QUARTERLY DATA SUMMARY REPORT

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

November 2009

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November 2009

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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 conducting operations, maintenance, and monitoring (OM&M) in accordance with the USEPA-approved OM&M Manual (CRA, 2000). This data report summarizes third quarter monitoring activities from July through September 2009.

1.1 PROCEDURES

1.1.1 Effluent Sampling

A revised Industrial Wastewater Discharge Permit (Appendix A) was issued by the City of North Tonawanda, and is effective from February 28, 2007 through April 1, 2010. The revised permit has a reduced analytical parameter list compared to the original permit, and a semi-annual sampling frequency. Prior to the revised permit, samples were collected monthly. In 2009, an effluent sample was collected in March and September 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. The next effluent sample is scheduled to be collected in March 2010.

1.1.2 Groundwater Sampling

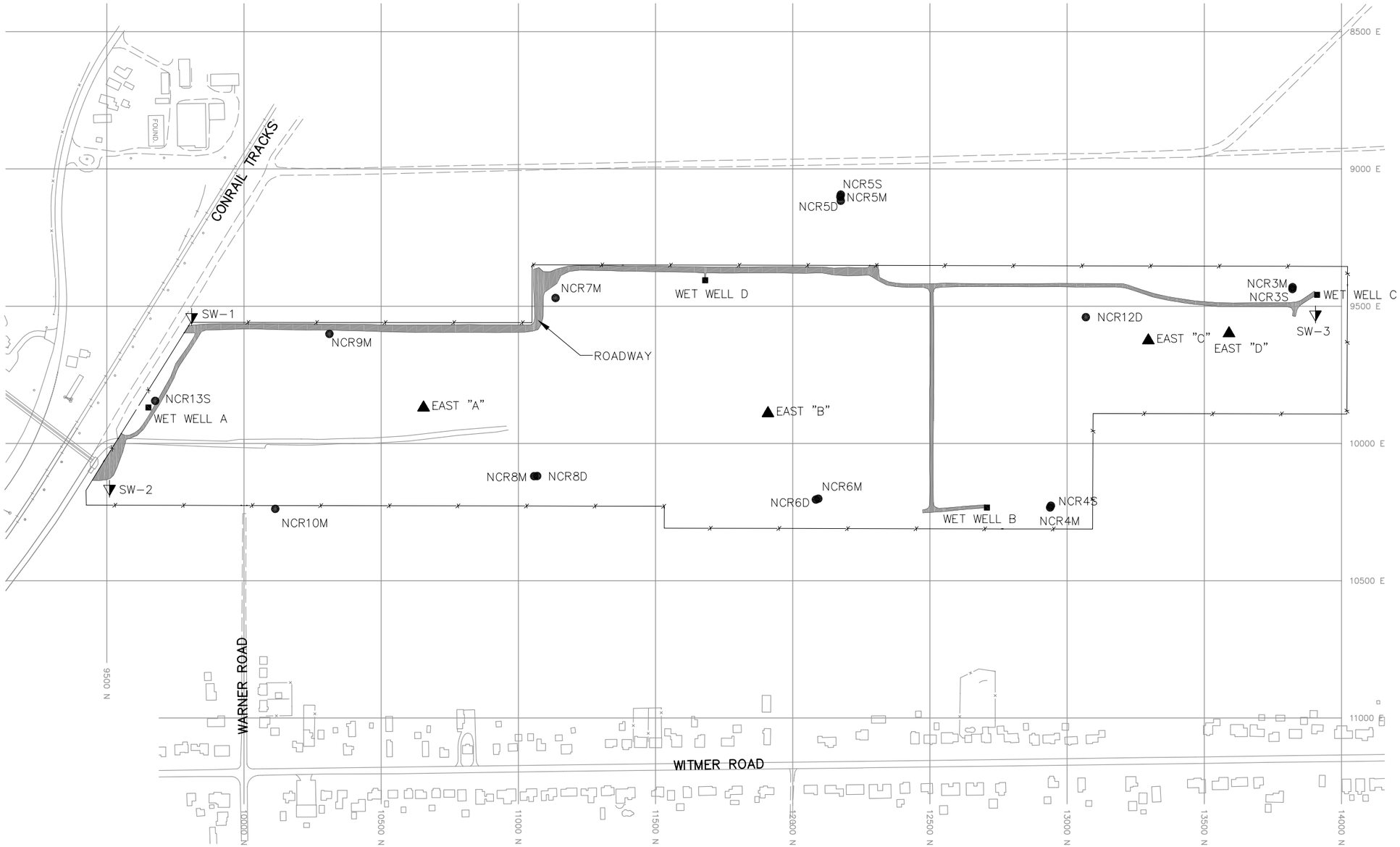
Groundwater samples were not collected during this reporting period. In accordance with the approved OM&M Plan (CRA, 2000), the groundwater sampling frequency was decreased from a quarterly to a semi-annual basis in 2003, and from a semi-annual to an annual basis beginning in 2006. Annual groundwater sample collection will continue for an undetermined time period. The next round of groundwater samples is scheduled to be collected in November 2009.

1.1.3 Water Level Measurements

Water levels were measured during monthly Site inspections in July, August, and September 2009. 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 July 10, August 12, and September 5, 2009. 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 third quarter OM&M activities conducted from July through September 2009. Activities during this quarter included effluent sampling, water level measurements, maintenance work, and Site inspections.

2.1 EFFLUENT SAMPLES

One effluent sample was collected during the reporting period (September 4, 2009). The effluent sample was collected by O&M Enterprises, and analyzed by the City of North Tonawanda. The analytical results from effluent samples 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 2009 annual monitoring report. The revised City of North Tonawanda Industrial Wastewater Discharge Permit (February 31, 2007 through April 1, 2010) has been included in Appendix A. As shown in the revised permit, the analytical parameters and the sampling frequency have been reduced from the original permit.

2.2 GROUNDWATER ANALYTICAL RESULTS

Monitoring wells NCR-3S, NCR-4S, NCR-5S, and NCR-13S were not sampled during this reporting quarter, due to the current annual groundwater sampling schedule specified in the OM&M Manual. Groundwater sample collection is planned for November 2009, assuming groundwater levels are adequate. The locations of the monitoring wells are provided in Figure 1.1. In November 2005, the USEPA, NYSDOH, and NYSDEC agreed to reduce the number of analytical parameters monitored in the groundwater samples (see Appendix B).

2.3 WATER LEVELS

Results of water level measurements collected during this reporting period are presented in Appendix C. Water levels were collected from the monitoring locations on a monthly basis. Water levels in the monitoring wells generally decreased over the reporting quarter. Well NCR-3S did not contain any water when measured in July and wells NCR-3S and NCR-4S did not contain any water when water levels were measured in September. Measured water levels were consistent with levels observed in previous years between July and September.

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 D.

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, bare spots, or leachate seeps were noted. The grass covering the landfill was noted as tall during the July and September inspections and normal to tall during the August inspection.

Additionally, during the examination of the landfill cap, the access roads were examined for erosion, potholes/puddles, and obstructions. All aspects of the access roads that were examined were deemed acceptable.

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 in good condition during the Site inspections. A slightly lower than normal water level was noted in the wetland area during the September site inspections.

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 pulling, cleaning, and inspecting wet well pumps, repairing the perimeter fence, mowing the landfill cap, and replacing the pump motor and discharge hose in wet well B. Copies of the Maintenance Record Logs have been included in Appendix E.

- On July 16, the pump in wet well A was pulled, cleaned, inspected, and reinstalled.
- On July 17, the pump in wet well B was pulled, cleaned, inspected, and reinstalled.
- On July 18 and 21, a portion of the perimeter fence that was damaged last quarter was removed and new fence posts and sections of fence were installed.
- On August 12, the landfill cap was mowed.
- On August 12, the pump, motor, and discharge hose was replaced in wet well B.

Occasional unscheduled maintenance at the landfill is required, but no unscheduled maintenance was required during this reporting quarter. 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 C, D, and E).

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 normal during the July and August inspections and slightly lower than normal during the September inspection. Water levels were within the historical range.
Perimeter Fence	X		Damage to the perimeter fence observed last quarter was repaired in July. New fence posts and sections of fence were installed.
Condition of Roads	X		No potholes were observed.
Integrity of the Cap	X		No erosion was observed.
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

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. Repairs were made as necessary following identification of problems or maintenance needs.

- An effluent sample was collected during the reporting period as required by the discharge permit, and the sample was analyzed by the City of North Tonawanda.

- As specified in the OM&M Manual, annual groundwater monitoring commenced in 2006. Groundwater samples are currently scheduled to be collected in November 2009, 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 July and September.

- Wetlands vegetation appeared to be in good condition during the reporting period, based on monthly visual assessments.

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

CITY OF NORTH TONAWANDA
4/5/95
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 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 February, 2007

To expire the 1st day of April, 2010

Paul Joseph Prof

Treatment Plant Superintendent
Signed this 31st day of January, 2007

PERMIT NUMBER: 2628010

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.

PERMIT NUMBER: 2628010

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.

APPENDIX B

CORRESPONDENCE

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
290 BROADWAY
NEW YORK, NY 10007-1866

NOV 21 2005

BY FEDEX

Mr. Eric Felter
Project Manager
Parsons
180 Lawrence Bell Drive, Suite 104
Williamsville, New York 14221

Re: Niagara County Refuse Site, Wheatfield, New York; Request for the Reduction of Analytical Parameters in Groundwater Samples

Dear Mr. Felter:

The U.S. Environmental Protection Agency (EPA) and New York State Department of Environmental Conservation (NYSDEC) have reviewed your letter dated October 3, 2005 prepared by Parsons on behalf of the Niagara County Refuse (NCR) Site PRP Group requesting a reduction in the analytical parameters in groundwater samples taken at the NCR site as part of the operation and maintenance program. The current analytical parameter list includes 2 volatiles, 4 semi-volatiles, and 16 metals which were determined to be constituents of interest at the site. Your proposal requests reducing the parameters to 5 metals, representing those constituents which have been measured above standards with some regularity in past sampling rounds. The sampling program, involving four monitoring wells, has been in effect since 2001 and your proposal reflects trends evident since the program was initiated. Sampling frequency is currently semi-annual (twice a year).

After discussing this matter with NYSDEC with input from the New York State Department of Health, our preference is that the sampling parameters remain the same for the time being. This is due to the significant residential growth around the site in recent years. After the current sampling round, samples are scheduled to be taken annually. EPA approves changing the current monitoring program only to the extent that the volatiles and semi-volatiles analysis can be conducted every two years while the metals analysis be conducted annually. EPA will, however, consider a further frequency reduction in the future as more data are collected.

Please call me at (212) 637-4278 if you have any questions on this matter.

Sincerely yours,

Michael J. Negrelli
Remedial Project Manager
New York Remediation Branch

cc: J. Konsella - NYSDEC/Region 9
B. Sadowski - NYSDEC/Region 9

APPENDIX C

WATER LEVEL RECORDS

WATER LEVEL RECORD

PROJECT NAME: *NIAGARA COUNTY REFUSE SITE*

LOCATION: Wheatfield, New York

DATE: 0 7 1 0 0 9 (M M D D Y Y)

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"	11:50	598.93	25.62	573.27
EAST "B"	12:15	596.23	20.15	576.23
EAST "C"	12:35	598.69	20.51	578.14
EAST "D"	12:55	593.20	15.62	577.45
NCR-3S	10:45	579.60	dry	
NCR-4S	11:10	591.88	4.65	587.23
NCR-5S	11:30	597.34	10.1	590.47
NCR-13S	10:10	593.13	7.47	587.18

WET WELLS

Wet Well	Time of Measurement	Total Flow	Depth of Water
WW A	10:00		~8"
WW B	11:00		~10"
WW C	10:30		~6"
WW D	10:20		~5"

Total System Flow	Time of Measurement
463354	10:00

FP-3D

WATER LEVEL RECORD

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

DATE: 08/20/19 (MM DD YY)

CREW MEMBERS: Richard C. 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"	1255	598.98	25.51	573.47
East "B"	1230	516.23	19.77	576.46
East "C"	1155	598.69	20.33	578.36
East "D"	1140	593.20	15.51	577.69
NCR-3S	1005	579.60	3.66	575.94
NCR-4S	1050	591.88	2.98	588.90
NCR-5S	1120	597.34	7.47	589.87
NCR-13S	1445	593.13	5.92	587.21

Wet Wells

		depth of water		
WWA	1500	6"		
WWB	1055	10"		
WWC	1000	7"		
WWD	0900	8"		

Total System Flow	Time of Measurement
46489705	1500

FORM 16

WATER LEVEL RECORD

PROJECT NAME: *NIAGARA COUNTY REFUSE SITE*

LOCATION: Wheatfield, New York

DATE: 0 9 0 5 0 9 (M M D D Y Y)

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"	11:25	598.93	25.52	573.41
EAST "B"	11:50	596.23	19.83	576.40
EAST "C"	12:15	598.69	20.3	578.39
EAST "D"	12:40	593.20	15.69	577.51
NCR-3S	10:00	579.60	dry	
NCR-4S	10:30	591.88	dry	
NCR-5S	9:30	597.34	9.88	587.46
NCR-13S	11:00	593.13	7.45	585.68

WET WELLS

Wet Well	Time of Measurement	Total Flow	Depth of Water
WW A	9:00		~9"
WW B	10:45		~8"
WW C	9:45		~6"
WW D	9:15		~6"

Total System Flow	Time of Measurement
46566675	10:00

FP-3D

APPENDIX D

MONTHLY INSPECTION LOGS

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

DATE: 07/10/99 (MM DD YY)

INSPECTOR(S): Richard C Becker

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

FORM 1

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

INSPECTOR(S): R C Becker

DATE: 07/10/07 (MM DD YY)

Item	*Inspect For*	*Action Required*	*Comments*
2. **Landfill Cap (continued)**			
☐ Access Roads	- bare areas, dead/dying veg.	no	
	- erosion	no	
	- potholes or puddles	no	
	- obstruction	none	
3. **Wetlands (Area "F")**	- dead/dying vegetation	no	
	- change in water budget	normal	
	- general condition of wetlands	good	
4. **Other Site Systems**			
☐ Perimeter Fence	- integrity of fence	good	
	- integrity of gates	good	
	- integrity of locks	good	
	- placement and condition of signs	good	

FORM 1

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

DATE: 6/7/06/07 (MM DD YY)

INSPECTOR(S): RC Bolton

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

FORM 1

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

DATE: 08/12/09 (MM DD YY)

INSPECTOR(S): RC Rocker

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

FORM 1

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

DATE: 10/8/2019 (MM DD YY)

INSPECTOR(S): RC Bachen

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

FORM 1

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

INSPECTOR(S): R C Bocker

DATE: 08/12/09 (MM DD YY)

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

FORM 1

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

DATE: 09/05/09 (MM DD YY)

INSPECTOR(S): R C Becker

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

FORM 1

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

DATE: 06 / 05 / 09 (MM DD YY)

INSPECTOR(S): RC Baker

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

FORM 1

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

DATE: 07/05/09 (MM DD YY)

INSPECTOR(S): R C Baker

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

FORM 1

APPENDIX E

MAINTENANCE RECORD LOGS

MAINTENANCE RECORD LOG

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

CREW MEMBERS: RC Backer

1. Date: 0 7 1 6 0 9 (MM DD YY)

   Time: 1 5 0 0 (HH mm)

   Scheduled/Unscheduled: Scheduled

   Type of Maintenance Performed: pulled, cleaned + checked well pump WetwellA

2. Company Performing Maintenance

   Name: O+M Enterprises Inc

   Address: 7134 Marigold Dr.

   North Tonawanda, NY 14120

   Contact Name: Rick Backer

3. Methods Used:

   pulled pump, cleaned pump exterior, check wiring, pump, motor + hose, reinstalled

   Description of Material Removed:

   none

   Problems/Comments:

   none

7/16/09	Richard C Backer	[signature]
DATE	INSPECTOR	INSPECTOR'S SIGNATURE

FORM 2

CRA 5723 (17)

MAINTENANCE RECORD LOG

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

CREW MEMBERS: RC Becker

1. Date: 0 7 1 7 0 9 (MM DD YY)

Time: 1 3 0 0 (HH mm)

Scheduled/Unscheduled: scheduled

Type of Maintenance Performed: pulled, cleaned + checked well pump Wet Well B

2. Company Performing Maintenance

Name: O+M Enterprises Inc.

Address: 7134 Marigold Dr.

North Tonawanda, NY 14120

Contact Name: Rick Becker

3. Methods Used:

pulled pump, cleaned pump exterior, checked wiring, pump + motor discharge hose, reinstalled

Description of Material Removed:

none

Problems/Comments:

none

7/17/09 Richard C Becker

DATE INSPECTOR INSPECTOR'S SIGNATURE

FORM 2

CRA 5723 (17)

MAINTENANCE RECORD LOG

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

CREW MEMBERS: Bill John

1. Date: 07/18/09 (MM DD YY)

Time: 0900 (HH mm)

Scheduled/Unscheduled: Scheduled

Type of Maintenance Performed: repair fence

2. Company Performing Maintenance

Name: Woodsmith Fence Corp

Address: 5679 Tonawanda Creek Rd
Lockport, NY 14094

Contact Name: Bill

3. Methods Used:

cut out damaged fence, removed damaged posts
replaced posts + fence

Description of Material Removed:

damaged posts, fence

Problems/Comments:

none

7/18/09 Richard C Becker Richard C Becker

DATE INSPECTOR INSPECTOR'S SIGNATURE

FORM 2

MAINTENANCE RECORD LOG

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

CREW MEMBERS: Bill - John

1. Date: 0 7 2 4 0 9 (MM DD YY)

Time: 0 8 0 0 (HH mm)

Scheduled/Unscheduled: scheduled

Type of Maintenance Performed: repair fence

2. Company Performing Maintenance

Name: Woodsmith Fence Corp

Address: 5679 Tonawanda Creek Road
Lockport, NY 14094

Contact Name: Bill

3. Methods Used:

repaired fence

Description of Material Removed:

several bent posts

Problems/Comments:

none

7/27/09 Richard C Becker Richard C Becker
DATE INSPECTOR INSPECTOR'S SIGNATURE

FORM 2

CRA 5723 (17)

MAINTENANCE RECORD LOG

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

CREW MEMBERS: RC Becker

1. Date: 05/12/09 (MM DD YY)

Time: 07:00 (HH mm)

Scheduled/Unscheduled: mowed grass

Type of Maintenance Performed: Scheduled

2. Company Performing Maintenance

Name: O+M Enterprises

Address: 7134 Marigold Dr.
North Tonawanda, NY 14120

Contact Name: Rick Becker

3. Methods Used:

tractor with mower

Description of Material Removed:

none

Problems/Comments:

none

8/12/09 Richard C Becker
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: 08/12/09 (MM DD YY)

Time: 1200 (HH mm)

Scheduled/Unscheduled: scheduled

Type of Maintenance Performed: changed pump, motor & discharge hose ordered float switches (4)

2. Company Performing Maintenance

Name: O+M Enterprises Inc.

Address: 7134 Municipal Dr.
North Tonawanda, NY 14120

Contact Name: Rick Becken

3. Methods Used:

pulled pump. installed new pump & motor

Description of Material Removed:

none

Problems/Comments:

none

8/12/09 Rick Becken Richard C Becken
DATE INSPECTOR INSPECTOR'S SIGNATURE

FORM 2

APPENDIX F

COMPACT DISK CONTAINING REPORT