

# SEMI-ANNUAL DATA SUMMARY REPORT

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## NIAGARA COUNTY REFUSE DISTRICT SITE

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Wheatfield, Niagara County, New York

(NYSDEC Site No. 9-32-026)

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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

**August 2009**

# SEMI-ANNUAL DATA SUMMARY REPORT

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*Prepared For:*

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**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 second quarter monitoring activities from April through June 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 effluent sampling frequency. Prior to the revised permit, samples were collected monthly. In 2009, an effluent sample was collected in March 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 September 2009.

#### **1.1.2 Groundwater Sampling**

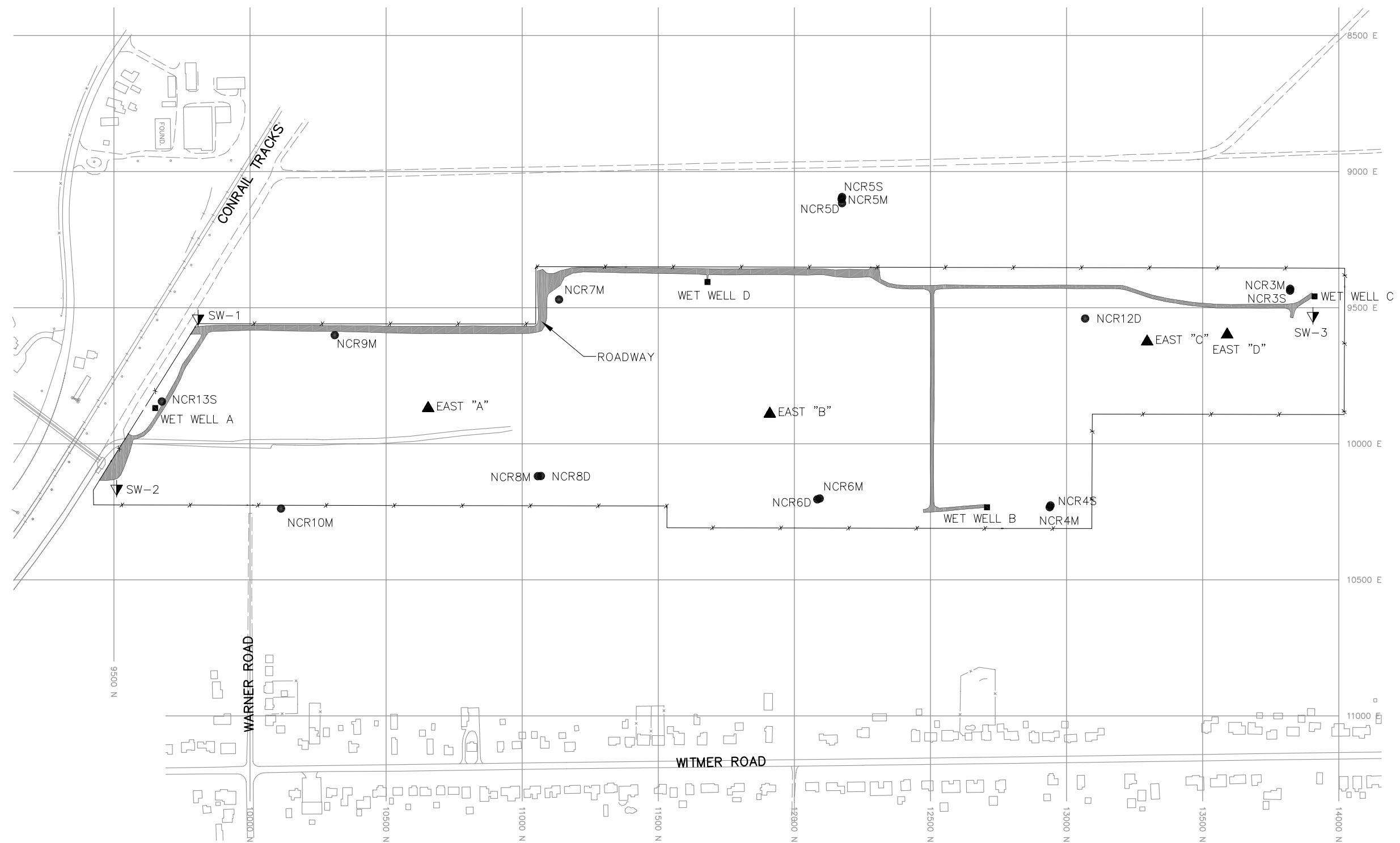
Groundwater samples were not collected during this reporting period. In accordance with the approved OM&M Plan (CRA, 2000), the groundwater sampling frequency was decreased from a quarterly to a semi-annual basis in 2003, and from a semi-annual to an annual basis beginning in 2006. Annual groundwater 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 April, May, and June 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 April 3, May 1, and June 4, 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 |

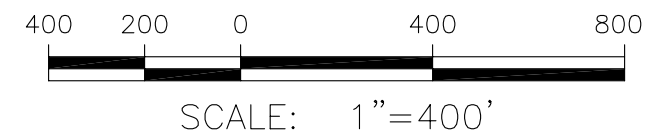


FIGURE 1.1

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 second quarter OM&M activities conducted from April through June 2009. Activities during this quarter included water level measurements, maintenance work, and Site inspections.

#### **2.1 EFFLUENT SAMPLES**

No effluent samples were required to be collected under the discharge permit during the reporting period. The next effluent sample is scheduled to be collected in September 2009.

#### **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. Figure 1.1 shows the locations of the water level monitoring points. Water levels in the monitoring wells generally decreased slightly over the reporting quarter. Wells NCR-3S and NCR-4S did not contain any water when water levels were measured in June. 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, 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 short during the April and May inspections and 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 typical of winter dormant conditions during the April Site inspection. A slightly higher than normal water level was noted in the wetland area during the April site inspection and a normal wetland water level was noted in May and 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 mowing the perimeter of the landfill, inside the fence, and walking paths to monitoring and observation wells on June 11. Copies of the Maintenance Record Logs have been included in Appendix E.

Occasional unscheduled maintenance at the landfill is required.

- On April 9, the discharge hose on wet well C was replaced.
- On May 14, damage to approximately 40 feet of the perimeter fence was identified. The Niagara County Sheriff's office was called and responded but would not complete a report unless the damage was not agreed to be repaired by the adjacent property owner. Damage was done by a large piece of farming equipment. O&M Enterprises, Inc. has increased the number of site visits while the fence is down to provide additional site security. The adjacent property owner has acknowledged that his equipment damaged the fence and has agreed to hire a fencing subcontractor to complete the repairs. O&M Enterprises, Inc. has discussed the repairs with the fencing subcontractor. Repairs are currently scheduled for early July.
- On June 18, a float switch stuck in Wet Well A and was freed.

## **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**

<b>Inspection Item</b>	<b>Acceptable</b>	<b>Requires Action</b>	<b>Comments</b>
Manholes	X		
Wet Wells	X		Water levels were measured monthly.
Wetlands	X		Water level was noted to be normal during the May and June inspections and slightly higher than normal during the April inspection. Water levels were within the historical range.
Perimeter Fence		X	Damage to approximately 40 feet of fence was identified May 14. Repairs are scheduled for early July.
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. Fence damage is scheduled for repair in early July.
- 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 slightly during the reporting period. Measured water levels were consistent with levels observed in previous years between April and June.
- Wetlands vegetation appeared to be in a dormant state, typical for winter conditions, during the April site inspection, and was in good condition in May and June, 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**

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**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

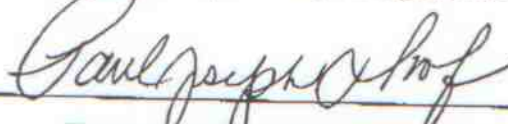
Classified by S.I.C. Number(s): N/A

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**



**Treatment Plant Superintendent**

**Signed this 31st day of January, 2007**

PERMIT NUMBER: 2628010

Part I  
Page 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.
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  
Page 1 of 4

## B. DISCHARGE REPORTING REQUIREMENTS

[illegible]

**PERMIT NUMBER: 2628010****Part I**  
**Page 4 of 4****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,

A handwritten signature in dark ink, appearing to read "Michael J. Negrelli", with a long horizontal flourish extending to the right.

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:

4/3/2009

MMDDYY

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"	12:55	598.93	25.42	573.33
EAST "B"	12:15	596.23	19.44	576.29
EAST "C"	12:25	598.69	19.36	578.49
EAST "D"	12:40	593.20	14.81	577.66
NCR-3S	11:00	579.60	2.2	576.05
NCR-4S	11:45	591.88	2.39	588.52
NCR-5S	12:00	597.34	8	590.56
NCR-13S	10:35	593.13	4.04	588.12

### WET WELLS

Wet Well	Time of Measurement		Depth of Water
WW A	10:00		~12"
WW B	11:25		~11"
WW C	10:45		~6"
WW D	10:15		~7"

Total System Flow	Time of Measurement
45203230	10:00

FORM 16

# WATER LEVEL RECORD

PROJECT NAME: NIAGARA COUNTY  
REFUSE SITE

LOCATION: Wheatfield, New York

DATE: 

0	5	0	1	0	9
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(MM 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"	10:55	598.93	25.64	5 7 3 . 2 9
EAST "B"	11:25	596.23	19.99	5 7 6 . 2 4
EAST "C"	11:55	598.69	20.35	5 7 8 . 3 4
EAST "D"	12:20	593.20	15.65	5 7 7 . 5 5
NCR-3S	10:00	579.60	3.48	5 7 6 . 1 2
NCR-4S	10:30	591.88	2.9	5 8 8 . 9 8
NCR-5S	9:15	597.34	6.46	5 9 0 . 8 8
NCR-13S	9:35	593.13	4.77	5 8 8 . 3 6

## WET WELLS

Wet Well	Time of Measurement	Total Flow	Depth of Water
WW A	9:15		~10"
WW B	10:45		~12"
WW C	10:10		~6"
WW D	9:40		~6"

Total System Flow	Time of Measurement
459770200	9:15

FP-3D



## WATER LEVEL RECORD

PROJECT NAME: NIAGARA COUNTY  
REFUSE SITE

LOCATION: Wheatfield, New York

DATE: 

0	6	0	4	0	9
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(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"	10:40	598.93	25.66	5 7 3 .	2 7
EAST "B"	11:25	596.23	20	5 7 6 .	2 3
EAST "C"	12:00	598.69	20.55	5 7 8 .	1 4
EAST "D"	12:20	593.20	15.75	5 7 7 .	4 5
NCR-3S	9:50	579.60	dry		
NCR-4S	10:15	591.88	dry		
NCR-5S	9:05	597.34	6.87	5 9 0 .	4 7
NCR-13S	9:25	593.13	5.95	5 8 7 .	1 8

### WET WELLS

Wet Well	Time of Measurement	Total Flow	Depth of Water
WW A	9:15		~10"
WW B	10:45		~8"
WW C	10:10		~7"
WW D	9:40		~6"

Total System Flow	Time of Measurement
46272300	9:20

FP-3D

**APPENDIX D**  
**MONTHLY INSPECTION LOGS**

# MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

INSPECTOR(S):

DATE: 04/03/09  
(MM DD YY)

*R. C. Becken*

Item	Inspect For	Action Required	Comments
1. Perimeter Collection System/Off-Site Foremain			
Manholes	- cover on securely	OK	
	- condition of cover	good	
	- condition of inside of manhole	good	
	- flow conditions	OK	
Wet Wells	- cover on securely	OK	
	- 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

INSPECTOR(S):

*R. Beck*

DATE: 07/03/47  
(MM DD YY)

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

# MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

INSPECTOR(S): RC Becker

DATE: 04/03/07  
(MM DD YY)

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

FORM 1

# MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

INSPECTOR(S):

*R. Becken*

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

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

FORM 1

# MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

INSPECTOR(S): RC Benken

DATE: 10/5/09  
(MM DD YY)

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

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

INSPECTOR(S):

R. Becker

DATE: 05/09/09  
(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	NIS	
	- 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 Wells	- intact / damage	intact	
	- locks secure	yes	



# MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

INSPECTOR(S): RC Backen

DATE: 06/04/09  
(MM DD YY)

Item	Inspect For	Action Required	Comments
1. Perimeter Collection System/Off-Site Foremain			
Manholes	- cover on securely	yes	
	- condition of cover	good	
	- condition of inside of manhole	good	
	- flow conditions	no apparent 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

INSPECTOR(S): Rebuck

DATE: 06/01/09  
(MM DD YY)

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

# MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

INSPECTOR(S): R. C. Becker

DATE: 06/01/09  
(MM DD YY)

Comments

Action Required

## 4. Other Site Systems (continued)

Drainage Ditches/  
Swale Outlets

- sediment build-up
- erosion
- condition of erosion protection
- flow obstructions
- dead/dying vegetation
- cable concrete/gabion mats and riprap

none  
none  
good  
none  
none  
good

Culverts

- sediment build-up
- erosion
- condition of erosion protection
- flow obstructions

none  
none  
good  
none

Gas Vents

- intact / damage

intact

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: R. Becken

1. Date: 04/09/09 (MM DD YY)

Time: 0930 (HH mm)

Scheduled/Unscheduled: unscheduled

Type of Maintenance Performed: repair discharge hose WWC

2. Company Performing Maintenance

Name: O+M Enterprises, Inc.

Address: 7134 Marigold Dr.  
North Tonawanda, NY 14120

Contact Name: Rick Becken

3. Methods Used:

cut bad section of hose replaced hose end and reconnected  
to discharge pipe

Description of Material Removed:

none

Problems/Comments:

none

4/9/09

DATE

Richard C Becken

INSPECTOR

Richard C Becken

INSPECTOR'S SIGNATURE

FORM 2

# MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

CREW MEMBERS: RC Becken

1. Date: 05/14/09 (MM DD YY)

Time: 1230 (HH mm)

Scheduled/Unscheduled: unscheduled

Type of Maintenance Performed: tempor. repair of fence

2. Company Performing Maintenance

Name: OIM Enterprises, Inc

Address: 7154 Marigold Dr.

North Tonawanda, NY 14120

Contact Name: Rick Becken

3. Methods Used:

Found Farmer had pulled fence down with his farm equipment while tilling soil in field. Called Niagara County sheriff who responded he called farmer D. Millerville who found out that one of his employees had done it and not told anyone. D. Millerville (310-4004) told me he would contact his insurance carrier to get the fence repaired

Description of Material Removed:

none. I tried to fix the fence back up the best I could to secure the area, but fence is twisted and bent up badly and two fence posts were bent over at ground level.

Problems/Comments:

I will visit site more frequently until fence is repaired

5/14/09

DATE

Richard C Becken

INSPECTOR

RC Becken

INSPECTOR'S SIGNATURE

FORM 2

## MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

CREW MEMBERS:

R C Brecken

1. Date: 

0	6	1	1	0	9
---	---	---	---	---	---

 (MM DD YY)

Time: 

0	9	0	0
---	---	---	---

 (HH mm)

Scheduled/Unscheduled:

Scheduled

Type of Maintenance Performed:

mow perimeter of landfill

2. Company Performing Maintenance

Name:

DJM Enterprises, Inc.

Address:

7134 Mangold Dr.

North Tonawanda, NY 14120

Contact Name:

Richard C Brecken

3. Methods Used:

Tractor/mower: mowed perimeter, around wells, and several  
paths between wells

Description of Material Removed:

none

Problems/Comments:

none

6/11/09

DATE

Richard C Brecken

INSPECTOR

Richard C Brecken

INSPECTOR'S SIGNATURE

FORM 2

## MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

CREW MEMBERS: Richard Becken

1. Date: 

0	6	1	8	0	9
---	---	---	---	---	---

 (MM DD YY)

Time: 

1	7	0	0
---	---	---	---

 (HH mm)

Scheduled/Unscheduled: unscheduled

Type of Maintenance Performed: well pump float switch stuck

2. Company Performing Maintenance

Name: D+M Enterprises Inc.

Address: 7134 Mangrove Dr.  
North Tonawanda, NY 14120

Contact Name: Richard Becken

3. Methods Used:

move conduit that float switch is attached to  
to free tangled float

Description of Material Removed:

none

Problems/Comments:

none

6/18/09

DATE

Richard Becken

INSPECTOR

Paul D. Fied

INSPECTOR'S SIGNATURE

FORM 2



## MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

CREW MEMBERS: Richard Barker

1. Date: 

0	6	1	8	0	7
---	---	---	---	---	---

 (MM DD YY)

Time: 

1	7	0	0
---	---	---	---

 (HH mm)

Scheduled/Unscheduled: unscheduled

Type of Maintenance Performed: well pump float switch stuck

2. Company Performing Maintenance

Name: DINA Enterprises Inc.

Address: 7134 Manigault Dr.  
North Tonawanda, NY 14120

Contact Name: Richard Barker

3. Methods Used:

move conduit that float ~~switch~~ switches are attached to  
to free trapped float

Description of Material Removed:

none

Problems/Comments:

none

6/18/09  
DATE

Richard C. Barker  
INSPECTOR

[Signature]  
INSPECTOR'S SIGNATURE

FORM 2

**APPENDIX F**

**COMPACT DISK CONTAINING REPORT**