QUARTERLY DATA SUMMARY REPORT
FIRST QUARTER 2013

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 DEPARMENT 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 2013

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April 2013

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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 2013.

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, 2010 through April 1, 2013. 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 2013), an effluent sample was collected on March 13. The next effluent sample is scheduled to be collected in September 2013. Effluent samples are collected from Wet Well A, which receives water from the leachate collection system surrounding the landfill. Composite 24-hour samples were collected from Wet Well A using an automated sampler.

1.1.2 Groundwater Sampling

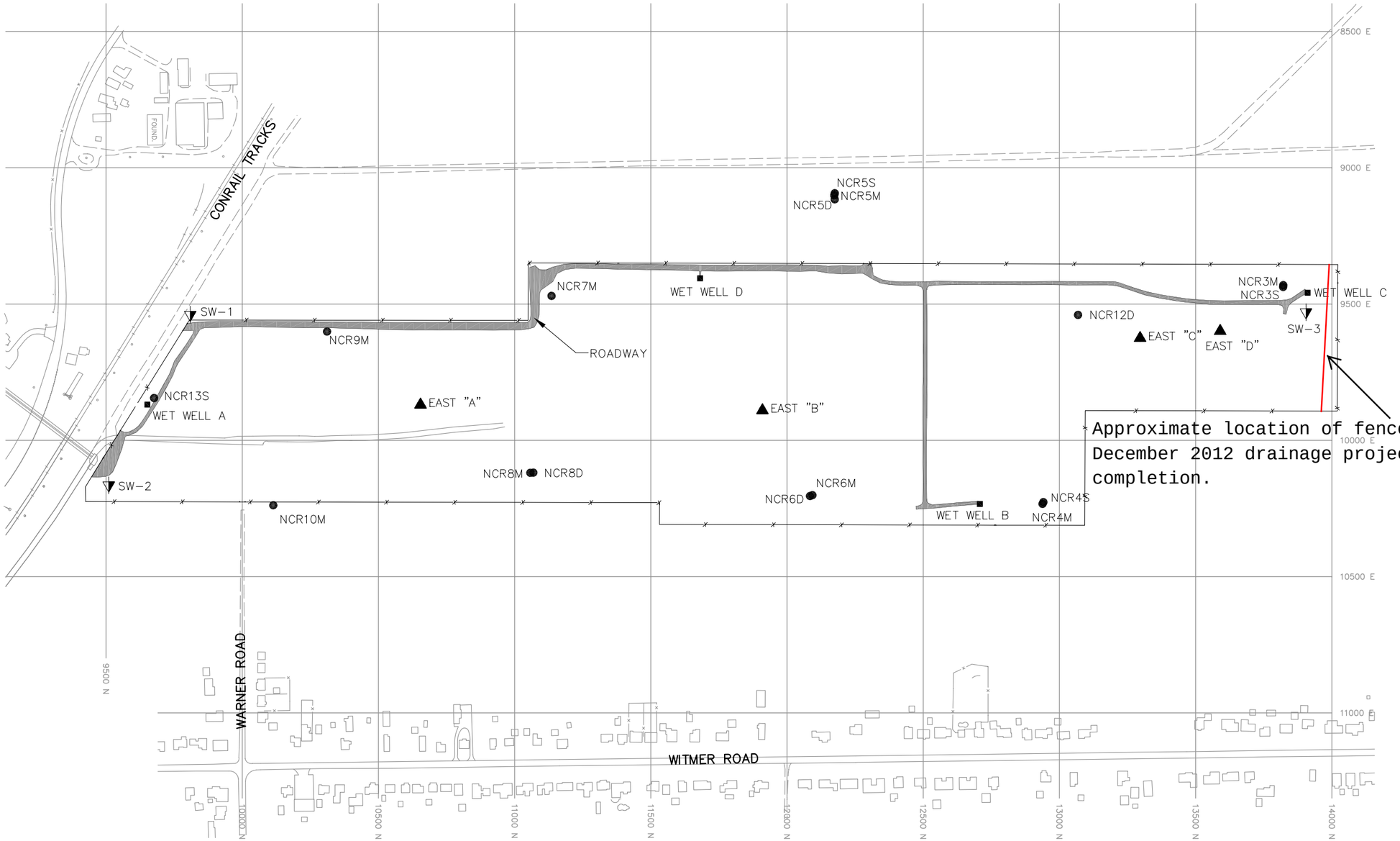
Groundwater samples were not collected during this reporting period. In accordance with the approved OM&M Plan (CRA, 2000), the groundwater sampling frequency was decreased from a quarterly to a semi-annual basis in 2003, and from a semi-annual to an annual basis beginning in 2006. The next round of groundwater samples is scheduled to be collected in November 2013.

1.1.3 Water Level Measurements

Water levels were measured during monthly Site inspections in January, February, and March 2013. Water levels were measured from 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 14, February 4, and March 5, 2013. 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

400 200 0 400 800

SCALE: 1"=400'

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

P:\738641-NCRfs\cad\38641C001.dwg, 02/27/04 at 07:27, MAB, 1=1
No XREFs

SECTION 2

RESULTS

This section describes the results of the first quarter OM&M activities conducted from January through March 2013. Activities during this quarter included water level measurements, effluent sampling, and monthly Site inspections. Additionally, non-routine items included installing a larger circuit breaker, a larger diameter flow meter, and installing a larger pump in WWA.

2.1 EFFLUENT SAMPLES

One effluent sample was collected during the reporting period (March 13, 2013). The effluent sample was collected by O&M Enterprises, and analyzed by the City of North Tonawanda. The analytical results are used by the City to confirm that the effluent received from the Site meets the criteria for acceptance by the City treatment system. These data are not presented in the quarterly monitoring reports, but will be summarized in the 2013 annual monitoring report. The current City of North Tonawanda Industrial Wastewater Discharge Permit (March 31, 2010 through April 1, 2013) and chain-of-custody for the March 2013 sampling event have been included in Appendix A. The next effluent sample is scheduled to be collected in September 2013.

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. Groundwater sample collection is planned for November 2013, assuming groundwater levels are adequate, and sufficient water is available for sampling within the monitoring 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 14, February 4, and March 5, 2013. Water levels in the monitoring wells generally decreased over the reporting quarter. 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. High water level conditions were noted in Wet Well A and Wet Well C during the January site inspection. A larger pump was installed in Wet Well A, along with a larger

diameter flow meter, in February, diminishing the likelihood and longevity of future high alarm events at Wet Well A. 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 the landfill was noted as normal for winter in January, snow covered in February, and short in 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. The roads were, however, 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. Wetland vegetation was noted to be normal or typical for winter conditions during each of the inspections. Low water level for the time of year was noted in the wetland area during the January inspection, and a normal water level was noted in February and March.

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 installing a new circuit breaker, changing out the pump in Wet Well A, and repairing the level controls in Wet Well A. Scheduled maintenance during the reporting period was completed as follows:

- On February 1, a new circuit breaker was installed to handle greater amperage required by a planned new Wet Well A pump. A Cutler-Hammer brand Series C 30 Amp Motor Circuit Protector was installed.
- On February 20, the pump in Wet Well A was removed and replaced with a higher capacity pump. The new pump is a Grundfos model 85S75-6. Additionally, the flow meter at Wet Well A was replaced with an Istek brand 3-inch flow meter to replace the existing 1.5-inch flow meter.
- On March 6, repairs were completed to the level controller in Wet Well A involving rewiring one of the connections.

Unscheduled maintenance was required during the reporting period and included confirmation of pump operation while in high alarm status, replacing a failed pump motor in Wet Well D, and changing out a float control in Wet Well A. Unscheduled maintenance was completed as follows:

- Between January 1 and 13, daily site visits were made to confirm pump operation while in high alarm status. The Wet Well A pump was unable to

keep up with the inflow of water during this time period causing the high alarm. This continuing issue was ultimately remedied by installing a higher capacity pump in Wet Well A (along with a new circuit breaker to handle the greater power requirement and a new flow meter).

- On January 26, the pump and motor were pulled from Wet Well D and a new pump and motor were installed. The motor on the original pump had failed.
- On February 26, a float control was replaced in Wet Well A.

Copies of the Maintenance Record Logs have 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.
Wetlands	X		Water level was noted to be low during the January inspection. 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. Roads were snow covered during the February and March inspections.
Integrity of the Cap	X		No erosion was observed. Vegetation was noted as normal for winter in January, snow covered in February, and short during the March inspection.
Drainage Ditches/Swales	X		
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 major 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 November 2013, 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 decreased during the reporting period. 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 inspections. 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
6/27/00
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, New York 14094

Classified by S.I.C. Number(s): _N/A_
for the discharge of: groundwater 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 Wastewater Treatment Plant 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, 2010

To expire the 1st day of April, 2013

Water Works Superintendent
Signed this 16 **day of** June **20**10

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
2/	Aluminum	2.0	1 Sample 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.
2/	Magnesium	Monitor Only	1 Sampling Day semi-annual	24 hr comp.
2/	Sodium	Monitor Only	1 Sampling Day semi-annual	24 hr comp.
	pH	Monitor Only	1 Sampling Day semi-annual	grab
2/	BOD	Monitor Only	1 Sampling Day semi-annual	24 hr comp.
2/	Total Suspended Solids	Monitor Only	1 Sampling Day semi-annual	24 hr comp.

PART I. SPECIFIC CONDITIONS

B. DISCHARGE 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 on the 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	January 31, 2007	semi-annual

PART I. SPECIFIC CONDITIONS

C. SPECIAL REQUIREMENTS

1) This permit is written for a duration of three 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 to the City of North Tonawanda sewerage treatment works during overflow conditions. The permittee is required to cease all pumping operations upon verbal request of the North Tonawanda Wastewater Treatment Plant Superintendent or his assigns. Pumping operations shall not recommence until approved by the North Tonawanda Wastewater Treatment Plant Superintendent or his assigns.

5) Analysts are required to use GC/MS method detection limits for most organics (if GC/MS is appropriate); GC/ECD for PCBS/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.

CITY OF NORTH TONAWANDA WATER WORKS
WASTEWATER DEPARTMENT
830 RIVER ROAD
NORTH TONAWANDA, NEW YORK 14120
PHONE: (716) 695 - 8560
FAX: (716) 695 - 8563

David A. Scott
Superintendent

John C. Maurer
Maintenance Supervisor

Dennis F. Molnar
Chief Operator

William M. Davignon
Lab Director/Chemist

CHAIN OF CUSTODY

Sampling Record
NIAGARA COUNTY REFUSE SITE

DATE: March 13 & 14, 2013

SITE NAME: **NIAGARA COUNTY REFUSE SITE**

NAME (*Signature*) Richard C Becker

NAME (Print) Richard C Becker

SPL #	SAMPLE NAME	DATE	TIME	SAMPLE LOCATION	SAMPLE TYPE	#OF BTLS
01	31313RCBEFF	3/13-3/14/13	0800-0800	Wet Well A	wet chemistry	1
02	31313RCBEFF	3/13-3/14/13	0800-0800	wetwell A	volitiles	6

FLOWS:

FINAL METER READING 728,000

INITIAL METER READING 707,000

daily ~~MONTHLY~~ FLOW 21,000

RELINQUISHED BY: Richard C Becker

RECEIVED BY: Michael E J

DATE: 3/14/13

TIME: 3/14/13

EFFLUENT SAMPLING • SAMPLE COLLECTION DATA SHEET

PROJECT NAME:	*NIAGARA COUNTY REFUSE SITE*		
SAMPLE LOCATION:	*WET WELL A*		
SAMPLING CREW MEMBERS:	Richard C Becker		
DATE OF SAMPLE COLLECTION: (M M D D Y Y)	0 5 1 3 1 5		
Sample Time	0800		
Sample ID Number	313 13RC5EFF		
pH	7.1	6.9	7.25
Temperature	56.1	57.3	57.0
Conductivity	3.40	3.46	3.61
Turbidity	5.1	4.8	6.3
Instantaneous Flow Velocity			
Total Flow			
Sample Description	semi annual effluent		
Analysis Required	volatiles + wet chemistry		
Chain-of-Custody Number	none		
Shipping Manifest Number	none		

Additional Comments:

field meter reading 723,000
meter reading 737,000
daily flow 21,000

FP-7C

APPENDIX B

WATER LEVEL RECORDS

WATER LEVEL RECORD

PROJECT NAME: *NIAGARA COUNTY REFUSE SITE*

LOCATION: Wheatfield, New York

DATE: 1/14/2013 (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"	12:40	598.93	26.47	572.46
EAST "B"	12:25	596.23	16.05	580.18
EAST "C"	12:15	598.69	20.91	577.78
EAST "D"	11:50	593.20	15.5	577.70
NCR-3S	10:55	579.60	3.06	576.54
NCR-4S	11:30	577.88	2.51	575.37
NCR-5S	10:15	579.34	5.55	573.79
NCR-13S	8:55	577.15	4.01	573.14

WET WELLS

Wet Well	Time of Measurement	Total Flow	Depth of Water
WW A	8:45		~7'
WW B	10:55		~6"
WW C	11:40		~4'
WW D	9:20		~10"

Total System Flow	Time of Measurement
65471470	8:45

FP-3D

WATER LEVEL RECORD

PROJECT NAME: *NIAGARA COUNTY REFUSE SITE*

LOCATION: Wheatfield, New York

DATE: 2/4/2013 (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"	11:55	598.93	26.51	572.42
EAST "B"	12:10	596.23	20.05	576.18
EAST "C"	12:25	598.69	20.69	578.00
EAST "D"	12:45	593.20	15.66	577.54
NCR-3S	10:25	579.60	3.8	575.80
NCR-4S	11:00	577.88	2.95	574.93
NCR-5S	11:30	579.34	6.65	572.69
NCR-13S	9:40	577.15	4.94	572.21

WET WELLS

Wet Well	Time of Measurement	Total Flow	Depth of Water
WW A	9:30		~6"
WW B	10:55		~5"
WW C	10:20		~8"
WW D	11:15		~5"

Total System Flow	Time of Measurement
66182630	9:30

FP-3D

WATER LEVEL RECORD

PROJECT NAME: *NIAGARA COUNTY REFUSE SITE*

LOCATION: Wheatfield, New York

DATE: 3/5/2013 (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"	12:00	598.93	26.61	572.32
EAST "B"	11:45	596.23	15.83	580.4
EAST "C"	11:25	598.69	20.84	577.85
EAST "D"	11:05	593.20	15.81	577.39
NCR-3S	10:25	579.60	3.75	575.85
NCR-4S	9:45	577.88	dry	
NCR-5S	10:50	579.34	6.58	572.76
NCR-13S	8:35	577.15	5.06	572.09

WET WELLS

Wet Well	Time of Measurement	Total Flow	Depth of Water
WW A	8:45		~10"
WW B	9:55		~5"
WW C	10:15		~9"
WW D	9:15		~7"

Total System Flow	Time of Measurement
66207320 old meter	8:45

561000 new meter

FP-3D

APPENDIX C

MONTHLY INSPECTION LOGS

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 1/14/20123
(MM DD YY)

INSPECTOR(S): RC Becken

	Item	*Inspect For*	*Action Required*	*Comments*
1	Perimeter collection System/Off-Site Forcemain			
	Manholes	- cover on securely	none	yes
		- condition of cover	none	good
		- condition of inside of manhole	none	good
		- flow conditions	none	no apparent flow
	Wet Wells	- cover on securely	none	yes
		- condition of cover	none	good
		- condition of inside of wet well	high levels in A and C	good
2	Landfill Cap			
	Vegetated Soil Cover	- erosion	none	none
		- bare areas	none	no
		- washouts	none	none
		- leachate seeps	none	none
		- length of vegetation	none	normal winter
		- dead/dying vegetation	none	none

FORM 1

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 1/14/2013 (MM DD YY)

INSPECTOR(S): RC Becken

Item	*Inspect For*	*Action Required*	*Comments*
2 Landfill Cap (continued)			
☐ Access Roads	- bare areas, dead/dying veg.	none	none
☐	- erosion	none	none
☐	- potholes or puddles	none	none
☐	- obstruction	none	none
3 Wetlands (Area "F")	- dead/dying vegetation	none	normal
	- change in water budget	none	lower than normal
	- general conditions of wetlands	none	OK
4 Other Site Systems			
☐ Perimeter Fence	- integrity of fence	none	good
☐	- integrity of gates	none	good
☐	- integrity of locks	none	good
☐	- placement and condition of signs	none	good

FORM 1

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 1/14/2013 (MM DD YY)

INSPECTOR(S): RC Becken

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

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 2/4/2013
(MM DD YY)

INSPECTOR(S): RC Becken

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

FORM 1

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 2/4/2013 (MM DD YY)

INSPECTOR(S): RC Becken

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

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 2/4/2013 (MM DD YY)

INSPECTOR(S): RC Becken

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

FORM 1

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 3/5/2013
(MM DD YY)

INSPECTOR(S): RC Becken

	Item	*Inspect For*	*Action Required*	*Comments*
1	Perimeter collection System/Off-Site Forcemain			
	Manholes	- cover on securely	none	yes
		- condition of cover	none	good
		- condition of inside of manhole	none	good
		- flow conditions	none	no apparent flow
	Wet Wells	- cover on securely	none	yes
		- condition of cover	none	good
		- condition of inside of wet well	none	good
2	Landfill Cap			
	Vegetated Soil Cover	- erosion	none	none
		- bare areas	none	snow covered
		- washouts	none	none
		- leachate seeps	none	none
		- length of vegetation	none	short
		- dead/dying vegetation	none	typical of winter conditions

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 3/5/2013 (MM DD YY)

INSPECTOR(S): RC Becken

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

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, NY

DATE: 3/5/2013 (MM DD YY)

INSPECTOR(S): RC Becken

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

FORM 1

APPENDIX D

MAINTENANCE RECORD LOGS

MAINTENANCE RECORD LOG

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

CREW MEMBERS: RC Becken

1. Date: Jan.1, 2, 3, 4, 5, 9, 10, 11, 12, and 13
   Time
   Scheduled/Unscheduled: unscheduled
   Type of Maintenance Performed: check pumps
2. Company Performing Maintenance
   Name: O&M Enterprises, Inc.
   Address: 7134 Marigold Dr
   North Tonawanda, NY
   Contact Name: Rick Becken
3. Methods Used:

drive to site then check to make certain pumps are operating

Description of Material Removed:

none

Problems/Comments:

DATE	INSPECTOR	INSPECTOR'S SIGNATURE
1/14/2013	RC Becken	

FORM 2

MAINTENANCE RECORD LOG

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

CREW MEMBERS: RC Becken

1. Date 1/26/2013
   Time 900
   Scheduled/Unscheduled: Unscheduled:
   Type of Maintenance Performed: high level WWD
2. Company Performing Maintenance
   Name: O&M Enterprises, Inc.
   Address: 7134 Marigold Dr.
   North Tonawanda, NY 14120
   Contact Name: Rick Becken
3. Methods Used:

pulled pump and motor and replaced with spare pump and new motor

Description of Material Removed:

old pump and motor	motor bad, pump needs cleaning and checked

Problems/Comments:

None

1/26/2013	RC Becken	
DATE	INSPECTOR	INSPECTOR'S SIGNATURE

FORM 2

MAINTENANCE RECORD LOG

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

CREW MEMBERS: RC Becken

1. Date 2/1/2013
   Time 9:00
   Scheduled/Unscheduled: Scheduled
   Type of Maintenance Performed: install new circuit breaker
2. Company Performing Maintenance
   Name: O&M Enterprises, Inc.
   Address: 7134 Marigold Dr
   North Tonawanda, NY
   Contact Name: Rick Becken
3. Methods Used:

removed old circuit break and install new breaker

Description of Material Removed:

old breaker

Problems/Comments:

none

2/1/2013	RC Becken	RC Becken
DATE	INSPECTOR	INSPECTOR'S SIGNATURE

FORM 2

MAINTENANCE RECORD LOG

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

CREW MEMBERS: RC Becken

1. Date 2/20/2013
   Time 900
   Scheduled/Unscheduled: scheduled
   Type of Maintenance Performed: change pump/motor in Wet Well A
2. Company Performing Maintenance
   Name: O&M Enterprises
   Address: 7134 Marigold Dr
   N. Tonawanda NY 14120
   Contact Name: Rick Becken
3. Methods Used:

removed pump and motor and replaced with new 7.5 hp pump and motor

Description of Material Removed:

none

Problems/Comments:

none

2/20/2013	RC Becken	
DATE	INSPECTOR	INSPECTOR'S SIGNATURE

FORM 2

MAINTENANCE RECORD LOG

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

CREW MEMBERS: RC Becken

1. Date 2/26/2013
   Time 1100
   Scheduled/Unscheduled: unscheduled
   Type of Maintenance Performed: changed one float control WWA
2. Company Performing Maintenance
   Name: O&M Enterprises
   Address: 7134 Marigold Dr
   N. Tonawanda NY 14120
   Contact Name: Rick Becken
3. Methods Used:

removed old float and replaced with new float control

Description of Material Removed:

none

Problems/Comments:

none

2/26/2013 RC Becken

DATE INSPECTOR INSPECTOR'S SIGNATURE

FORM 2

MAINTENANCE RECORD LOG

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

CREW MEMBERS: RC Becken Dave Carrier

1. Date 3/6/2013
   Time 9:00
   Scheduled/Unscheduled: scheduled
   Type of Maintenance Performed: repaired level control on wet well A
2. Company Performing Maintenance

Name:	O&M Enterprises, Inc.	Carrier Controls
Address:	7134 Marigold Dr	PO Box 275
	North Tonawanda, NY	Springville, NY
Contact Name:	Rick Becken	Dave Carrier

3. Methods Used:

checked and found found two wires connected wrong

Description of Material Removed:

none

Problems/Comments:

none

DATE	INSPECTOR	INSPECTOR'S SIGNATURE
3/6/2013	RC Becken	

FORM 2

APPENDIX E

COMPACT DISK CONTAINING REPORT