

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
DEPARTMENT OF
ENVIRONMENTAL CONSERVATION

SUBMITTED FOR:

**NIAGARA COUNTY REFUSE DISTRICT
AND PRP GROUP**

PREPARED BY:

PARSONS

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

April 2011

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 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 2011.

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 reporting period, an effluent sample was collected on March 4. The next effluent sample is scheduled to be collected in September. 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

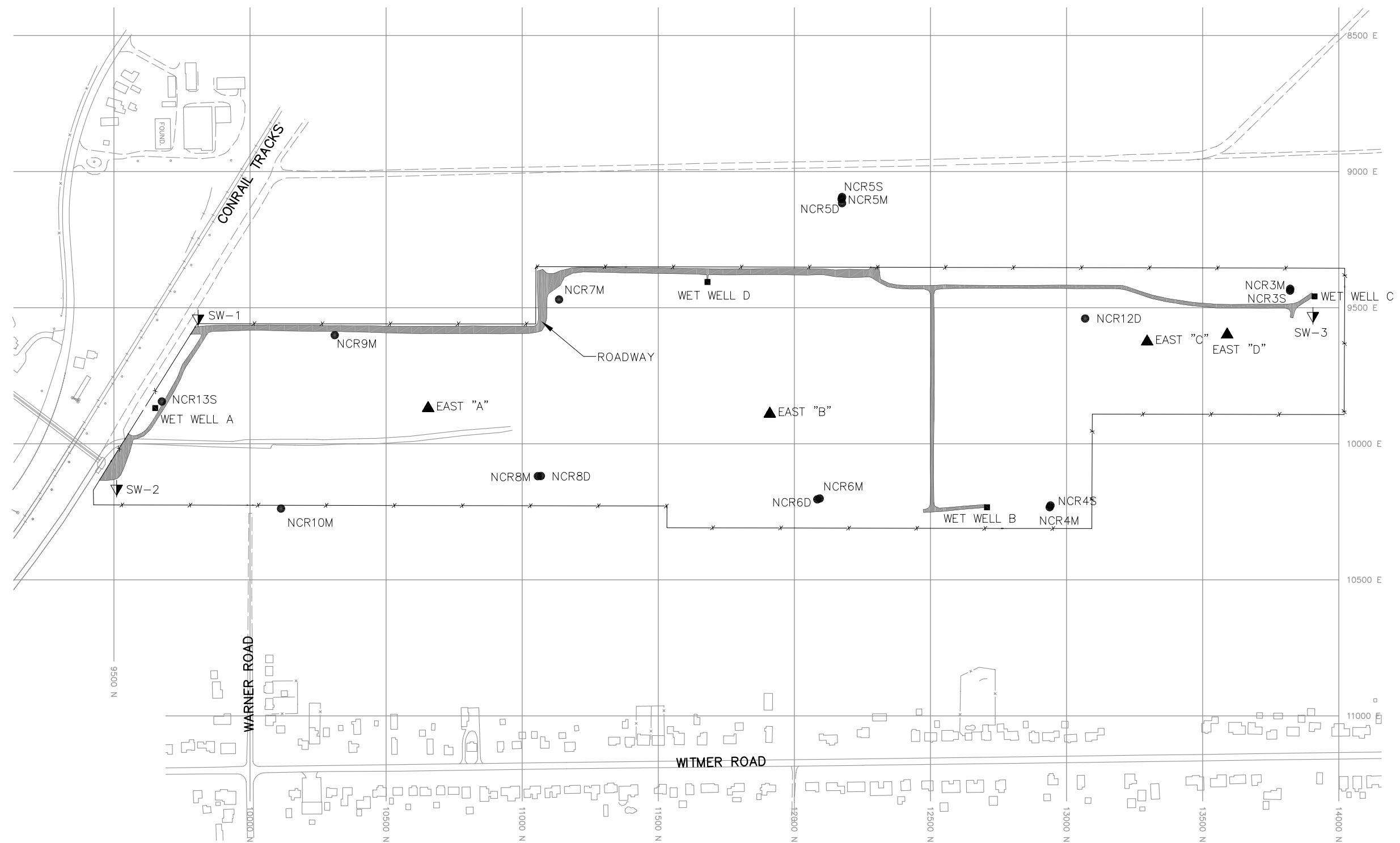
Groundwater samples were not collected during this reporting period. In accordance with the approved OM&M Plan (CRA, 2000), the groundwater sampling frequency was decreased from a quarterly to a semi-annual basis in 2003, and from a semi-annual to an annual basis beginning in 2006. The next round of groundwater samples is scheduled to be collected in November 2011.

1.1.3 Water Level Measurements

Water levels were measured during monthly Site inspections in January, February, and March 2011. 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 7, February 9, and March 3, 2011. 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 |



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

SECTION 2

RESULTS

This section describes the results of the first quarter OM&M activities conducted from January through March 2011. Activities during this quarter included fence and gate repairs near the entrance road to the landfill, water level measurements, effluent sampling, repairs to Wet Well C, and Site inspections.

2.1 EFFLUENT SAMPLES

One effluent sample was collected during the reporting period (March 4, 2011). 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 2011 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 2011 sampling event have been included in Appendix A. The next effluent sample is scheduled to be collected in September 2011.

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 2011, assuming groundwater levels are adequate. 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 7, February 9, and March 3, 2011. Water levels in the monitoring wells increased over the reporting quarter. Measured water levels were consistent with levels observed in previous years between January and March.

2.4 SITE INSPECTIONS

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

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

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

Additionally, the access roads were examined for erosion, potholes/puddles, and obstructions. All aspects of the access roads that were examined were deemed acceptable, when they were not covered in snow.

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 a condition typical for winter during each of the inspections. Normal water level for the time of year was noted in the wetland area during each of the 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 repairs to a section of fence and the gate off Witmer Road, and pump repairs at Wet Well C. Scheduled maintenance during the reporting period was completed as follows:

- On January 3, the sign at the entrance to the landfill off Witmer Road was removed.
- On January 5, the section of fence that the sign was attached to was replaced along with the top and mid-rails and post. Additionally, the gates adjacent to the section of fence were re-hung.
- On January 6, the sign at the entrance to the landfill off Witmer Road was re-installed and a new chain used to lock the gate was installed.
- On February 24, the pump and motor in Wet Well C was replaced with the spare pump and a section of riser was replaced.
- On February 25, repairs to the pump previously removed from Wet Well C were completed.

- On February 26, the repaired pump was reinstalled in Wet Well C, and the spare pump was removed and stored.
- On February 28, the float switches in the wet wells were adjusted slightly.

Unscheduled maintenance during the reporting period included troubleshooting the pump in Wet Well C due to an alarm on February 23. The pump was able to be re-started and was replaced the next day by the spare pump.

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 normal during the monthly inspections. Water levels were within the historical range. Overall observed wetland conditions were typical of winter conditions.
Perimeter Fence	X		No damage was observed during the quarter.
Condition of Roads	X		No potholes were observed.
Integrity of the Cap	X		No erosion was observed. Short vegetation was noted in January and March. Snow covered the cap in February.
Drainage Ditches/Swales	X		
Gas Venting System	X		
Wells	X		Water levels were measured monthly.
Culverts	X		
Other	X		In January, a section of fence was replaced and gates repaired near the entrance to the Site off Witmer Road.

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. Typically, repairs are made as necessary following identification of problems or maintenance needs.
- As specified in the OM&M Manual, annual groundwater monitoring commenced in 2006. Groundwater samples are currently scheduled to be collected in November 2011, 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 were typical for the time of year over the reporting quarter.
- Wetlands vegetation was in a condition typical of winter months 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

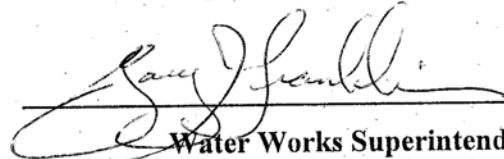
Classified by S.I.C. Number(s): N/A

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 2010

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.

[illegible]

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

Paula Sattelberg
Superintendent



David A. Scott
Chief Operator

John C. Maurer
Maintenance Supervisor

William M. Davignon
Lab Director/Chemist

CHAIN OF CUSTODY
Sampling Record
NIAGARA COUNTY REFUSE SITE

DATE: March 3 & 4, 2011

SAMPLES SIGNATURE Richard Beck SITE NAME: NIAGARA COUNTY REFUSE SITE

SPL #	SAMPLE NAME	DATE	TIME	SAMPLE LOCATION	SAMPLE TYPE	#OF BTLS
01	30311RCBEFF	3/3/11	0800	Wet Well A	volatiles	2
02	"	3/3/11	1700	" " "	"	2
03	"	3/4/11	0830	" " "	"	2
04	"	3/3/11 - 3/4/11	0800 - 0800	" " "	Wet chemistry	1

FLows: FINAL METER READING 53616420
INITIAL METER READING 53583165
MONTHLY FLOW 33,255

RELINQUISHED BY: Richard Beck
RECEIVED BY: Wendy [Signature]
DATE 3/4/11
TIME 8:07 AM

APPENDIX B

WATER LEVEL RECORDS

WATER LEVEL RECORD

PROJECT NAME: NIAGARA COUNTY
REFUSE SITE

LOCATION: Wheatfield, New York

DATE:

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

(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"	12:25	598.93	25.88	5 7 3 . 0 5
EAST "B"	12:05	596.23	19.43	5 7 6 . 8 0
EAST "C"	11:55	598.69	19.83	5 7 8 . 8 6
EAST "D"	11:35	593.20	14.99	5 7 8 . 2 1
NCR-3S	9:25	579.60	3.56	5 7 6 . 8 2
NCR-4S	10:15	591.88	3.04	5 8 8 . 8 4
NCR-5S	11:05	597.34	7.68	5 8 9 . 6 6
NCR-13S	8:35	593.13	4.6	5 8 8 . 5 3

WET WELLS

Wet Well	Time of Measurement	Total Flow	Depth of Water
WW A	8:20		~8"
WW B	10:05		~4"
WW C	9:35		~4"
WW D	8:50		~10"

Total System Flow	Time of Measurement
52531320	8:20

WATER LEVEL RECORD

PROJECT NAME: NIAGARA COUNTY
REFUSE SITE

LOCATION: Wheatfield, New York

DATE:

0	2	0	9	1	1
---	---	---	---	---	---

(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"	14:55	598.93	26.05	5 7 2 . 8 8
EAST "B"	14:25	596.23	19.95	5 7 6 . 2 8
EAST "C"	13:50	598.69	20.45	5 7 8 . 2 4
EAST "D"	13:35	593.20	15.21	5 7 7 . 9 9
NCR-3S	11:25	579.60	3.9	5 7 5 . 7 0
NCR-4S	10:15	591.88	2.9	5 8 8 . 9 8
NCR-5S	12:45	597.34	7.33	5 9 0 . 0 1
NCR-13S	9:55	593.13	4.77	5 8 8 . 3 6

WET WELLS

Wet Well	Time of Measurement	Total Flow	Depth of Water
WW A	9:50		~6"
WW B	11:55		~5"
WW C	11:15		~4"
WW D	10:40		~7"

Total System Flow	Time of Measurement
52879155	9:50

FP-3D

WATER LEVEL RECORD

PROJECT NAME: NIAGARA COUNTY
REFUSE SITE

LOCATION: Wheatfield, New York

DATE:

0	3	0	3	1	1
---	---	---	---	---	---

(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"	13:45	598.93	26.12	5 7 2 . 8 1
EAST "B"	12:45	596.23	20.17	5 7 6 . 0 6
EAST "C"	12:15	598.69	21.01	5 7 7 . 6 8
EAST "D"	11:45	593.20	15.8	5 7 7 . 4 0
NCR-3S	10:55	579.60	3.39	5 7 6 . 2 1
NCR-4S	10:30	591.88	2.65	5 8 9 . 2 3
NCR-5S	11:35	597.34	5.95	5 9 1 . 3 9
NCR-13S	9:15	593.13	4.4	5 8 8 . 7 3

WET WELLS

Wet Well	Time of Measurement	Total Flow	Depth of Water
WW A	9:05		~8"
WW B	10:15		~6"
WW C	10:05		~20"
WW D	9:45		~7"

Total System Flow	Time of Measurement
53586800	9:05

FP-3D

APPENDIX C

MONTHLY INSPECTION LOGS

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

INSPECTOR(S): RL Becker

DATE: 01/07/11
(MM DD YY)

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 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	no	
	- bare areas	no	
	- washouts	no	
	- leachate seeps	no	
	- 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): RC Belken

DATE: 06 11 07 11
(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	<u>winter kill</u> <u>no</u> <u>no</u> <u>no</u>	
3. Wetlands (Area "F")	- dead/dying vegetation - change in water budget - general condition of wetlands	<u>winter kill</u> <u>normal</u> <u>good</u>	
4. Other Site Systems			
Perimeter Fence	- integrity of fence - integrity of gates - integrity of locks - placement and condition of signs	<u>good</u> <u>good</u> <u>good</u> <u>good</u>	

FORM 1

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

INSPECTOR(S):

R. C. Barker

DATE: 01/07/11
(MM DD YY)

Item	Inspect For	Action Required	Comments
4. <input type="checkbox"/>	Other Site Systems (continued)		
<input type="checkbox"/>	Drainage Ditches / Swale Outlets		
<input type="checkbox"/>	- sediment build-up	<i>no</i>	
<input type="checkbox"/>	- erosion	<i>no</i>	
<input type="checkbox"/>	- condition of erosion protection	<i>good</i>	
<input type="checkbox"/>	- flow obstructions	<i>none</i>	
<input type="checkbox"/>	- dead / dying vegetation	<i>winter kill</i>	
<input type="checkbox"/>	- cable concrete / gabion mats and riprap	<i>good</i>	
<input type="checkbox"/>			
<input type="checkbox"/>	Culverts		
<input type="checkbox"/>	- sediment build-up	<i>no</i>	
<input type="checkbox"/>	- erosion	<i>no</i>	
<input type="checkbox"/>	- condition of erosion protection	<i>good</i>	
<input type="checkbox"/>	- flow obstructions	<i>none</i>	
<input type="checkbox"/>			
<input type="checkbox"/>	Gas Vents		
<input type="checkbox"/>	- intact / damage	<i>intact</i>	
<input type="checkbox"/>	Wells		
<input type="checkbox"/>	- locks secure	<i>yes</i>	

FORM 1

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

INSPECTOR(S):

R. C. Baker

DATE: 10/22/09
(MM DD YY)

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

FORM 1

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

INSPECTOR(S): RC Becker

DATE: 02/09/11
(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

Area covered

none

none

snow

3. Wetlands (Area "F")

- dead/dying vegetation

- change in water budget

- general condition of wetlands

area winter fill

normal

good

4. Other Site Systems

--	--	--	--

Perimeter Fence

- integrity of fence

- integrity of gates

- integrity of locks

- placement and condition of signs

good

good

good

good

FORM 1

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

INSPECTOR(S):

Richard C. Bockan

DATE: 01/29/11
(MM DD YY)

Item	Inspect For	Action Required	Comments
4. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	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	<i>none (seen)</i> <i>none</i> <i>good</i> <i>none</i> <i>under snow</i> <i>OK</i>	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Culverts	<i>none</i> <i>none</i> <i>good under snow</i> <i>none</i>	
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Gas Vents Wells	<i>intact</i> <i>yes</i>	

FORM 1

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

DATE: 03/11
(MM DD YY)

INSPECTOR(S): RCB

Item Inspect For Action Required Comments

1. Perimeter Collection System/Off-Site Forcemain

Manholes
- cover on securely
- condition of cover
- condition of inside of manhole
- flow conditions

Wet Wells
- cover on securely
- condition of cover
- condition of inside of wet well

2. Landfill Cap

Vegetated Soil Cover
- erosion
- bare areas
- washouts
- leachate seeps
- length of vegetation
- dead/dying vegetation

FORM 1

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

INSPECTOR(S): Richard C. Becken

DATE: 11/03/11
(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	<u>winter kill</u> <u>none</u> <u>none</u> <u>snow</u>	
3. Wetlands (Area "F")	- dead/dying vegetation - change in water budget - general condition of wetlands	<u>winter kill</u> <u>normal</u> <u>good</u>	
4. Other Site Systems			
Perimeter Fence	- integrity of fence - integrity of gates - integrity of locks - placement and condition of signs	<u>good</u> <u>good</u> <u>good</u> <u>good</u>	

FORM 1

MONTHLY INSPECTION LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

INSPECTOR(S):

Richard C. Becker

DATE: 03/03/11
(MM DD YY)

Item

Inspect For

Action Required

Comments

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
snow
winter kill
good

Culverts

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

--	--	--	--

none
none
good
snow

Gas Vents

- intact / damage

--	--

intact

Wells

- locks secure

yes

FORM 1

APPENDIX D

MAINTENANCE RECORD LOGS

MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

CREW MEMBERS: R C Boeken

1. Date: 01/03/11 (MM DD YY)

Time: 1515 (HH mm)

Scheduled/Unscheduled: scheduled

Type of Maintenance Performed: remove NCR sign

2. Company Performing Maintenance

Name: Otm Enterprises Inc.

Address: 7134 Margold Dr.
N. Tonawanda, NY 14120

Contact Name: Richard C Boeken

3. Methods Used:

remove sign from fence

Description of Material Removed:

sign

Problems/Comments:

none

1/3/11

DATE

Richard C Boeken

INSPECTOR

Richard C Boeken

INSPECTOR'S SIGNATURE

FORM 2

MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

CREW MEMBERS: Imperial Fence

1. Date:

0	1	0	5	1	1
---	---	---	---	---	---

 (MM DD YY)

Time:

1	0	3	0
---	---	---	---

 (HH mm)

Scheduled/Unscheduled: scheduled

Type of Maintenance Performed: repair fence + gate

2. Company Performing Maintenance

Name: Imperial Fence

Address: 3325 Niagara Falls Blvd.
N. Tonawanda, NY 14120

Contact Name: Brad Bonai

3. Methods Used:

install new 3" post, straighten 2-4" post and reset, install new
fence wire, top + mid rails, rehang gates

Description of Material Removed:

old post and fence

Problems/Comments:

none

1/5/12

DATE

Richard C Berken

INSPECTOR

Richard C Berken

INSPECTOR'S SIGNATURE

FORM 2

MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

CREW MEMBERS: RC Becken

1. Date: 01/06/11 (MM DD YY)

Time: 0945 (HH mm)

Scheduled/Unscheduled: scheduled

Type of Maintenance Performed: rehang sign

2. Company Performing Maintenance

Name: Orin Enterprises

Address: 7134 Marginal Dr.
N. Tonawanda, NY 14120

Contact Name: Rick Becken

3. Methods Used:

rehang sign, provide new chain to lock gate

Description of Material Removed:

none

Problems/Comments:

none

1/6/11

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: Richard C Becker

1. Date: 02/23/11 (MM DD YY)

Time: 1930 (HH mm)

Scheduled/Unscheduled: unscheduled

Type of Maintenance Performed: trouble shoot wet well pump alarm

2. Company Performing Maintenance

Name: Oam Enterprises, Inc.

Address: 7134 Marigold Dr.
North Tonawanda, NY 14120

Contact Name: Rick Becker

3. Methods Used:

restarted and checked amperage

Description of Material Removed:

none

Problems/Comments:

high amperage - pump & motor currently operating but will
need replacement probably tomorrow

2/23/11

DATE

Richard C Becker

INSPECTOR

Richard C Becker

INSPECTOR'S SIGNATURE

FORM 2

MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

CREW MEMBERS: Richard C Becker

1. Date:

0	2	2	4	1	1
---	---	---	---	---	---

 (MM DD YY)

Time:

1	0	3	0
---	---	---	---

 (HH mm)

Scheduled/Unscheduled: scheduled

Type of Maintenance Performed: replace bad well pump motor with spare

2. Company Performing Maintenance

Name: Oam Enterprises, Inc.

Address: 7134 Marigold Dr.
North Tonawanda, NY 14120

Contact Name: Rick Becker

3. Methods Used:

shutdown power lockout + tag, pull motor and pump, replace with
spare pump + motor, needed to cut bad spot (leak) out of
2" hose.

Description of Material Removed:

pump, motor + approximately 1 foot of 2" hose.

Problems/Comments:

none - ordered new pump + motor

2/24/11

DATE

Richard C Becker

INSPECTOR

Richard C Becker

INSPECTOR'S SIGNATURE

FORM 2

MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

CREW MEMBERS:

Richard C Becker

1. Date: 02/25/11 (MM DD YY)

Time: 0930 (HH mm)

Scheduled/Unscheduled:

scheduled

Type of Maintenance Performed:

troubleshoot pump & meter taken from WWC on 2/24/11

2. Company Performing Maintenance

Name:

Oam Enterprises, Inc.

Address:

7134 Marigold Dr.

North Tonawanda, NY 14120

Contact Name:

Rick Becker

3. Methods Used:

disassembled pump & meter cleaned

Description of Material Removed:

none

Problems/Comments:

none

2/25/11

DATE

Rick Becker

INSPECTOR

Richard C Becker

INSPECTOR'S SIGNATURE

FORM 2

MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

CREW MEMBERS: Richard C Becker

1. Date: 02/26/11 (MM DD YY)

Time: 1045 (HH mm)

Scheduled/Unscheduled: Scheduled

Type of Maintenance Performed: install pump in wet well

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 old pump replaced with rebuild spare pump

Description of Material Removed:

old pump/motor

Problems/Comments:

none

2/26/11

DATE

Richard C Becker

INSPECTOR

Richard C Becker

INSPECTOR'S SIGNATURE

FORM 2

MAINTENANCE RECORD LOG

PROJECT NAME: Niagara County Refuse Site

LOCATION: Wheatfield, New York

CREW MEMBERS: Richard C Becker

1. Date: 02/28/11 (MM DD YY)

Time: 1545 (HH mm)

Scheduled/Unscheduled: scheduled

Type of Maintenance Performed: adjust on/off floats

2. Company Performing Maintenance

Name: Oam Enterprises, Inc.

Address: 7134 Marigold Dr.

North Tonawanda, NY 14120

Contact Name: Rick Becker

3. Methods Used:

lowered floats slightly

Description of Material Removed:

none

Problems/Comments:

none

DATE

INSPECTOR

INSPECTOR'S SIGNATURE

FORM 2

APPENDIX E

COMPACT DISK CONTAINING REPORT