

QUARTERLY DATA SUMMARY REPORT FIRST QUARTER 2015

NIAGARA COUNTY REFUSE DISTRICT SITE

Wheatfield, Niagara County, New York

(NYSDEC Site No. 9-32-026)

SUBMITTED TO:



UNITED STATES
ENVIRONMENTAL PROTECTION
AGENCY



NEW YORK STATE
DEPARTMENT OF
ENVIRONMENTAL CONSERVATION

SUBMITTED FOR:

**NIAGARA COUNTY REFUSE DISTRICT
AND PRP GROUP**

PREPARED BY:

PARSONS

40 La Riviere Drive, Suite 350
Buffalo, New York 14202
(716) 541-0730 Fax (716) 541-0760

April 2015

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SECTION 1

INTRODUCTION

The Niagara County Refuse Site Potentially Responsible Parties (PRP) Group completed a remedial action at the Niagara County Refuse Site (Site), Wheatfield, New York in 2000. The remedial action was conducted in accordance with the United States Environmental Protection Agency (USEPA) Record of Decision (USEPA, 1993) and the United States District Court Consent Decree (USEPA, 1995). The PRP Group is currently performing operations, maintenance, and monitoring (OM&M) in accordance with the USEPA-approved OM&M Manual (CRA, 2000). This data report summarizes the first quarter monitoring activities conducted from January through March 2015.

1.1 PROCEDURES

1.1.1 Effluent Sampling

The current Industrial Wastewater Discharge Permit (Appendix A) was issued by the City of North Tonawanda, and is effective from March 31, 2013 through April 1, 2016. The current permit has a reduced analytical parameter list compared to the original permit, and a semi-annual sampling frequency. Prior to March 2007, samples were collected monthly. During the current reporting period (January through March 2015), an effluent sample was not collected. The next effluent sample is scheduled to be collected in April 2015. Effluent samples are collected from Wet Well A, which receives water from the leachate collection system surrounding the landfill. Composite 24-hour samples are collected from Wet Well A using an automated sampler.

1.1.2 Groundwater Sampling

Groundwater samples were not collected during this reporting period. In accordance with the approved OM&M Plan (CRA, 2000), the groundwater sampling frequency was decreased from a quarterly to a semi-annual basis in 2003, and from a semi-annual to an annual basis beginning in 2006. The next round of groundwater samples is scheduled to be collected in April 2015.

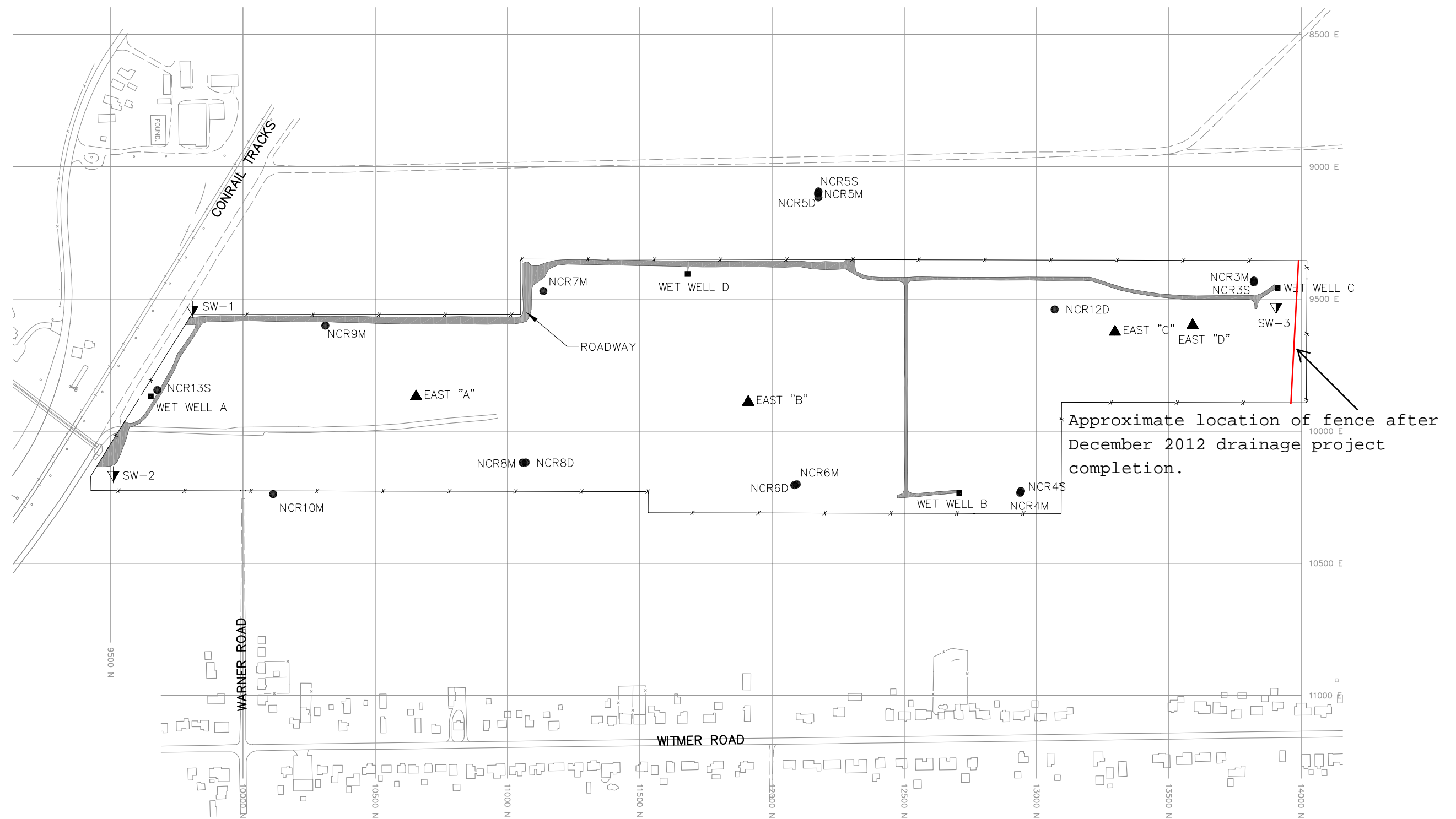
1.1.3 Water Level Measurements

Water levels were measured during monthly Site inspections in January, February, and March 2015. Water levels were measured at four observation well locations (Piezometers East A, East B, East C, and East D), four effluent monitoring locations (Wet Wells A, B, C, and D), and four monitoring well locations (NCR-3S, NCR-4S, NCR-5S, and NCR-13S). The water levels were measured with an electronic water level indicator, and reported as an elevation above mean sea level. Figure 1.1 shows the locations of the water level monitoring points.

1.1.4 Site Inspections

Monthly Site inspections were conducted on January 3, February 28, and March 22, 2015. During the Site inspections, the manholes, wet wells, landfill cap, wetlands, perimeter fence,

drainage ditches, swale outlets, culverts, gas vents, and monitoring wells were each visually inspected.



LEGEND

- | | |
|--------------|---|
| ▲ EAST "A" | WATER LEVEL MONITORING WELL LOCATION |
| ▼ SW-2 | SURFACE WATER MONITORING LOCATION |
| ■ WET WELL A | EFFLUENT MONITORING LOCATION |
| ● NCR13S | GROUNDWATER QUALITY MONITORING LOCATION |

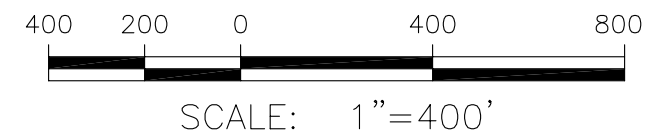


FIGURE 1.1

NIAGARA COUNTY REFUSE SITE
WHEATFIELD, NEW YORK
SITE PLAN

PARSONS

180 LAWRENCE BELL DRIVE, SUITE 104, WILLIAMSVILLE, N.Y. 14221, PHONE: 716-633-7074

SECTION 2

RESULTS

This section describes the results of the first quarter OM&M activities conducted from January through March 2015. Activities during this quarter included water level measurements, monthly Site inspections, and snow removal.

2.1 EFFLUENT SAMPLES

No effluent samples were required to be collected under the discharge permit during the reporting period. The next effluent sampling is scheduled to be collected in April 2015. The current City of North Tonawanda Industrial Wastewater Discharge Permit (March 31, 2013 through April 1, 2016) has been included in Appendix A.

2.2 GROUNDWATER ANALYTICAL RESULTS

Monitoring wells NCR-3S, NCR-4S, NCR-5S, and NCR-13S were not sampled during this reporting quarter, based on the current annual groundwater sampling schedule specified in the OM&M Manual (CRA, 2000). Groundwater sample collection for the above-listed wells is planned for April 2015, assuming groundwater levels are adequate, and sufficient water is available for sampling within the wells. The locations of the monitoring wells are provided in Figure 1.1.

2.3 WATER LEVELS

Results of water level measurements collected during this reporting period are presented in Appendix B. Water levels were collected from the monitoring locations on January 3, February 28, and March 22, 2015. Water levels in the monitoring wells generally increased over the reporting quarter, with one well dry in January. Measured water levels were consistent with the levels observed in previous years between January and March.

2.4 SITE INSPECTIONS

A summary of the Site inspection findings is included in Table 2.1. Copies of the Site Inspection Logs have been included in Appendix C.

Each of the inspections found the manholes and wet wells to be in good condition. Water levels were measured in the wet wells during the inspections and recorded on the water level records.

Examination of the landfill cap vegetative cover included checking for erosion, bare areas, wash-outs, leachate seeps, height of vegetation, and assessing the condition of the vegetation. No surface erosion or leachate seeps were noted. The grass covering on the landfill was noted as tall in January and snow covered in February and March.

Additionally, the access roads were examined for erosion, potholes/puddles, and obstructions. All aspects of the access roads that were examined were deemed acceptable in January, and snow covered in February and March.

The wetlands were visually examined to assess the condition of the vegetation, change in water levels, and to observe general conditions. No issues were noted with the wetland vegetation during the inspections. The general condition of the wetlands was noted as good during the January and March inspections, and snow covered during the February inspection.

All other parts of the landfill system which were examined, including the drainage ditches, swale outlets, culverts, and gas vents, were found to be in acceptable condition during the reporting period.

2.5 MAINTENANCE

Scheduled maintenance during the reporting period included clearing snow from the wells for access. Scheduled maintenance during the reporting period was completed as follows:

- On February 28, snow was shoveled from the wells and wet wells to improve access.

No unscheduled maintenance during the reporting period was required.

A copy of the Maintenance Record Log has been included in Appendix D.

No major repairs were required during the reporting period.

2.6 OM&M OVERSIGHT

Parsons' Quality Assurance (QA) work included periodic oversight of OM&M activities by O&M Enterprises, Inc., review of monthly inspection and monitoring data, and periodic communications with O&M Enterprises. Upon completion of work performed by O&M Enterprises, routine activity report forms were completed. Parsons reviewed the report forms for completeness, and recorded problems, if any, on the forms (Appendices B, C, and D).

Table 2.1
Quarterly Site Inspection Results Summary

Inspection Item	Acceptable	Requires Action	Comments
Manholes	X		
Wet Wells	X		Water levels were measured monthly. Snow covered in February
Wetlands	X		Water level was noted to be normal in January and March, and snow/ice covered in February during the inspections. Water levels were within the historical range.
Perimeter Fence	X		No damage was observed during the quarter.
Condition of Roads	X		No potholes were observed but roads were covered in snow in February and March.
Integrity of the Cap	X		No erosion was observed. Vegetation was tall during the January inspection and snow covered in February and March.
Drainage Ditches/Swales	X		Vegetation in the ditches and swales was noted to be typical for winter conditions in January, and snow covered in February and March.
Gas Venting System	X		
Wells	X		Water levels were measured monthly.
Culverts	X		
Other	X		No issues were identified during the reporting period with any other aspects of the site.

SECTION 3

SUMMARY AND CONCLUSIONS

The following summary and conclusions were developed based on the data collected during this reporting period:

- The landfill was inspected monthly and was appropriately maintained. No repairs were required during the reporting period.
- As specified in the OM&M Manual, annual groundwater monitoring commenced in 2006. Groundwater samples are currently scheduled to be collected in April 2015, assuming sufficient groundwater is available in the wells.
- Water levels were measured in the wet wells, monitoring wells, and the observation wells on the landfill on a monthly basis. Water levels in the monitoring wells generally increased during the reporting period, with one well dry in January. Measured water levels were consistent with levels observed in previous years between January and March.
- Wetlands vegetation was in a condition typical for the time of year during the January and March inspections, and snow covered during the February inspection. The wetlands vegetation will continue to be visually assessed during the monthly site inspections.

SECTION 4

REFERENCES

Record of Decision, Niagara County Refuse Site, Wheatfield, Niagara County, New York; United States Environmental Protection Agency, September 1993.

Consent Decree, Docket 946-849; United States Environmental Protection Agency, February 3, 1995.

Operations, Maintenance and Monitoring Manual for Niagara County Refuse District Site Remedial Construction, Wheatfield, Niagara County, New York; Conestoga-Rovers & Associates, December 2000.

APPENDIX A

CITY OF NORTH TONAWANDA INDUSTRIAL WASTEWATER DISCHARGE PERMIT AND CHAIN-OF-CUSTODY

**CITY OF NORTH TONAWANDA
INDUSTRIAL WASTEWATER DISCHARGE PERMIT**

Permit Number: 2628010

In accordance with the provisions of the Clean Water Act as amended, all terms and conditions set forth in this permit, the City of North Tonawanda Local Sewer Use Ordinance and any applicable Federal, State or local laws or regulations, authorization is hereby granted to:

Niagara County Department of Public Works

Engineering Department

59 Park Avenue

Lockport, NY 14094

Site: Niagara County Refuse Site

Witmer Road

Town of Wheatfield, NY 14120

Classified by S.I.C. Number(s): N/A

for the discharge of ground water and other wastes generated during Remedial Action construction and implementation into the City of North Tonawanda Sewerage System.

This permit is granted in accordance with an application filed in the offices of the Water/Wastewater Superintendent located at 830 River Road, and in conformity with specifications and other required data submitted in support of the above named application, all of which are filed with and considered part of this permit. This permit is also granted in accordance with discharge limitations and requirements, monitoring and reporting requirements, and all other conditions set forth in Parts I and II hereof.

Effective this 31st day of March, 2013

To expire the 1st day of April, 2016



David A. Scott, Water Works Superintendent

Signed this 4th day of March, 2013

PERMIT NUMBER: 2628011**Part I
Page 2 of 4****PART I. SPECIFIC CONDITIONS****A. DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS**

During the period beginning the effective date of this permit and lasting until the expiration date, discharge from the permitted facility outfall(s) shall be limited and monitored by the permittee as specified below (Refer to attached map for sampling and monitoring sites).

Sample Point	Parameter	Discharge Limitations mg/l except pH Daily Max.	Sampling Period	Sampling Type
001	Total Flow		1 Sampling Day Monthly	continuous
	pH	Monitor Only	1 Sampling Day Monthly	grab
	Aluminum	2.0	1 Sampling Day semi-annual	24 hr comp.
	Lead	4.6	1 Sampling Day semi-annual	24 hr comp.
	Iron	10	1 Sampling Day semi-annual	24 hr comp.
	Magnesium	Monitor Only	1 Sampling Day semi-annual	24 hr comp.
	Sodium	Monitor Only	1 Sampling Day semi-annual	24 hr comp.
	BOD	Monitor Only	1 Sampling Day semi-annual	24 hr comp.
	Total Suspended Solids	Monitor Only	1 Sampling Day semi-annual	24 hr comp.

PERMIT NUMBER: 2628011**Part I**
Page 3 of 4**PART I. SPECIFIC CONDITIONS****B. DISCHARGE MONITORING AND REPORTING REQUIREMENTS**

During the period beginning the effective date of this permit and lasting until the expiration date, discharge monitoring results shall be summarized and reported by the permittee no later than the days specified below.

Sample Point	Parameter	Initial Monitoring Report	Subsequent Monitoring Reports
001	Total Flow	January 31, 2007	Semi-annual
	Lead	January 31, 2007	Semi-annual
	Iron	January 31, 2007	Semi-annual
	Magnesium	January 31, 2007	Semi-annual
	Sodium	January 31, 2007	Semi-annual
	pH	January 31, 2007	Semi-annual
	BOD	January 31, 2007	Semi-annual
	Total Suspended Solids	January 31, 2007	Semi-annual

PERMIT NUMBER: 2628011**Part I**
Page 4 of 4**PART I. SPECIFIC CONDITIONS****C. SPECIAL REQUIREMENTS**

- 1) This permit is written for a duration of three (3) years. Upon renewal of this permit, all parameters will be re-evaluated to develop a parameter list based on chemical concentrations present in the extracted groundwater.
- 2) Frequency of monitoring is to be re-evaluated yearly.
- 3) All monitoring reports (initial and subsequent), are to be received by the Superintendent, no later than thirty (30) days after receipt of validated data.
- 4) It is required that the Permittee have a Site Operations Manual available at all times. All emergency phone numbers must be listed in an appropriate place for easy access by operations personnel. The Permittee shall not discharge into the City of North Tonawanda sewerage treatment works during WWTP overflow conditions. The Permittee is required to cease all pumping operations upon verbal request of the North Tonawanda Water/Wastewater Superintendent or his designee. Pumping operations shall not recommence until approval by the North Tonawanda Water/Wastewater Superintendent or his designee.
- 5) Analysts are required to use GC/MS method detection limits for most organics (if GC/MS is appropriate); GC/ECD for PCB's/Pesticides and GF method detection limits for metals (where GF is appropriate), as contained in attachment 5 of the NYSDEC TOGs 1.3.8 – New Discharges to Publicly Owned Treatment Works – dated 10/26/94.

APPENDIX B

WATER LEVEL RECORDS

WATER LEVEL RECORD

PROJECT NAME: *NIAGARA COUNTY
REFUSE SITE*

LOCATION: Wheatfield, New York

DATE: 1/3/2015
(MM DD YY)

CREW MEMBERS: RC Becken

Observation Well	Time of Measurement	Top of Casing Elevation A	Depth to Water B	Water Level Elevation A-B
		feet	feet	feet
EAST "A"	1:00	598.93	26.8	572.13
EAST "B"	12:50	596.23	16.01	580.22
EAST "C"	12:40	598.69	21.06	577.63
EAST "D"	12:25	593.20	15.8	577.4
NCR-3S	12:10	579.60	4.1	575.50
NCR-4S	11:40	577.88	3.8	574.08
NCR-5S	11:25	579.34	dry	
NCR-13S	10:50	577.15	6.48	570.67

WET WELLS

Wet Well	Time of Measurement	Total Flow	Depth of Water
WW A	10:45		~11"
WW B	11:35		~4"
WW C	12:05		~6"
WW D	10:55		~4"

Total System Flow	Time of Measurement
40829000	10:45

FP-3D

WATER LEVEL RECORD

PROJECT NAME: *NIAGARA COUNTY
REFUSE SITE*

LOCATION: Wheatfield, New York

DATE: 2/28/2015
(MM DD YY)

CREW MEMBERS: Matt Shumate

Observation Well	Time of Measurement	Top of Casing Elevation A	Depth to Water B	Water Level Elevation A-B
		feet	feet	feet
EAST "A"	11:10	598.93	26.12	572.81
EAST "B"	11:25	596.23	15.56	580.67
EAST "C"	11:50	598.69	20.45	578.24
EAST "D"	12:10	593.20	15.51	577.69
NCR-3S	9:50	579.60	3.5	576.10
NCR-4S	10:10	577.88	2.96	574.92
NCR-5S	10:50	579.34	6.51	572.83
NCR-13S	8:55	577.13	4.63	572.50

WET WELLS

Wet Well	Time of Measurement	Total Flow	Depth of Water
WW A	8:45		~6"
WW B	10:25		~5"
WW C	9:35		~10"
WW D	9:10		~5"

Total System Flow	Time of Measurement
44675000	8:45

FP-3D

WATER LEVEL RECORD

PROJECT NAME: *NIAGARA COUNTY
REFUSE SITE*

LOCATION: Wheatfield, New York

DATE: 3/22/2015
(MM DD YY)

CREW MEMBERS: M Shumate

Observation Well	Time of Measurement	Top of Casing Elevation A	Depth to Water B	Water Level Elevation A-B
		feet	feet	feet
EAST "A"	11:55	598.93	26	572.93
EAST "B"	12:10	596.23	20.05	576.18
EAST "C"	12:25	598.69	20.5	578.19
EAST "D"	12:45	593.20	15.65	577.55
NCR-3S	10:25	579.60	3.9	575.70
NCR-4S	11:00	577.88	2.1	575.78
NCR-5S	11:30	579.34	7.4	571.94
NCR-13S	9:40	577.15	4.1	573.05

WET WELLS

Wet Well	Time of Measurement	Total Flow	Depth of Water
WW A	9:30		~7"
WW B	10:55		~6"
WW C	10:20		~6"
WW D	11:15		~7"

Total System Flow	Time of Measurement
47725000	9:30

FP-3D

APPENDIX C
MONTHLY INSPECTION LOGS

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

 DATE: 1/3/2015
 (MM DD YY)
INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
1 Perimeter collection System/Off-Site Forcemain			
<input type="checkbox"/> Manholes	- cover on securely	<u>none</u>	<u>yes</u>
<input type="checkbox"/>	- condition of cover	<u>none</u>	<u>good</u>
<input type="checkbox"/>	- condition of inside of manhole	<u>none</u>	<u>good</u>
<input type="checkbox"/>	- flow conditions	<u>none</u>	<u>good</u>
<input type="checkbox"/> Wet Wells	- cover on securely	<u>none</u>	<u>yes</u>
<input type="checkbox"/>	- condition of cover	<u>none</u>	<u>good</u>
<input type="checkbox"/>	- condition of inside of wet well	<u>none</u>	<u>good</u>
2 Landfill Cap			
<input type="checkbox"/> Vegetated Soil Cover	- erosion	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- bare areas	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- washouts	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- leachate seeps	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- length of vegetation	<u>none</u>	<u>tall</u>
<input type="checkbox"/>	- dead/dying vegetation	<u>none</u>	<u>none</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

 DATE: 1/3/2015
 (MM DD YY)
INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
2 Landfill Cap (continued)			
<input type="checkbox"/> Access Roads	- bare areas, dead/dying veg.	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- erosion	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- potholes or puddles	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- obstruction	<u>none</u>	<u>none</u>
3 Wetlands (Area "F")	- dead/dying vegetation	<u>none</u>	<u>typical for winter</u>
	- change in water budget	<u>none</u>	<u>normal</u>
	- general conditions of wetlands	<u>none</u>	<u>good</u>
4 Other Site Systems			
<input type="checkbox"/> Perimeter Fence	- integrity of fence	<u>none</u>	<u>good</u>
<input type="checkbox"/>	- integrity of gates	<u>none</u>	<u>good</u>
<input type="checkbox"/>	- integrity of locks	<u>none</u>	<u>good</u>
<input type="checkbox"/>	- placement and condition of signs	<u>none</u>	<u>good</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 1/3/2015
(MM DD YY)INSPECTOR(S): RC Becken

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
4 Other Site Systems (continued)			
<input type="checkbox"/> Drainage Ditches/	- sediment buildup	<u>none</u>	<u>none</u>
<input type="checkbox"/> Swale Outlets	- erosion	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- condition of erosion protection	<u>none</u>	<u>good</u>
<input type="checkbox"/>	- flow obstructions	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- dead/dying vegetation	<u>none</u>	<u>typical for winter</u>
<input type="checkbox"/>	- cable concrete/gabion mats and riprap	<u>none</u>	<u>good</u>
<input type="checkbox"/> Culverts	- sediment build-up	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- erosion	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- condition of erosion protection	<u>none</u>	<u>good</u>
<input type="checkbox"/>	- flow obstructions	<u>none</u>	<u>none</u>
<input type="checkbox"/> Gas Vents	- intact/damage	<u>none</u>	<u>intact</u>
<input type="checkbox"/> Wells	- locks secure	<u>none</u>	<u>yes</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

 DATE: 2/28/2015
 (MM DD YY)
INSPECTOR(S): Matt Shumate

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
1 Perimeter collection System/Off-Site Forcemain			
<input type="checkbox"/>	Manholes	- cover on securely	<u>yes</u>
		- condition of cover	<u>good</u>
		- condition of inside of manhole	<u>good</u>
		- flow conditions	<u>no flow</u>
<input type="checkbox"/>	Wet Wells	- cover on securely	<u>yes</u>
		- condition of cover	<u>snow covered good</u>
		- condition of inside of wet well	<u>good</u>
2 Landfill Cap			
<input type="checkbox"/>	Vegetated Soil Cover	- erosion	<u>snow covered</u>
		- bare areas	<u>none</u>
		- washouts	<u>none</u>
		- leachate seeps	<u>none</u>
		- length of vegetation	<u>snow covered</u>
		- dead/dying vegetation	<u>snow covered</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

 DATE: 2/28/2015
 (MM DD YY)
INSPECTOR(S): Matt Shumate

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
2 Landfill Cap (continued)			
<input type="checkbox"/> Access Roads	- bare areas, dead/dying veg.	<u>none</u>	<u>snow covered</u>
<input type="checkbox"/>	- erosion	<u>none</u>	<u>snow covered</u>
<input type="checkbox"/>	- potholes or puddles	<u>none</u>	<u>snow covered</u>
<input type="checkbox"/>	- obstruction	<u>none</u>	<u>snow</u>
3 Wetlands (Area "F")	- dead/dying vegetation	<u>none</u>	<u>snow covered</u>
	- change in water budget	<u>none</u>	<u>ice / snow covered</u>
	- general conditions of wetlands	<u>none</u>	<u>unknown</u>
4 Other Site Systems			
<input type="checkbox"/> Perimeter Fence	- integrity of fence	<u>none</u>	<u>good</u>
<input type="checkbox"/>	- integrity of gates	<u>none</u>	<u>good</u>
<input type="checkbox"/>	- integrity of locks	<u>none</u>	<u>good</u>
<input type="checkbox"/>	- placement and condition of signs	<u>none</u>	<u>good</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 2/28/2015
(MM DD YY)INSPECTOR(S): Matt Shumate

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
4 Other Site Systems (continued)			
<input type="checkbox"/> Drainage Ditches/	- sediment buildup	<u>none</u>	<u>snow covered</u>
<input type="checkbox"/> Swale Outlets	- erosion	<u>none</u>	<u>snow covered</u>
<input type="checkbox"/>	- condition of erosion protection	<u>none</u>	<u>snow covered</u>
<input type="checkbox"/>	- flow obstructions	<u>none</u>	<u>snow covered</u>
<input type="checkbox"/>	- dead/dying vegetation	<u>none</u>	<u>snow covered</u>
<input type="checkbox"/>	- cable concrete/gabion mats and riprap	<u>none</u>	
<input type="checkbox"/> Culverts	- sediment build-up	<u>none</u>	<u>snow covered</u>
<input type="checkbox"/>	- erosion	<u>none</u>	<u>snow covered</u>
<input type="checkbox"/>	- condition of erosion protection	<u>none</u>	<u>snow covered</u>
<input type="checkbox"/>	- flow obstructions	<u>none</u>	<u>snow covered</u>
<input type="checkbox"/> Gas Vents	- intact/damage	<u>none</u>	<u>intact</u>
<input type="checkbox"/> Wells	- locks secure	<u>none</u>	<u>yes</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

 DATE: 3/22/2015
 (MM DD YY)
INSPECTOR(S): M Shumate

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
1 Perimeter collection System/Off-Site Forcemain			
<input type="checkbox"/>	Manholes	- cover on securely	<u>yes</u>
		- condition of cover	<u>good</u>
		- condition of inside of manhole	<u>good</u>
		- flow conditions	<u>no flow</u>
<input type="checkbox"/>	Wet Wells	- cover on securely	<u>yes</u>
		- condition of cover	<u>good</u>
		- condition of inside of wet well	<u>good</u>
2 Landfill Cap			
<input type="checkbox"/>	Vegetated Soil Cover	- erosion	<u>none</u>
		- bare areas	<u>none</u>
		- washouts	<u>none</u>
		- leachate seeps	<u>none</u>
		- length of vegetation	<u>snow covered</u>
		- dead/dying vegetation	<u>snow covered</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 3/22/2015
(MM DD YY)INSPECTOR(S): M Shumate

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
2 Landfill Cap (continued)			
<input type="checkbox"/> Access Roads	- bare areas, dead/dying veg.	<u>none</u>	<u>snow covered</u>
<input type="checkbox"/>	- erosion	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- potholes or puddles	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- obstruction	<u>none</u>	<u>snow covered</u>
3 Wetlands (Area "F")	- dead/dying vegetation	<u>none</u>	<u>typical for winter conditions</u>
	- change in water budget	<u>none</u>	<u>normal</u>
	- general conditions of wetlands	<u>none</u>	<u>good</u>
4 Other Site Systems			
<input type="checkbox"/> Perimeter Fence	- integrity of fence	<u>none</u>	<u>good</u>
<input type="checkbox"/>	- integrity of gates	<u>none</u>	<u>good</u>
<input type="checkbox"/>	- integrity of locks	<u>none</u>	<u>good</u>
<input type="checkbox"/>	- placement and condition of signs	<u>none</u>	<u>good</u>

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 3/22/2015
(MM DD YY)INSPECTOR(S): M Shumate

<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
4 Other Site Systems (continued)			
<input type="checkbox"/> Drainage Ditches/	- sediment buildup	<u>none</u>	<u>snow</u>
<input type="checkbox"/> Swale Outlets	- erosion	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- condition of erosion protection	<u>none</u>	<u>good</u>
<input type="checkbox"/>	- flow obstructions	<u>none</u>	<u>snow</u>
<input type="checkbox"/>	- dead/dying vegetation	<u>none</u>	<u>snow covered</u>
<input type="checkbox"/>	- cable concrete/gabion mats and riprap	<u>none</u>	<u>good</u>
<input type="checkbox"/> Culverts	- sediment build-up	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- erosion	<u>none</u>	<u>none</u>
<input type="checkbox"/>	- condition of erosion protection	<u>none</u>	<u>good</u>
<input type="checkbox"/>	- flow obstructions	<u>none</u>	<u>snow</u>
<input type="checkbox"/> Gas Vents	- intact/damage	<u>none</u>	<u>intact</u>
<input type="checkbox"/> Wells	- locks secure	<u>none</u>	<u>yes</u>

APPENDIX D
MAINTENANCE RECORD LOGS

MAINTENANCE RECORD LOG

PROJECT NAME: *Niagara County Refuse Site* LOCATION: *Wheatfield, New York*

CREW MEMBERS: Matt Schumate

1. Date *2/28/2015*
Time
Scheduled/Unscheduled:
Type of Maintenance Performed: scheduled

2. Company Performing Maintenance
Name: O&M Enterprises, Inc.
Address: 7134 Marigold Dr
North Tonawanda, NY
Contact Name: Rick Becken

3. Methods Used:
walked to wells and shoveled snow off

Description of Material Removed:

snow

Problems/Comments:

walking

DATE	INSPECTOR	INSPECTOR'S SIGNATURE
FORM 2	Richard C. Becken	Richard C. Becken

APPENDIX E
COMPACT DISK CONTAINING REPORT