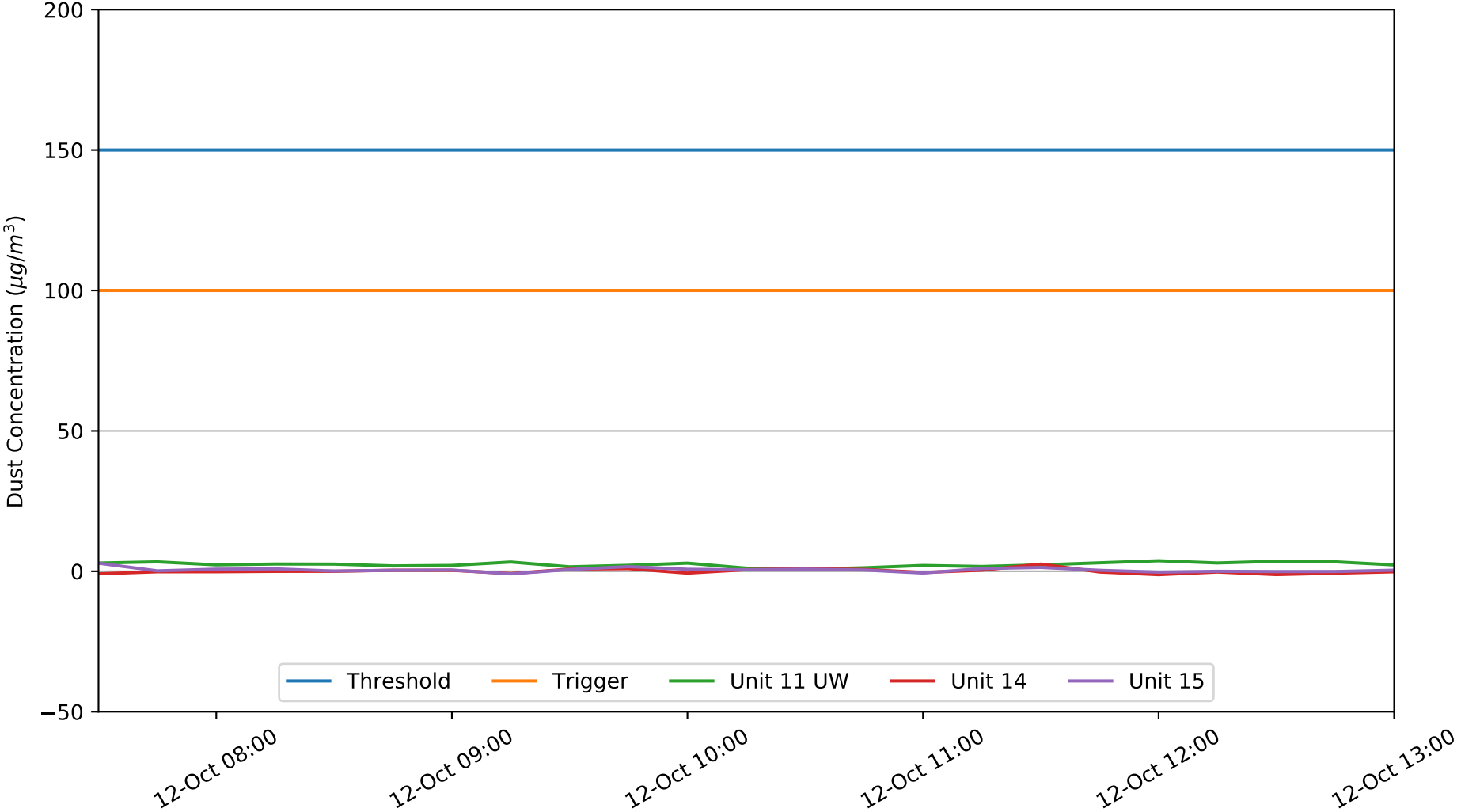


MSA



Dust Monitoring Summaries
IRM MSA Area MN0832D
Date: 12-Oct-2018

NOTE: Readings of upwind monitor are absolute. Readings of remaining monitors indicate difference between upwind readings and downwind readings. Sampling times for each monitor have shifted to the nearest 15-minute increment.



Dust Monitoring Data
MSA 12-Oct-2018
IRM #2
Former Sperry Remington Site - North Portion

Beech and Bonaparte

Datetime	Unit 11 UW	Unit 14	Unit 15	Threshold	Trigger
2018-10-12 07:30:00	2.94	-0.91	2.87	150	100
2018-10-12 07:45:00	3.36	-0.18	0.15	150	100
2018-10-12 08:00:00	2.28	-0.17	0.75	150	100
2018-10-12 08:15:00	2.58	-0.03	0.86	150	100
2018-10-12 08:30:00	2.55	-0.01	0.09	150	100
2018-10-12 08:45:00	1.91	0.37	0.34	150	100
2018-10-12 09:00:00	2.08	0.35	0.44	150	100
2018-10-12 09:15:00	3.3	-0.82	-0.92	150	100
2018-10-12 09:30:00	1.59	0.77	0.63	150	100
2018-10-12 09:45:00	2.12	0.94	1.66	150	100
2018-10-12 10:00:00	2.89	-0.66	0.71	150	100
2018-10-12 10:15:00	1.11	0.58	0.52	150	100
2018-10-12 10:30:00	0.73	0.93	0.76	150	100
2018-10-12 10:45:00	1.24	0.64	0.45	150	100
2018-10-12 11:00:00	2.07	-0.42	-0.63	150	100
2018-10-12 11:15:00	1.7	0.39	0.97	150	100
2018-10-12 11:30:00	2.27	2.56	1.36	150	100
2018-10-12 11:45:00	3.02	-0.26	0.35	150	100
2018-10-12 12:00:00	3.75	-1.21	-0.3	150	100
2018-10-12 12:15:00	2.96	-0.26	-0.01	150	100
2018-10-12 12:30:00	3.56	-1.18	-0.11	150	100
2018-10-12 12:45:00	3.37	-0.68	-0.09	150	100
2018-10-12 13:00:00	2.26	-0.18	0.38	150	100

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20, 2.96, 10.9, 35, 734, 00 , 12:22:49, 12-Oct-2018
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"Max STEL ", 4.865375
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"ALARM ", "INSTANT "
"ALARM_LEVEL(mg) ", 0.100000
"Errors ", 0000
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4, 2.55, 6.7, 52, 736, 00 , 08:22:46, 12-Oct-2018
5, 2.54, 6.4, 53, 736, 00 , 08:37:46, 12-Oct-2018
6, 2.28, 6.2, 53, 736, 00 , 08:52:46, 12-Oct-2018
7, 2.43, 6.2, 54, 736, 00 , 09:07:46, 12-Oct-2018
8, 2.48, 6.2, 54, 736, 00 , 09:22:46, 12-Oct-2018
9, 2.36, 6.2, 53, 736, 00 , 09:37:46, 12-Oct-2018
10, 3.06, 6.2, 52, 736, 00 , 09:52:46, 12-Oct-2018
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12, 1.69, 6.4, 49, 736, 00 , 10:22:46, 12-Oct-2018
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20, 2.70, 9.2, 41, 736, 00 , 12:22:46, 12-Oct-2018
21, 2.38, 10.0, 39, 736, 00 , 12:37:46, 12-Oct-2018
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"RH CORRECT ", "ENABLED "
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"Max STEL @ ", 07:41:46 12-Oct-2018
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"Errors ", 0000
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"FlowRate ", 1.200000
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1, 5.81, 12.3, 53, 734, 03 , 07:39:26, 12-Oct-2018
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4, 3.44, 8.1, 58, 734, 00 , 08:24:26, 12-Oct-2018
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10, 3.78, 7.5, 58, 734, 00 , 09:54:26, 12-Oct-2018
11, 3.60, 7.5, 57, 734, 00 , 10:09:26, 12-Oct-2018
12, 1.63, 7.7, 56, 734, 00 , 10:24:26, 12-Oct-2018
13, 1.49, 8.1, 55, 734, 00 , 10:39:26, 12-Oct-2018
14, 1.69, 8.3, 53, 734, 00 , 10:54:26, 12-Oct-2018
15, 1.44, 8.5, 52, 734, 00 , 11:09:26, 12-Oct-2018
16, 2.67, 9.1, 52, 734, 00 , 11:24:26, 12-Oct-2018
17, 3.63, 9.8, 52, 734, 00 , 11:39:26, 12-Oct-2018
18, 3.37, 10.1, 51, 734, 00 , 11:54:26, 12-Oct-2018
19, 3.45, 10.2, 50, 734, 00 , 12:09:26, 12-Oct-2018
20, 2.95, 10.6, 49, 734, 00 , 12:24:26, 12-Oct-2018
21, 3.45, 11.3, 46, 734, 00 , 12:39:26, 12-Oct-2018
22, 3.28, 11.7, 44, 734, 00 , 12:54:26, 12-Oct-2018
23, 2.64, 11.4, 48, 734, 00 , 13:09:26, 12-Oct-2018