

LANGAN SITE OBSERVATION REPORT – Day 106

CLIENT:	Gowanus Canal LLC and GowCan Owner, LLC	DATE:	Tuesday, January 17, 2023
PROJECT No.:	170295301	WEATHER:	Partly cloudy, 32 to 47 °F Wind: NW @ 1 – 5 mph
PROJECT:	Gowanus Canal Northside	TIME:	06:30 – 18:00
LOCATION:	Brooklyn, New York	BCP SITE ID:	C224080
EQUIPMENT:	Komatsu PC 490 Excavator Junttan PM20/25 Drill Rig Komatsu PC 240 Excavator JLG HC3 Boom Lift Komatsu PC 78 US Excavator APE Model 23.2 Vibratory Hammer Komatsu Wheel Loader Junttan PM20US Drill Rig		

OBSERVATIONS, DISCUSSIONS, TEST RESULTS, ETC.:

Langan was on-site to document implementation of the New York State Department of Environmental Conservation (NYSDEC)-approved March 24, 2022 Remedial Action Work Plan (RAWP) for Brownfield Cleanup Program (BCP) Site No. C224080. Site Map 1 presents the Society Brooklyn and Sackett Place developments, which together comprise the BCP site.

Site Activities

- Kingdom exported non-hazardous historic fill from waste characterization cells WC08, WC09, WC10, and WC11 (WC08_COMP_0-5, WC09_COMP_0-5, WC10_COMP_0-5, WC11_COMP_0-5, WC11_COMP_5-10, and WC11_COMP_10-15) using permitted tri-axle trucks for off-site disposal. See material tracking section for details.
- Kingdom exported previously stockpiled construction and demolition (C&D) debris in permitted tri-axle trucks for off-site disposal. See material tracking section for details.
- Kingdom excavated two about 12-foot-long by 6-foot-wide areas to about 15 feet below grade surface (bgs) to install timber lagging as a part of support of excavation (SOE) system in the northern part of Sackett Place. Excavated material consisted of historic fill and soil.
 - Excavated historic fill and soil was screened for odor, staining, and organic vapor using a photoionization detector (PID). Petroleum-like impacts including staining were observed.
 - The excavated historic fill and soil was stockpiled within the excavation in the northern part of Sackett Place and covered with polyethylene sheeting pending future off-site disposal.
- Kingdom excavated an about 75-foot-long by 30-foot-wide area within Remedial Excavation Area No. 4 to about 3 feet bgs (approximately elevation 2 feet NAVD88) in the southern part of Sackett Place. Excavated material consisted of historic fill and impacted timbers.
 - Excavated historic fill was screened for odor, staining, and organic vapor using a PID. Petroleum-like impacts including odor and staining were observed.
 - The excavated historic fill was live loaded into permitted tri-axle trucks for off-site disposal.
 - The excavated timbers were screened for odor, staining, and organic vapor using a PID. Petroleum-like impacts including odor, staining, and a maximum PID reading of 1.6 parts per million (ppm) were observed.
 - The excavated timbers were stockpiled in the southern part of Sackett Place on top of and covered with polyethylene sheeting pending future off-site disposal.

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- Kingdom excavated an about 60-foot-long by 7-foot-wide area to about 5 feet bgs to install formwork in the northeastern part of Society Brooklyn. Excavated material consisted of historic fill.
 - Excavated soil was screened for odor, staining, and organic vapor using a PID. No evidence of impacts were observed
 - The excavated soil was stockpiled in the central part of Society Brooklyn and used as backfill around structural pile cap formwork in the northwestern part of Society Brooklyn.
- Kingdom demolished C&D debris in the southern part of Sackett Place. The C&D debris was added to existing C&D debris stockpiles in the central part of Sackett Place.
- Kingdom backfilled around structural pile cap formwork with previously imported 0.5-inch crushed stone and non-impacted historic fill in the northeastern and northwestern part of Society Brooklyn.
- Kingdom installed formwork for structural pile caps in the northwestern part of Society Brooklyn and northern part of Sackett Place.
- Kingdom placed concrete for a mud slab in the northern part of Sackett Place and southern part of Society Brooklyn.
- Kingdom placed concrete for structural pile caps in the northern part of Sackett Place and northwestern part of Society Brooklyn.
- Kingdom placed previously imported 2.5-inch stone on top of geotextile fabric to repair the stabilized construction entrances in the southwestern part of Society Brooklyn and the northeastern part of Sackett Place.

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Import and Export Tracking

- Kingdom exported 14 truckloads of non-hazardous historic fill from waste characterization cells WC08, WC09, WC10, and WC11 (WC08_COMP_0-5, WC09_COMP_0-5, WC10_COMP_0-5, WC11_COMP_0-5, WC11_COMP_5-10, and WC11_COMP_10-15) to Bayshore Soil Management (BSM) in Keasbey, NJ.
- Kingdom exported 5 truckloads of C&D debris to Faztec Industries in Staten Island, NY.

Soil/Fill Export Summary			
Facility	Exported	Today	Total
Bayshore Soil Management Keasbey, NJ Non-Hazardous Soil/Fill	No. Loads	14	662
	Quantity (CY)	280	13,240
Bayshore Soil Management Keasbey, NJ Non-Hazardous MGP-Impacted Soil/Fill	No. Loads	0	79
	Quantity (CY)	0	1,580

Material Import Summary				
Facility	NYSDEC Approved Quantity (CY)	Imported	Today	Total
Stavola Construction Materials, Inc Bridgewater, NJ 2.5-inch Stone	1,000	No. Loads	0	8
		Quantity (CY)	0	160
87 19th Avenue Astoria, NY 2.5-inch Stone	2,000	No. Loads	0	22
		Quantity (CY)	0	470
Impact Environmental Jersey City, NJ 0.5-inch Crushed Stone	2,000	No. Loads	0	55
		Quantity (CY)	0	1,100
Impact Environmental Lyndhurst, NJ 0.75-inch Stone	4,000	No. Loads	0	7
		Quantity (CY)	0	140

Sampling

- No samples were collected.

Community Air Monitoring

- Langan conducted real-time air monitoring for volatile organic compounds (VOC) and particulate matter smaller than 10 microns in diameter (PM10) at the upwind and downwind perimeters of the work area during ground-intrusive work. VOC and PM10 concentrations did not exceed the action levels established by the community air monitoring plan (CAMP).
 - 15-minute time-weighted-average PM10 concentrations were recorded above the action levels established by the CAMP from 11:35 to 11:47 due to C&D debris demolition proximate to the downwind station. Dust suppression measures were implemented and particulate concentrations returned to below the action levels. Dust was not observed migrating off-site during this time.

Anticipated Activities

- Kingdom will continue to install SOE at Society Brooklyn and Sackett Place.
- Kingdom will continue excavation for structural pile cap installation at Society Brooklyn and Sackett Place.

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Site Photographs:



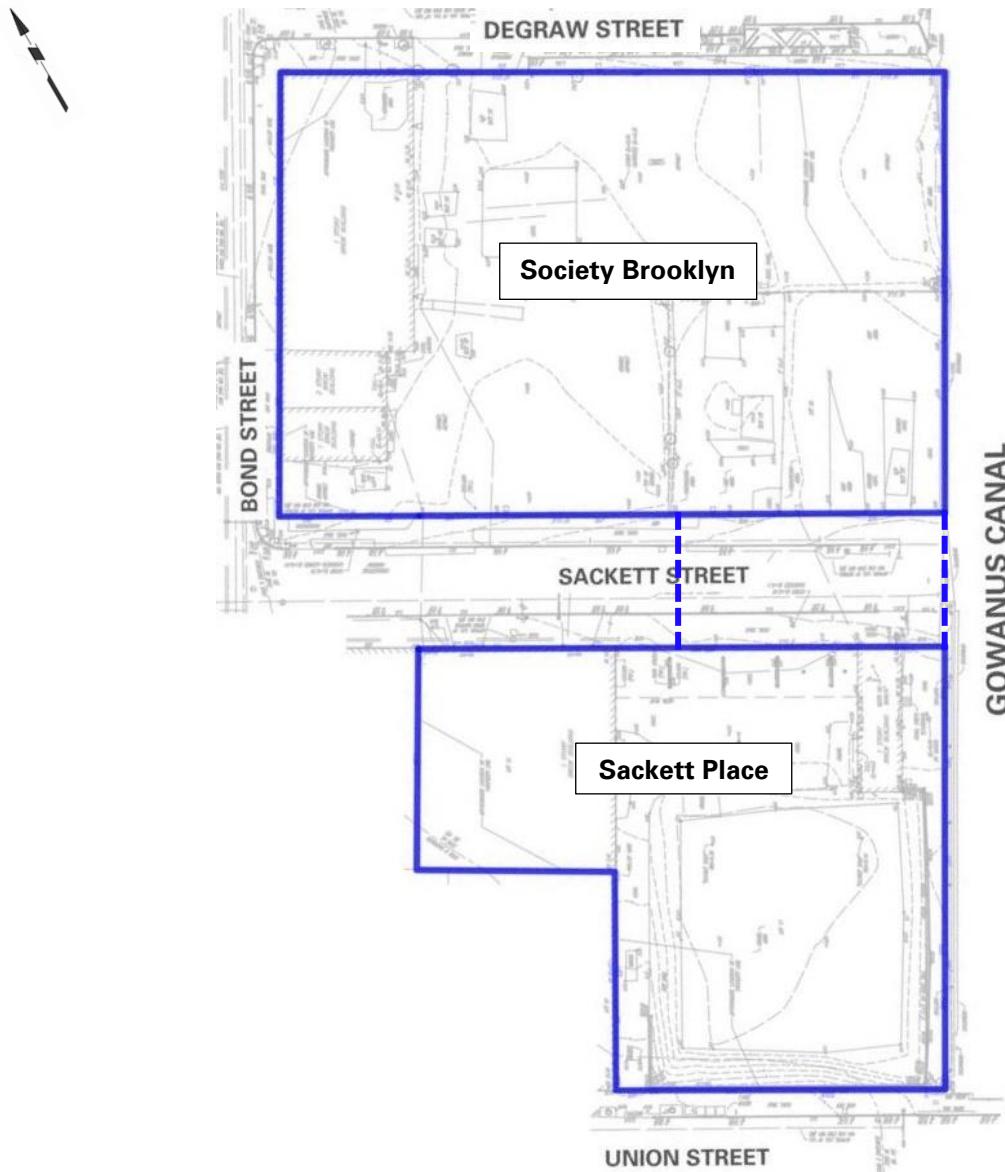
Photo 1: Kingdom exporting non-hazardous soil in a permitted tri-axle truck for off-site disposal from Remedial Excavation No. 4 in the southern part of Sackett Place (facing south)



Photo 2: Kingdom excavating to install formwork in the northwestern part of Society Brooklyn (facing southwest)

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Site Map 1:



Legend

- Approximate BCP site boundary
- - - Approximate construction fence boundary

Notes

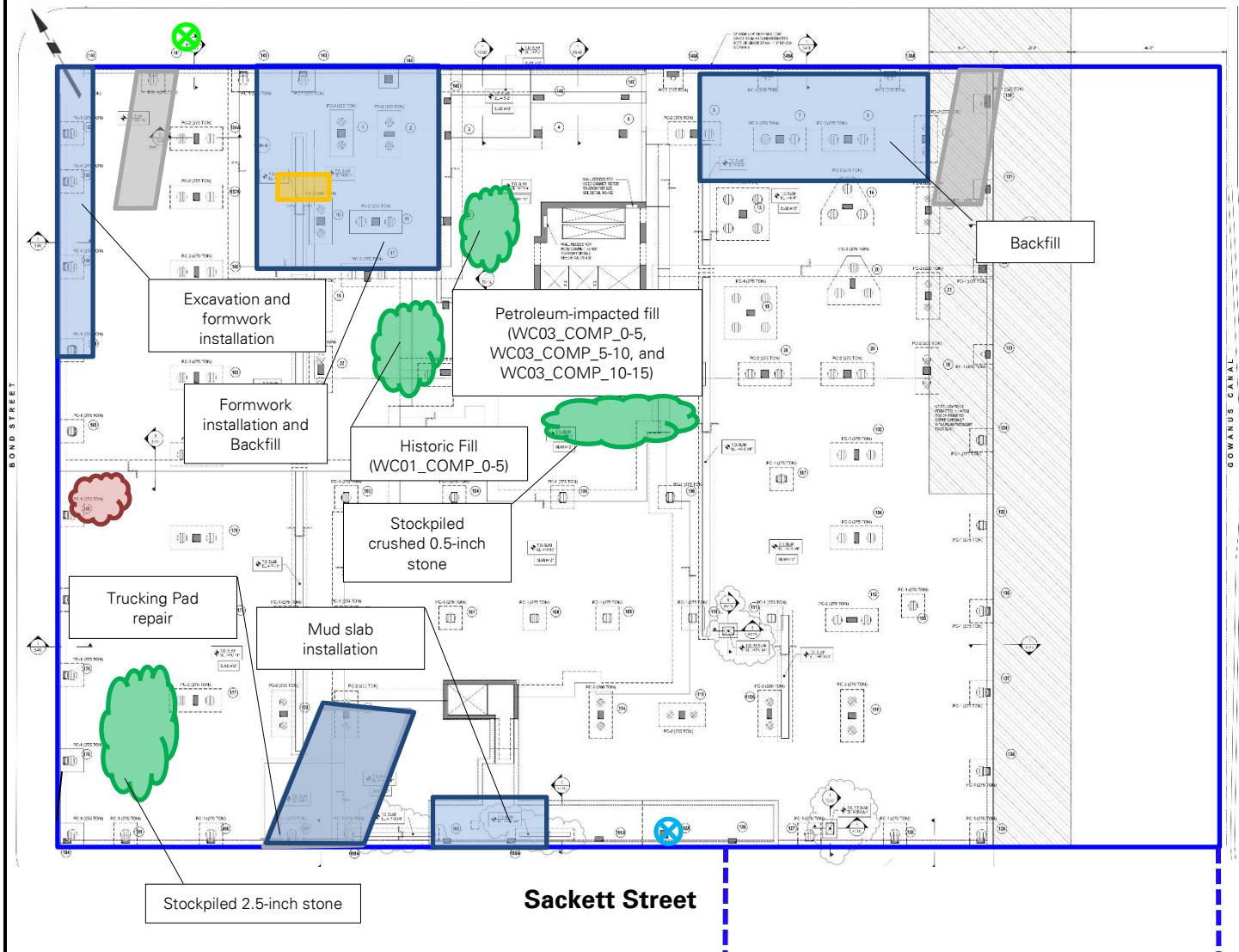
1. Base map adapted from 24 March 2022 RAWP, Figure 2 – Site Plan.
2. This Site Map is provided for context only; refer to the Northern (Society Brooklyn) and Southern (Sackett Place) Work Area Maps on the following pages for work and air monitoring location(s).

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Site Map 2: Northern Work Area Map (Society Brooklyn)

Base map adapted from 1 April 2022 drawing FO-201.00, "Ground Floor Framing Plan" for Society Brooklyn, prepared by DeSimone Consulting Engineers.



Legend:

- Approximate site boundary
- - - Approximate construction fence boundary
- (Green Circle with X) Upwind air monitoring station
- (Blue Circle with X) Downwind air monitoring station
- (Blue Box) Approximate work area
- (Grey Box) Approximate stabilized construction entrance
- (Green Cloud) Approximate soil/fill stockpile location
- (Red Cloud) Approximate C&D debris stockpile location
- (Yellow Box) Approximate location of 20 cubic yard scrap metal container
- (Blue Circle) Approximate location of documentation sample collected today

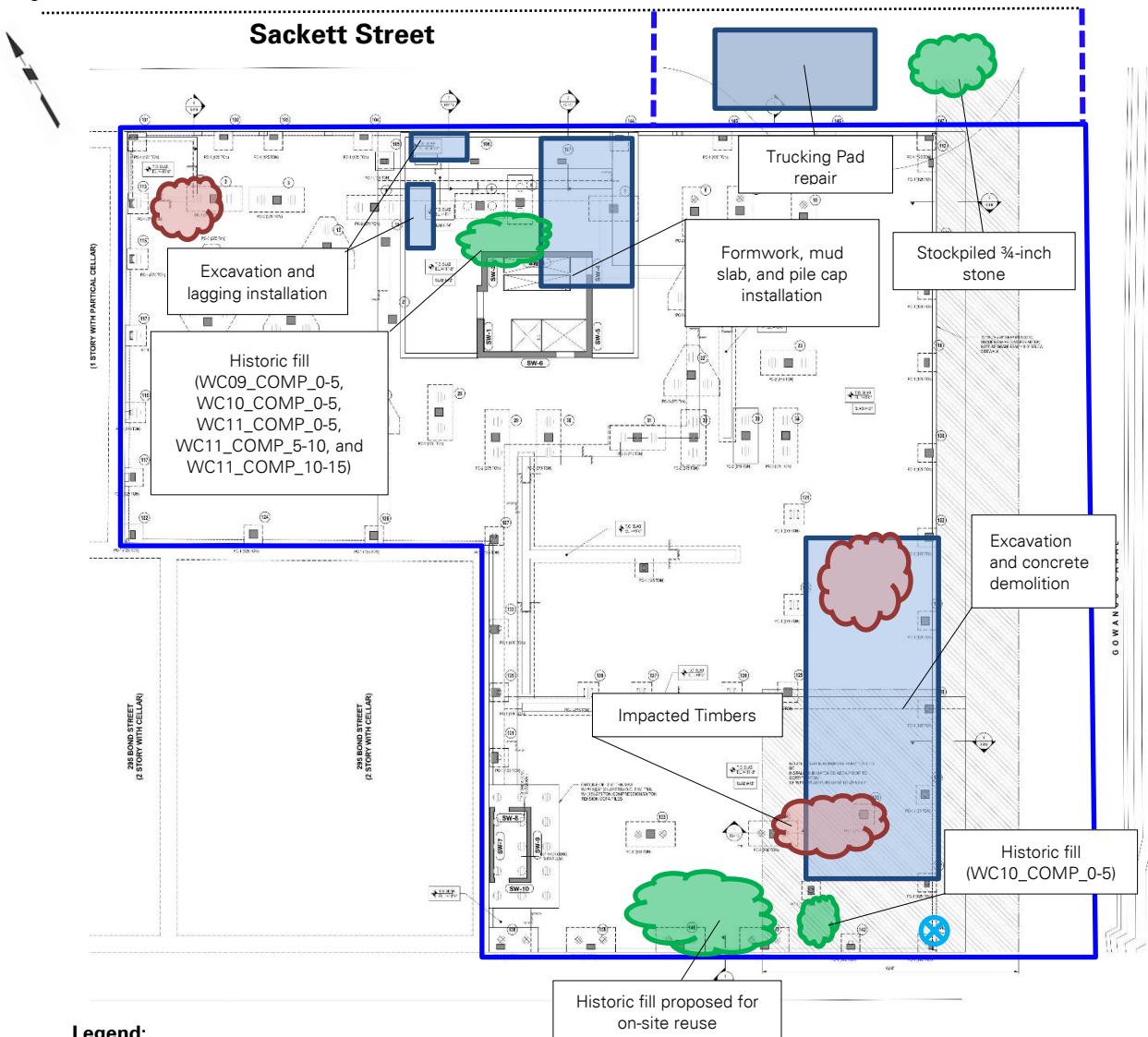
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Site Map 3: Southern Work Area Map (Sackett Place)

Base map adapted from 1 April 2022 drawing FO-201.00, "Ground Floor Framing Plan" for Sackett Place, prepared by DeSimone Consulting Engineers.



Legend:

- Approximate site boundary
- - - Approximate construction fence boundary
- (X) Upwind air monitoring station
- (X) Downwind air monitoring station
- Approximate work area
- Approximate stabilized construction entrance
- Approximate soil/fill stockpile location
- Approximate C&D debris stockpile location

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DAILY AIR MONITORING REPORT
Gowanus Canal Northside
267 Bond Street, Brooklyn, New York

01/17/23

Project number: 170295301

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Rev. No. 0

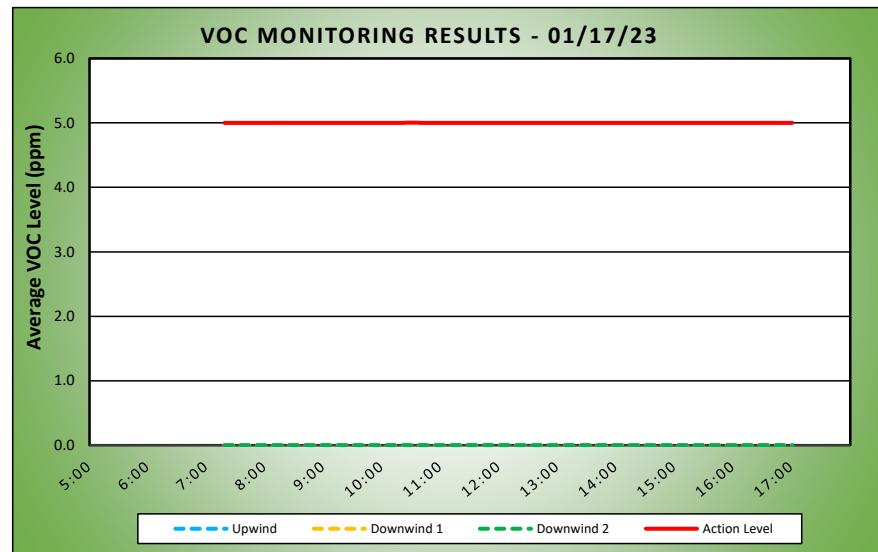
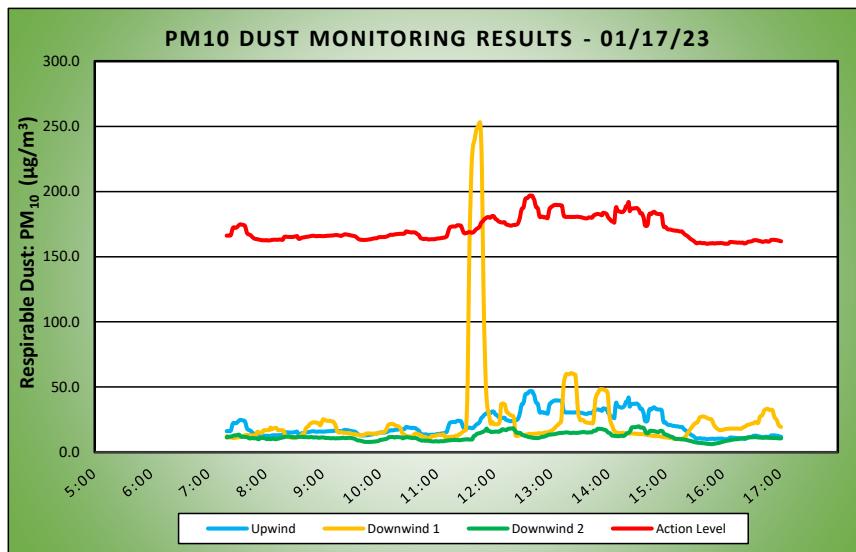
Submitted By:

Dust Action Level 150 $\mu\text{g}/\text{m}^3$

TVOC Action Level 5 ppm

Weather Data Range for Work Day		Wind Direction	SW	Relative Humidity (%)	0.0 - 0.0	Daily Rain (in)	0.02	Readings in the summary table and graphs below are the reported downwind concentrations.
Temp (°F)	32.0 - 47.0	Wind Speed (MPH)	1.1 - 4.8	Barometer (inHg)	0.00 - 0.00			

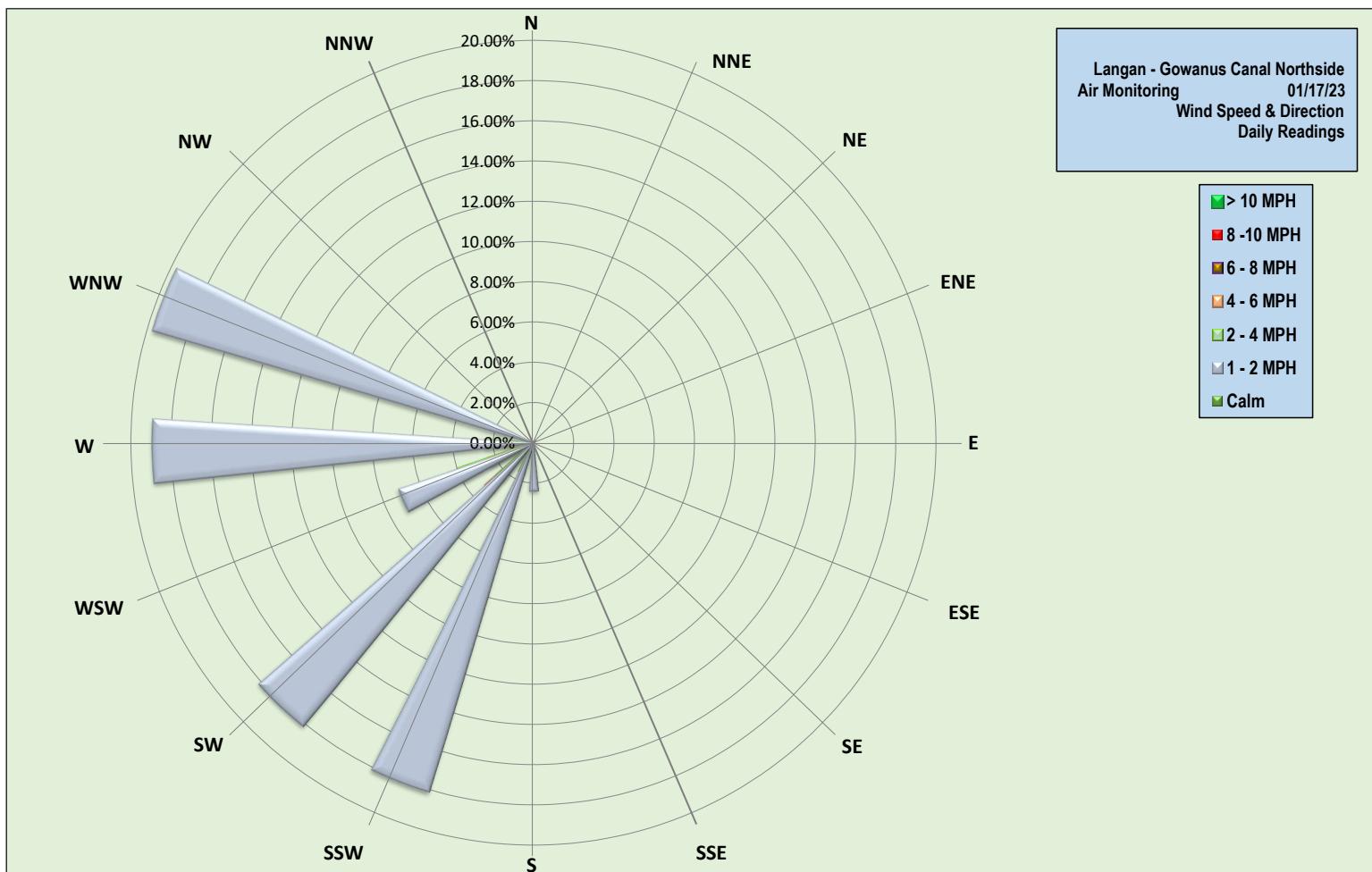
Station Location	Work Area	Daily Avg. Dust Concentration ($\mu\text{g}/\text{m}^3$)	Max 15 Min Dust Concentration ($\mu\text{g}/\text{m}^3$)	Time of Maximum 15 Minute Avg Dust Reading	Daily Avg. VOC Concentration (ppm)	Max 15 Min VOC Concentration (ppm)	Time of Max VOC Reading
	Upwind	20.5	46.9	12:37	0.0	0.0	10:24
	Downwind 1	24.9	253.0	11:45	0.0	0.0	7:19
	Downwind 2	11.9	19.8	14:31	0.0	0.0	7:19



Air Monitoring Notes:

Sampling Notes:

Weather Notes:



Tuesday, January 17, 2023										
Number of Instances Where Downwind Particulates Exceeds Upwind Particulate + 150 = 13										
Number of Comparable Data Points = 620										
Start Time: 7:04										
End Time: 17:38										
PARTICULATE DATA										
Upwind			Downwind							
Time	Concentration (ug/m ³)	15-Min Avg Concentration (ug/m ³)	Time	Concentration (ug/m ³)	15-Min Avg Concentration (ug/m ³)	Time	Concentration (ug/m ³)	15-Min Avg Concentration (ug/m ³)	Exceeds Particulate Alarm Limit	
7:04	12.0	-	7:04	170.0	-	7:04	8.0	-	-	-
7:05	14.3	-	7:05	28.5	-	7:05	10.3	-	-	-
7:06	15.5	-	7:06	9.5	-	7:06	12.8	-	-	-
7:07	17.0	-	7:07	11.0	-	7:07	9.3	-	-	-
7:08	19.8	-	7:08	11.0	-	7:08	9.0	-	-	-
7:09	17.8	-	7:09	11.3	-	7:09	9.0	-	-	-
7:10	14.5	-	7:10	12.0	-	7:10	9.0	-	-	-
7:11	17.5	-	7:11	17.0	-	7:11	11.5	-	-	-
7:12	17.5	-	7:12	12.0	-	7:12	15.5	-	-	-
7:13	20.8	-	7:13	12.0	-	7:13	11.0	-	-	-
7:14	16.5	-	7:14	11.0	-	7:14	9.0	-	-	-
7:15	15.3	-	7:15	10.8	-	7:15	9.0	-	-	-
7:16	12.0	-	7:16	10.0	-	7:16	8.0	-	-	-
7:17	13.5	-	7:17	10.0	-	7:17	7.5	-	-	-
7:18	14.0	-	7:18	10.0	-	7:18	20.5	-	-	-
7:19	16.0	16.1	7:19	10.3	12.4	7:19	19.0	11.4	-	-
7:20	15.5	16.2	7:20	10.5	11.2	7:20	16.8	11.8	-	-
7:21	15.8	16.2	7:21	11.0	11.3	7:21	11.8	11.7	-	-
7:22	18.5	16.3	7:22	11.0	11.3	7:22	12.3	11.9	-	-
7:23	18.3	16.2	7:23	11.0	11.3	7:23	10.5	12.0	-	-
7:24	43.8	18.0	7:24	11.0	11.3	7:24	9.0	12.0	-	-
7:25	62.8	21.2	7:25	11.0	11.2	7:25	12.8	12.3	-	-
7:26	36.3	22.4	7:26	12.0	10.9	7:26	17.3	12.7	-	-
7:27	18.5	22.5	7:27	13.0	11.0	7:27	19.3	12.9	-	-
7:28	16.0	22.2	7:28	13.0	11.0	7:28	11.8	13.0	-	-
7:29	18.5	22.3	7:29	13.0	11.2	7:29	9.5	13.0	-	-
7:30	22.5	22.8	7:30	12.5	11.3	7:30	11.8	13.2	-	-
7:31	23.5	23.6	7:31	12.0	11.4	7:31	10.3	13.3	-	-
7:32	24.0	24.3	7:32	12.0	11.6	7:32	10.3	13.5	-	-
7:33	21.3	24.7	7:33	12.8	11.7	7:33	9.3	12.8	-	-
7:34	16.0	24.7	7:34	13.0	11.9	7:34	8.5	12.1	-	-
7:35	13.5	24.6	7:35	13.8	12.1	7:35	11.5	11.7	-	-
7:36	13.3	24.4	7:36	14.0	12.3	7:36	13.5	11.8	-	-
7:37	14.5	24.2	7:37	13.8	12.5	7:37	13.0	11.9	-	-
7:38	14.0	23.9	7:38	16.0	12.9	7:38	8.0	11.7	-	-
7:39	14.0	21.9	7:39	14.8	13.1	7:39	7.8	11.6	-	-
7:40	16.8	18.8	7:40	12.3	13.2	7:40	12.3	11.6	-	-
7:41	16.8	17.5	7:41	13.5	13.3	7:41	15.3	11.5	-	-
7:42	12.3	17.1	7:42	12.0	13.2	7:42	10.5	10.9	-	-
7:43	12.5	16.9	7:43	11.8	13.1	7:43	8.0	10.6	-	-
7:44	13.0	16.5	7:44	12.0	13.1	7:44	8.5	10.6	-	-
7:45	12.0	15.8	7:45	11.0	13.0	7:45	14.8	10.8	-	-
7:46	11.3	15.0	7:46	12.0	13.0	7:46	12.5	10.9	-	-
7:47	15.5	14.4	7:47	13.0	13.0	7:47	8.3	10.8	-	-
7:48	13.5	13.9	7:48	12.0	13.0	7:48	7.0	10.6	-	-
7:49	12.3	13.7	7:49	10.5	12.8	7:49	9.3	10.7	-	-
7:50	12.0	13.6	7:50	22.3	13.4	7:50	11.8	10.7	-	-
7:51	11.8	13.5	7:51	46.8	15.6	7:51	8.5	10.4	-	-
7:52	11.0	13.2	7:52	13.8	15.6	7:52	7.8	10.0	-	-
7:53	12.0	13.1	7:53	10.0	15.2	7:53	9.3	10.1	-	-
7:54	11.8	13.0	7:54	10.8	14.9	7:54	15.8	10.6	-	-
7:55	14.0	12.8	7:55	12.0	14.9	7:55	15.8	10.9	-	-
7:56	14.3	12.6	7:56	12.0	14.8	7:56	15.3	10.9	-	-
7:57	13.3	12.7	7:57	29.5	16.0	7:57	10.0	10.8	-	-
7:58	12.0	12.6	7:58	25.5	16.9	7:58	7.8	10.8	-	-
7:59	12.0	12.6	7:59	12.3	16.9	7:59	8.0	10.8	-	-
8:00	12.0	12.6	8:00	11.5	16.9	8:00	8.5	10.4	-	-
8:01	13.5	12.7	8:01	11.8	16.9	8:01	8.3	10.1	-	-
8:02	12.5	12.5	8:02	13.0	16.9	8:02	8.3	10.1	-	-
8:03	12.3	12.4	8:03	11.5	16.9	8:03	9.8	10.3	-	-
8:04	13.5	12.5	8:04	13.5	17.1	8:04	8.8	10.2	-	-
8:05	14.0	12.7	8:05	51.3	19.0	8:05	9.0	10.0	-	-
8:06	13.5	12.8	8:06	25.8	17.6	8:06	10.8	10.2	-	-
8:07	13.0	12.9	8:07	17.3	17.8	8:07	11.0	10.4	-	-
8:08	13.0	13.0	8:08	15.0	18.2	8:08	11.8	10.6	-	-
8:09	12.8	13.0	8:09	15.0	18.5	8:09	9.5	10.2	-	-
8:10	14.3	13.1	8:10	14.0	18.6	8:10	13.5	10.0	-	-
8:11	13.3	13.0	8:11	13.5	18.7	8:11	16.8	10.1	-	-
8:12	12.8	13.0	8:12	14.0	17.7	8:12	11.0	10.2	-	-
8:13	13.5	13.1	8:13	14.0	16.9	8:13	10.5	10.4	-	-

PARTICULATE DATA									
Upwind			Downwind						
Time	Concentration (ug/m³)	15-Min Avg Concentration (ug/m³)	Time	Concentration (ug/m³)	15-Min Avg Concentration (ug/m³)	Time	Concentration (ug/m³)	15-Min Avg Concentration (ug/m³)	Exceeds Particulate Alarm Limit
8:14	13.3	13.1	8:14	12.8	16.9	8:14	11.8	10.6	
8:15	12.0	13.1	8:15	12.0	17.0	8:15	12.0	10.8	-
8:16	12.0	13.0	8:16	11.5	16.9	8:16	11.0	11.0	-
8:17	12.0	13.0	8:17	10.5	16.8	8:17	10.5	11.2	-
8:18	12.0	13.0	8:18	10.8	16.7	8:18	11.5	11.3	-
8:19	39.0	14.7	8:19	10.3	16.5	8:19	12.3	11.5	-
8:20	23.5	15.3	8:20	10.0	13.8	8:20	12.3	11.7	-
8:21	14.8	15.4	8:21	10.0	12.7	8:21	13.3	11.9	-
8:22	11.0	15.3	8:22	10.0	12.2	8:22	11.3	11.9	-
8:23	11.5	15.2	8:23	10.0	11.9	8:23	13.3	12.0	-
8:24	13.0	15.2	8:24	10.0	11.6	8:24	10.8	12.1	-
8:25	13.0	15.1	8:25	11.3	11.4	8:25	13.3	12.1	-
8:26	13.5	15.1	8:26	12.8	11.3	8:26	11.0	11.7	-
8:27	12.5	15.1	8:27	12.3	11.2	8:27	10.5	11.7	-
8:28	13.5	15.1	8:28	11.5	11.0	8:28	10.3	11.7	-
8:29	14.8	15.2	8:29	11.8	11.0	8:29	10.3	11.6	-
8:30	14.5	15.4	8:30	12.8	11.0	8:30	11.0	11.5	-
8:31	14.5	15.5	8:31	12.8	11.1	8:31	11.0	11.5	-
8:32	14.0	15.7	8:32	12.8	11.3	8:32	11.0	11.5	-
8:33	14.3	15.8	8:33	13.0	11.4	8:33	11.8	11.5	-
8:34	14.3	14.2	8:34	13.5	11.6	8:34	14.3	11.7	-
8:35	16.0	13.7	8:35	14.0	11.9	8:35	14.3	11.8	-
8:36	16.3	13.8	8:36	15.5	12.3	8:36	12.5	11.8	-
8:37	17.5	14.2	8:37	18.8	12.8	8:37	12.0	11.8	-
8:38	17.0	14.6	8:38	20.8	13.6	8:38	11.5	11.7	-
8:39	15.3	14.7	8:39	19.3	14.2	8:39	11.8	11.8	-
8:40	15.0	14.9	8:40	17.3	14.6	8:40	11.8	11.7	-
8:41	15.0	15.0	8:41	30.5	15.8	8:41	10.5	11.6	-
8:42	15.0	15.1	8:42	48.3	18.2	8:42	10.0	11.6	-
8:43	15.5	15.3	8:43	23.0	18.9	8:43	9.8	11.6	-
8:44	16.0	15.3	8:44	23.0	19.7	8:44	10.0	11.5	-
8:45	16.0	15.4	8:45	20.8	20.2	8:45	10.0	11.5	-
8:46	17.0	15.6	8:46	29.5	21.3	8:46	11.0	11.5	-
8:47	16.8	15.8	8:47	22.5	22.0	8:47	13.8	11.7	-
8:48	16.3	15.9	8:48	18.8	22.4	8:48	12.5	11.7	-
8:49	16.0	16.0	8:49	18.5	22.7	8:49	11.0	11.5	-
8:50	16.0	16.0	8:50	16.5	22.9	8:50	12.3	11.4	-
8:51	15.5	16.0	8:51	16.3	22.9	8:51	12.3	11.3	-
8:52	15.0	15.8	8:52	17.0	22.8	8:52	13.8	11.5	-
8:53	15.3	15.7	8:53	18.3	22.6	8:53	11.3	11.4	-
8:54	16.0	15.8	8:54	17.8	22.5	8:54	10.0	11.3	-
8:55	16.5	15.9	8:55	17.3	22.5	8:55	9.3	11.2	-
8:56	15.3	15.9	8:56	19.5	21.8	8:56	10.0	11.1	-
8:57	15.0	15.9	8:57	30.5	20.6	8:57	10.8	11.2	-
8:58	15.0	15.8	8:58	33.0	21.3	8:58	12.0	11.3	-
8:59	14.8	15.8	8:59	52.3	23.2	8:59	10.0	11.3	-
9:00	16.0	15.8	9:00	49.5	25.1	9:00	9.5	11.3	-
9:01	18.0	15.8	9:01	29.3	25.1	9:01	11.3	11.3	-
9:02	16.8	15.8	9:02	18.0	24.8	9:02	10.3	11.1	-
9:03	17.8	15.9	9:03	13.8	24.5	9:03	10.0	10.9	-
9:04	17.8	16.0	9:04	13.3	24.1	9:04	11.8	11.0	-
9:05	16.3	16.1	9:05	15.5	24.1	9:05	12.5	11.0	-
9:06	16.0	16.1	9:06	17.0	24.1	9:06	11.8	10.9	-
9:07	16.0	16.2	9:07	17.0	24.1	9:07	11.0	10.8	-
9:08	16.0	16.2	9:08	15.5	23.9	9:08	10.5	10.7	-
9:09	16.3	16.2	9:09	15.0	23.8	9:09	10.0	10.7	-
9:10	17.0	16.3	9:10	15.0	23.6	9:10	10.0	10.8	-
9:11	17.0	16.4	9:11	15.0	23.3	9:11	10.0	10.8	-
9:12	17.0	16.5	9:12	15.0	22.3	9:12	10.0	10.7	-
9:13	16.3	16.6	9:13	15.0	21.1	9:13	10.8	10.6	-
9:14	15.5	16.6	9:14	15.3	18.6	9:14	11.0	10.7	-
9:15	15.0	16.6	9:15	15.5	16.3	9:15	10.3	10.7	-
9:16	15.5	16.4	9:16	15.3	15.4	9:16	11.0	10.7	-
9:17	15.0	16.3	9:17	14.3	15.2	9:17	10.0	10.7	-
9:18	15.0	16.1	9:18	14.5	15.2	9:18	10.5	10.7	-
9:19	15.0	15.9	9:19	15.0	15.3	9:19	13.8	10.9	-
9:20	20.3	16.2	9:20	15.0	15.3	9:20	13.8	11.0	-
9:21	21.8	16.6	9:21	14.0	15.1	9:21	13.5	11.1	-
9:22	21.0	16.9	9:22	14.0	14.9	9:22	9.3	11.0	-
9:23	19.8	17.2	9:23	14.0	14.8	9:23	8.3	10.8	-
9:24	15.8	17.1	9:24	14.5	14.8	9:24	10.5	10.8	-
9:25	15.0	17.0	9:25	13.8	14.7	9:25	11.3	10.9	-
9:26	15.5	16.9	9:26	14.8	14.7	9:26	9.5	10.9	-
9:27	14.8	16.7	9:27	16.0	14.7	9:27	12.5	11.1	-
9:28	13.8	16.6	9:28	14.5	14.7	9:28	10.8	11.1	-
9:29	13.0	16.4	9:29	12.3	14.5	9:29	9.8	11.0	-

PARTICULATE DATA								
Upwind			Downwind					
Time	Concentration (ug/m³)	15-Min Avg Concentration (ug/m³)	Time	Concentration (ug/m³)	15-Min Avg Concentration (ug/m³)	Time	Concentration (ug/m³)	15-Min Avg Concentration (ug/m³)
9:30	13.0	16.3	9:30	12.0	14.3	9:30	9.0	10.9
9:31	13.0	16.1	9:31	12.0	14.0	9:31	8.3	10.7
9:32	13.0	16.0	9:32	12.5	13.9	9:32	8.0	10.6
9:33	12.5	15.8	9:33	13.8	13.9	9:33	8.0	10.4
9:34	12.0	15.6	9:34	13.5	13.8	9:34	8.0	10.0
9:35	12.0	15.1	9:35	13.0	13.6	9:35	7.3	9.6
9:36	12.0	14.4	9:36	12.0	13.5	9:36	7.8	9.2
9:37	12.0	13.8	9:37	11.0	13.3	9:37	7.3	9.1
9:38	12.5	13.3	9:38	11.0	13.1	9:38	8.0	9.1
9:39	12.0	13.1	9:39	13.8	13.1	9:39	8.0	8.9
9:40	13.8	13.0	9:40	15.8	13.2	9:40	8.0	8.7
9:41	14.0	12.9	9:41	15.5	13.2	9:41	8.0	8.6
9:42	14.3	12.9	9:42	14.0	13.1	9:42	8.0	8.3
9:43	14.0	12.9	9:43	15.5	13.2	9:43	8.0	8.1
9:44	13.0	12.9	9:44	18.8	13.6	9:44	7.8	8.0
9:45	13.5	12.9	9:45	18.5	14.0	9:45	8.0	7.9
9:46	14.0	13.0	9:46	16.3	14.3	9:46	8.0	7.9
9:47	14.0	13.0	9:47	14.5	14.5	9:47	8.0	7.9
9:48	14.3	13.2	9:48	14.0	14.5	9:48	8.0	7.9
9:49	14.0	13.3	9:49	12.5	14.4	9:49	8.0	7.9
9:50	14.0	13.4	9:50	11.5	14.3	9:50	8.3	7.9
9:51	14.0	13.6	9:51	11.0	14.2	9:51	8.0	8.0
9:52	15.0	13.8	9:52	11.0	14.2	9:52	8.0	8.0
9:53	14.5	13.9	9:53	11.3	14.3	9:53	8.5	8.0
9:54	15.0	14.1	9:54	12.0	14.1	9:54	10.0	8.2
9:55	14.3	14.1	9:55	14.8	14.1	9:55	9.3	8.3
9:56	14.0	14.1	9:56	17.3	14.2	9:56	9.5	8.4
9:57	17.5	14.3	9:57	20.5	14.6	9:57	9.0	8.4
9:58	20.3	14.8	9:58	18.5	14.8	9:58	10.0	8.6
9:59	16.0	15.0	9:59	18.0	14.8	9:59	12.5	8.9
10:00	14.5	15.0	10:00	20.5	14.9	10:00	16.3	9.4
10:01	14.0	15.0	10:01	19.0	15.1	10:01	9.0	9.5
10:02	14.8	15.1	10:02	15.3	15.1	10:02	8.0	9.5
10:03	14.3	15.1	10:03	15.3	15.2	10:03	11.3	9.7
10:04	14.0	15.1	10:04	15.0	15.4	10:04	10.8	9.9
10:05	14.5	15.1	10:05	18.3	15.8	10:05	9.5	10.0
10:06	16.8	15.3	10:06	21.0	16.5	10:06	11.0	10.2
10:07	18.0	15.5	10:07	33.8	18.0	10:07	10.5	10.3
10:08	18.8	15.8	10:08	43.5	20.2	10:08	13.8	10.7
10:09	21.8	16.2	10:09	24.5	21.0	10:09	21.8	11.5
10:10	19.0	16.5	10:10	22.0	21.5	10:10	11.0	11.6
10:11	18.0	16.8	10:11	19.5	21.6	10:11	10.0	11.6
10:12	17.3	16.8	10:12	20.8	21.7	10:12	10.0	11.7
10:13	19.5	16.7	10:13	18.5	21.7	10:13	10.0	11.7
10:14	18.0	16.9	10:14	15.5	21.5	10:14	11.5	11.6
10:15	16.5	17.0	10:15	13.5	21.0	10:15	11.0	11.3
10:16	17.0	17.2	10:16	12.3	20.6	10:16	11.3	11.4
10:17	16.0	17.3	10:17	12.0	20.4	10:17	11.8	11.7
10:18	15.0	17.3	10:18	11.5	20.1	10:18	10.5	11.6
10:19	15.0	17.4	10:19	12.0	19.9	10:19	9.5	11.5
10:20	16.0	17.5	10:20	11.8	19.5	10:20	9.5	11.5
10:21	17.8	17.6	10:21	10.5	18.8	10:21	10.0	11.5
10:22	17.5	17.5	10:22	11.5	17.3	10:22	9.0	11.4
10:23	19.3	17.6	10:23	11.8	15.2	10:23	11.5	11.2
10:24	21.8	17.6	10:24	11.0	14.3	10:24	12.5	10.6
10:25	20.0	17.6	10:25	12.3	13.6	10:25	18.5	11.1
10:26	23.3	18.0	10:26	14.0	13.3	10:26	13.0	11.3
10:27	35.8	19.2	10:27	12.8	12.7	10:27	10.3	11.3
10:28	21.8	19.4	10:28	10.8	12.2	10:28	13.8	11.6
10:29	14.8	19.2	10:29	14.5	12.1	10:29	10.0	11.5
10:30	13.8	19.0	10:30	14.0	12.2	10:30	9.3	11.4
10:31	15.5	18.9	10:31	10.3	12.0	10:31	9.5	11.2
10:32	13.0	18.7	10:32	10.8	12.0	10:32	9.5	11.1
10:33	14.0	18.6	10:33	11.8	12.0	10:33	8.8	11.0
10:34	16.0	18.7	10:34	18.8	12.4	10:34	7.5	10.8
10:35	16.3	18.7	10:35	19.0	12.9	10:35	9.3	10.8
10:36	17.3	18.7	10:36	22.8	13.7	10:36	12.0	11.0
10:37	14.3	18.4	10:37	20.8	14.3	10:37	8.8	10.9
10:38	13.0	18.0	10:38	11.5	14.3	10:38	8.5	10.7
10:39	13.0	17.4	10:39	8.5	14.2	10:39	9.8	10.6
10:40	13.0	17.0	10:40	8.0	13.9	10:40	9.3	9.9
10:41	13.8	16.3	10:41	9.0	13.5	10:41	9.3	9.7
10:42	13.0	14.8	10:42	8.0	13.2	10:42	6.8	9.5
10:43	11.3	14.1	10:43	6.8	13.0	10:43	8.0	9.1
10:44	11.0	13.9	10:44	6.8	12.4	10:44	7.3	8.9
10:45	11.0	13.7	10:45	8.0	12.0	10:45	10.3	9.0

PARTICULATE DATA								
Upwind			Downwind					
Time	Concentration (ug/m³)	15-Min Avg Concentration (ug/m³)	Time	Concentration (ug/m³)	15-Min Avg Concentration (ug/m³)	Time	Concentration (ug/m³)	15-Min Avg Concentration (ug/m³)
10:46	13.0	13.5	10:46	7.3	11.8	10:46	9.5	9.0
10:47	15.3	13.7	10:47	8.0	11.7	10:47	7.8	8.8
10:48	14.5	13.7	10:48	11.0	11.6	10:48	7.5	8.8
10:49	14.0	13.6	10:49	12.0	11.2	10:49	8.8	8.8
10:50	14.0	13.4	10:50	10.5	10.6	10:50	10.0	8.9
10:51	14.0	13.2	10:51	12.3	9.9	10:51	8.5	8.7
10:52	15.3	13.3	10:52	14.0	9.4	10:52	7.8	8.6
10:53	14.8	13.4	10:53	39.8	11.3	10:53	7.0	8.5
10:54	13.0	13.4	10:54	23.3	12.3	10:54	7.5	8.3
10:55	13.3	13.4	10:55	9.0	12.4	10:55	8.3	8.3
10:56	13.8	13.4	10:56	9.0	12.4	10:56	8.5	8.2
10:57	13.0	13.4	10:57	9.0	12.4	10:57	8.0	8.3
10:58	13.0	13.5	10:58	9.3	12.6	10:58	8.8	8.4
10:59	14.0	13.7	10:59	10.0	12.8	10:59	9.0	8.5
11:00	14.0	13.9	11:00	11.0	13.0	11:00	8.3	8.3
11:01	14.0	14.0	11:01	9.8	13.2	11:01	8.0	8.2
11:02	15.5	14.0	11:02	10.8	13.4	11:02	8.3	8.3
11:03	17.0	14.2	11:03	10.0	13.3	11:03	9.3	8.4
11:04	15.5	14.3	11:04	10.0	13.2	11:04	10.5	8.5
11:05	15.8	14.4	11:05	13.0	13.3	11:05	9.0	8.4
11:06	15.8	14.5	11:06	16.5	13.6	11:06	8.0	8.4
11:07	16.3	14.6	11:07	12.8	13.5	11:07	8.3	8.4
11:08	18.0	14.8	11:08	13.5	11.8	11:08	10.5	8.7
11:09	18.8	15.2	11:09	14.8	11.2	11:09	9.0	8.8
11:10	19.0	15.6	11:10	12.8	11.5	11:10	9.5	8.9
11:11	47.3	17.8	11:11	11.3	11.6	11:11	9.8	8.9
11:12	50.8	20.3	11:12	10.3	11.7	11:12	9.8	9.1
11:13	41.5	22.2	11:13	9.8	11.7	11:13	10.0	9.1
11:14	23.0	22.8	11:14	10.8	11.8	11:14	10.3	9.2
11:15	17.5	23.0	11:15	11.3	11.8	11:15	9.3	9.3
11:16	16.3	23.2	11:16	11.8	11.9	11:16	8.0	9.3
11:17	16.0	23.2	11:17	11.0	12.0	11:17	9.0	9.3
11:18	16.0	23.2	11:18	11.0	12.0	11:18	12.5	9.6
11:19	16.5	23.2	11:19	15.5	12.4	11:19	8.0	9.4
11:20	21.3	23.6	11:20	18.5	12.8	11:20	8.0	9.3
11:21	23.0	24.1	11:21	14.3	12.6	11:21	8.5	9.4
11:22	17.8	24.2	11:22	15.8	12.8	11:22	8.0	9.3
11:23	16.5	24.1	11:23	24.0	13.5	11:23	8.3	9.2
11:24	16.0	23.9	11:24	24.5	14.2	11:24	10.3	9.3
11:25	17.0	23.8	11:25	16.5	14.4	11:25	10.8	9.4
11:26	18.8	21.9	11:26	21.8	15.1	11:26	11.5	9.5
11:27	18.8	19.7	11:27	20.5	15.8	11:27	12.5	9.7
11:28	19.5	18.3	11:28	18.3	16.4	11:28	10.8	9.7
11:29	18.0	17.9	11:29	15.3	16.7	11:29	11.0	9.8
11:30	19.0	18.0	11:30	14.3	16.9	11:30	10.8	9.9
11:31	18.8	18.2	11:31	186.8	28.5	11:31	8.8	9.9
11:32	21.5	18.6	11:32	436.5	56.9	11:32	10.0	10.0
11:33	19.3	18.8	11:33	871.8	114.3	11:33	8.3	9.7
11:34	17.8	18.9	11:34	774.3	164.9	11:34	8.3	9.7
11:35	19.0	18.7	11:35	449.0	193.6	11:35	9.0	9.8
11:36	19.0	18.4	11:36	381.8	218.1	11:36	8.8	9.8
11:37	18.3	18.5	11:37	203.0	230.5	11:37	9.3	9.9
11:38	21.0	18.8	11:38	116.8	236.7	11:38	40.0	12.0
11:39	28.0	19.6	11:39	56.0	238.8	11:39	18.0	12.5
11:40	29.3	20.4	11:40	79.0	243.0	11:40	16.3	12.9
11:41	29.5	21.1	11:41	81.8	247.0	11:41	23.5	13.7
11:42	27.0	21.7	11:42	45.3	248.6	11:42	20.5	14.2
11:43	24.8	22.0	11:43	49.0	250.7	11:43	14.0	14.4
11:44	28.0	22.7	11:44	39.0	252.3	11:44	12.5	14.5
11:45	36.8	23.9	11:45	25.8	253.0	11:45	14.3	14.8
11:46	49.3	25.9	11:46	24.0	242.2	11:46	12.8	15.0
11:47	32.5	26.6	11:47	21.0	214.5	11:47	14.3	15.3
11:48	30.0	27.3	11:48	16.8	157.5	11:48	12.5	15.6
11:49	32.8	28.3	11:49	13.0	106.7	11:49	15.8	16.1
11:50	28.5	29.0	11:50	12.0	77.6	11:50	14.8	16.5
11:51	26.3	29.5	11:51	11.3	52.9	11:51	20.3	17.2
11:52	27.8	30.1	11:52	10.8	40.1	11:52	23.3	18.2
11:53	25.5	30.4	11:53	12.0	33.1	11:53	14.0	16.4
11:54	26.0	30.3	11:54	14.0	30.3	11:54	16.0	16.3
11:55	24.8	30.0	11:55	16.3	26.1	11:55	16.0	16.3
11:56	30.0	30.0	11:56	19.3	22.0	11:56	14.3	15.7
11:57	40.3	30.9	11:57	59.8	22.9	11:57	17.8	15.5
11:58	29.8	31.2	11:58	54.0	23.3	11:58	16.0	15.6
11:59	27.3	31.2	11:59	14.5	21.6	11:59	12.5	15.6
12:00	27.3	30.5	12:00	25.0	21.6	12:00	14.5	15.6
12:01	27.5	29.1	12:01	22.5	21.5	12:01	15.8	-

PARTICULATE DATA								
Upwind			Downwind					
Time	Concentration (ug/m³)	15-Min Avg Concentration (ug/m³)	Time	Concentration (ug/m³)	15-Min Avg Concentration (ug/m³)	Time	Concentration (ug/m³)	15-Min Avg Concentration (ug/m³)
12:02	25.8	28.6	12:02	20.0	21.4	12:02	14.3	15.8
12:03	23.3	28.2	12:03	17.3	21.4	12:03	12.5	15.8
12:04	20.3	27.3	12:04	17.0	21.7	12:04	13.3	15.7
12:05	21.3	26.9	12:05	17.8	22.1	12:05	15.0	15.7
12:06	23.5	26.7	12:06	65.8	25.7	12:06	31.3	16.4
12:07	23.3	26.4	12:07	174.5	36.6	12:07	22.0	16.3
12:08	24.3	26.3	12:08	21.3	37.3	12:08	31.5	17.5
12:09	26.0	26.3	12:09	15.0	37.3	12:09	17.0	17.6
12:10	28.0	26.5	12:10	12.5	37.1	12:10	13.0	17.4
12:11	26.8	26.3	12:11	12.0	36.6	12:11	12.0	17.2
12:12	21.8	25.1	12:12	12.0	33.4	12:12	12.5	16.9
12:13	23.0	24.6	12:13	12.3	30.6	12:13	20.0	17.1
12:14	24.5	24.4	12:14	13.0	30.5	12:14	22.0	17.8
12:15	25.0	24.3	12:15	12.3	29.7	12:15	18.5	18.0
12:16	23.3	24.0	12:16	12.8	29.0	12:16	15.8	18.0
12:17	23.0	23.8	12:17	12.0	28.5	12:17	15.3	18.1
12:18	24.0	23.9	12:18	12.3	28.2	12:18	14.5	18.2
12:19	23.8	24.1	12:19	12.8	27.9	12:19	14.3	18.3
12:20	24.5	24.3	12:20	11.5	27.5	12:20	14.5	18.3
12:21	24.8	24.4	12:21	11.0	23.8	12:21	13.3	17.1
12:22	23.3	24.4	12:22	12.3	13.0	12:22	13.3	16.5
12:23	26.8	24.6	12:23	13.8	12.5	12:23	12.0	15.2
12:24	30.8	24.9	12:24	15.0	12.5	12:24	11.3	14.8
12:25	43.0	25.9	12:25	15.8	12.7	12:25	13.8	14.9
12:26	57.3	27.9	12:26	14.5	12.9	12:26	11.5	14.8
12:27	61.0	30.5	12:27	14.8	13.1	12:27	12.3	14.8
12:28	85.8	34.7	12:28	13.3	13.1	12:28	11.5	14.2
12:29	58.0	36.9	12:29	13.0	13.1	12:29	11.3	13.5
12:30	28.3	37.2	12:30	12.5	13.1	12:30	13.3	13.2
12:31	47.8	38.8	12:31	11.5	13.1	12:31	11.3	12.9
12:32	88.5	43.2	12:32	13.5	13.2	12:32	10.3	12.5
12:33	48.5	44.8	12:33	17.8	13.5	12:33	11.5	12.3
12:34	24.5	44.8	12:34	13.5	13.6	12:34	11.8	12.2
12:35	29.8	45.2	12:35	13.8	13.7	12:35	10.0	11.9
12:36	38.0	46.1	12:36	14.8	14.0	12:36	10.8	11.7
12:37	36.0	46.9	12:37	14.0	14.1	12:37	10.0	11.5
12:38	24.3	46.8	12:38	13.0	14.0	12:38	10.3	11.4
12:39	32.3	46.9	12:39	14.3	14.0	12:39	10.5	11.3
12:40	39.5	46.6	12:40	15.5	14.0	12:40	10.0	11.1
12:41	28.8	44.7	12:41	16.0	14.1	12:41	10.8	11.0
12:42	42.8	43.5	12:42	15.5	14.1	12:42	10.5	10.9
12:43	31.5	39.9	12:43	14.0	14.2	12:43	11.0	10.9
12:44	27.8	37.9	12:44	14.0	14.2	12:44	11.8	10.9
12:45	25.5	37.7	12:45	14.0	14.3	12:45	12.0	10.8
12:46	24.0	36.1	12:46	14.5	14.5	12:46	12.3	10.9
12:47	24.0	31.8	12:47	14.3	14.6	12:47	13.3	11.1
12:48	25.8	30.3	12:48	14.3	14.4	12:48	14.5	11.3
12:49	31.8	30.8	12:49	15.0	14.5	12:49	14.8	11.5
12:50	29.5	30.8	12:50	15.3	14.6	12:50	13.3	11.7
12:51	35.5	30.6	12:51	16.3	14.7	12:51	12.3	11.8
12:52	28.3	30.1	12:52	16.3	14.8	12:52	12.3	12.0
12:53	28.3	30.3	12:53	17.0	15.1	12:53	13.0	12.1
12:54	29.5	30.2	12:54	16.3	15.2	12:54	14.0	12.4
12:55	31.3	29.6	12:55	16.0	15.2	12:55	15.8	12.8
12:56	30.0	29.7	12:56	16.8	15.3	12:56	15.3	13.1
12:57	99.0	33.4	12:57	17.3	15.4	12:57	14.8	13.3
12:58	83.8	36.9	12:58	20.0	15.8	12:58	13.0	13.5
12:59	37.3	37.6	12:59	21.3	16.3	12:59	12.8	13.5
13:00	37.5	38.4	13:00	18.8	16.6	13:00	13.0	13.6
13:01	29.8	38.7	13:01	19.0	16.9	13:01	13.5	13.7
13:02	32.0	39.3	13:02	23.5	17.5	13:02	14.5	13.8
13:03	31.8	39.7	13:03	26.3	18.3	13:03	15.5	13.8
13:04	31.5	39.7	13:04	26.8	19.1	13:04	16.5	14.0
13:05	32.3	39.8	13:05	27.0	19.9	13:05	16.8	14.2
13:06	31.5	39.6	13:06	26.0	20.5	13:06	15.3	14.4
13:07	29.5	39.7	13:07	26.8	21.2	13:07	14.0	14.5
13:08	28.0	39.6	13:08	28.8	22.0	13:08	14.8	14.6
13:09	28.0	39.5	13:09	24.3	22.6	13:09	16.8	14.8
13:10	28.0	39.3	13:10	26.5	23.3	13:10	14.5	14.7
13:11	28.3	39.2	13:11	145.8	31.9	13:11	16.3	14.8
13:12	30.5	34.6	13:12	198.5	43.9	13:12	16.0	14.9
13:13	32.0	31.2	13:13	172.8	54.1	13:13	14.8	15.0
13:14	31.3	30.8	13:14	62.0	56.8	13:14	14.5	15.1
13:15	32.0	30.4	13:15	60.3	59.6	13:15	14.5	15.2
13:16	31.8	30.6	13:16	25.5	60.0	13:16	13.3	15.2
13:17	31.0	30.5	13:17	21.3	59.9	13:17	13.3	15.1

PARTICULATE DATA								
Upwind			Downwind					
Time	Concentration (ug/m³)	15-Min Avg Concentration (ug/m³)	Time	Concentration (ug/m³)	15-Min Avg Concentration (ug/m³)	Time	Concentration (ug/m³)	15-Min Avg Concentration (ug/m³)
13:18	32.5	30.5	13:18	24.3	59.8	13:18	14.8	15.1
13:19	31.3	30.5	13:19	30.0	60.0	13:19	13.8	14.9
13:20	32.0	30.5	13:20	36.5	60.6	13:20	14.0	14.7
13:21	31.3	30.5	13:21	27.0	60.7	13:21	16.5	14.8
13:22	29.3	30.5	13:22	23.0	60.4	13:22	16.3	14.9
13:23	28.3	30.5	13:23	21.8	60.0	13:23	15.0	14.9
13:24	28.0	30.5	13:24	22.0	59.8	13:24	15.0	14.8
13:25	28.8	30.5	13:25	22.0	59.5	13:25	15.0	14.9
13:26	30.0	30.7	13:26	22.5	51.3	13:26	15.8	14.8
13:27	30.8	30.7	13:27	23.0	39.6	13:27	16.3	14.8
13:28	30.5	30.6	13:28	23.0	29.6	13:28	15.8	14.9
13:29	30.3	30.5	13:29	24.0	27.1	13:29	16.0	15.0
13:30	30.0	30.4	13:30	24.0	24.7	13:30	16.0	15.1
13:31	30.0	30.3	13:31	24.0	24.6	13:31	15.5	15.3
13:32	29.5	30.2	13:32	24.0	24.7	13:32	15.3	15.4
13:33	28.3	29.9	13:33	23.0	24.7	13:33	15.0	15.4
13:34	28.0	29.7	13:34	22.0	24.1	13:34	14.5	15.5
13:35	29.5	29.5	13:35	22.8	23.2	13:35	13.0	15.4
13:36	30.0	29.4	13:36	22.5	22.9	13:36	14.3	15.2
13:37	29.0	29.4	13:37	20.5	22.7	13:37	14.3	15.1
13:38	31.5	29.6	13:38	20.5	22.7	13:38	15.0	15.1
13:39	35.5	30.1	13:39	20.8	22.6	13:39	17.0	15.2
13:40	29.5	30.2	13:40	20.3	22.5	13:40	16.0	15.3
13:41	28.3	30.0	13:41	21.0	22.4	13:41	15.0	15.3
13:42	28.3	29.9	13:42	21.0	22.2	13:42	16.5	15.3
13:43	35.8	30.2	13:43	20.3	22.0	13:43	21.0	15.6
13:44	48.5	31.4	13:44	43.5	23.3	13:44	26.8	16.3
13:45	39.8	32.1	13:45	153.3	32.0	13:45	18.8	16.5
13:46	30.8	32.1	13:46	152.5	40.5	13:46	15.5	16.5
13:47	36.3	32.6	13:47	63.0	43.1	13:47	18.0	16.7
13:48	31.3	32.8	13:48	49.8	44.9	13:48	31.0	17.8
13:49	27.3	32.7	13:49	35.5	45.8	13:49	18.5	18.0
13:50	27.5	32.6	13:50	48.0	47.5	13:50	12.3	18.0
13:51	26.5	32.4	13:51	31.8	48.1	13:51	13.0	17.9
13:52	26.0	32.2	13:52	24.5	48.4	13:52	13.5	17.9
13:53	25.0	31.7	13:53	19.3	48.3	13:53	13.8	17.8
13:54	64.0	33.6	13:54	17.8	48.1	13:54	12.5	17.5
13:55	27.3	33.5	13:55	18.0	47.9	13:55	13.3	17.3
13:56	27.3	33.4	13:56	17.0	47.7	13:56	13.8	17.2
13:57	24.8	33.2	13:57	15.5	47.3	13:57	11.8	16.9
13:58	26.3	32.6	13:58	14.8	46.9	13:58	11.0	16.2
13:59	23.0	30.9	13:59	14.0	45.0	13:59	12.8	15.3
14:00	21.3	29.6	14:00	14.0	35.7	14:00	13.5	14.9
14:01	21.8	29.0	14:01	17.8	26.7	14:01	11.3	14.7
14:02	21.0	28.0	14:02	14.8	23.5	14:02	12.3	14.3
14:03	21.0	27.3	14:03	15.3	21.2	14:03	13.3	13.1
14:04	21.8	27.0	14:04	14.5	19.8	14:04	12.3	12.7
14:05	21.0	26.5	14:05	14.3	17.5	14:05	12.3	12.7
14:06	22.0	26.2	14:06	14.3	16.4	14:06	12.3	12.6
14:07	157.3	35.0	14:07	13.3	15.6	14:07	10.5	12.4
14:08	72.3	38.1	14:08	13.3	15.2	14:08	12.0	12.3
14:09	23.8	35.4	14:09	14.0	15.0	14:09	13.3	12.4
14:10	22.8	35.1	14:10	14.5	14.7	14:10	12.5	12.3
14:11	21.8	34.8	14:11	16.0	14.7	14:11	13.8	12.3
14:12	21.3	34.5	14:12	15.8	14.7	14:12	14.3	12.5
14:13	21.8	34.2	14:13	15.3	14.7	14:13	12.5	12.6
14:14	23.0	34.2	14:14	15.3	14.8	14:14	12.0	12.5
14:15	24.3	34.4	14:15	15.0	14.9	14:15	11.3	12.4
14:16	32.5	35.2	14:16	15.0	14.7	14:16	14.8	12.6
14:17	37.5	36.3	14:17	13.8	14.6	14:17	16.5	12.9
14:18	53.8	38.4	14:18	13.0	14.5	14:18	26.8	13.8
14:19	31.8	39.1	14:19	13.5	14.4	14:19	22.5	14.5
14:20	32.3	39.9	14:20	13.3	14.3	14:20	15.5	14.7
14:21	51.5	41.8	14:21	13.3	14.3	14:21	16.3	15.0
14:22	56.5	35.1	14:22	14.0	14.3	14:22	20.8	15.6
14:23	92.0	36.4	14:23	14.3	14.4	14:23	31.5	16.9
14:24	31.0	36.9	14:24	14.3	14.4	14:24	41.8	18.8
14:25	23.0	36.9	14:25	15.0	14.4	14:25	17.5	19.2
14:26	23.8	37.1	14:26	14.8	14.4	14:26	14.5	19.2
14:27	22.0	37.1	14:27	14.0	14.2	14:27	13.5	19.2
14:28	23.3	37.2	14:28	13.8	14.1	14:28	12.8	19.2
14:29	24.8	37.3	14:29	14.0	14.1	14:29	14.3	19.3
14:30	22.5	37.2	14:30	14.5	14.0	14:30	15.0	19.6
14:31	21.0	36.4	14:31	14.0	14.0	14:31	18.3	19.8
14:32	22.8	35.5	14:32	13.0	13.9	14:32	15.3	19.7
14:33	22.5	33.4	14:33	13.3	13.9	14:33	16.3	19.0

PARTICULATE DATA								
Upwind			Downwind					
Time	Concentration (ug/m³)	15-Min Avg Concentration (ug/m³)	Time	Concentration (ug/m³)	15-Min Avg Concentration (ug/m³)	Time	Concentration (ug/m³)	15-Min Avg Concentration (ug/m³)
14:34	31.5	33.4	14:34	13.5	13.9	14:34	19.8	18.9
14:35	29.3	33.2	14:35	12.5	13.9	14:35	16.8	18.9
14:36	22.5	31.2	14:36	12.5	13.8	14:36	15.5	18.9
14:37	23.3	29.0	14:37	12.0	13.7	14:37	12.0	18.3
14:38	21.0	24.3	14:38	12.5	13.6	14:38	11.5	17.0
14:39	21.0	23.6	14:39	12.0	13.4	14:39	12.3	15.0
14:40	23.5	23.6	14:40	12.8	13.3	14:40	12.0	14.6
14:41	42.5	24.9	14:41	13.0	13.2	14:41	12.8	14.5
14:42	109.5	30.7	14:42	12.8	13.1	14:42	22.5	15.1
14:43	58.3	33.1	14:43	13.3	13.0	14:43	28.3	16.2
14:44	20.3	32.8	14:44	12.5	12.9	14:44	18.5	16.4
14:45	23.3	32.8	14:45	12.0	12.8	14:45	14.3	16.4
14:46	36.5	33.8	14:46	12.0	12.6	14:46	16.8	16.3
14:47	29.8	34.3	14:47	12.0	12.6	14:47	16.5	16.4
14:48	24.0	34.4	14:48	12.0	12.5	14:48	13.8	16.2
14:49	20.0	33.6	14:49	12.0	12.4	14:49	14.3	15.8
14:50	20.3	33.0	14:50	12.0	12.4	14:50	16.0	15.8
14:51	21.0	32.9	14:51	11.3	12.3	14:51	12.0	15.6
14:52	21.0	32.8	14:52	12.0	12.3	14:52	9.8	15.4
14:53	20.3	32.7	14:53	11.3	12.2	14:53	17.5	15.8
14:54	20.5	32.7	14:54	11.0	12.1	14:54	21.0	16.4
14:55	22.0	32.6	14:55	11.0	12.0	14:55	11.8	16.4
14:56	21.8	31.2	14:56	11.0	11.9	14:56	11.8	16.3
14:57	20.0	25.3	14:57	11.0	11.8	14:57	10.8	15.5
14:58	21.0	22.8	14:58	11.0	11.6	14:58	10.0	14.3
14:59	22.5	22.9	14:59	11.0	11.5	14:59	10.8	13.8
15:00	20.5	22.7	15:00	10.8	11.4	15:00	11.3	13.6
15:01	20.8	21.7	15:01	10.5	11.3	15:01	12.0	13.3
15:02	20.8	21.1	15:02	9.5	11.2	15:02	11.0	12.9
15:03	21.0	20.9	15:03	10.3	11.0	15:03	11.0	12.7
15:04	20.5	20.9	15:04	11.0	11.0	15:04	10.0	12.4
15:05	18.5	20.8	15:05	10.8	10.9	15:05	8.5	11.9
15:06	17.3	20.6	15:06	9.8	10.8	15:06	8.5	11.7
15:07	17.5	20.3	15:07	9.0	10.6	15:07	8.5	11.6
15:08	18.0	20.2	15:08	9.8	10.5	15:08	10.5	11.2
15:09	19.5	20.1	15:09	10.0	10.4	15:09	10.0	10.4
15:10	20.5	20.0	15:10	9.3	10.3	15:10	9.5	10.3
15:11	20.0	19.9	15:11	10.5	10.3	15:11	9.8	10.1
15:12	19.8	19.9	15:12	11.3	10.3	15:12	10.0	10.1
15:13	19.3	19.8	15:13	9.8	10.2	15:13	12.0	10.2
15:14	18.3	19.5	15:14	8.3	10.0	15:14	10.3	10.2
15:15	19.0	19.4	15:15	8.0	9.8	15:15	10.3	10.1
15:16	20.8	19.4	15:16	9.0	9.7	15:16	11.0	10.1
15:17	20.8	19.4	15:17	12.3	9.9	15:17	8.5	9.9
15:18	8.8	18.6	15:18	20.8	10.6	15:18	11.0	9.9
15:19	8.0	17.7	15:19	18.3	11.1	15:19	7.8	9.7
15:20	9.0	17.1	15:20	18.8	11.6	15:20	6.3	9.6
15:21	9.8	16.6	15:21	20.3	12.3	15:21	6.8	9.5
15:22	11.0	16.2	15:22	27.5	13.6	15:22	7.0	9.4
15:23	9.5	15.6	15:23	26.8	14.7	15:23	7.0	9.1
15:24	10.5	15.0	15:24	26.5	15.8	15:24	7.0	8.9
15:25	9.3	14.2	15:25	26.5	17.0	15:25	7.3	8.8
15:26	11.0	13.6	15:26	24.3	17.9	15:26	7.3	8.6
15:27	12.5	13.2	15:27	27.8	19.0	15:27	8.0	8.5
15:28	12.8	12.7	15:28	23.0	19.9	15:28	7.5	8.2
15:29	11.5	12.3	15:29	23.8	20.9	15:29	7.5	8.0
15:30	9.5	11.6	15:30	19.8	21.7	15:30	7.8	7.8
15:31	10.3	10.9	15:31	18.8	22.3	15:31	7.0	7.6
15:32	11.8	10.3	15:32	18.0	22.7	15:32	7.5	7.5
15:33	9.8	10.4	15:33	20.3	22.7	15:33	7.8	7.3
15:34	10.0	10.5	15:34	39.5	24.1	15:34	7.0	7.2
15:35	11.5	10.7	15:35	46.8	26.0	15:35	6.0	7.2
15:36	10.5	10.8	15:36	35.5	27.0	15:36	6.0	7.2
15:37	7.3	10.5	15:37	31.0	27.2	15:37	5.3	7.1
15:38	8.0	10.4	15:38	27.8	27.3	15:38	6.0	7.0
15:39	9.8	10.4	15:39	30.0	27.5	15:39	6.0	6.9
15:40	10.3	10.4	15:40	22.5	27.2	15:40	6.0	6.8
15:41	10.5	10.4	15:41	23.0	27.2	15:41	6.0	6.8
15:42	8.5	10.1	15:42	22.3	26.8	15:42	6.0	6.6
15:43	9.8	9.9	15:43	17.0	26.4	15:43	6.0	6.5
15:44	12.0	10.0	15:44	16.8	25.9	15:44	6.0	6.4
15:45	11.3	10.1	15:45	16.0	25.7	15:45	6.8	6.4
15:46	12.5	10.2	15:46	16.8	25.5	15:46	6.0	6.3
15:47	11.8	10.2	15:47	16.8	25.5	15:47	6.8	6.2
15:48	11.0	10.3	15:48	16.3	25.2	15:48	7.0	6.2
15:49	12.0	10.4	15:49	16.0	23.6	15:49	7.3	6.2

PARTICULATE DATA									
Upwind			Downwind						
Time	Concentration (ug/m³)	15-Min Avg Concentration (ug/m³)	Time	Concentration (ug/m³)	15-Min Avg Concentration (ug/m³)	Time	Concentration (ug/m³)	15-Min Avg Concentration (ug/m³)	Exceeds Particulate Alarm Limit
15:50	8.3	10.2	15:50	17.0	21.6	15:50	8.0	6.3	
15:51	9.0	10.1	15:51	16.3	20.4	15:51	8.0	6.5	-
15:52	8.8	10.2	15:52	16.8	19.4	15:52	8.0	6.7	-
15:53	10.0	10.4	15:53	17.0	18.7	15:53	8.0	6.8	-
15:54	9.8	10.4	15:54	17.0	17.8	15:54	8.0	6.9	-
15:55	10.5	10.4	15:55	18.0	17.5	15:55	8.0	7.1	-
15:56	10.5	10.4	15:56	18.3	17.2	15:56	8.0	7.2	-
15:57	9.8	10.5	15:57	17.8	16.9	15:57	8.8	7.4	-
15:58	10.0	10.5	15:58	18.0	17.0	15:58	9.5	7.6	-
15:59	11.0	10.4	15:59	18.5	17.1	15:59	10.0	7.9	-
16:00	9.8	10.3	16:00	18.0	17.2	16:00	9.3	8.0	-
16:01	9.5	10.1	16:01	18.8	17.4	16:01	9.0	8.2	-
16:02	9.5	10.0	16:02	21.3	17.7	16:02	9.3	8.4	-
16:03	12.3	10.0	16:03	18.8	17.8	16:03	9.8	8.6	-
16:04	10.0	9.9	16:04	17.3	17.9	16:04	10.0	8.8	-
16:05	9.0	10.0	16:05	17.8	18.0	16:05	9.8	8.9	-
16:06	12.8	10.2	16:06	17.3	18.0	16:06	10.0	9.0	-
16:07	23.3	11.2	16:07	17.0	18.0	16:07	10.0	9.2	-
16:08	11.5	11.3	16:08	17.3	18.1	16:08	10.0	9.3	-
16:09	10.0	11.3	16:09	18.0	18.1	16:09	11.0	9.5	-
16:10	9.0	11.2	16:10	18.8	18.2	16:10	10.3	9.6	-
16:11	9.0	11.1	16:11	17.3	18.1	16:11	10.0	9.8	-
16:12	9.3	11.1	16:12	17.5	18.1	16:12	10.0	9.9	-
16:13	9.3	11.0	16:13	18.0	18.1	16:13	10.0	9.9	-
16:14	9.0	10.9	16:14	18.8	18.1	16:14	10.3	9.9	-
16:15	9.0	10.8	16:15	18.0	18.1	16:15	10.3	10.0	-
16:16	9.3	10.8	16:16	19.0	18.1	16:16	11.0	10.1	-
16:17	10.3	10.9	16:17	19.0	18.0	16:17	11.0	10.2	-
16:18	10.5	10.7	16:18	18.0	17.9	16:18	11.0	10.3	-
16:19	9.5	10.7	16:19	18.3	18.0	16:19	11.3	10.4	-
16:20	10.0	10.8	16:20	23.8	18.4	16:20	12.0	10.5	-
16:21	12.8	10.8	16:21	25.8	19.0	16:21	12.0	10.7	-
16:22	14.5	10.2	16:22	22.5	19.3	16:22	12.0	10.8	-
16:23	11.5	10.2	16:23	21.3	19.6	16:23	12.0	10.9	-
16:24	12.8	10.4	16:24	24.5	20.0	16:24	12.0	11.0	-
16:25	15.3	10.8	16:25	30.3	20.8	16:25	11.3	11.1	-
16:26	17.0	11.3	16:26	20.0	21.0	16:26	11.8	11.2	-
16:27	12.0	11.5	16:27	19.5	21.1	16:27	11.5	11.3	-
16:28	10.3	11.6	16:28	22.3	21.4	16:28	11.0	11.4	-
16:29	11.0	11.7	16:29	22.0	21.6	16:29	11.0	11.4	-
16:30	10.0	11.8	16:30	21.8	21.9	16:30	11.0	11.5	-
16:31	14.5	12.1	16:31	21.5	22.0	16:31	11.0	11.5	-
16:32	17.5	12.6	16:32	20.8	22.1	16:32	11.8	11.5	-
16:33	11.3	12.7	16:33	26.8	22.7	16:33	11.8	11.6	-
16:34	10.0	12.7	16:34	25.3	23.2	16:34	11.0	11.5	-
16:35	10.0	12.7	16:35	19.3	22.9	16:35	11.0	11.5	-
16:36	10.3	12.5	16:36	18.8	22.4	16:36	11.0	11.4	-
16:37	10.3	12.2	16:37	23.8	22.5	16:37	11.0	11.3	-
16:38	10.0	12.1	16:38	62.8	25.3	16:38	10.8	11.3	-
16:39	10.0	12.0	16:39	57.0	27.4	16:39	11.0	11.2	-
16:40	12.0	11.7	16:40	34.5	27.7	16:40	11.0	11.2	-
16:41	13.0	11.5	16:41	29.3	28.3	16:41	11.0	11.1	-
16:42	10.8	11.4	16:42	37.0	29.5	16:42	11.0	11.1	-
16:43	14.0	11.6	16:43	56.5	31.8	16:43	11.5	11.1	-
16:44	13.3	11.8	16:44	32.3	32.5	16:44	11.5	11.2	-
16:45	12.5	12.0	16:45	30.5	33.1	16:45	11.0	11.2	-
16:46	13.5	11.9	16:46	24.0	33.2	16:46	11.0	11.2	-
16:47	12.8	11.6	16:47	22.0	33.3	16:47	11.0	11.1	-
16:48	11.0	11.6	16:48	19.0	32.8	16:48	10.8	11.0	-
16:49	14.3	11.8	16:49	19.3	32.4	16:49	11.0	11.0	-
16:50	21.8	12.6	16:50	20.8	32.5	16:50	10.3	11.0	-
16:51	14.3	12.9	16:51	19.8	32.6	16:51	10.3	10.9	-
16:52	10.8	12.9	16:52	20.0	32.3	16:52	10.8	10.9	-
16:53	10.3	12.9	16:53	20.5	29.5	16:53	11.0	10.9	-
16:54	10.0	12.9	16:54	20.0	27.0	16:54	11.0	10.9	-
16:55	10.0	12.8	16:55	18.0	25.9	16:55	10.5	10.9	-
16:56	10.5	12.6	16:56	17.0	25.1	16:56	10.0	10.8	-
16:57	10.8	12.6	16:57	18.3	23.9	16:57	10.0	10.8	-
16:58	11.0	12.4	16:58	18.5	21.3	16:58	10.5	10.7	-
16:59	9.5	12.2	16:59	17.8	20.4	16:59	10.5	10.6	-
17:00	9.3	12.0	17:00	20.8	19.7	17:00	10.8	10.6	-
17:01	11.0	11.8	17:01	19.5	19.4	17:01	11.0	10.6	-
17:02	10.0	11.6	17:02	18.3	19.2	17:02	11.0	10.6	-
17:03	11.0	11.6	17:03	18.3	19.1	17:03	11.0	10.6	-
17:04	17.0	11.8	17:04	19.3	19.1	17:04	11.0	10.6	-
17:05	14.5	11.3	17:05	19.5	19.0	17:05	11.0	10.7	-

PARTICULATE DATA										
Upwind			Downwind							Exceeds Particulate Alarm Limit
Time	Concentration (ug/m³)	15-Min Avg Concentration (ug/m³)	Time	Concentration (ug/m³)	15-Min Avg Concentration (ug/m³)	Time	Concentration (ug/m³)	15-Min Avg Concentration (ug/m³)		
17:06	11.0	11.1	17:06	20.8	19.1	17:06	11.0	10.7	-	
17:07	10.0	11.1	17:07	19.8	19.1	17:07	11.0	10.8	-	
17:08	11.0	11.1	17:08	18.3	18.9	17:08	11.0	10.8	-	
17:09	10.3	11.1	17:09	18.0	18.8	17:09	11.5	10.8	-	
17:10	13.5	11.4	17:10	19.5	18.9	17:10	12.0	10.9	-	
17:11	18.5	11.9	17:11	21.3	19.2	17:11	12.0	11.0	-	
17:12	15.3	12.2	17:12	23.5	19.5	17:12	12.0	11.2	-	
17:13	14.3	12.4	17:13	21.5	19.7	17:13	12.0	11.3	-	
17:14	14.8	12.8	17:14	23.3	20.1	17:14	12.3	11.4	-	
17:15	12.0	12.9	17:15	20.8	20.1	17:15	13.0	11.5	-	
17:16	13.8	13.1	17:16	22.0	20.3	17:16	13.3	11.7	-	
17:17	12.5	13.3	17:17	25.0	20.7	17:17	14.0	11.9	-	
17:18	14.0	13.5	17:18	23.0	21.0	17:18	14.0	12.1	-	
17:19	21.0	13.8	17:19	28.5	21.6	17:19	14.0	12.3	-	
17:20	20.8	14.2	17:20	25.3	22.0	17:20	14.0	12.5	-	
17:21	15.5	14.5	17:21	20.3	22.0	17:21	14.0	12.7	-	
17:22	14.3	14.8	17:22	19.3	22.0	17:22	14.0	12.9	-	
17:23	13.8	14.9	17:23	20.0	22.1	17:23	14.0	13.1	-	
17:24	34.3	16.5	17:24	19.8	22.2	17:24	14.0	13.2	-	
17:25	35.3	18.0	17:25	19.0	22.2	17:25	14.0	13.4	-	
17:26	16.5	17.9	17:26	19.0	22.0	17:26	14.0	13.5	-	
17:27	15.0	17.8	17:27	19.5	21.7	17:27	15.0	13.7	-	
17:28	13.8	17.8	17:28	19.0	21.6	17:28	14.0	13.8	-	
17:29	12.8	17.7	17:29	19.0	21.3	17:29	14.3	14.0	-	
17:30	12.3	17.7	17:30	19.0	21.2	17:30	14.8	14.1	-	
17:31	13.5	17.7	17:31	18.0	20.9	17:31	15.0	14.2	-	
17:32	13.5	17.7	17:32	18.3	20.5	17:32	14.5	14.2	-	
17:33	12.0	17.6	17:33	19.0	20.2	17:33	14.5	14.3	-	
17:34	11.8	17.0	17:34	18.5	19.5	17:34	15.0	14.3	-	
17:35	11.3	16.4	17:35	18.0	19.0	17:35	14.0	14.3	-	
17:36	12.8	16.2	17:36	18.0	18.9	17:36	14.0	14.3	-	
17:37	15.8	16.3	17:37	18.0	18.8	17:37	14.0	14.3	-	
17:38	13.5	16.3	17:38	18.5	18.7	17:38	14.0	14.3	-	

Tuesday, January 17, 2023									
Number of Instances Where Downwind VOCs Exceeds Upwind VOCs + 5 = 0									
Number of Comparable Data Points = 620									
Start Time: 7:04									
End Time: 17:38									
PID DATA									
Upwind			Downwind						
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Exceeds Particulate Alarm Limit
7:04	0.0	-	7:04	0.0	-	7:04	0.0	-	-
7:05	0.0	-	7:05	0.0	-	7:05	0.0	-	-
7:06	0.0	-	7:06	0.0	-	7:06	0.0	-	-
7:07	0.0	-	7:07	0.0	-	7:07	0.0	-	-
7:08	0.0	-	7:08	0.0	-	7:08	0.0	-	-
7:09	0.0	-	7:09	0.0	-	7:09	0.0	-	-
7:10	0.0	-	7:10	0.0	-	7:10	0.0	-	-
7:11	0.0	-	7:11	0.0	-	7:11	0.0	-	-
7:12	0.0	-	7:12	0.0	-	7:12	0.0	-	-
7:13	0.0	-	7:13	0.0	-	7:13	0.0	-	-
7:14	0.0	-	7:14	0.0	-	7:14	0.0	-	-
7:15	0.0	-	7:15	0.0	-	7:15	0.0	-	-
7:16	0.0	-	7:16	0.0	-	7:16	0.0	-	-
7:17	0.0	-	7:17	0.0	-	7:17	0.0	-	-
7:18	0.0	-	7:18	0.0	-	7:18	0.0	-	-
7:19	0.0	0.0	7:19	0.0	0.0	7:19	0.0	0.0	-
7:20	0.0	0.0	7:20	0.0	0.0	7:20	0.0	0.0	-
7:21	0.0	0.0	7:21	0.0	0.0	7:21	0.0	0.0	-
7:22	0.0	0.0	7:22	0.0	0.0	7:22	0.0	0.0	-
7:23	0.0	0.0	7:23	0.0	0.0	7:23	0.0	0.0	-
7:24	0.0	0.0	7:24	0.0	0.0	7:24	0.0	0.0	-
7:25	0.0	0.0	7:25	0.0	0.0	7:25	0.0	0.0	-
7:26	0.0	0.0	7:26	0.0	0.0	7:26	0.0	0.0	-
7:27	0.0	0.0	7:27	0.0	0.0	7:27	0.0	0.0	-
7:28	0.0	0.0	7:28	0.0	0.0	7:28	0.0	0.0	-
7:29	0.0	0.0	7:29	0.0	0.0	7:29	0.0	0.0	-
7:30	0.0	0.0	7:30	0.0	0.0	7:30	0.0	0.0	-
7:31	0.0	0.0	7:31	0.0	0.0	7:31	0.0	0.0	-
7:32	0.0	0.0	7:32	0.0	0.0	7:32	0.0	0.0	-
7:33	0.0	0.0	7:33	0.0	0.0	7:33	0.0	0.0	-
7:34	0.0	0.0	7:34	0.0	0.0	7:34	0.0	0.0	-
7:35	0.0	0.0	7:35	0.0	0.0	7:35	0.0	0.0	-
7:36	0.0	0.0	7:36	0.0	0.0	7:36	0.0	0.0	-
7:37	0.0	0.0	7:37	0.0	0.0	7:37	0.0	0.0	-
7:38	0.0	0.0	7:38	0.0	0.0	7:38	0.0	0.0	-
7:39	0.0	0.0	7:39	0.0	0.0	7:39	0.0	0.0	-
7:40	0.0	0.0	7:40	0.0	0.0	7:40	0.0	0.0	-
7:41	0.0	0.0	7:41	0.0	0.0	7:41	0.0	0.0	-
7:42	0.0	0.0	7:42	0.0	0.0	7:42	0.0	0.0	-
7:43	0.0	0.0	7:43	0.0	0.0	7:43	0.0	0.0	-
7:44	0.0	0.0	7:44	0.0	0.0	7:44	0.0	0.0	-
7:45	0.0	0.0	7:45	0.0	0.0	7:45	0.0	0.0	-
7:46	0.0	0.0	7:46	0.0	0.0	7:46	0.0	0.0	-
7:47	0.0	0.0	7:47	0.0	0.0	7:47	0.0	0.0	-
7:48	0.0	0.0	7:48	0.0	0.0	7:48	0.0	0.0	-
7:49	0.0	0.0	7:49	0.0	0.0	7:49	0.0	0.0	-
7:50	0.0	0.0	7:50	0.0	0.0	7:50	0.0	0.0	-
7:51	0.0	0.0	7:51	0.0	0.0	7:51	0.0	0.0	-
7:52	0.0	0.0	7:52	0.0	0.0	7:52	0.0	0.0	-
7:53	0.0	0.0	7:53	0.0	0.0	7:53	0.0	0.0	-
7:54	0.0	0.0	7:54	0.0	0.0	7:54	0.0	0.0	-
7:55	0.0	0.0	7:55	0.0	0.0	7:55	0.0	0.0	-
7:56	0.0	0.0	7:56	0.0	0.0	7:56	0.0	0.0	-
7:57	0.0	0.0	7:57	0.0	0.0	7:57	0.0	0.0	-
7:58	0.0	0.0	7:58	0.0	0.0	7:58	0.0	0.0	-
7:59	0.0	0.0	7:59	0.0	0.0	7:59	0.0	0.0	-
8:00	0.0	0.0	8:00	0.0	0.0	8:00	0.0	0.0	-
8:01	0.0	0.0	8:01	0.0	0.0	8:01	0.0	0.0	-
8:02	0.0	0.0	8:02	0.0	0.0	8:02	0.0	0.0	-
8:03	0.0	0.0	8:03	0.0	0.0	8:03	0.0	0.0	-
8:04	0.0	0.0	8:04	0.0	0.0	8:04	0.0	0.0	-
8:05	0.0	0.0	8:05	0.0	0.0	8:05	0.0	0.0	-
8:06	0.0	0.0	8:06	0.0	0.0	8:06	0.0	0.0	-
8:07	0.0	0.0	8:07	0.0	0.0	8:07	0.0	0.0	-
8:08	0.0	0.0	8:08	0.0	0.0	8:08	0.0	0.0	-
8:09	0.0	0.0	8:09	0.0	0.0	8:09	0.0	0.0	-
8:10	0.0	0.0	8:10	0.0	0.0	8:10	0.0	0.0	-
8:11	0.0	0.0	8:11	0.0	0.0	8:11	0.0	0.0	-
8:12	0.0	0.0	8:12	0.0	0.0	8:12	0.0	0.0	-
8:13	0.0	0.0	8:13	0.0	0.0	8:13	0.0	0.0	-
8:14	0.0	0.0	8:14	0.0	0.0	8:14	0.0	0.0	-

PID DATA									
Upwind			Downwind						Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	
8:15	0.0	0.0	8:15	0.0	0.0	8:15	0.0	0.0	-
8:16	0.0	0.0	8:16	0.0	0.0	8:16	0.0	0.0	-
8:17	0.0	0.0	8:17	0.0	0.0	8:17	0.0	0.0	-
8:18	0.0	0.0	8:18	0.0	0.0	8:18	0.0	0.0	-
8:19	0.0	0.0	8:19	0.0	0.0	8:19	0.0	0.0	-
8:20	0.0	0.0	8:20	0.0	0.0	8:20	0.0	0.0	-
8:21	0.0	0.0	8:21	0.0	0.0	8:21	0.0	0.0	-
8:22	0.0	0.0	8:22	0.0	0.0	8:22	0.0	0.0	-
8:23	0.0	0.0	8:23	0.0	0.0	8:23	0.0	0.0	-
8:24	0.0	0.0	8:24	0.0	0.0	8:24	0.0	0.0	-
8:25	0.0	0.0	8:25	0.0	0.0	8:25	0.0	0.0	-
8:26	0.0	0.0	8:26	0.0	0.0	8:26	0.0	0.0	-
8:27	0.0	0.0	8:27	0.0	0.0	8:27	0.0	0.0	-
8:28	0.0	0.0	8:28	0.0	0.0	8:28	0.0	0.0	-
8:29	0.0	0.0	8:29	0.0	0.0	8:29	0.0	0.0	-
8:30	0.0	0.0	8:30	0.0	0.0	8:30	0.0	0.0	-
8:31	0.0	0.0	8:31	0.0	0.0	8:31	0.0	0.0	-
8:32	0.0	0.0	8:32	0.0	0.0	8:32	0.0	0.0	-
8:33	0.0	0.0	8:33	0.0	0.0	8:33	0.0	0.0	-
8:34	0.0	0.0	8:34	0.0	0.0	8:34	0.0	0.0	-
8:35	0.0	0.0	8:35	0.0	0.0	8:35	0.0	0.0	-
8:36	0.0	0.0	8:36	0.0	0.0	8:36	0.0	0.0	-
8:37	0.0	0.0	8:37	0.0	0.0	8:37	0.0	0.0	-
8:38	0.0	0.0	8:38	0.0	0.0	8:38	0.0	0.0	-
8:39	0.0	0.0	8:39	0.0	0.0	8:39	0.0	0.0	-
8:40	0.0	0.0	8:40	0.0	0.0	8:40	0.0	0.0	-
8:41	0.0	0.0	8:41	0.0	0.0	8:41	0.0	0.0	-
8:42	0.0	0.0	8:42	0.0	0.0	8:42	0.0	0.0	-
8:43	0.0	0.0	8:43	0.0	0.0	8:43	0.0	0.0	-
8:44	0.0	0.0	8:44	0.0	0.0	8:44	0.0	0.0	-
8:45	0.0	0.0	8:45	0.0	0.0	8:45	0.0	0.0	-
8:46	0.0	0.0	8:46	0.0	0.0	8:46	0.0	0.0	-
8:47	0.0	0.0	8:47	0.0	0.0	8:47	0.0	0.0	-
8:48	0.0	0.0	8:48	0.0	0.0	8:48	0.0	0.0	-
8:49	0.0	0.0	8:49	0.0	0.0	8:49	0.0	0.0	-
8:50	0.0	0.0	8:50	0.0	0.0	8:50	0.0	0.0	-
8:51	0.0	0.0	8:51	0.0	0.0	8:51	0.0	0.0	-
8:52	0.0	0.0	8:52	0.0	0.0	8:52	0.0	0.0	-
8:53	0.0	0.0	8:53	0.0	0.0	8:53	0.0	0.0	-
8:54	0.0	0.0	8:54	0.0	0.0	8:54	0.0	0.0	-
8:55	0.0	0.0	8:55	0.0	0.0	8:55	0.0	0.0	-
8:56	0.0	0.0	8:56	0.0	0.0	8:56	0.0	0.0	-
8:57	0.0	0.0	8:57	0.0	0.0	8:57	0.0	0.0	-
8:58	0.0	0.0	8:58	0.0	0.0	8:58	0.0	0.0	-
8:59	0.0	0.0	8:59	0.0	0.0	8:59	0.0	0.0	-
9:00	0.0	0.0	9:00	0.0	0.0	9:00	0.0	0.0	-
9:01	0.0	0.0	9:01	0.0	0.0	9:01	0.0	0.0	-
9:02	0.0	0.0	9:02	0.0	0.0	9:02	0.0	0.0	-
9:03	0.0	0.0	9:03	0.0	0.0	9:03	0.0	0.0	-
9:04	0.0	0.0	9:04	0.0	0.0	9:04	0.0	0.0	-
9:05	0.0	0.0	9:05	0.0	0.0	9:05	0.0	0.0	-
9:06	0.0	0.0	9:06	0.0	0.0	9:06	0.0	0.0	-
9:07	0.0	0.0	9:07	0.0	0.0	9:07	0.0	0.0	-
9:08	0.0	0.0	9:08	0.0	0.0	9:08	0.0	0.0	-
9:09	0.0	0.0	9:09	0.0	0.0	9:09	0.0	0.0	-
9:10	0.0	0.0	9:10	0.0	0.0	9:10	0.0	0.0	-
9:11	0.0	0.0	9:11	0.0	0.0	9:11	0.0	0.0	-
9:12	0.0	0.0	9:12	0.0	0.0	9:12	0.0	0.0	-
9:13	0.0	0.0	9:13	0.0	0.0	9:13	0.0	0.0	-
9:14	0.0	0.0	9:14	0.0	0.0	9:14	0.0	0.0	-
9:15	0.0	0.0	9:15	0.0	0.0	9:15	0.0	0.0	-
9:16	0.0	0.0	9:16	0.0	0.0	9:16	0.0	0.0	-
9:17	0.0	0.0	9:17	0.0	0.0	9:17	0.0	0.0	-
9:18	0.0	0.0	9:18	0.0	0.0	9:18	0.0	0.0	-
9:19	0.0	0.0	9:19	0.0	0.0	9:19	0.0	0.0	-
9:20	0.0	0.0	9:20	0.0	0.0	9:20	0.0	0.0	-
9:21	0.0	0.0	9:21	0.0	0.0	9:21	0.0	0.0	-
9:22	0.0	0.0	9:22	0.0	0.0	9:22	0.0	0.0	-
9:23	0.0	0.0	9:23	0.0	0.0	9:23	0.0	0.0	-
9:24	0.0	0.0	9:24	0.0	0.0	9:24	0.0	0.0	-
9:25	0.0	0.0	9:25	0.0	0.0	9:25	0.0	0.0	-
9:26	0.0	0.0	9:26	0.0	0.0	9:26	0.0	0.0	-
9:27	0.0	0.0	9:27	0.0	0.0	9:27	0.0	0.0	-
9:28	0.0	0.0	9:28	0.0	0.0	9:28	0.0	0.0	-
9:29	0.0	0.0	9:29	0.0	0.0	9:29	0.0	0.0	-
9:30	0.0	0.0	9:30	0.0	0.0	9:30	0.0	0.0	-

PID DATA									Exceeds Particulate Alarm Limit	
Upwind			Downwind							
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Time	Concentration (ppm)	15-Min Avg Concentration (ppm)		
9:31	0.0	0.0	9:31	0.0	0.0	9:31	0.0	0.0	-	
9:32	0.0	0.0	9:32	0.0	0.0	9:32	0.0	0.0	-	
9:33	0.0	0.0	9:33	0.0	0.0	9:33	0.0	0.0	-	
9:34	0.0	0.0	9:34	0.0	0.0	9:34	0.0	0.0	-	
9:35	0.0	0.0	9:35	0.0	0.0	9:35	0.0	0.0	-	
9:36	0.0	0.0	9:36	0.0	0.0	9:36	0.0	0.0	-	
9:37	0.0	0.0	9:37	0.0	0.0	9:37	0.0	0.0	-	
9:38	0.0	0.0	9:38	0.0	0.0	9:38	0.0	0.0	-	
9:39	0.0	0.0	9:39	0.0	0.0	9:39	0.0	0.0	-	
9:40	0.0	0.0	9:40	0.0	0.0	9:40	0.0	0.0	-	
9:41	0.0	0.0	9:41	0.0	0.0	9:41	0.0	0.0	-	
9:42	0.0	0.0	9:42	0.0	0.0	9:42	0.0	0.0	-	
9:43	0.0	0.0	9:43	0.0	0.0	9:43	0.0	0.0	-	
9:44	0.0	0.0	9:44	0.0	0.0	9:44	0.0	0.0	-	
9:45	0.0	0.0	9:45	0.0	0.0	9:45	0.0	0.0	-	
9:46	0.0	0.0	9:46	0.0	0.0	9:46	0.0	0.0	-	
9:47	0.0	0.0	9:47	0.0	0.0	9:47	0.0	0.0	-	
9:48	0.0	0.0	9:48	0.0	0.0	9:48	0.0	0.0	-	
9:49	0.0	0.0	9:49	0.0	0.0	9:49	0.0	0.0	-	
9:50	0.0	0.0	9:50	0.0	0.0	9:50	0.0	0.0	-	
9:51	0.0	0.0	9:51	0.0	0.0	9:51	0.0	0.0	-	
9:52	0.0	0.0	9:52	0.0	0.0	9:52	0.0	0.0	-	
9:53	0.0	0.0	9:53	0.0	0.0	9:53	0.0	0.0	-	
9:54	0.0	0.0	9:54	0.0	0.0	9:54	0.0	0.0	-	
9:55	0.0	0.0	9:55	0.0	0.0	9:55	0.0	0.0	-	
9:56	0.0	0.0	9:56	0.0	0.0	9:56	0.0	0.0	-	
9:57	0.0	0.0	9:57	0.0	0.0	9:57	0.0	0.0	-	
9:58	0.0	0.0	9:58	0.0	0.0	9:58	0.0	0.0	-	
9:59	0.0	0.0	9:59	0.0	0.0	9:59	0.0	0.0	-	
10:00	0.0	0.0	10:00	0.0	0.0	10:00	0.0	0.0	-	
10:01	0.0	0.0	10:01	0.0	0.0	10:01	0.0	0.0	-	
10:02	0.0	0.0	10:02	0.0	0.0	10:02	0.0	0.0	-	
10:03	0.0	0.0	10:03	0.0	0.0	10:03	0.0	0.0	-	
10:04	0.0	0.0	10:04	0.0	0.0	10:04	0.0	0.0	-	
10:05	0.0	0.0	10:05	0.0	0.0	10:05	0.0	0.0	-	
10:06	0.0	0.0	10:06	0.0	0.0	10:06	0.0	0.0	-	
10:07	0.0	0.0	10:07	0.0	0.0	10:07	0.0	0.0	-	
10:08	0.0	0.0	10:08	0.0	0.0	10:08	0.0	0.0	-	
10:09	0.0	0.0	10:09	0.0	0.0	10:09	0.0	0.0	-	
10:10	0.0	0.0	10:10	0.0	0.0	10:10	0.0	0.0	-	
10:11	0.0	0.0	10:11	0.0	0.0	10:11	0.0	0.0	-	
10:12	0.0	0.0	10:12	0.0	0.0	10:12	0.0	0.0	-	
10:13	0.0	0.0	10:13	0.0	0.0	10:13	0.0	0.0	-	
10:14	0.0	0.0	10:14	0.0	0.0	10:14	0.0	0.0	-	
10:15	0.0	0.0	10:15	0.0	0.0	10:15	0.0	0.0	-	
10:16	0.0	0.0	10:16	0.0	0.0	10:16	0.0	0.0	-	
10:17	0.0	0.0	10:17	0.0	0.0	10:17	0.0	0.0	-	
10:18	0.0	0.0	10:18	0.0	0.0	10:18	0.0	0.0	-	
10:19	0.0	0.0	10:19	0.0	0.0	10:19	0.0	0.0	-	
10:20	0.0	0.0	10:20	0.0	0.0	10:20	0.0	0.0	-	
10:21	0.0	0.0	10:21	0.0	0.0	10:21	0.0	0.0	-	
10:22	0.0	0.0	10:22	0.0	0.0	10:22	0.0	0.0	-	
10:23	0.0	0.0	10:23	0.0	0.0	10:23	0.0	0.0	-	
10:24	0.1	0.0	10:24	0.0	0.0	10:24	0.0	0.0	-	
10:25	0.0	0.0	10:25	0.0	0.0	10:25	0.0	0.0	-	
10:26	0.0	0.0	10:26	0.0	0.0	10:26	0.0	0.0	-	
10:27	0.0	0.0	10:27	0.0	0.0	10:27	0.0	0.0	-	
10:28	0.0	0.0	10:28	0.0	0.0	10:28	0.0	0.0	-	
10:29	0.0	0.0	10:29	0.0	0.0	10:29	0.0	0.0	-	
10:30	0.0	0.0	10:30	0.0	0.0	10:30	0.0	0.0	-	
10:31	0.0	0.0	10:31	0.0	0.0	10:31	0.0	0.0	-	
10:32	0.0	0.0	10:32	0.0	0.0	10:32	0.0	0.0	-	
10:33	0.0	0.0	10:33	0.0	0.0	10:33	0.0	0.0	-	
10:34	0.0	0.0	10:34	0.0	0.0	10:34	0.0	0.0	-	
10:35	0.0	0.0	10:35	0.0	0.0	10:35	0.0	0.0	-	
10:36	0.0	0.0	10:36	0.0	0.0	10:36	0.0	0.0	-	
10:37	0.0	0.0	10:37	0.0	0.0	10:37	0.0	0.0	-	
10:38	0.0	0.0	10:38	0.0	0.0	10:38	0.0	0.0	-	
10:39	0.0	0.0	10:39	0.0	0.0	10:39	0.0	0.0	-	
10:40	0.0	0.0	10:40	0.0	0.0	10:40	0.0	0.0	-	
10:41	0.0	0.0	10:41	0.0	0.0	10:41	0.0	0.0	-	
10:42	0.0	0.0	10:42	0.0	0.0	10:42	0.0	0.0	-	
10:43	0.0	0.0	10:43	0.0	0.0	10:43	0.0	0.0	-	
10:44	0.0	0.0	10:44	0.0	0.0	10:44	0.0	0.0	-	
10:45	0.0	0.0	10:45	0.0	0.0	10:45	0.0	0.0	-	
10:46	0.0	0.0	10:46	0.0	0.0	10:46	0.0	0.0	-	

PID DATA										
Upwind			Downwind							Exceeds Particulate Alarm Limit
Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Time	Concentration (ppm)	15-Min Avg Concentration (ppm)	Time	Concentration (ppm)	15-Min Avg Concentration (ppm)		
17:07	0.0	0.0	17:07	0.0	0.0	17:07	0.0	0.0	-	
17:08	0.0	0.0	17:08	0.0	0.0	17:08	0.0	0.0	-	
17:09	0.0	0.0	17:09	0.0	0.0	17:09	0.0	0.0	-	
17:10	0.0	0.0	17:10	0.0	0.0	17:10	0.0	0.0	-	
17:11	0.0	0.0	17:11	0.0	0.0	17:11	0.0	0.0	-	
17:12	0.0	0.0	17:12	0.0	0.0	17:12	0.0	0.0	-	
17:13	0.0	0.0	17:13	0.0	0.0	17:13	0.0	0.0	-	
17:14	0.0	0.0	17:14	0.0	0.0	17:14	0.0	0.0	-	
17:15	0.0	0.0	17:15	0.0	0.0	17:15	0.0	0.0	-	
17:16	0.0	0.0	17:16	0.0	0.0	17:16	0.0	0.0	-	
17:17	0.0	0.0	17:17	0.0	0.0	17:17	0.0	0.0	-	
17:18	0.0	0.0	17:18	0.0	0.0	17:18	0.0	0.0	-	
17:19	0.0	0.0	17:19	0.0	0.0	17:19	0.0	0.0	-	
17:20	0.0	0.0	17:20	0.0	0.0	17:20	0.0	0.0	-	
17:21	0.0	0.0	17:21	0.0	0.0	17:21	0.0	0.0	-	
17:22	0.0	0.0	17:22	0.0	0.0	17:22	0.0	0.0	-	
17:23	0.0	0.0	17:23	0.0	0.0	17:23	0.0	0.0	-	
17:24	0.0	0.0	17:24	0.0	0.0	17:24	0.0	0.0	-	
17:25	0.0	0.0	17:25	0.0	0.0	17:25	0.0	0.0	-	
17:26	0.0	0.0	17:26	0.0	0.0	17:26	0.0	0.0	-	
17:27	0.0	0.0	17:27	0.0	0.0	17:27	0.0	0.0	-	
17:28	0.0	0.0	17:28	0.0	0.0	17:28	0.0	0.0	-	
17:29	0.0	0.0	17:29	0.0	0.0	17:29	0.0	0.0	-	
17:30	0.0	0.0	17:30	0.0	0.0	17:30	0.0	0.0	-	
17:31	0.0	0.0	17:31	0.0	0.0	17:31	0.0	0.0	-	
17:32	0.0	0.0	17:32	0.0	0.0	17:32	0.0	0.0	-	
17:33	0.0	0.0	17:33	0.0	0.0	17:33	0.0	0.0	-	
17:34	0.0	0.0	17:34	0.0	0.0	17:34	0.0	0.0	-	
17:35	0.0	0.0	17:35	0.0	0.0	17:35	0.0	0.0	-	
17:36	0.0	0.0	17:36	0.0	0.0	17:36	0.0	0.0	-	
17:37	0.0	0.0	17:37	0.0	0.0	17:37	0.0	0.0	-	
17:38	0.0	0.0	17:38	0.0	0.0	17:38	0.0	0.0	-	