SEMI-ANNUAL 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
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August 2008

PARSONS

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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 monitoring activities from April through June 2008.

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 March 2008, an effluent sample was 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. The next effluent sample is scheduled to be collected in September 2008.

1.1.2 Groundwater Sampling

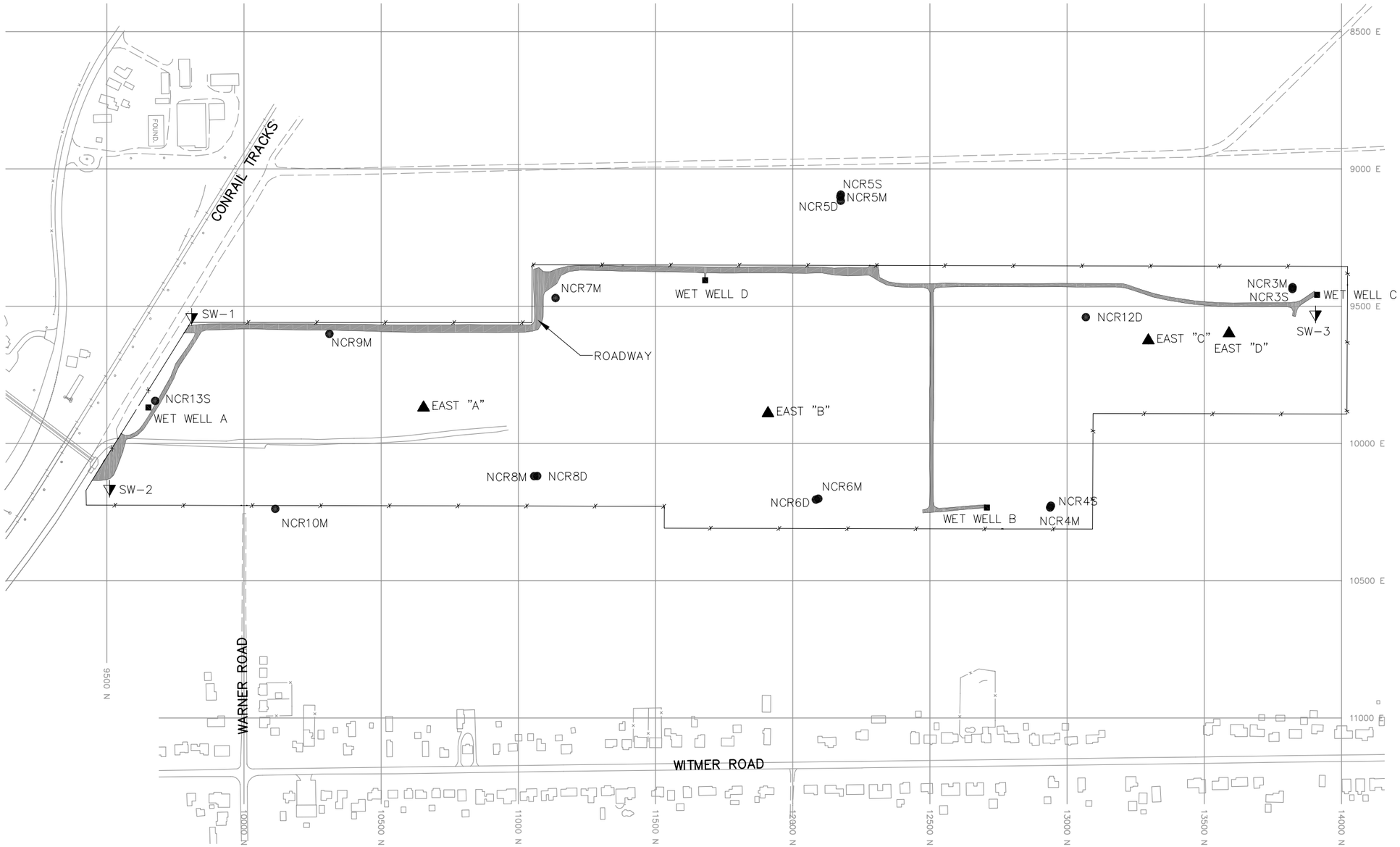
Groundwater samples were not collected during this reporting period. In accordance with the approved OM&M Plan (CRA, 2000), the groundwater sampling frequency was decreased from a quarterly to a semi-annual basis in 2003, and from a semi-annual to an annual basis beginning in 2006. The next round of groundwater samples is scheduled to be collected in October 2008.

1.1.3 Water Level Measurements

Water levels were measured during monthly Site inspections in April, May, and June 2008. 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 April 4, May 9, and June 5, 2008. 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 all OM&M activities conducted from April through June 2008. Activities during this quarter included water level measurements, maintenance work, and Site inspections.

2.1 EFFLUENT SAMPLES

No effluent samples were collected during the reporting period. The revised City of North Tonawanda Industrial Wastewater Discharge Permit (February 31, 2007 through April 1, 2010) has been included in Appendix A. As stated 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 October 2008. The locations of the monitoring wells are provided in Figure 1.1. The USEPA, NYSDOH, and NYSDEC have 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 decreased between April and June 2008. Measured water levels were consistent with levels observed in previous years between April and June.

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.

Examination of the landfill cap vegetative cover included checking for erosion, bare areas, washouts, leachate seeps, and assessing the height and condition of the vegetation. No surface erosion, bare spots, or leachate seeps were noted. The grass covering the landfill was relatively low during the April inspection, with the vegetation typical of early spring conditions. The grass covering the landfill was noted as tall during the June 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 typical early spring condition during the April Site inspection. A slightly higher than normal water level was noted in the wetland area during April. The water level was noted as average during the May inspection, and lower relative to the May inspection in June.

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 painting the monitoring wells and cutting brush and tall grass along the perimeter fence line and near the gates. Copies of the maintenance record logs have been included in Appendix E.

- On June 5, each of the monitoring wells were painted.
- On June 6, tall grass and brush was cut around the site, on the inside of the perimeter fence and near the area of the access gates.

Occasional unscheduled maintenance at the landfill is required. Unscheduled maintenance items completed during this quarter are listed below:

- On June 8, a tangled float switch was repaired at wet well D.
- A stuck float switch was repaired on June 21 at wet well A.

2.6 OM&M OVERSIGHT

Parsons' Quality Assurance (QA) work included periodic oversight of OM&M activities conducted by O&M Enterprises, Inc. (the onsite operations and maintenance contractor), 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 higher than normal in April and lower than normal in June, but within the historical range.
Perimeter Fence	X		No damage to the perimeter fence was observed during the reporting period.
Condition of Roads	X		
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 conclusions were developed based on the data collected during this reporting period:

- The landfill was inspected monthly and was appropriately maintained.
- As specified in the OM&M Manual, annual groundwater monitoring commenced in October 2006. The next groundwater sampling event is currently scheduled for October 2008.
- 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 decreased between April and June. Measured water levels were consistent with levels observed in previous years between April and June.
- Wetlands vegetation appeared relatively healthy and in good condition, 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.

Quarterly Data Summary Report for the Niagara County Refuse District Site, Wheatfield, Niagara County, New York; Parsons, May 2007.

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

From: Negrelli.Mike@epamail.epa.gov
To: Felter, Eric;
cc: barberwb@bp.com; Raybuck, Mark; richard.pope@Niagaracounty.com; jakonsel@gw.dec.state.ny.us; bpsadows@gw.dec.state.ny.us;
Subject: Re: NCR Annual GW Sampling
Date: Tuesday, December 11, 2007 9:25:21 AM

Thanks Eric. I will place this email in the file for the record. I agree that we need to wait for there to be enough water in the wells to collect a sample. Keep me posted.

"Felter, Eric" <Eric.Felter@parsons.com>
12/10/2007 09:43 AM

To: Mike Negrelli/R2/USEPA/US@EPA
cc: "Raybuck, Mark" <Mark.Raybuck@parsons.com>, <richard.pope@Niagaracounty.com>, <barberwb@bp.com>
Subject: NCR Annual GW Sampling

Mike,
I wanted to provide you with an update on the status of the annual groundwater sampling at the Niagara County Refuse site. The 2007 annual groundwater sampling has yet to be completed due to a lack of water in the monitoring wells. As of two weeks ago, two of the wells had a few inches of water and two wells had approximately one inch of water. While this is better than previous months, this would have limited sample collection to two wells or less. O&M Enterprises, Inc. plans to check the water levels weekly and evaluate the possibility of sampling during the next few weeks. The annual groundwater sampling may need to be

delayed to the spring of 2008.

Please feel free to call or email if you have any questions or comments.

Regards,
Eric

Eric A. Felter, P.G.
Principal Geologist
Parsons
40 La Riviere Drive, Ste 350
Buffalo, NY 14202
Phone direct: (716) 809-9140
Phone office: (716) 541-0730
Fax: (716) 541-0760
Email: Eric.Felter@parsons.com

SAFETY - MAKE IT PERSONAL

APPENDIX C

WATER LEVEL RECORDS

WATER LEVEL RECORD

PROJECT NAME: *NIAGARA COUNTY REFUSE SITE*

LOCATION: Wheatfield, New York

DATE: 10/4/04/0/8 (M M D D Y Y)

CREW MEMBERS: R C Backus

Observation Well	Time of Measurement	Top of Casing Elevation A	Depth to Water B	Water Level Elevation A-B
		feet	feet	feet
EAST "A"	1300	598.93	25.37	573.56
EAST "B"	1225	596.23	19.7	576.53
EAST "C"	1210	598.69	19.85	578.84
EAST "D"	1200	593.20	15.11	578.09
NCR-3S	1050	579.60	3.21	576.39
NCR-4S	1000	591.88	2.59	589.29
NCR-5S	1110	597.34	5.84	591.50
NCR-13S	0930	593.13	4.16	588.97

WET WELLS

Wet Well	Time of Measurement		Depth of Water
WW A	0915		11"
WW B	1010		12"
WW C	1040		6"
WW D	0940		4"

Total System Flow	Time of Measurement
40919025	0915

FORM 16

WATER LEVEL RECORD

PROJECT NAME: *NIAGARA COUNTY REFUSE SITE*

LOCATION: Wheatfield, New York

DATE: 0 5 0 8 0 8 (M M D D Y Y)

CREW MEMBERS: R C Becker

Observation Well	Time of Measurement	Top of Casing Elevation A feet	Depth to Water B feet	Water Level Elevation A-B feet
EAST "A"	1230	598.93	25.39	573.54
EAST "B"	1210	596.23	19.71	576.52
EAST "C"	1150	598.69	19.99	578.70
EAST "D"	1130	593.20	15.02	578.18
NCR-3S	1050	579.60	4.17	575.43
NCR-4S	1100	591.88	2.91	588.97
NCR-5S	0945	597.34	7.45	589.89
NCR-13S	1005	593.13	5.31	587.82

WET WELLS

Wet Well	Time of Measurement		Depth of Water
WW A	1000		13"
WW B	1110		10"
WW C	1035		9"
WW D	1020		6"

Total System Flow	Time of Measurement
41408620	1000

FORM 16

CRA 5723 (17)

WATER LEVEL RECORD

PROJECT NAME: *NIAGARA COUNTY REFUSE SITE*

LOCATION: Wheatfield, New York

DATE: 06/05/68 (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"	1130	598.93	25.46	573.47
EAST "B"	1110	596.23	19.96	576.27
EAST "C"	1055	598.69	20.18	578.51
EAST "D"	1045	593.20	15.2	578.00
NCR-3S	1015	579.60	dry	
NCR-4S	0955	591.88	3.61	588.27
NCR-5S	1030	597.34	9.0	588.34
NCR-13S	0910	593.13	6.92	586.21

WET WELLS

Wet Well	Time of Measurement		Depth of Water
WW A	0900		~12"
WW B	1020		~10"
WW C	0945		~10"
WW D	0930		~6"

Total System Flow	Time of Measurement
41473925	0900

FORM 16

APPENDIX D

MONTHLY INSPECTION LOGS

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

DATE: 04/04/08 (MM DD YY)

INSPECTOR(S): RC Bolan

Item	Inspect For	Action Required	Comments
1. Perimeter Collection System/Off-Site Forcemain			
Manholes	- cover on securely	good	
	- condition of cover	good	
	- condition of inside of manhole	good	
	- flow conditions	no flow	
Wet Wells	- cover on securely	good	
	- 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	short	
	- dead/dying vegetation	winter kill	

FORM 1

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

DATE: 04/04/08 (MM DD YY)

INSPECTOR(S): RC Becker

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	winter kill	
	- change in water budget	high	
	- 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: 01/01/18 (MM DD YY)

INSPECTOR(S): RC Barker

	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	winter kill	
		- 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	intact good condition	
	Wells	- locks secure	good	

FORM 1

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

DATE: 05/09/08 (MM DD YY)

INSPECTOR(S): RC Becker

Item	Inspect For	Action Required	Comments
1.	**Perimeter Collection System/Off-Site Forcemain**		
☐	Manholes - cover on securely	OK	
	- condition of cover	OK	
	- condition of inside of manhole	OK	
	- flow conditions	OK	
☐	Wet Wells - cover on securely	OK	
	- condition of cover	OK	
	- condition of inside of wet well	OK	
2.	**Landfill Cap**		
☐	Vegetated Soil Cover - erosion	none	
	- bare areas	none	
	- washouts	none	
	- leachate seeps	none	
	- length of vegetation	growing	
	- dead/dying vegetation	none	

FORM 1

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

DATE: 05/31/08 (MM DD YY)

INSPECTOR(S): RC Becker

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	average	
	- general condition of wetlands	good	
4. Other Site Systems			
☐ Perimeter Fence	- integrity of fence	OK	
	- integrity of gates	OK	
	- integrity of locks	OK	
	- placement and condition of signs	OK	

FORM 1

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

DATE: 05/15/08 (MM DD YY)

INSPECTOR(S): RC Rocker

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	OK	
	Culverts - sediment build-up	none	
	- erosion	none	
	- condition of erosion protection	good	
	- flow obstructions	none	
	Gas Vents - intact /damage	intact	
	Wells - locks secure	OK	

FORM 1

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

DATE: 6/6/05/08 (MM DD YY)

INSPECTOR(S): Richard C Bork

	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	none	

FORM 1

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

DATE: 06/05/08 (MM DD YY)

INSPECTOR(S): Richard C Rocker

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 than last month	
	- 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 | 6 | 9 | 5 | 0 | 1 | 8 | (MM DD YY)

INSPECTOR(S): Richard C Becker

	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

APPENDIX E

MAINTENANCE RECORD LOGS

MAINTENANCE RECORD LOG

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

CREW MEMBERS: RC Barker

1. Date: 06 05 08 (MM DD YY)

Time: 1200 (HH mm)

Scheduled/Unscheduled: scheduled

Type of Maintenance Performed: paint monitoring wells

2. Company Performing Maintenance

Name: O+M Enterprises, Inc.

Address: 7134 Marigold Dr.

North Tonawanda, NY

Contact Name: Rick Barker

3. Methods Used:

painted wells

Description of Material Removed:

none

Problems/Comments:

~~none~~ none

6/05/08 Richard C Barker Richard C Barker

DATE INSPECTOR INSPECTOR'S SIGNATURE

FORM 2

MAINTENANCE RECORD LOG

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

CREW MEMBERS: RC Barker

1. Date: 0|6|0|6|0|8 (MM DD YY)

Time: 1|0|3|0 (HH mm)

Scheduled/Unscheduled: Scheduled

Type of Maintenance Performed: mow grass around gates + fence line

2. Company Performing Maintenance

Name: O+M Enterprises Inc

Address: 7134 Marigold Dr.
North Tonawanda, NY 14120

Contact Name: RC Barker

3. Methods Used:

Tractor mounted mower

Description of Material Removed:

none

Problems/Comments:

none

6/06/08 Richard C Barker Richard C Barker

DATE INSPECTOR INSPECTOR'S SIGNATURE

FORM 2

MAINTENANCE RECORD LOG

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

CREW MEMBERS: RC Becker

1. Date: 06 08 08 (MM DD YY)

Time: 2010 (HH mm)

Scheduled/Unscheduled: unscheduled

Type of Maintenance Performed: pump float switch tangled Wet Well D

2. Company Performing Maintenance

Name: O+M Enterprises Inc

Address: 7134 Marigold Dr.
North Tonawanda, NY 14120

Contact Name: Richard Becker

3. Methods Used:

untangle float switch

Description of Material Removed:

none

Problems/Comments:

none

6/8/08 Richard C Becker [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 Backen

1. Date: 06/21/08 (MM DD YY)

Time: 1630 (HH mm)

Scheduled/Unscheduled: unscheduled

Type of Maintenance Performed: tangled float switch Wet Well A

2. Company Performing Maintenance

Name: O+M Enterprises Inc

Address: 7134 Marigold Dr.
North Tonawanda, NY 14120

Contact Name: Rick Backen

3. Methods Used:

untangle float switch

Description of Material Removed:

none

Problems/Comments:

none

6/21/08 Richard C Backen Richard C Backen

DATE INSPECTOR INSPECTOR'S SIGNATURE

FORM 2

CRA 5723 (17)

APPENDIX F

COMPACT DISK CONTAINING REPORT