Groundwater Monitoring Report
March 2010

Fort Edward Landfill
Site 5-58-001

Work Assignment No.
D004445-19

Prepared for:

SUPERFUND STANDBY PROGRAM
New York State
Department of Environmental Conservation
625 Broadway
Albany, New York 12233

Prepared by:

AECOM Technical Services, Northeast
40 British American Boulevard
Latham, New York 12110

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1.0 INTRODUCTION

This report describes the March 2010 groundwater sampling event conducted at the Fort Edward Landfill Site (Site No. 5-58-001), located in the Town of Fort Edward, Washington County, New York. The work was performed in accordance with the Work Plan for Work Assignment (WA) No. D004445-19 of the State Superfund Standby Contract between the New York State Department of Environmental Conservation (NYSDEC) and AECOM Technical Services Northeast, Inc. (AECOM). The Site location is presented on **Figure 1**.

A work plan was developed for the continued operation, maintenance and monitoring (OMM) of the leachate treatment system at the Site. The groundwater monitoring component of the work plan requires sampling of 11 monitoring wells associated with this Site on a "five-quarter" basis (i.e., approximately every 15 months), with a maximum of three sampling events during this WA.

1.1 SITE DESCRIPTION AND BACKGROUND

The former municipal landfill site is located in the Town of Fort Edward, New York (Figure 1). General Electric (GE) dumped approximately 850 tons of PCB-containing scrap capacitors at this landfill. This waste represents approximately 79% of the total hazardous waste identified at this site. As a result of the 1980 "Seven Site Agreement" with the NYSDEC, GE produced a report in 1983 recommending encapsulation of the landfill within a slurry wall and cap; however, operation continued until 1991 and the proposed remedy was not initiated. Due to extended operation of this landfill and the given problems associated with a similar encapsulation remedy taken at the adjacent Kingsbury Landfill (Site 5-58-008), the 1983 Remedial Design proposal was modified. The modified remedy included the construction of an impermeable landfill cap and a leachate collection system, plus the construction of a pre-treatment building with final treatment in the three constructed wetland cells. [From: NYSDEC Registry of Inactive Hazardous Waste Disposal Sites, April 2002].

The treatment system at the Site was started in September 1998 and was in operation until June 2004. The treatment system was restarted in August 2007 and is currently being operated at a limited capacity. At the time of this sampling event only one extraction well (EW-1) of three was operational. Groundwater from the groundwater collection trench located along the south east corner of the landfill is accumulated in a sump (EW-4) and is pumped to the treatment system. Currently the extraction wells and the treatment system are undergoing repairs and upgrades with the intent of running the system at the designed capacity.

2.0 GROUNDWATER SAMPLING

Groundwater sampling was performed in accordance with the Work Plan for Work Assignment (WA) No. D004445-19 of the State Superfund Standby Contract between the NYSDEC and AECOM, and as directed by NYSDEC emails dated October 13 and November 17, 2006. According to the work plan, AECOM was to sample groundwater at 11 onsite wells on a five-quarter basis, for a maximum of three sampling events during this WA. At the request of the NYSDEC this third sampling event was expanded to include all of the monitoring wells and extraction wells which could be located at the Site. This report summarizes the third event. Groundwater sampling was conducted by Aztech Technologies Inc. who was subcontracted directly by the NYSDEC. The laboratory analyses were completed by Adirondack Environmental Services, Inc. under contract with the NYSDEC.

Groundwater samples were collected from 16 sampling points including 12 monitoring wells, the three extraction wells (EW-1, EW-2, and EW-3) and the groundwater collection trench sump (EW-4). The locations of these wells are presented in Figure 2, a map of the landfill and vicinity. The condition of 20 site wells was assessed and recorded on the logs presented in **Appendix A**. Field Observation Logs - Groundwater Sampling Records are presented in **Appendix B**. A summary of the wells sampled and their screen intervals is presented in **Table 1**.

2.1 GROUNDWATER SAMPLING METHODOLOGY

The work plan called for sampling 11 onsite wells (MW-1, MW-1A, MW-2, MW-2A, MW-5, MW-6, MW-6A, MW-6B, MW-7, MW-8, and New MW). As requested by the NYSDEC groundwater samples were also collected from MW-1D, the three extraction wells (EW-1 through 3), and from the groundwater collection trench sump (EW-4).

Prior to sampling each well, a depth-to-water measurement was taken using a water level indicator, which was rinsed with distilled water before each use. Each monitoring well was purged with a peristaltic pump and dedicated tubing until one of the following conditions was met:

- Parameters (temperature, specific conductivity, dissolved oxygen, pH, and oxidation reduction potential) stabilized to within 10% for three consecutive readings 5 minutes apart
- Three well volumes were removed; or
- The well was dry.

Purge logs are included as **Appendix B**. The purge water was disposed on the ground in the immediate vicinity of each well.

The groundwater samples were collected with dedicated tubing, and were placed in in laboratory-supplied containers. The samples were packed on ice, and submitted under standard Chain-of-Custody (COC) procedures to Adirondack Laboratories in Albany, New York. Each sample was analyzed for volatile organic compounds (VOC) by USEPA Method 8260, CLP metals by Method ILM 4.1, and polychlorinated biphenyls (PCB) by Method 8082.

3.0 RESULTS

3.1 WELL INVENTORY

A total of 20 sampling points were inventoried on log sheets provided by the NYSDEC. The completed logs are presented in **Appendix A**. Most of the monitoring wells on the site are in good condition and have functioning locks, however, several wells were found to be damaged including:

- Two unidentified monitoring wells and two landfill piezometers (LP-1 and LP-2) were found to be damaged and dry. The landfill piezometers are the only monitoring points installed through the waste mass upgradient of the extraction wells.
- The PVC casing or screen of monitoring well MW-5 was found to be pinched below ground surface. This well is one of only two wells downgradiant of the landfill.
- The PVC riser of monitoring well MW-8 is warped about 3-ft below the top of the casing. The damage did not prevent the well from being sampled.
- The protective casing for MW-1 appears to have moved up approximately 2-ft. This can be indicative of frost heave and the casing elevation may no longer be accurate.
- The PVC casing of monitoring well MW-7 was pinched at about 10-inches below the top of the casing. The riser was cut below the pinch to allow for the collection of a groundwater sample. The repair was completed by Aztech on March 25, 2010.

3.2 GROUNDWATER FLOW

Water level and total well depth measurements were obtained at 14 of the 16 wells located onsite. These measurements are noted on the inspection logs in **Appendix A** and groundwater elevations are presented in **Table 2**. Measuring-point elevations were obtained from the November 1995 Final Engineering Report for the Site, prepared by URS Consultants, Inc. As noted in Section 3.1 the risers from monitoring wells MW-7 and MW-10 were cut rendering the casing elevation data unusable. There was not enough elevation data available to accurately contour the groundwater table however, previous reports indicate the overall direction of groundwater flow beneath the landfill is believed to be toward the east-northeast. Several nested wells are installed at the site and the groundwater elevation data suggests that there is a downward vertical gradient between the delta sand and the underlying interbedded unit.

3.3 ANALYTICAL RESULTS

The analytical results from the March 2010 groundwater sampling event are presented in **Table 3**. Only detected compounds/metals are tabulated. Concentrations above the New York State Ambient Water Quality Standards (AWQS) and Guidance Values for groundwater are shown in bold font in a shaded cell for easy reference. Historical dissolved VOC, PCB and Metals data dating back to 1995 are presented in **Table 4**. The dissolved total VOCs and total PCB results are shown on **Figure 3**. The laboratory report is included in **Appendix C.**

3.3.1 Shallow Water Table Aquifer

Shallow water table wells screened in the delta sands which were sampled as part of the March 2010 sampling event include MW-1, MW-2, MW-5, MW-6, MW-7, MW-8, New MW, and the three extraction wells. A sample was also collected from EW-4 which is the collection sump for water in the groundwater collection trench running along the southeast edge of the landfill. Two samples were collected from the

damaged MW-5 including a duplicate sample. The first sample was collected after the well was purged dry; the duplicate sample was collected after the well was purged dry again due to the collection of the first sample. The results for the initial sample and the duplicate sample vary with a greater concentration of VOCs in the duplicate sample. The duplicate sample results are more likely to be representative of the actual groundwater conditions because it was collected after additional purging. Both the initial and duplicate sample results are presented as screening level results for discussion purposes because the well is compromised.

Neither VOCs nor PCBs were detected in the samples from MW-1, MW-2, MW-7 MW-8, and New MW. Samples collected from the extraction wells and the two downgradient monitoring wells (MW-6, MW-5) contained individual VOCs above the AWQS. The sample from MW-6 contained chlorobenzene which is consistent with the previous samples from this well. The sample from EW-3 which is located approximately 150-ft upgradient of MW-6 also contained chlorobenzene above the AWQS as well as 1,4-dichlorobenzene and benzene slightly over the AWQS for those compounds.

The duplicate samples from MW-5 contained vinyl chloride, methylene chloride, cis-1,2-dichloroethene and xylene over the AWQS. The samples from the extraction wells EW-1 and EW-2 contained vinyl chloride and cis-1,2-dichloroethene above the AWQS. The sample from EW-2 also contained benzene over the AWQS. These extraction wells are located upgradient of MW-5. The greatest concentration of total VOCs was detected in the sample from EW-1; the only active extraction well during the event.

The PCB aroclor-1221 was detected above AWQS in the samples from MW-6, the three extraction wells, and EW-4. The detected concentration of aroclor-1221 ranges from 0.27-µg/L in the sample from EW-2 to 49 µg/L in the sample from EW-1. The result from MW-6 was consistent with the previous sampling results from this well.

Metals were detected above AWQS in all of the samples collected from the shallow sampling points except for the sample from the upgradient monitoring well MW-1.

Samples from MW-1 and MW-8 located upgradient of the landfill indicate that there are low background levels of metals in the groundwater. Iron was detected above AWQS in the sample from MW-8. Iron and sodium were detected above AWQS in the sample from MW-1 in previous sampling events, however these metals were not detected in the sample from this event.

Monitoring wells MW-2 and MW-7 are located cross-gradient at the toe of the landfill. Iron and manganese were detected above AWQS in samples from both of these wells. The sample from MW-2 also contained sodium above the AWQS. The results for these wells are consistent with the previous two sampling events.

Also confirming previous results was the sample from monitoring well New MW, which contained sodium and magnesium over the AWQS.

The samples from the extraction wells, groundwater collection trench sump, and the downgradient monitoring wells (MW-5, MW-6) all contained iron over the AWQS with results ranging from 20,100-µg/L (EW-4) to 123,000 µg/L (MW-6). Sodium was detected above AWQS in the samples from all of the extraction wells. Consistent with the previous two sampling events, sodium was detected below AWQS in the sample from MW-6. Manganese was detected above AWQS in the samples from EW-1, EW-2, EW-4, MW-5 and MW-6.

The metals results for MW-6 were consistent with the previous two sampling events. The samples from monitoring well MW-5 exceeded the AWQS for the widest range of metals including arsenic, barium, chromium, iron, lead, magnesium, manganese, and sodium. The range of metals detected in the MW-5 sample was likely caused by the high turbidity of the sample due to the compromised well condition.

3.3.2 Top of Clay Monitoring Wells

Two monitoring wells, MW-2A and MW-6A, are installed to the top of the clay unit. These wells are screened in the interbeded unit underlying the shallow delta sands.

Consistent with historical results VOCs were not detected in the sample from MW-2A. The sample from MW-6A contained chlorobenzene, 1, 3-dichlorobenzene, and 1, 2, 4-trichlorobenzene above the AWQS for these compounds. Over the past three sampling events the concentration of both 1, 3-dichlorobenzene and 1, 2, 4-trichlorobenzene has increased from non-detect to the current levels. Chlorobenzene levels have remained consistent.

PCBs were not detected in the samples from MW-2A or MW-6A. This is consistent with the past two sampling events.

Consistent with the previous two sampling events the sample from MW-2A contained iron, manganese, and sodium above the AWQS. The results were consistent for the sample collected from MW-6A including the exceedance of the AWQS or GV for iron, manganese, sodium, magnesium, and thallium.

3.3.3 Deep Wells

Monitoring wells MW-1A and MW-6B are double cased wells with short screens installed in the lacustrine clay which underlies the interbeded and delta sand units. MW-1A is located upgradient of the landfill and MW-6B is located downgradient of the landfill. Monitoring well MW-1D is an upgradient bedrock well installed into the shale underlying the lacustrine clay.

No VOCs were detected in the groundwater samples from MW-1A or MW-6B. This result is consistent with the previous two sampling events. The sample from the bedrock monitoring well contained methylene chloride above the AWQS and carbon disulfide. Methylene chloride is a common lab contaminant and was not detected in any other samples collected during this sampling event. There is no AWQS for carbon disulfide and this constituent was not detected in any other samples collected during this sampling event.

No PCBs were detected in the samples from the deep monitoring wells. This result is consistent with the historical results for these monitoring wells.

Metals were not detected above AWQS in the sample from MW-1A. Sodium and iron had been detected above AWQS in the sample from this well collected in the 2008 and 2007 sampling events; potassium had been detected above AWQS in the 2007 event. These metals were detected below AWQS in the sample from this event. The sample from MW-1D contained sodium over the AWQS. The sample from MW-6B contained cadmium, cobalt, iron, and sodium over the AWQS. Historically this well has contained elevated metals results including the exceedance of AWQS for 12 individual metals in the 2007 sample. The elevated values and the variability of the results for the MW-6B samples are likely caused by turbidity.

3.4 QA/QC SAMPLE RESULTS

The laboratory samples were collected in laboratory supplied containers and were delivered to Adirondack Environmental Services, Inc. under chain of custody. One pre-sealed trip blank was shipped with each cooler containing groundwater samples for VOC analysis. A total of four trip blanks were sent to the laboratory and VOCs were not detected in analysis.

Duplicate samples collected from MW-8 (Dup-1), MW-2 (Dup-2), and MW-5 (Dup-3). The duplicate results are included in **Table 3** beside their representative samples. The results for the duplicate samples for MW-8 and MW-2 were nearly identical to the original results. The results for the duplicate sample from MW-5 are outside of acceptable limits. The difference in the MW-5 duplicate sample result is likely due to the sampling procedure for this well in where the duplicate sample was collected after the well was allowed to recharge following the collection of the initial MW-5 sample.

4.0 CONCLUSIONS

The monitoring well network is in need of some repairs including the replacement of MW-5. The casing elevations of the monitoring network and the extraction wells should be surveyed. Evidence of frost heaving has been noted and several well casings have been cut to access them for sampling.

Neither VOCs nor PCBs have been detected above AWQS in upgradient or crossgradient wells at the Site. Dissolved metals were not detected above AWQS in two of the upgradient monitoring wells (MW-1 and 1A) during this sampling event. However, historical data suggests that there are background levels of dissolved metals above the AWQS in present in the groundwater upgradient and crossgradient of the landfill.

No VOCs or PCBs were detected in the samples collected from MW-1A and MW-6B which are screened in the clay underlying the shallow aquifer. These results indicate that the clay continues to be an effective barrier preventing the vertical migration of dissolved impacts.

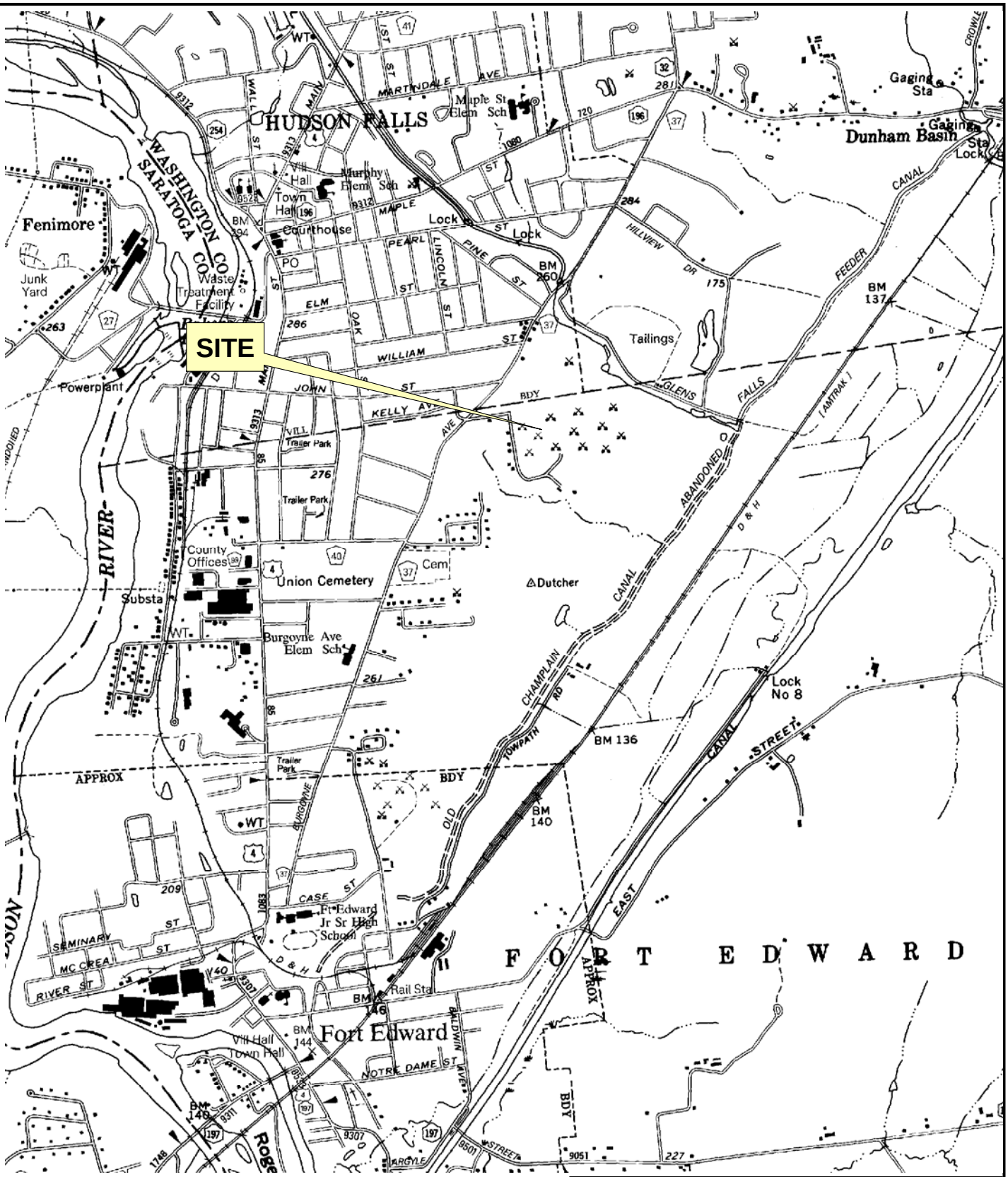
The sampling results from the MW-6 well cluster and extraction well EW-3 indicate that there are VOCs (chlorobenzenes) and PCBs may be migrating in groundwater from the northeast corner of the landfill toward the feeder canal. The concentrations of 1, 3-dichlorobenzene and 1, 2, 4-trichlorobenzene have been increasing in the samples collected from MW-6A over the past three sampling events. Furthermore, PCBs have been detected above AWQS in the samples from MW-6 collected in the past two sampling events. The downgradient extent of the groundwater impacts northeast of the landfill is unknown.

The sampling results from MW-5 and the extraction wells EW-1 and EW-2 indicate that there are chlorinated VOC and BTEX impacts above AWQS along the eastern edge of the landfill. The downgradient extent of these impacts is unknown.

The PCB aroclor 1221 is present in the groundwater underlying the landfill as detected in the three extraction wells and the groundwater collection trench sump. The samples collected from MW-6 the past two sampling events have contained aroclor 1221. Historically this constituent had not been detected in samples from downgradient monitoring wells.

All sampled monitoring wells, with the exception of the upgradient wells MW-1 and MW-1A, had AWQS exceedances for metals. The most commonly exceeded standard was for iron.

FIGURES



N

0 2,000

Approx. Scale in Feet

AECOM

MAP REFERENCE
STUDY AREA CAN BE FOUND ON NYSDOT QUADRANGLE HUDSON FALLS, NY.

FIGURE 1
SITE LOCATION MAP

FORT EDWARD LANDFILL
NYSDEC # 5-58-001

Town of Fort Edward Washington County

Project No. 99163	**Figure No. 1**

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BURGOYNE AVENUE

TOWN OF KINGSBURY
VILLAGE OF HUDSON FALLS

KINGSBURY LANDFILL

TOWN OF KINGSBURY
TOWN OF FORT EDWARD

GLENS FALLS
FEEDER CANAL

VILLAGE OF HUDSON FALLS
TOWN OF FORT EDWARD

MW-06A
MW-06B
MW-06
185.0

MW-07

EW-3

EW-2

MW-05

MW-08
232.5

LP-1

EW-1

LP-2

LEAVY HOLLOW ROAD
R.O.W.

EW-4

UNIDENTIFIED MW

NEW MONITORING WELL

MW-01D
MW-01A
MW-01

MW-02
184.4
MW-02A

UNIDENTIFIED MW

LEGEND

- EW-1 SAMPLED EXTRACTION WELL
- MW-02 SAMPLED MONITORING WELL
- 183.67 REPORTED GROUNDWATER ELEVATION
- MW-05 MONITORING WELL
- 240 TOPOGRAPHIC CONTOUR
- STREAM/DRAINAGE CHANNEL/POND
- APPROXIMATE GROUNDWATER FLOW DIRECTION

Map Reference:
Mapping shown based on a plan titled "Groundwater and Surface Water Monitoring Locations", Figure 2-1, by URS Consultants, Inc., including all references.

Monitoring wells labeled as "Unidentified MW" located by a Sub-meter GPS survey performed by Earth Tech, November 2007.

PLAN

250 0 125 250 500

(IN FEET)
1 inch = 250 ft.

AECOM

FIGURE 2
GROUNDWATER MONITORING LOCATIONS
AND GROUNDWATER FLOW
FORT EDWARD LANDFILL
NYSDEC SITE #5-58-001
Town of Fort Edward, Washington County

Date: September 2010 Project No.: 99163

\\USGRNS01\data\work\earth\Latham NY Work\Fort Edward Landfill\60135839_001 GW MW Locations.dwg, 9/29/2010 1:57:58 PM, splawnm

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BURGOYNE AVENUE

TOWN OF KINGSBURY
VILLAGE OF HUDSON FALLS

KINGSBURY LANDFILL

VILLAGE OF HUDSON FALLS
TOWN OF FORT EDWARD

TOWN OF KINGSBURY
TOWN OF FORT EDWARD

GLENS FALLS FEEDER CANAL

MW-06A	VOCs	PCBs
Jul-07	**8**	ND
Oct-08	**19**	ND
Mar-10	**44**	ND

MW-06B	VOCs	PCBs
Jul-07	ND	ND
Oct-08	ND	ND
Mar-10	ND	ND

MW-06A
MW-06B
MW-06

MW-06	VOCs	PCBs
Jul-07	**17**	ND
Oct-08	**23**	**0.43**
Mar-10	**25**	**0.72**

MW-07

MW-07	VOCs	PCBs
Jul-07	ND	ND
Oct-08	ND	ND
Mar-10	ND	ND

EW-3

EW-3	VOCs	PCBs
Mar-10	**53**	**2.7**

EW-2

EW-2	VOCs	PCBs
Mar-10	**141**	**0.27**

MW-08

MW-08	VOCs	PCBs
Jul-07	ND	ND
Oct-08	ND	ND
Mar-10	ND	ND

LP-1

MW-05

MW-05	VOCs	PCBs
Mar-10	**365**	ND

MW-01A	VOCs	PCBs
Jul-07	ND	ND
Oct-08	ND	ND
Mar-10	ND	ND

EW-1

EW-1	VOCs	PCBs
Mar-10	**890**	**49**

LP-2

MW-01	VOCs	PCBs
Jul-07	ND	ND
Oct-08	ND	ND
Mar-10	ND	ND

EW-4

EW-4	VOCs	PCBs
Mar-10	ND	**1.6**

UNIDENTIFIED MW

MW-01D
MW-01A
MW-01

MW-01D	VOCs	PCBs
Mar-10	**26**	ND

NEW MONITORING WELL

New MW	VOCs	PCBs
Jul-07	ND	ND
Oct-08	ND	ND
Mar-10	ND	ND

UNIDENTIFIED MW

MW-02
MW-02A

MW-02	VOCs	PCBs
Jul-07	ND	ND
Oct-08	ND	ND
Mar-10	ND	ND

MW-02A	VOCs	PCBs
Jul-07	ND	ND
Oct-08	ND	ND
Mar-10	ND	ND

LEGEND

- EW-1 SAMPLED EXTRACTION WELL
- MW-02 SAMPLED MONITORING WELL
- MW-05 MONITORING WELL
- 240 TOPOGRAPHIC CONTOUR
- STREAM/DRAINAGE CHANNEL/POND
- ND NOT DETECTED

Sample Location	Total VOCs	Total PCBs
Sample Date	**Result ug/l**	**Result ug/l**

Map Reference:
Mapping shown based on a plan titled "Groundwater and Surface Water Monitoring Locations", Figure 2-1, by URS Consultants, Inc., including all references.

Monitoring wells labeled as "Unidentified MW" located by a Sub-meter GPS survey performed by Earth Tech, November 2007.

PLAN

250 0 125 250 500

(IN FEET)
1 inch = 250 ft.

AECOM

FIGURE 3
DISSOLVED TOTAL VOCs AND TOTAL PCBs

FORT EDWARD LANDFILL
NYSDEC SITE #5-58-001
Town of Fort Edward, Washington County

Date: September 2010 Project No.: 99163

\\USGRNS01\data\work\earth\Latham NY Work\Fort Edward Landfill\60135839_002 Dissolved Total VOCs and Total PCBs.dwg, 9/29/2010 11:39:35 AM, splawnm

TABLES

Table 1
Well Details
Ft. Edward Landfill
Site No. 5-58-001

Well ID.	Completion Date	Boring Depth	Screen Interval (ft)	Screened Unit	Water Bearing Zone
MW-1	5/4/1995	47	38-48	Delta Sand	Water Table
MW-1A	5/8/1995	67	59-65*	Lacustrine Clay	Deep Clay
MW-1D	5/5/1995	174	149-169	Shale	Bedrock
MW-2	4/19/1995	15	4.5-14.5	Delta Sand	Water Table
MW-2A	4/18/1995	26	18-23	Interbedded Unit	Top of Clay Contact
MW-5	4/25/1995	17	5-15	Delta Sand	Water Table
MW-6	5/1/1995	15	4-14	Delta Sand	Water Table
MW-6A	4/26/1995	59	49-59	Interbedded Unit	Top of Clay Contact
MW-6B	4/28/1995	82	69-79*	Lacustrine Clay	Deep Clay
MW-7	4/25/1995	20	8-18	Delta Sand	Water Table
MW-8	4/25/1995	12	5-10	Delta Sand	Water Table
New MW	Unknown	Unknown	Unknown	Delta Sand**	Water Table
EW-1	5/21/1998	41	31-35	Delta Sand	Water Table
EW-2	5/19/1998	45	35-39	Delta Sand	Water Table
EW-3	5/20/1998	51	41-45	Delta Sand	Water Table

*****Double Cased Well

** Assumed based on measured depth

Table based on information contained in the Final Engineering Report, URS (Nov. 1995)

Table 2
Water Level Data
Fort Edward Landfill
Town of Fort Edward, New York
Site #5-58-001
March 2010

WELL ID	GROUND ELEVATION	TOP OF CASING ELEVATION	MEASURED WELL DEPTH	3/16/10 READINGS	
	(ft)	(ft)	(ft)	DEPTH TO WATER	GW ELEVATION
MW-1*	256.55	258.87	48.30	38.43	220.44
MW-1A	255.20	257.51	64.85	41.71	215.8
MW-1D	257.25	258.62	169.00	38.81	219.81
MW-2	190.50	192.59	18.00	8.17	184.42
MW-2A	190.60	192.40	26.56	9.93	182.47
MW-5**	183.51	NA	10.29	7.84	NA
MW-6	193.08	193.08	17.67	8.08	185
MW-6A	191.90	193.61	61.11	10.92	182.69
MW-6B	191.60	193.68	81.47	22.36	171.32
MW-7**	202.43	NA	27.46	18.31	NA
MW-8	240.24	240.24	12.56	7.70	232.54
New MW	NM	NM	21.97	6.96	NA
EW-1	NM	NM	31.11	27.06	NA
EW-2	NM	NM	41.34	19.97	NA
EW-3	NM	NM	49.98	27.52	NA
EW-4	NM	NM	22.00	16.47	NA
LP-1	NM	NM	43.42	DRY	NA
LP-2	NM	NM	48.14	DRY	NA
UMW-1	NM	NM	36.45	DRY	NA
UMW-4	NM	NM	7.51	7.45	NA

Notes:
EW - Extraction Well
LCS - Leachate Collection Sump
UMW - Unidentified Monitoring Well
NM - Not Measured
GW - Groundwater Elevation
LP-Landfill Peizometer
NA - Not Available
Top of casing elevations based on 1995 survey conducted by URS Corporation.
** Casings cut to allow sampling
* Casing appears to have been heaved

Table 3
Summary of 5-quarter Sampling Event Groundwater Analytical Results
Fort Edward Landfill
Town of Fort Edward, New York
Site No. 5-58-001
March 2010

		MW-1			MW-1A			MW-1D	MW-2			Dup-2	MW-2A			MW-5	Dup-3	MW-6		
Volatiles µg/L	**NYSAWQS***	**07/12/07**	**10/27/08**	**03/25/10**	**07/12/07**	**10/27/08**	**03/25/10**	**03/22/10**	**07/11/07**	**10/27/08**	**03/26/10**	**03/26/10**	**07/11/07**	**10/27/08**	**03/22/10**	**03/26/10**	**03/26/10**	**07/11/07**	**10/27/08**	**03/19/10**
Chlorobenzene	5	10 U	10 U	5 U	10 U	10 U	5 U	5 U	10 U	10 U	5 U	5 U	10 U	10 U	5 U	10 U	10 U	**17**	**23**	**25**
Chloroethane	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	20 U	10 U	10 U	10 U
1, 3 -Dichlorobenzene	3	10 U	10 U	5 U	10 U	10 U	5 U	5 U	10 U	10 U	5 U	5 U	10 U	10 U	5 U	10 U	10 U	10 U	10 U	5 U
1, 4 -Dichlorobenzene	3	10 U	10 U	5 U	10 U	10 U	5 U	5 U	10 U	10 U	5 U	5 U	10 U	10 U	5 U	10 U	10 U	10 U	10 U	5 U
1, 2, 4 -Trichlorobenzene	5	10 U	10 U	5 U	10 U	10 U	5 U	5 U	10 U	10 U	5 U	5 U	10 U	10 U	5 U	10 U	10 U	10 U	10 U	5 U
Vinyl Chloride	2	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	**240**	10 U	10 U	10 U
Methylene Chloride	5	10 U	10 U	5 U	10 U	10 U	5 U	**6.1**	10 U	10 U	5 U	5 U	10 U	10 U	5 U	10 U	**11**	10 U	10 U	5 U
Carbon Disulfide	NS	10 U	10 U	5 U	10 U	10 U	5 U	**20**	10 U	10 U	5 U	5 U	10 U	10 U	5 U	10 U	10 U	10 U	10 U	5 U
cis-1,2-Dichloroethene	5	10 U	10 U	5 U	10 U	10 U	5 U	5 U	10 U	10 U	5 U	5 U	10 U	10 U	5 U	10 U	**70**	10 U	10 U	5 U
Benzene	1	10 U	10 U	5 U	10 U	10 U	5 U	5 U	10 U	10 U	5 U	5 U	10 U	10 U	5 U	10 U	10 U	10 U	10 U	5 U
m,p-Xylene	5	10 U	10 U	5 U	10 U	10 U	5 U	5 U	10 U	10 U	5 U	5 U	10 U	10 U	5 U	**44**	**41**	10 U	10 U	5 U
PCB Organics µg/L																				
Aroclor-1221	0.09	1.0 U	0.065 U	0.065 U	1.0 U	0.065 U	0.065 U	0.065 U	1.0 U	0.065 U	0.065 U	0.065 U	1.0 U	0.065 U	0.065 U	0.068 U	0.068 U	1.0 U	**0.43**	**0.72**
Metals µg/L																				
Aluminum	NS	**8,350**	**169 B**	100 U	**11,100**	**996**	**210**	100 U	**530**	7.4 U	100 U	100 U	**4,810**	**26.9 B**	100 U	**54,300**	**32,700**	**545**	**31.4 B**	100 U
Antimony	3	3.4 U	**4.5 B**	60 U	3.4 U	2.2 U	60 U	60 U	3.4 U	2.2 U	60 U	60 U	3.4 U	2.2 U	60 U	60 U	60 U	3.4 U	2.2 U	60 U
Arsenic	25	4.9 U	**2.4 B**	5 U	**18.6**	**12.1**	5 U	5 U	4.9 U	1.6 U	5 U	5 U	4.9 U	1.6 U	5 U	**31**	**19**	**10.9**	**17.5**	5 U
Barium	1000	**86.2 B**	**26.4 B**	**24**	**123 B**	**29.6 B**	**10**	**428**	**27.8 B**	**24.3 B**	**21**	**21**	**117 B**	**73.2 B**	**54**	**1,020**	**824**	**51.6 B**	**53.2 B**	**28**
Beryllium	3	**0.60 B**	**0.056 B**	5 U	**0.58 B**	**0.11 B**	5 U	5 U	0.10 U	0.030 U	5 U	5 U	**0.25 B**	0.030 U	5 U	5 U	5 U	0.10 U	**0.036 B**	5 U
Cadmium	5	**0.24 B**	**0.33 B**	5 U	0.20 U	**0.59 B**	5 U	5 U	**15.3**	**0.43 B**	5 U	5 U	0.20 U	**0.080 B**	5 U	5 U	5 U	**0.70 B**	**0.73 B**	5 U
Calcium	NS	**43,600**	**53,200**	**44,700**	**32,300**	**22,400**	**11,700**	**4,870**	**63,100**	**81,900**	**89,100**	**91,100**	**42,800**	**42,600**	**38,800**	**153,000**	**150**	**67,800**	**76,100**	**72,200**
Chromium	50	**9.0 B**	**1.2 B**	5 U	**13.4**	**1.4**	5 U	5 U	**0.69 B**	0.35 U	5 U	5 U	**6.2 B**	0.35 U	5 U	**77**	**34**	0.30 U	0.35 U	5 U
Cobalt	NS	**7.6 B**	**1.5 B**	50 U	**6.6 B**	**2.1 B**	50 U	50 U	**2.3 B**	**0.59 B**	50 U	50 U	**3.1 B**	0.20 U	50 U	**56**	50 U	**32.4 B**	**24.8 B**	50 U
Copper	200	**9.0 B**	**13.1 B**	51 U	**14.1 B**	**11.6 B**	5 U	**10**	**618**	**24.2 B**	**12**	**7**	**5.5 B**	**4.3 B**	5 U	**35**	**10**	0.50 U	**2.4 B**	5 U
Iron	300	**20,100**	**1,170**	52 U	**11,500**	**1,630**	**239**	**185**	**9,860**	**5,320**	**2,170**	**1,820**	**15,200**	**11,200**	**8,190**	**142,000**	**116,000**	**135,000**	**120,000**	**123,000**
Lead	25	**3.8**	**0.81 B**	53 U	**8.0**	**1.3 B**	5 U	5 U	**1.3 B**	0.40 U	5 U	5 U	**2.6 B**	0.40 U	5 U	**27**	**32**	**2.3 B**	0.40 U	5 U
Magnesium	35,000 (GV)	**11,200**	**12,000**	54 U	**6,340**	**2,580 B**	**1,220**	**2,280**	**11,300**	**14,700**	**13,200**	**13,500**	**17,400**	**15,900**	**13,000**	**67,000**	**63,700**	**17,200**	**16,500**	**13,200**
Manganese	300	**516**	**50.5**	55 U	**267**	**123**	**26**	20 U	**423**	**684**	**630**	**659**	**459**	**319**	**305**	**1,780**	**1,940**	**4,360**	**2,610**	**2,450**
Nickel	100	**12.4 B**	**1.7 B**	56 U	**14.2 B**	**3.5 B**	20 U	20 U	**5.4 B**	**1.7 B**	20 U	20 U	**7.0 B**	**0.72 B**	20 U	**84**	**55**	**5.6 B**	**3.1 B**	20 U
Potassium	NS	**2,320 B**	**1,430 B**	57 U	**3,320 B**	**910 B**	**642**	**3,290**	**2,420 B**	**2,510 B**	**1,580**	**1,610**	**2,800 B**	**1,850 B**	**1,360**	**36,200**	**32,100**	**5,800**	**6,950**	**5,260**
Selenium	10	**10.3**	2.6 U	58 U	**11.2**	2.6 U	5 U	5 U	**12.4**	2.6 U	5 U	5 U	**11.8**	2.6 U	5 U	5 U	5 U	**29.8**	**3.4 B**	5 U
Silver	50	0.90 U	0.35 U	59 U	0.90 U	0.35 U	10 U	10 U	**6.1 B**	0.35 U	10 U	10 U	**2.1 B**	0.35 U	10 U	10 U	10 U	0.90 U	0.35 U	10 U
Sodium	20,000	**54,900**	**44,100**	60 U	**25,600**	**24,800**	**17,500**	**27,800**	**60,100**	**61,700**	**29,200**	**29,800**	**28,900**	**31,200**	**22,600**	**208,000**	**208,000**	**3,370 B**	**17,700**	**6,910**
Thallium	0.5 (GV)	**3.7 B**	2.1 U	61 U	2.9 U	2.1 U	10 U	10 U	**4.3 B**	2.1 U	10 U	10 U	2.9 U	2.1 U	10 U	10 U	10 U	**28.7**	2.1 U	10 U
Vanadium	NS	**23.4 B**	**2.0 B**	62 U	**57.0**	**10.4 B**	20 U	20 U	**20.5 B**	**5.8 B**	20 U	20 U	**8.4 B**	0.28 U	20 U	**115**	**66**	**0.80 B**	**1.6 B**	20 U
Zinc	5,000 (GV)	**56.7**	**63.2**	63 U	**52.4**	**36.9**	10 U	**18**	**103**	**26**	10 U	10 U	**36.3**	**18.9 B**	10 U	**260**	**161**	**22**	**18.4 B**	10 U

Notes:

B - Inorganics: The reported value was obtained from an instrument reading that was less than the sample quantitation limit (SQL).

Organics: The asscociated analyte was also detected in the method blank.

U - Compound not detected at or above the detection limit.

J - Estimated concentration less than the contract required detection limits.

* New York State Ambient Water Quality Standards (TOGs 1.1.1) GV - guidance value.

Duplicates replicate the sample located in the column to the left

Only detections are shown. Detected concentrations shown in **bold** font.

BOLD font in shaded cell indicates exceedances of AWQS+GV.

NA - not analyzed.

NS - no standard or Guidance Value

Table 3
Summary of 5-quarter Sampling Event Groundwater Analytical Results
Fort Edward Landfill
Town of Fort Edward, New York
Site No. 5-58-001
March 2010

		MW-6A			MW-6B			MW-7			MW-8			Dup-1	MW-NEW			EW-1	EW-2	EW-3	EW-4
Volatiles µg/L	**NYSAWQS***	**07/11/07**	**10/27/08**	**03/19/10**	**07/11/07**	**10/27/08**	**03/22/10**	**07/11/07**	**10/27/08**	**03/25/10**	**07/11/07**	**10/28/08**	**03/26/10**	**03/26/10**	**07/11/07**	**10/27/08**	**03/22/10**	**03/22/10**	**03/22/10**	**03/22/10**	**03/22/10**
Chlorobenzene	5	**6 J**	**5.2 J**	**6.4**	10 U	10 U	5 U	10 U	10 U	5 U	10 U	10 U	5 U	5 U	10 U	10 U	5 U	25 U	5 U	**41**	5 U
Chloroethane	5	**2 J**	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	50 U	10 U	10 U	10 U
1, 3 -Dichlorobenzene	3	10 U	**4.6 J**	**16**	10 U	10 U	5 U	10 U	10 U	5 U	10 U	10 U	5 U	5 U	10 U	10 U	5 U	25 U	5 U	5 U	5 U
1, 4 -Dichlorobenzene	3	10 U	**2.3 J**	5 U	10 U	10 U	5 U	10 U	10 U	5 U	10 U	10 U	5 U	5 U	10 U	10 U	5 U	25 U	5 U	**5.5**	5 U
1, 2, 4 -Trichlorobenzene	5	10 U	**7.2 J**	**22**	10 U	10 U	5 U	10 U	10 U	5 U	10 U	10 U	5 U	5 U	10 U	10 U	5 U	25 U	5 U	5 U	5 U
Vinyl Chloride	2	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	**380**	**41**	10 U	10 U
Methylene Chloride	5	10 U	10 U	5 U	10 U	10 U	5 U	10 U	10 U	5 U	10 U	10 U	5 U	5 U	10 U	10 U	5 U	25 U	5 U	5 U	5 U
Carbon Disulfide	NS	10 U	10 U	5 U	10 U	10 U	5 U	10 U	10 U	5 U	10 U	10 U	5 U	5 U	10 U	10 U	5 U	25 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	5	10 U	10 U	5 U	10 U	10 U	5 U	10 U	10 U	5 U	10 U	10 U	5 U	5 U	10 U	10 U	5 U	**510**	**93**	5 U	5 U
Benzene	1	10 U	10 U	5 U	10 U	10 U	5 U	10 U	10 U	5 U	10 U	10 U	5 U	5 U	10 U	10 U	5 U	25 U	**6.8**	**6.7**	5 U
m,p-Xylene	5	10 U	10 U	5 U	10 U	10 U	5 U	10 U	10 U	5 U	10 U	10 U	5 U	5 U	10 U	10 U	5 U	5 U	5 U	5U	5 U
PCB Organics µg/L																					
Aroclor-1221	0.09	1.0 U	0.065 U	0.065 U	1.0 U	0.065 U	0.065 U	1.0 U	0.065 U	0.065 U	1.0 U	0.065 U	0.065 U	0.065 U	1.0 U	0.065 U	0.066U	**49**	**0.27**	**2.7**	**1.6**
Metals µg/L																					
Aluminum	NS	**99.6 B**	7.4 U	100 U	**116,000**	**1,720**	**938**	**217**	**15.3 B**	**417**	**16,500**	**139 B**	**6,660**	**10,300**	**800**	7.4 U	100 U	100 U	100 U	100 U	100 U
Antimony	3	3.4 U	2.2 U	60 U	3.4 U	**3.6 B**	60 U	3.4 U	2.2 U	60 U	3.4 U	2.2 U	60 U	60 U	**5.2 B**	2.2 U	60 U	60 U	60 U	60 U	60 U
Arsenic	25	**16.3**	**17**	**10**	**30.3**	**10 B**	5 U	4.9 U	**7.0 B**	5 U	**7.2 B**	**3.5 B**	5 U	5 U	4.9 U	1.6 U	5 U	5 U	**33**	5 U	5 U
Barium	1000	**224**	**184 B**	**162**	**965**	**54.8 B**	**17**	**34.5 B**	**22.3 B**	**26**	**147 B**	**22.2 B**	**71**	**101**	**69.8 B**	**62.1 B**	**53**	**416**	**448**	**403**	**49**
Beryllium	3	0.10 U	0.030 U	5 U	**6.3**	**0.26 B**	5 U	0.10 U	**0.034 B**	5 U	**0.92 B**	**0.065 B**	5 U	5 U	0.10 U	0.030 U	5 U	5 U	5 U	5 U	5 U
Cadmium	5	**0.69 B**	**0.17 B**	5 U	**679**	**39.3**	**14**	**1.4 B**	**0.90 B**	5 U	0.20 U	**0.36 B**	5 U	5 U	0.20 U	0.040 U	5 U	5 U	5 U	5 U	5 U
Calcium	NS	**115,000**	**106,000**	**103,000**	**326,000**	**31,800**	**8,800**	**76,000**	**56,900**	**70,500**	**55,400**	**50,500**	**52,000**	**54,600**	**74,300**	**76,200**	**71,700**	**144,000**	**116,000**	**91,300**	**81,900**
Chromium	50	0.30 U	0.35 U	5 U	**189**	**2.7 B**	**60**	0.30 U	0.35 U	5 U	**19.3**	**0.71 B**	**8**	**8**	**1.3 B**	**0.40 B**	5 U	5 U	5 U	5 U	5 U
Cobalt	NS	**12.5 B**	**5.8 B**	50 U	**85.3**	**4.3 B**	50 U	**138**	**21.7 B**	**109**	**9.5 B**	**0.40 B**	50 U	50 U	**1.4 B**	0.20 U	50 U	50 U	50 U	50 U	50 U
Copper	200	**11.8 B**	**3.5 B**	5 U	**182**	**21.8 B**	**13**	0.50 U	**1.7 B**	5 U	**10.7 B**	**8.1 B**	5 U	5 U	**2.5 B**	**4.4 B**	5 U	**132**	**7**	**8**	5 U
Iron	300	**33,100**	**27,400**	**23,400**	**157,000**	**3,160**	**2,380**	**217,000**	**143,000**	**119,000**	**19,900**	**250**	**8,490**	**12,800**	**1,590**	**213**	**140**	**53,700**	**43,200**	**32,000**	**20,100**
Lead	25	1.2 U	0.40 U	5 U	**64.3**	**3.0 B**	5 U	**4.3**	0.40 U	5 U	**8.4**	**1.1 B**	5 U	5 U	1.2 U	0.40 U	5 U	5 U	5 U	5 U	5 U
Magnesium	35,000 (GV)	**43,500**	**40,600**	**39,100**	**69,600**	**4,070 B**	**1,570**	**16,600**	**14,200**	**16,800**	**15,700**	**12,100**	**8,220**	**9,340**	**153,000**	**160,000**	**142,000**	**56,600**	**40,100**	**40,600**	**20,100**
Manganese	300	**2,620**	**2,320**	**1,930**	**3,820**	**280**	**46**	**12,600**	**7,800**	**7,160**	**267**	**71.5**	**265**	**272**	**66.3**	**30.7**	**23**	**688**	**378**	**162**	**2,070**
Nickel	100	**26.7 B**	**19.1 B**	**20**	**219**	**9.4 B**	**68**	**49.2**	**3.1 B**	20 U	**17.6 B**	**1.2 B**	20 U	20 U	**3.8 B**	**2.0 B**	20 U	20 U	20 U	20 U	20 U
Potassium	NS	**10,400**	**9,530**	**11,400**	**21,200**	**868 B**	**1,210**	**2,390 B**	**1,650 B**	**1,430**	**3,990 B**	**797 B**	**1,950**	**2,530**	**2,230 B**	**2,460 B**	**3,130**	**62,500**	**15,900**	**69,900**	**3,710**
Selenium	10	**10.2**	2.6 U	5 U	**14.9**	2.6 U	5 U	**34.2**	2.6 U	5 U	**11.5**	2.6 U	5 U	5 U	**10.2**	2.6 U	5 U	5 U	5 U	5 U	5 U
Silver	50	**4.4 B**	0.35 U	10 U	0.90 U	0.35 U	10 U	0.90 U	0.35 U	10 U	0.90 U	0.35 U	10 U	10 U	**8.6 B**	0.35 U	10 U	10 U	10 U	10 U	10 U
Sodium	20,000	**96,900**	**76,000**	**56,700**	**54,800**	**46,400**	**28,500**	**3,490 B**	**3,460 B**	**3,110**	**12,000**	**13,300**	**7,350**	**7,810**	**197,000**	**193,000**	**153,000**	**209,000**	**112,000**	**158,000**	**30,800**
Thallium	0.5 (GV)	**7.9 B**	2.1 U	**12**	**23.8**	2.1 U	10 U	**63.3**	**6.4 B**	10 U	2.9 U	2.1 U	10 U	10 U	2.9 U	2.1 U	10 U	10 U	10 U	10 U	10 U
Vanadium	NS	0.60 U	0.28 U	20 U	**206**	**4.8 B**	20 U	0.60 U	0.28 U	20 U	**28.4 B**	**0.61 B**	20 U	20 U	**1.6 B**	0.28 U	20 U	20 U	20 U	20 U	20 U
Zinc	5,000 (GV)	**26.7**	**12.0 B**	10 U	**735**	**71.6**	**29**	**150**	**17.2 B**	**119**	**115**	**72.9**	**61**	**87**	**17.9 B**	**10.5 B**	10 U	**25**	10 U	**15**	10 U

Notes:

B - Inorganics: The reported value was obtained from an instrument reading that was less than the sample quantitation limit (SQL).

Organics: The asscociated analyte was also detected in the method blank.

U - Compound not detected at or above the detection limit.

J - Estimated concentration less than the contract required detection limits.

* New York State Ambient Water Quality Standards (TOGs 1.1.1) GV - guidance value.

Duplicates replicate the sample located in the column to the left

Only detections are shown. Detected concentrations shown in **bold** font.

BOLD font in shaded cell indicates exceedances of AWQS+GV.

NA - not analyzed.

NS - no standard or Guidance Value

Table 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS (1995-2010)
Fort Edward Landfill
Town of Fort Edward, New York
Site No. 5-58-001

		MW-1													MW-1A												
Volatiles (µg/L)	**NYSAWQS***	**5/16/95**	**8/9/1995**	**5/5/1999**	**10/21/99**	**05/03/00**	**10/10/00**	**05/08/02**	**09/09/03***	**03/03/04***	**08/18/04**	**07/12/07**	**10/27/08**	**03/25/10**	**5/17/95**	**8/9/95**	**5/5/99**	**10/21/99**	**5/2/00**	**10/11/00**	**5/8/02**	**09/09/03***	**03/03/04***	**8/18/04**	**07/12/07**	**10/27/08**	**03/25/10**
Acetone	50	**5 J**	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**2**	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
1,2 -Dichloroethene (Total)	5	ND	ND	ND	ND	ND	**11**	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
1, 3 -Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
1, 4 -Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Methylene Chloride	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	**2 JB**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	**4 JB**	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	**7**	**9**	**1 J**	ND	**3 J**	ND	ND	ND	NA	**1 J**	ND	ND	ND
Xylene (total)	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND	ND	**8 J**	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
1, 2, 4 -Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Total VOCs	-	**5**	ND	ND	ND	ND	**19**	ND	ND	NA	**2**	ND	ND	ND	**7**	**11**	**1**	ND	**3**	ND	ND	ND	NA	**5**	ND	ND	ND
PCBs (µg/L)																											
Aroclor-1221	0.09	NA	ND	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND
Aroclor-1242	0.09	NA	ND	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND
Metals (µg/L)																											
Aluminum	NS	**32,100**	**8,590 J**	**47.7 B**	**140**	**750**	**99 B**	**200 B**	NA	**640**	NA	**8,350**	**169 B**	ND	**815**	**548 J**	**951**	**1500**	**1,800**	**1,900**	**230**	NA	**300**	NA	**11,100**	**996**	ND
Antimony	3	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	4.5 B	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND
Arsenic	25	**8.4 J**	**3 B**	ND	ND	ND	ND	ND	NA	**1 J**	ND	ND	2.4 B	ND	**11.1**	**10.3**	**8.7**	ND	**11**	**ND**	ND	NA	ND	**8.5**	**18.6**	**12.1**	ND
Barium	1000	**277**	**105 B**	**32.1 B**	ND	ND	ND	ND	NA	**10 J**	**26**	**86.2 B**	**26.4 B**	**24**	**20.1 B**	**19.7 B**	**20.5**	ND	ND	ND	ND	NA	**20 J**	**21.9**	**123 B**	**29.6 B**	**428**
Beryllium	3	**1.4 B**	**0.56 B**	ND	ND	ND	ND	ND	NA	ND	NA	**0.60 B**	**0.056 B**	ND	**0.09 B**	**0.1 B**	ND	ND	ND	ND	ND	NA	ND	NA	**0.58 B**	**0.11 B**	ND
Cadmium	5	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	**0.24 B**	**0.33 B**	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	0.59 B	ND
Calcium	NS	**75,200**	**74,200**	**41,800**	**39,000**	**43,000**	**43,000**	**56,000**	NA	**23,000**	NA	**43,600**	**53,200**	**44,700**	**14,500**	**19,300**	**12,300**	**16,000**	**31,000**	**62,000**	**12,000**	NA	**50,000**	NA	**32,300**	**22,400**	**4,870**
Chromium	50	**30.9**	**9.5 B**	**2.3 B**	ND	ND	ND	ND	NA	**5 J**	**0.62**	**9.0 B**	**1.2 B**	ND	**1.6 B**	ND	**3 B**	ND	ND	ND	ND	NA	**4 J**	**5.1**	**13.4**	**1.4**	ND
Cobalt	NS	**25.5 B**	**7.5 B**	ND	ND	ND	ND	ND	NA	**0.8 J**	NA	**7.6 B**	**1.5 B**	ND	ND	ND	ND	ND	ND	ND	ND	NA	**1 J**	NA	**6.6 B**	**2.1 B**	ND
Copper	200	**35**	**16.9 B**	**25.6 B**	ND	ND	ND	ND	NA	**2 J**	NA	**9.0 B**	**13.1 B**	ND	**3.7 B**	**2.7 B**	**24.8 B**	ND	ND	ND	ND	NA	**3 J**	NA	**14.1 B**	**11.6 B**	**10**
Cyanide	200	ND	NA	**2 B**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	**45,400**	**13,000**	**498**	**1,100**	**2,200**	**1,100**	**1,600**	NA	**1,100**	NA	**20,100**	**1,170**	ND	**827**	**331**	**750**	**2,100**	**2,600**	**2,800**	**410**	NA	**1,100**	NA	**11,500**	**1,630**	**185**
Lead	25	**10**	**2.8 B**	ND	ND	ND	ND	ND	NA	**0.7 J**	ND	**3.8**	**0.81 B**	ND	ND	ND	ND	ND	ND	**4.4**	ND	NA	**0.4 J**	ND	**8.0**	**1.3 B**	ND
Magnesium	35,000 (GV)	**22,900**	**18,000**	**9,740**	**8,200**	**11,000**	**9,800**	**12,000**	NA	**1,800**	NA	**11,200**	**12,000**	ND	**1,420 B**	**919 B**	**1,510**	**2,200**	**2700 B**	**3500 B**	**1400 B**	NA	**10,000**	NA	**6,340**	**2,580 B**	**2,280**
Manganese	300	**798**	**256**	**54.3**	**61**	**74**	**130**	**50**	NA	**0.3 J**	NA	**516**	**50.5**	ND	**18.5**	**8 B**	**21.4**	**76**	**91**	**230**	**13 B**	NA	**42**	NA	**267**	**123**	ND
Nickel	100	**31.6 B**	**11.5 B**	ND	ND	ND	ND	ND	NA	**2 J**	NA	**12.4 B**	**1.7 B**	ND	**2 B**	**1.8 B**	ND	ND	ND	ND	ND	NA	**4 J**	NA	**14.2 B**	**3.5 B**	ND
Potassium	NS	**8,870**	**3,630 B**	**1,360**	ND	ND	ND	ND	NA	**780**	NA	**2,320 B**	**1,430 B**	ND	**2,710 B**	**4,110 B**	**1250**	ND	ND	ND	ND	NA	**1200**	NA	**3,320 B**	**910 B**	**3,290**
Selenium	10	ND	ND	ND	ND	ND	ND	ND	NA	**2.5**	ND	**10.3**	**ND**	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	**11.2**	**ND**	ND
Silver	50	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND
Sodium	20,000	**46,300 J**	**40,200**	**36,300**	**36,000**	**38,000**	**40,000**	**32,000**	NA	**26,000**	NA	**54,900**	**44,100**	**60 U**	**22,900 J**	**23,200**	**19,100**	**20,000**	**24,000**	**22,000**	**22,000**	NA	**48,000**	NA	**25,600**	**24,800**	**27,800**
Thallium	0.5 (GV)	ND	ND	**3.3**	ND	ND	ND	ND	NA	**0.2 J**	NA	**3.7 B**	**ND**	ND	ND	ND	**4.4**	ND	ND	ND	ND	NA	**0.9 J**	NA	ND	ND	ND
Vanadium	NS	**60**	**19.1 B**	**3.1**	ND	ND	ND	ND	NA	**0.9 J**	NA	**23.4 B**	**2.0 B**	ND	**7 B**	**3.4 B**	**25.7**	ND	ND	ND	ND	NA	**0.6 J**	NA	**57.0**	**10.4 B**	ND
Zinc	5,000 (GV)	**138 J**	**53 J**	**9.9**	**21**	ND	ND	**140**	NA	**10**	NA	**56.7**	**63.2**	ND	**18.2 BJ**	**6.5 BJ**	**7.1**	**11**	**11 B**	**15 B**	ND	NA	**100**	NA	**52.4**	**36.9**	**18**

Notes:

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ND - Compound not detected at or above the detection limit.

J - Estimated concentration less than the contract required detection limits.

D - Analysis performed on a diluted sample

E - indicates an estimated concentration due to the presence of interferences, as determined by serial dilution analysis

* New York State Ambient Water Quality Standards (TOGs 1.1.1) GV - guidance value.

BOLD font in shaded cell indicates exceedances of AWQS+GV.

NA - Not Analyzed

NS - No Standard or Guidance Value

*Exact sample date is unknown. Sample date may have been May 2003, 09/09/03 or 03/03/04.

Table 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS (1995-2010)
Fort Edward Landfill
Town of Fort Edward, New York
Site No. 5-58-001

		MW-2													MW-2A												
Volatiles (µg/L)	**NYSAWQS***	**05/11/95**	**08/08/95**	**05/05/99**	**10/21/99**	**05/03/00**	**10/10/00**	**05/08/02**	**09/09/03***	**03/03/04***	**08/18/04**	**07/11/07**	**10/27/08**	**03/26/10**	**05/11/95**	**08/09/95**	**05/05/99**	**10/21/99**	**05/03/00**	**10/10/00**	**05/08/02**	**09/09/03***	**03/03/04***	**08/18/04**	**07/11/07**	**10/27/08**	**03/22/10**
Acetone	50	**3**	**3**	**8**	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	**4**	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Benzene	1	**1**	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Chloroethane	5	**4**	**3**	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
1,2 -Dichloroethene (Total)	5	**1**	**2**	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
1, 3 -Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
1, 4 -Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Methylene Chloride	5	ND	ND	**2**	ND	ND	ND	ND	ND	NA	**5 JB**	ND	ND	ND	ND	ND	**2**	ND	ND	ND	ND	ND	NA	**4 JB**	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Xylene (total)	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
1, 2, 4 -Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Total VOCs	-	**9**	**8**	**10**	ND	ND	ND	ND	ND	NA	**5**	ND	ND	ND	ND	ND	**6**	ND	ND	ND	ND	ND	NA	**4**	ND	ND	ND
PCBs (µg/L)																											
Aroclor-1221	0.09	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND
Aroclor-1242	0.09	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND
Metals (µg/L)																											
Aluminum	NS	**565**	**862**	**329**	**320**	**370**	ND	**93 B**	NA	**74**	NA	**530**	ND	ND	**116**	**76.1 B**	**264**	**430**	**1,000**	**310**	**550**	NA	**230**	NA	**4,810**	**26.9 B**	ND
Antimony	3	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND
Arsenic	25	ND	ND	ND	ND	ND	ND	ND	NA	**2 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND
Barium	1000	**61.3 B**	**81.6 B**	**74.7**	ND	ND	ND	ND	NA	**20 J**	**26.8**	**27.8 B**	**24.3 B**	**21**	**61.5 B**	**68.7 B**	**92.4**	ND	ND	ND	ND	NA	**80 J**	**78.3**	**117 B**	**73.2 B**	**54**
Beryllium	3	**0.09 B**	**0.11 B**	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	**0.25 B**	ND	ND
Cadmium	5	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	**15.3**	**0.43 B**	ND	**0.46 B**	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	**0.080 B**	ND
Calcium	NS	**194,000**	**227,000**	**103,000**	**120,000**	**78,000**	**79,000**	**76,000**	NA	**86,000**	NA	**63,100**	**81,900**	**89,100**	**52,600**	**63,400**	**61,200**	**67,000**	**58,000**	**52,000**	**52,000**	NA	**54,000**	NA	**42,800**	**42,600**	**38,800**
Chromium	50	**1.8 B**	**11.2**	**4.2**	ND	ND	ND	ND	NA	**0.6 J**	ND	**0.69 B**	ND	ND	ND	ND	**3.1**	ND	ND	ND	ND	NA	**0.8 J**	ND	**6.2 B**	ND	ND
Cobalt	NS	**15.4 B**	**13.8 B**	**8**	ND	ND	ND	ND	NA	**1 J**	NA	**2.3 B**	**0.59 B**	ND	**1.4 B**	ND	ND	ND	ND	ND	ND	NA	**0.5 J**	NA	**3.1 B**	ND	ND
Copper	200	**4.7 B**	**10.9 B**	**30.6**	ND	**71**	ND	ND	NA	**3 J**	NA	**618**	**24.2 B**	**12**	**2 B**	**5.1 B**	**23.9**	ND	ND	ND	ND	NA	ND	NA	**5.5 B**	**4.3 B**	ND
Cyanide	200	ND	NA	**1.5**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**2.3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	**1,270**	**8,030**	**7,620**	**2,900**	**15,000**	**1,100**	**5,800**	NA	**5,200**	NA	**9,860**	**5,320**	**2,170**	**4,620**	**4,890**	**4,380**	**8,600**	**13,000**	**7,500**	**9,300**	NA	**6,800**	NA	**15,200**	**11,200**	**8,190**
Lead	25	ND	ND	**6.3**	ND	ND	ND	ND	NA	**2 J**	ND	**1.3 B**	ND	ND	ND	ND	**3**	ND	ND	ND	ND	NA	ND	ND	**2.6 B**	ND	ND
Magnesium	35,000 (GV)	**62,300**	**71,400**	**31,800**	**31,000**	**25,000**	**20,000**	**19,000**	NA	**19,000**	NA	**11,300**	**14,700**	**13,200**	**16,900**	**21,500**	**22,300**	**24,000**	**24,000**	**20,000**	**19,000**	NA	**20,000**	NA	**17,400**	**15,900**	**13,000**
Manganese	300	**1,350**	**2,320**	**1,940**	**1,300**	**500**	**350**	**400**	NA	**130**	NA	**423**	**684**	**630**	**414**	**492**	**505**	**430**	**700**	**400**	**400**	NA	**310**	NA	**459**	**319**	**305**
Nickel	100	**11.8 B**	**18.2 B**	**9.2**	ND	ND	ND	ND	NA	**2 J**	NA	**5.4 B**	**1.7 B**	ND	**1.9 B**	**1.8 B**	ND	ND	ND	ND	ND	NA	**0.5 J**	NA	**7.0 B**	**0.72 B**	ND
Potassium	NS	**4,420 BJ**	**4,720 B**	**3,120**	**3,400**	ND	ND	ND	NA	**2,800**	NA	**2,420 B**	**2,510 B**	**1,580**	**1,310 BJ**	**1,790 B**	**2,090**	**2,400**	ND	ND	ND	NA	**2,400**	NA	**2,800 B**	**1,850 B**	**1,360**
Selenium	10	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	**12.4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	**11.8**	ND	ND
Silver	50	**1.8 B**	ND	**6.2**	ND	ND	ND	ND	NA	ND	ND	**6.1 B**	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	**2.1 B**	ND	ND
Sodium	20,000	**76,100 B**	**106,000**	**37,700**	**51,000**	**28,000**	**28,000**	**29,000**	NA	**29,000**	NA	**60,100**	**61,700**	**29,200**	**18,700 J**	**27,000**	**23,000**	**26,000**	**28,000**	**27,000**	**27,000**	NA	**36,000**	NA	**28,900**	**31,200**	**22,600**
Thallium	0.5 (GV)	ND	ND	4.8	ND	ND	ND	ND	NA	**0.4 J**	NA	**4.3 B**	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	**0.9 J**	NA	ND	ND	ND
Vanadium	NS	**3.9 B**	**5.4 B**	**6.6**	ND	**20 B**	ND	ND	NA	**2 J**	NA	**20.5 B**	**5.8 B**	ND	**1.3 B**	**1.2 B**	ND	ND	ND	ND	ND	NA	**0.7 J**	NA	**8.4 B**	ND	ND
Zinc	5,000 (GV)	**18.6 BJ**	**24.7**	**15.5**	ND	ND	ND	ND	NA	**15**	NA	**103**	**26**	ND	**4.4 BJ**	**13.2 BJ**	**23.8**	**10**	ND	ND	ND	NA	ND	NA	**36.3**	**18.9 B**	ND

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Table 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS (1995-2010)
Fort Edward Landfill
Town of Fort Edward, New York
Site No. 5-58-001

		MW-5								MW-6												
Volatiles (µg/L)	**NYSAWQS***	**05/05/95**	**08/08/95**	**05/02/00**	**10/10/00**	**09/09/03***	**03/03/04***	**08/18/04**	**3/26/10****	**05/15/95**	**08/09/95**	**05/05/99**	**10/21/99**	**05/02/00**	**10/10/00**	**05/08/02**	**09/09/03***	**03/03/04***	**08/18/04**	**07/11/07**	**10/27/08**	**03/19/10**
Acetone	50	ND	ND	**64**	ND	ND	NA	**13**	ND	**9 J**	**12**	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Benzene	1	ND	ND	**8 J**	**16**	**10**	NA	**8**	ND	**13**	**14**	**2**	**4**	ND	**4 J**	**6 J**	**3 J**	NA	**3 J**	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	**4 J**	ND	**2 J**	NA	**2 J**	ND	**24**	**29**	**24**	**34**	**36**	**52**	**54**	**34**	NA	**55**	**17**	**23**	**25**
Chloroethane	5	ND	ND	ND	ND	ND	NA	ND	ND	ND	**2**	**4**	ND	ND	ND	ND	ND	NA	**3 J**	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	**34**	**77**	ND	NA	**11**	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
1,2 -Dichloroethene (Total)	5	**3400**	**5000**	**19,063 D**	**25,000 ED**	**2,600 D**	NA	**1,900 D**	**70**	ND	ND	ND	ND	ND	**3 J**	ND	ND	NA	ND	ND	ND	ND
1, 3 -Dichlorobenzene	3	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
1, 4 -Dichlorobenzene	3	ND	ND	ND	ND	ND	NA	ND	ND	**5**	ND	**3**	**3**	**2 J**	**3 J**	ND	ND	NA	ND	ND	ND	ND
Ethylbenzene	5	**47**	**48 J**	**29**	**27**	**45**	NA	**24**	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Methylene Chloride	5	ND	ND	ND	**12**	ND	NA	**4 JB**	**11**	ND	ND	ND	ND	ND	ND	ND	ND	NA	**2 BJ**	ND	ND	ND
Toluene	5	**54**	ND	**37**	**44**	**34**	NA	**27**	ND	**3**	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Xylene (total)	5	**140**	**190 J**	**95**	**95**	**161**	NA	**120**	**44**	**68**	**40**	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Vinyl Chloride	2	**5,000**	**6,200**	**7,700 D**	**25,000 ED**	**8500 D**	NA	**2100 D**	**240**	**7**	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
1, 2, 4 -Trichlorobenzene	5	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Total VOCs	-	**8,641**	**11,438**	**27,034**	**50,271**	**11,352**	NA	**4,209**	**365**	**129**	**97**	**33**	**41**	**38**	**62**	**60**	**37**	NA	**63**	**17**	**23**	**25**
PCBs (µg/L)																						
Aroclor-1221	0.09	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	NA	NA	NA	NA	ND	ND	**0.43**	**0.72**
Aroclor-1242	0.09	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	NA	NA	NA	NA	**3.3**	ND	ND	ND
Metals (µg/L)																						
Aluminum	NS	**6,000**	**1870 J**	**5,200**	**630**	NA	**760**	NA	**54,300**	**2,020**	**9,120 J**	**261**	**420**	**210**	**110 B**	**260**	NA	**96**	NA	**545**	**31.4 B**	ND
Antimony	3	ND	ND	ND	ND	NA	ND	NA	60 U	ND	ND	ND	ND	ND	ND	ND	NA	**0.4 J**	NA	ND	ND	ND
Arsenic	25	**13.2**	**17.7**	**17**	ND	NA	**29**	**32**	**31**	**18.5**	**31**	**17.7**	**40**	**10**	**ND**	ND	NA	**16**	**29.6**	**10.9**	**17.5**	ND
Barium	1000	**262**	**188 B**	**350**	**400**	NA	**640**	**650**	**1,020**	**368**	**516**	**210**	**160**	ND	ND	ND	NA	**90 J**	**420**	**51.6 B**	**53.2 B**	**28**
Beryllium	3	**0.2 B**	**0.09 B**	ND	ND	NA	ND	NA	5 U	**0.06 B**	**0.29 B**	ND	ND	ND	ND	ND	NA	ND	NA	ND	**0.036 B**	ND
Cadmium	5	ND	**1.4 B**	ND	ND	NA	ND	ND	5 U	ND	**1.2 B**	**2.2**	**18**	ND	ND	ND	NA	ND	NA	**0.70 B**	**0.73 B**	ND
Calcium	NS	**150,000**	**145,000**	**230,000**	**170,000**	NA	**150,000**	NA	**153,000**	**103,000**	**117,000**	**111,000**	**80,000**	**110,000**	**100,000**	**110,000**	NA	**120,000**	NA	**67,800**	**76,100**	**72,200**
Chromium	50	**9 B**	**3.6 B**	ND	ND	NA	**3 J**	**2**	**77**	**5.1 B**	**45.3**	**1.7**	ND	ND	ND	ND	NA	**1 J**	ND	ND	ND	ND
Cobalt	NS	**25.3 B**	**24.9 B**	ND	ND	NA	**27**	NA	**56**	**26.4 B**	**37.6**	**22.8**	ND	ND	ND	ND	NA	**35**	NA	**32.4 B**	**24.8 B**	ND
Copper	200	**10.4 B**	**7.9 B**	ND	ND	NA	**4 J**	NA	**35**	**6.3 B**	**27.9**	ND	ND	ND	ND	ND	NA	**3 J**	NA	ND	**2.4 B**	ND
Cyanide	200	ND	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	**82,500**	**66,200**	**130,000**	**95,000**	NA	**95,000**	ND	**142,000**	**37,400**	**63,700**	**49,300**	**80,000**	**84,000**	**97,000**	**100,000**	NA	**130,000**	NA	**135,000**	**120,000**	**123,000**
Lead	25	ND	ND	**10**	**6.9**	NA	**1 J**	NA	**27**	**2.2**	**11.3**	**8.1**	ND	ND	**5.3**	ND	NA	**0.7 J**	NA	**2.3 B**	ND	ND
Magnesium	35,000 (GV)	**54,900**	**51,700**	**77,000**	**59,000**	NA	**63,000**	NA	**67,000**	**40,700**	**46,700**	**45,000**	**28,000**	**51,000**	**38,000**	**36,000**	NA	**36,000**	NA	**17,200**	**16,500**	**13,200**
Manganese	300	**2850**	**1880**	**3,500**	**2,400**	NA	**1,100**	NA	**1,780**	**651**	**499**	**1,930**	**2,300**	**2,300**	**5,400**	**2,400**	NA	**5,000**	NA	**4,360**	**2,610**	**2,450**
Nickel	100	**20.6 B**	**19.9**	ND	ND	NA	**32**	NA	**84**	**33.1 B**	**45.7**	**31**	ND	ND	ND	ND	NA	**6.9**	NA	**5.6 B**	**3.1 B**	ND
Potassium	NS	**6,850 B**	**4,940**	**12,000**	**29,000**	NA	**20,000**	NA	**36,200**	**66,300 J**	**65,200**	**26,900**	**23,000**	**27,000**	**21,000**	**20,000**	NA	**15,000**	NA	**5,800**	**6,950**	**5,260**
Selenium	10	ND	ND	ND	ND	NA	**3**	NA	5 U	ND	ND	ND	ND	ND	ND	ND	NA	**3**	NA	**29.8**	**3.4 B**	ND
Silver	50	ND	ND	ND	ND	NA	ND	NA	10 U	ND	ND	**8.3**	ND	ND	ND	ND	NA	**1.7**	NA	ND	ND	ND
Sodium	20,000	**110,000 J**	**137,000**	**230,000**	**230,000**	NA	**320,000**	NA	**208,000**	**199,000**	**283,000**	**71,100**	**100,000**	**84,000**	**37,000**	**36,000**	NA	**9,800**	NA	**3,370 B**	**17,700**	**6,910**
Thallium	0.5 (GV)	ND	ND	ND	ND	NA	**2 J**	NA	10 U	ND	ND	ND	ND	ND	ND	ND	NA	**0.8 J**	NA	**28.7**	ND	ND
Vanadium	NS	**17.8 B**	**9.5 B**	**49 B**	ND	NA	**7**	NA	**115**	**9.9 B**	**26.1 B**	**3.2**	**19**	**21 B**	ND	ND	NA	**1 J**	NA	**0.80 B**	**1.6 B**	ND
Zinc	5,000 (GV)	**101 J**	**34.4 J**	**24**	**81**	NA	**10**	NA	**260**	**55.1 J**	**65.4 J**	**8**	**16**	ND	ND	ND	NA	**11**	NA	**22**	**18.4 B**	ND

Notes:

B - Inorganics: The reported value was obtained from an instrument reading that was less than the sample quantitation limit (SQL).

B - Organics: The asscociated analyte was also detected in the method blank.

ND - Compound not detected at or above the detection limit.

J - Estimated concentration less than the contract required detection limits.

D - Analysis performed on a diluted sample

E - indicates an estimated concentration due to the presence of interferences, as determined by serial dilution analysis

* New York State Ambient Water Quality Standards (TOGs 1.1.1) GV - guidance value.

BOLD font in shaded cell indicates exceedances of AWQS+GV.

NA - Not Analyzed

NS - No Standard or Guidance Value

*Exact sample date is unknown. Sample date may have been May 2003, 09/09/03 or 03/03/04.

Table 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS (1995-2010)
Fort Edward Landfill
Town of Fort Edward, New York
Site No. 5-58-001

		MW-6A													MW-6B											
Volatiles (µg/L)	**NYSAWQS***	**05/15/95**	**08/09/95**	**05/05/99**	**10/21/99**	**05/02/00**	**10/10/00**	**05/08/02**	**09/09/03***	**03/03/04***	**08/18/04**	**07/11/07**	**10/27/08**	**03/19/10**	**05/17/95**	**08/09/95**	**05/05/99**	**10/21/99**	**05/02/00**	**05/08/02**	**09/09/03***	**03/03/04***	**08/18/04**	**07/11/07**	**10/27/08**	**03/22/10**
Acetone	50	ND	**4**	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	**5 J**	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Benzene	1	ND	ND	ND	**2**	ND	ND	ND	ND	NA	**1 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Bromodichloromethane	50	**6 J**	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	**1**	**10 J**	**11**	**9 J**	**11**	NA	**10**	**6 J**	**5.2 J**	**6.4**	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Chloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	**3 J**	**2 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Chloroform	7	**30**	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
1,2 -Dichloroethene (Total)	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
1, 3 -Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	**4.6 J**	**16**	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
1, 4 -Dichlorobenzene	3	ND	ND	ND	ND	**3 J**	**5 J**	ND	**5 J**	NA	ND	ND	**2.3 J**	**ND**	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Methylene Chloride	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	**3 JB**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	**4 BJ**	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	**30**	ND	**8**	ND	ND	ND	ND	NA	ND	ND	ND	ND
Xylene (total)	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
1, 2, 4 -Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	**7.2 J**	**22**	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Total VOCs	-	**36**	**4**	ND	**3**	**13**	**16**	**9**	**16**	NA	**17**	**8**	**19**	**44**	**35**	ND	**8**	ND	ND	ND	ND	NA	**4**	ND	ND	ND
PCBs (µg/L)																										
Aroclor-1221	0.09	ND	NA	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	NA	NA	NA	ND	ND	ND	ND
Aroclor-1242	0.09	ND	NA	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	NA	NA	NA	ND	ND	ND	ND
Metals (µg/L)																										
Aluminum	NS	**293**	**132**	**209**	**200**	ND	ND	ND	NA	**220**	NA	**99.6 B**	ND	ND	**8,330**	**19,800 J**	ND	**920**	**9,400**	**5,600**	NA	**26,000**	NA	**116,000**	**1,720**	**938**
Antimony	3	ND	ND	ND	ND	ND	ND	ND	NA	**7.1**	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	**1 J**	NA	ND	**3.6 B**	ND
Arsenic	25	ND	ND	ND	ND	**13**	ND	**21**	NA	**19**	**20**	**16.3**	**17**	**10**	**9.3 B**	**12.6**	**6**	ND	ND	ND	NA	**7**	**16.4**	**30.3**	**10 B**	ND
Barium	1000	**27.8 B**	**93.2**	**127**	**160**	**200**	**260**	**290**	NA	**320**	**291**	**224**	**184 B**	**162**	**86.5 B**	**204**	**491**	ND	ND	ND	NA	**250**	**233**	**965**	**54.8 B**	**17**
Beryllium	3	ND	ND	ND	ND	ND	ND	ND	NA	**0.3 J**	NA	ND	ND	ND	**0.36 B**	**0.98 B**	ND	ND	ND	ND	NA	**1**	NA	**6.3**	**0.26 B**	ND
Cadmium	5	**1.8 B**	**0.32**	ND	ND	ND	ND	ND	NA	ND	ND	**0.69 B**	**0.17 B**	ND	ND	ND	**83.4**	ND	**8**	ND	NA	**16**	**4.8**	**679**	**39.3**	**14**
Calcium	NS	**49,000**	**126,000**	**108,000**	**110,000**	**140,000**	**140,000**	**140,000**	NA	**150,000**	NA	**115,000**	**106,000**	**103,000**	**31,100**	**28,700**	**ND**	**9,800**	**91,000**	**58,000**	NA	**90,000**	NA	**326,000**	**31,800**	**8,800**
Chromium	50	**0.95 B**	ND	**0.96**	ND	ND	ND	ND	NA	**3 J**	ND	ND	ND	ND	**10.8**	**25.5**	**52.4**	ND	**17**	**12**	NA	**62**	**70.4**	**189**	**2.7 B**	**60**
Cobalt	NS	**1.1 B**	**4.9**	**5.5**	ND	ND	ND	ND	NA	**18**	NA	**12.5 B**	**5.8 B**	ND	**5.1 B**	**11.7 B**	**34**	ND	ND	ND	NA	**20**	NA	**85.3**	**4.3 B**	ND
Copper	200	**20.8 B**	**17.3**	**5.4**	ND	ND	ND	ND	NA	**8.2**	NA	**11.8 B**	**3.5 B**	ND	**11 B**	**31**	**115**	ND	**23 B**	ND	NA	**39**	NA	**182**	**21.8 B**	**13**
Cyanide	200	ND	NA	**2.3**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**1.9**	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	**404**	**428**	**388**	**2,600**	**35,000**	**35,000**	**49,000**	NA	**54,000**	NA	**33,100**	**27,400**	**23,400**	**8,130**	**19,900**	**49,000**	**1,200**	**17,000**	**9,100**	NA	**38,000**	NA	**157,000**	**3,160**	**2,380**
Lead	25	ND	ND	**12.5**	ND	ND	ND	ND	NA	**1 J**	ND	ND	ND	ND	**1.9 B**	**6.6**	**37**	ND	**7**	**7**	NA	**15**	**12.9**	**64.3**	**3.0 B**	ND
Magnesium	35,000 (GV)	**10,100**	**40,900**	**48,100**	**42,000**	**60,000**	**51,000**	**50,000**	NA	**54,000**	NA	**43,500**	**40,600**	**39,100**	**4,610 B**	**8,950**	**25,100**	**1,800**	**15,000**	**7,300**	NA	**18,000**	NA	**69,600**	**4,070 B**	**1,570**
Manganese	300	**214**	**4,910**	**2,410**	**3,200**	**5,200**	**5,900**	**4,100**	NA	**3,800**	NA	**2,620**	**2,320**	**1,930**	**213**	**419**	**1,600**	**60**	**640**	**420**	NA	**880**	NA	**3,820**	**280**	**46**
Nickel	100	**3.1 B**	**8.3**	**23.5**	ND	ND	ND	ND	NA	**33**	NA	**26.7 B**	**19.1 B**	**20**	**11 B**	**28.7 B**	**79.5**	ND	ND	ND	NA	**63**	NA	**219**	**9.4 B**	**68**
Potassium	NS	**2,940 BJ**	**2,830**	**3,740**	**6,200**	**11,000**	**11,000**	**12,000**	NA	**12,000**	NA	**10,400**	**9,530**	**11,400**	**3,590**	**7,230**	**8,350**	ND	ND	ND	NA	**5,000**	NA	**21,200**	**868 B**	**1,210**
Selenium	10	ND	ND	ND	ND	ND	ND	ND	NA	**4.9**	ND	**10.2**	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	**14.9**	ND	ND
Silver	50	ND	ND	**1.3**	ND	ND	ND	ND	NA	**1.2**	ND	**4.4 B**	ND	ND	ND	ND	**7.1**	ND	ND	ND	NA	**0.64**	ND	ND	ND	ND
Sodium	20,000	**31,700**	**36,600**	**90,300**	**87,000**	**130,000**	**120,000**	**120,000**	NA	**140,000**	NA	**96,900**	**76,000**	**56,700**	**44,600**	**44,700**	**42,700**	**39,000**	**47,000**	**45,000**	NA	**50,000**	NA	**54,800**	**46,400**	**28,500**
Thallium	0.5 (GV)	ND	ND	ND	ND	ND	ND	ND	NA	**2 J**	NA	**7.9 B**	ND	**12**	ND	ND	ND	ND	ND	ND	NA	**0.07 J**	NA	**23.8**	ND	ND
Vanadium	NS	**1.4 B**	**1.5**	ND	ND	ND	ND	ND	NA	**2 J**	NA	ND	ND	ND	**20.8 B**	**39.7 B**	ND	ND	**27 B**	ND	NA	**43**	NA	**206**	**4.8 B**	ND
Zinc	5,000 (GV)	**132 J**	**40.8**	**15.9**	**66**	ND	ND	ND	NA	**40**	NA	**26.7**	**12.0 B**	ND	**37.3 J**	**72.7 J**	**193**	**130**	**150**	**46**	NA	**200**	NA	**735**	**71.6**	**29**

Notes:

B - Inorganics: The reported value was obtained from an instrument reading that was less than the sample quantitation limit (SQL).

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ND - Compound not detected at or above the detection limit.

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BOLD font in shaded cell indicates exceedances of AWQS+GV.

NA - Not Analyzed

NS - No Standard or Guidance Value

*Exact sample date is unknown. Sample date may have been May 2003, 09/09/03 or 03/03/04.

Table 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS (1995-2010)
Fort Edward Landfill
Town of Fort Edward, New York
Site No. 5-58-001

		MW-7													MW-8										
Volatiles (µg/L)	**NYSAWQS***	**05/15/95**	**08/09/95**	**05/05/99**	**10/21/99**	**05/02/00**	**10/10/00**	**05/08/02**	**09/09/03***	**03/03/04***	**08/18/04**	**07/11/07**	**10/27/08**	**03/25/10**	**05/16/95**	**08/09/95**	**05/05/99**	**10/21/99**	**05/02/00**	**10/10/00**	**05/08/02**	**08/18/04**	**07/11/07**	**10/28/08**	**03/26/10**
Acetone	50	ND	ND	ND	ND	ND	ND	ND	ND	NA	**6 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2 J**	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5	**3 J**	ND	**5**	ND	ND	ND	ND	ND	NA	**2 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2 -Dichloroethene (Total)	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 3 -Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 4 -Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	**3 JB**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**4 JB**	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (total)	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1, 2, 4 -Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs	-	**3**	ND	**5**	ND	ND	ND	ND	ND	-	**11**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**6**	ND	ND	ND
PCBs (µg/L)																									
Aroclor-1221	0.09	ND	ND	NA	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND
Aroclor-1242	0.09	ND	ND	NA	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND
Metals (µg/L)																									
Aluminum	NS	**24,500**	**32,600 J**	**176**	**190**	**3,700**	ND	**1,000**	NA	**20 J**	NA	**217**	**15.3 B**	**417**	**185**	**355 J**	**841**	**430**	**820**	**190 B**	**1,300**	NA	**16,500**	**139 B**	**6,660**
Antimony	3	ND	ND	**1.9**	ND	ND	ND	ND	NA	ND	NA	ND	ND	60 U	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
Arsenic	25	ND	**7.4 B**	ND	ND	ND	ND	ND	NA	**2 J**	**5.7**	ND	**7.0 B**	5 U	ND	ND	ND	ND	ND	ND	ND	ND	**7.2 B**	**3.5 B**	ND
Barium	1000	**129 B**	**171 B**	**27.9**	ND	ND	ND	ND	NA	**60 J**	**56**	**34.5 B**	**22.3 B**	**26**	**41.7 B**	**38.9 B**	**28.1**	ND	ND	ND	ND	**32.1**	**147 B**	**22.2 B**	**71**
Beryllium	3	**0.8 B**	**1.2 B**	ND	ND	ND	ND	ND	NA	ND	NA	ND	**0.034 B**	5 U	ND	ND	ND	ND	ND	ND	ND	NA	**0.92 B**	**0.065 B**	ND
Cadmium	5	**0.21 B**	**0.66 B**	**0.45**	**24**	ND	ND	ND	NA	ND	ND	**1.4 B**	**0.90 B**	5 U	ND	ND	ND	ND	ND	ND	ND	**0.68**	ND	**0.36 B**	ND
Calcium	NS	**60,900**	**56,300**	**89,900**	**92,000**	**100,000**	**74,000**	**160,000**	NA	**140,000**	NA	**76,000**	**56,900**	**70,500**	**44,300**	**37,600**	**35,100**	**43,000**	**53,000**	**57,000**	**67,000**	NA	**55,400**	**50,500**	**52,000**
Chromium	50	**18.6**	**25.4**	**1.8**	ND	ND	ND	ND	NA	ND	ND	ND	ND	5 U	ND	ND	**2.4**	ND	ND	ND	ND	**2.7**	**19.3**	**0.71 B**	**8**
Cobalt	NS	**11.1 B**	**12.5 B**	**16.5**	ND	ND	ND	ND	NA	**26**	NA	**138**	**21.7 B**	**109**	ND	ND	ND	ND	ND	ND	ND	NA	**9.5 B**	**0.40 B**	ND
Copper	200	**16.7 B**	**29.5**	**1.4**	ND	ND	ND	ND	NA	ND	NA	ND	**1.7 B**	5 U	**1.7 B**	**7.3 B**	**24.3**	ND	ND	ND	ND	NA	**10.7 B**	**8.1 B**	ND
Cyanide	200	ND	NA	**3.1**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	**2.2**	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	**23,600**	**30,800**	**8,060**	**2,200**	**17,000**	**23,000**	**27,000**	NA	**240,000**	NA	**217,000**	**143,000**	**119,000**	**195**	**362**	**873**	**460**	**1,400**	**290**	**2,300**	NA	**19,900**	**250**	**8,490**
Lead	25	**7.4**	**13.4**	**10.6**	ND	ND	ND	**7.1**	NA	ND	**3.5**	**4.3**	ND	5 U	ND	ND	ND	ND	ND	ND	ND	ND	**8.4**	**1.1 B**	ND
Magnesium	35,000 (GV)	**16,400**	**17,800**	**26,000**	**24,000**	**32,000**	**19,000**	**39,000**	NA	**29,000**	NA	**16,600**	**14,200**	**16,800**	**7,090**	**6,390**	**8,410**	**8,800**	**13,000**	**13,000**	**14,000**	NA	**15,700**	**12,100**	**8,220**
Manganese	300	**1,080**	**1,000**	**4,040**	**4,900**	**15,000**	**17,000**	**38,000**	NA	**31,000**	NA	**12,600**	**7,800**	**7,160**	**191**	**178**	**382**	**130**	**74**	**150**	**73**	NA	**267**	**71.5**	**265**
Nickel	100	**16.8 B**	**20.9 B**	**11.8**	ND	ND	ND	ND	NA	**2 J**	NA	**49.2**	**3.1 B**	20 U	ND	ND	ND	ND	ND	ND	ND	NA	**17.6 B**	**1.2 B**	ND
Potassium	NS	**2,540 BJ**	**3,410 B**	**896**	ND	ND	ND	ND	NA	**5,100**	NA	**2,390 B**	**1,650 B**	**1,430**	**1,260 BJ**	**1,490 B**	**1,140**	ND	ND	ND	ND	NA	**3,990 B**	**797 B**	**1,950**
Selenium	10	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	**34.2**	ND	5 U	ND	ND	ND	ND	ND	ND	ND	ND	**11.5**	ND	ND
Silver	50	ND	ND	**4.8**	ND	ND	ND	ND	NA	ND	ND	ND	ND	10 U	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sodium	20,000	**4,830 BJ**	**4,650 B**	**6,260**	**8,400**	**8,900**	**7,300**	**12,000**	NA	**4,100**	NA	**3,490 B**	**3,460 B**	**3,110**	**8,600 J**	**7,320**	**7,360**	**8,500**	**9,600**	**8,700**	**10,000**	NA	**12,000**	**13,300**	**7,350**
Thallium	0.5 (GV)	ND	**5 B**	**5.5**	ND	ND	ND	ND	NA	ND	NA	**63.3**	**6.4 B**	10 U	ND	ND	**3.1**	ND	ND	ND	ND	NA	ND	ND	ND
Vanadium	NS	**34.6 B**	**49.1 B**	**2.8**	ND	**22 B**	ND	ND	NA	**2 J**	NA	ND	ND	20 U	**1.3 B**	**2.3 B**	**2.9**	ND	ND	ND	ND	NA	**28.4 B**	**0.61 B**	ND
Zinc	5,000 (GV)	**85.9 J**	**95.4 J**	**19.8**	**24**	ND	**43**	**31**	NA	**4 J**	NA	**150**	**17.2 B**	**119**	**14.1 BJ**	**10.2 BJ**	**23.1**	ND	ND	ND	**26**	NA	**115**	**72.9**	**61**

Notes:

B - Inorganics: The reported value was obtained from an instrument reading that was less than the sample quantitation limit (SQL).

B - Organics: The asscociated analyte was also detected in the method blank.

ND - Compound not detected at or above the detection limit.

J - Estimated concentration less than the contract required detection limits.

D - Analysis performed on a diluted sample

E - indicates an estimated concentration due to the presence of interferences, as determined by serial dilution analysis

* New York State Ambient Water Quality Standards (TOGs 1.1.1) GV - guidance value.

BOLD font in shaded cell indicates exceedances of AWQS+GV.

NA - Not Analyzed

NS - No Standard or Guidance Value

*Exact sample date is unknown. Sample date may have been May 2003, 09/09/03 or 03/03/04.

Table 4
HISTORICAL GROUNDWATER ANALYTICAL RESULTS (1995-2010)
Fort Edward Landfill
Town of Fort Edward, New York
Site No. 5-58-001

		MW-NEW											EW-1	EW-2	EW-3	EW-4
Volatiles (µg/L)	**NYSAWQS***	**5/5/1999**	**10/21/99**	**05/02/00**	**10/10/00**	**05/08/02**	**09/09/03***	**03/03/04***	**08/18/04**	**07/11/07**	**10/27/08**	**03/22/10**	**03/22/10**	**03/22/10**	**03/22/10**	**03/22/10**
Acetone	50	**6**	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**6.8**	**6.7**	ND
Bromodichloromethane	50	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	**41**	ND
Chloroethane	5	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
1,2 -Dichloroethene (Total)	5	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	**510**	**93**	ND	ND
1, 3 -Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
1, 4 -Dichlorobenzene	3	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	**5.5**	ND
Ethylbenzene	5	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5	**1 J**	ND	ND	ND	ND	ND	NA	**4 JB**	ND	ND	ND	ND	ND	ND	ND
Toluene	5	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Xylene (total)	5	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	2	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	**380**	**41**	ND	ND
1, 2, 4 -Trichlorobenzene	5	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs	-	**7**	ND	ND	ND	ND	ND		**4**	ND	ND	ND	**890**	**141**	**53**	ND
PCBs (µg/L)																
Aroclor-1221	0.09	NA	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	**49**	**0.27**	**2.7**	**1.6**
Aroclor-1242	0.09	NA	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
Metals (µg/L)																
Aluminum	NS	**896**	**630**	**1,300**	**300**	**240**	NA	**2,200**	NA	**800**	ND	ND	ND	ND	ND	ND
Antimony	3	ND	ND	ND	ND	ND	NA	ND	NA	**5.2 B**	ND	ND	ND	ND	ND	ND
Arsenic	25	ND	ND	ND	ND	ND	NA	**35**	ND	ND	ND	ND	ND	**33**	ND	ND
Barium	1000	**60 B**	ND	ND	ND	ND	NA	**110**	**62.4**	**69.8 B**	**62.1 B**	**53**	**416**	**448**	**403**	**49**
Beryllium	3	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND
Cadmium	5	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Calcium	NS	**64,000**	**64,000**	**63,000**	**67,000**	**69,000**	NA	**83,000**	NA	**74,300**	**76,200**	**71,700**	**144,000**	**116,000**	**91,300**	**81,900**
Chromium	50	**3.5 B**	ND	ND	ND	ND	NA	**14**	**0.67**	**1.3 B**	**0.40 B**	ND	ND	ND	ND	ND
Cobalt	NS	ND	ND	ND	ND	ND	NA	**2 J**	NA	**1.4 B**	ND	ND	ND	ND	ND	ND
Copper	200	**27.5 B**	ND	ND	ND	ND	NA	**6.4**	NA	**2.5 B**	**4.4 B**	ND	**132**	**7**	**8**	ND
Cyanide	200	**1.2 B**	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	300	**946**	**560**	**2,000**	**260**	**390**	NA	**5,300**	NA	**1,590**	**213**	**140**	**53,700**	**43,200**	**32,000**	**20,100**
Lead	25	**3.6**	ND	ND	ND	ND	NA	**13**	**3.3**	ND	ND	ND	ND	ND	ND	ND
Magnesium	35,000 (GV)	**128,000**	**110,000**	**140,000**	**130,000**	**150,000**	NA	**180,000**	NA	**153,000**	**160,000**	**142,000**	**56,600**	**40,100**	**40,600**	**20,100**
Manganese	300	**51.6**	**46**	**120**	**42**	**42**	NA	**82**	NA	**66.3**	**30.7**	**23**	**688**	**378**	**162**	**2,070**
Nickel	100	ND	ND	ND	ND	ND	NA	**6.3**	NA	**3.8 B**	**2.0 B**	ND	ND	ND	ND	ND
Potassium	NS	**3180**	**2,000**	ND	ND	ND	NA	**2,200**	NA	**2,230 B**	**2,460 B**	**3,130**	**62,500**	**15,900**	**69,900**	**3,710**
Selenium	10	ND	ND	ND	ND	ND	NA	ND	ND	**10.2**	ND	ND	ND	ND	ND	ND
Silver	50	ND	ND	ND	ND	ND	NA	ND	ND	**8.6 B**	ND	ND	ND	ND	ND	ND
Sodium	20,000	**196,000**	**170,000**	**200,000**	**200,000**	**210,000**	NA	**240,000**	NA	**197,000**	**193,000**	**153,000**	**209,000**	**112,000**	**158,000**	**30,800**
Thallium	0.5 (GV)	ND	ND	ND	ND	ND	NA	**2 J**	NA	ND	ND	ND	ND	ND	ND	ND
Vanadium	NS	ND	ND	**24 B**	ND	ND	NA	**13**	NA	**1.6 B**	ND	ND	ND	ND	ND	ND
Zinc	5,000 (GV)	**8.3 B**	ND	ND	ND	ND	NA	**18**	NA	**17.9 B**	**10.5 B**	ND	**25**	ND	**15**	ND

Notes:

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B - Organics: The asscociated analyte was also detected in the method blank.

ND - Compound not detected at or above the detection limit.

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* New York State Ambient Water Quality Standards (TOGs 1.1.1) GV - guidance value.

BOLD font in shaded cell indicates exceedances of AWQS+GV.

NA - Not Analyzed

NS - No Standard or Guidance Value

*Exact sample date is unknown. Sample date may have been May 2003, 09/09/03 or 03/03/04.

Appendix A

SITE NAME: Fort Edward Landfill

SITE ID.:
INSPECTOR: ES/FZ
DATE/TIME: 3/16/10 3:25
WELL ID.: MW-6

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or (Magellan) 18616308 E 4794451 N

	YES	NO
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: 6

	YES	NO
SURFACE SEAL PRESENT?		✓
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED: 0.0 mini Rae 2000
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 1'9½"
PROTECTIVE CASING MATERIAL TYPE: steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 4" square

	YES	NO
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?	✓	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 17.67
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 8.08
MEASURE WELL DIAMETER (Inches): ~~8.08~~ 2"
WELL CASING MATERIAL: ~~2"~~ PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: PVC ~~good~~
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: ~~good~~ clear
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES:

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
accessible by foot

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
field w/ some trees, near outer fence of landfill

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
Landfill, N/A

REMARKS:

Sketch

SITE NAME: Fort Edward Landfill

SITE ID.:
INSPECTOR: RS/FZ
DATE/TIME: 3/16/10 3:18
WELL ID.: MW-6A

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or (Magellan) 18 616311E 4799455N

	YES	NO
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: #6A

	YES	NO
SURFACE SEAL PRESENT?		✓
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED: mini RAE 2000 — 0.0
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable) — 1'8½"
PROTECTIVE CASING MATERIAL TYPE: — steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): — 4" square

	YES	NO
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?	✓	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 61.11
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 10.42
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: clear
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES:

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.): ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
accessible by foot

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
in shrubbery area w/ some trees

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
Landfill, N/A

REMARKS:

Sketch

SITE NAME: Ft. Edward

SITE ID.:
INSPECTOR: RS/SR
DATE/TIME: 3/25/10
WELL ID.: MW-07

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or ~~Magellan~~ 18616218E 4794362N

	YES	NO
WELL I.D. VISIBLE?		✓
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: not on casing

	YES	NO
SURFACE SEAL PRESENT?		✓
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED: MiniRae 2000

TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	~~steel~~ 3.5'
PROTECTIVE CASING MATERIAL TYPE:	steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	4" square

	YES	NO
LOCK PRESENT?		✓
LOCK FUNCTIONAL?		
DID YOU REPLACE THE LOCK?	✓	
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?		✓

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	27.46
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	18.31
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	silver paint
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	—

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

~~was~~ accessible by foot

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

field, near landfill fence, next to store drainage ditch

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

Landfill, N/A

REMARKS:

PVC is ~~at~~ crushed about 10" from surface to unknown depth 3/16 fixed 3/25/10

Sketch

SITE NAME: Fort Edward

SITE ID.:
INSPECTOR: NM
DATE/TIME: 3/16/10 @ 1455
WELL ID.: MW-01A

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X 0618915 NYTM Y 4794163
PDOP Reading from Trimble Pathfinder: _____ Satelites: _____
GPS Method (circle) Trimble And/Or (Magellan) Garmin

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: MW-01A

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		X
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: MiniRAE — 0.0ppm
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): Steel 38"
PROTECTIVE CASING MATERIAL TYPE: Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE? Mark top of casing Marked w/ Black		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 64.85
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 41.71
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: None
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: N/A

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
At entrance of site. West of collection ditch

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
top of hill, field

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
Landfill, NA

REMARKS:

Sketch

SITE NAME: Fort Edward Landfill

SITE ID.:
INSPECTOR:
DATE/TIME: 3/16/10 @1500
WELL ID.: MW-1

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X 615901 NYTM Y 4794162
PDOP Reading from Trimble Pathfinder: ____ Satelites: ____
GPS Method (circle) Trimble And/Or (Magellan) Garmin

	YES	NO
WELL I.D. VISIBLE?		X
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: N/A Marked w/white

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		X
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: 0.0 ppm
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): Steel 47"
PROTECTIVE CASING MATERIAL TYPE: Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): Square 4"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE? Cannot see point		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 48.30
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 38.43
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: N/A
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: N/A

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Along hill @ top near fence

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Field.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
Landfill, NA.

REMARKS:
Protective casing is ~ 2' higher than used to be. Looks like it worked out of the ground.

Sketch

SITE NAME: Fort Edward Landfill

SITE ID.:
INSPECTOR: RS/FZ
DATE/TIME: 3/16/10 8:30
WELL ID.: W-2

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or (Magellan) 18 G16318 E 4794582 N		
WELL I.D. VISIBLE?		✓
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:	—	
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc.. describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	
HEADSPACE READING (ppm) AND INSTRUMENT USED: cannot attach well to PID	—	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	= down manhole	
PROTECTIVE CASING MATERIAL TYPE:	=	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	—	
LOCK PRESENT?		✓
LOCK FUNCTIONAL?		
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?		✓
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	41.34	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	19.97	
MEASURE WELL DIAMETER (Inches):	6"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE		
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	—	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

manhole cover, well is set ~4 feet below surface w/ poor access

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

field, surrounded by gravel, landfill

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

Landfill, N/A

REMARKS:

Sketch

SITE NAME: Fort Edward Landfill

SITE ID.:
INSPECTOR: RS/FZ
DATE/TIME: ~~3/16/10~~ 3/16/10 3:21
WELL ID.: MW-6B

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan 18616310E 4794457N

	YES	NO
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: 6B

	YES	NO
SURFACE SEAL PRESENT?		✓
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 2.24
PROTECTIVE CASING MATERIAL TYPE: steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

	YES	NO
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?	✓	
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?	✓	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): [redacted] 81.47
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): [redacted] 22.36
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: clear
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
walking access, near fenceline of landfill

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
field

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
Landfill, N/A

REMARKS:
unable to open lock 3/16/10; lock replaced 3/17/10

Sketch

SITE NAME: Fort Edward Landfill

SITE ID.:
INSPECTOR: RS/FZ
DATE/TIME: 3/16/10 4:30
WELL ID.: New Monitoring well

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or (Magellan) 18616355E 4794148N

	YES	NO
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: New MW

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		✓
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below) raised seal & cracked		✓

HEADSPACE READING (ppm) AND INSTRUMENT USED: Mini Rae 2000 — 0.0
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable) — 2'6½"
PROTECTIVE CASING MATERIAL TYPE: — steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): — 4"

	YES	NO
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?		✓

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 21.97
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 6.96
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: clear
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES:

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
accessible through gate by foot, on outside of landfill perimeter fence

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
forested area

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
Landfill, N/A.

REMARKS:

Sketch

SITE NAME: Fort Edward Landfill

SITE ID.:
INSPECTOR: KS/FZ
DATE/TIME: 3/16/10 3:50
WELL ID.: Leachate Collection Sump

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or (Magellan) 18616342E 4794187N

	YES	NO
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: Extraction well #4

	YES	NO
SURFACE SEAL PRESENT?		
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)		

manhole cover

HEADSPACE READING (ppm) AND INSTRUMENT USED: miniRae 2000 — 0.0
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable) —
PROTECTIVE CASING MATERIAL TYPE: —
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): —

	YES	NO
LOCK PRESENT?		✓
LOCK FUNCTIONAL?		
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?		✓

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): ~22'
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 16.47
MEASURE WELL DIAMETER (Inches): 4 feet
WELL CASING MATERIAL: concrete tile
PHYSICAL CONDITION OF VISIBLE WELL CASING: good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE —
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES —

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
manhole cover, (aluminum)

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
field, surrounded by gravel w/in landfill

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
Landfill, N/A

REMARKS:

Sketch

SITE NAME: Fort Edward Landfill

SITE ID.:
INSPECTOR: RS/FZ
DATE/TIME: 3/16/10 4:14
WEll ID.: MW-02A

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or (Magellan) 18 0616104 E
4794136 N

	YES	NO
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: MW-02A

	YES	NO
SURFACE SEAL PRESENT?		✓
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED: MiniRae 2000	0.0
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	14"
PROTECTIVE CASING MATERIAL TYPE:	steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	4" square

	YES	NO
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?		✓

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	26.56
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	9.93
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	clear
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

along perimeter fencing, outside of landfill, accessible through gate

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

on slope leading to stream

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

Landfill, N/A

REMARKS:

Sketch

SITE NAME: Fort Edward Landfill

SITE ID.:
INSPECTOR: KS/FZ
DATE/TIME: 3/16/10 3:10
WELL ID.: W-3

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or (Magellan) 18 616272E 4794406N

	YES	NO
WELL I.D. VISIBLE?		✓
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: .....

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED: cannot get downtowell to PID
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): —
PROTECTIVE CASING MATERIAL TYPE: flaman hole
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): —

	YES	NO
LOCK PRESENT?		✓
LOCK FUNCTIONAL?		
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?		✓

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 49.98
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 27.52
MEASURE WELL DIAMETER (Inches): 6"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: broken at surface
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: none
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: —

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
man hole cover, well is set ~4' below surface w/ poor access

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
field, landfill

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
Landfill, N/A

REMARKS:

Sketch

SITE NAME: Fort Edward Landfill

SITE ID.:
INSPECTOR: RS/FG
DATE/TIME: 3/16/10 8:48
WELL ID.: MW-1

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or ~~Magellan~~ 18 616 319E 4794278N

	YES	NO
WELL I.D. VISIBLE?		✓
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: Extraction well 1

	YES	NO
SURFACE SEAL PRESENT?	✓	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	✓	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED: cannot access well to PID
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): – down – manhole
PROTECTIVE CASING MATERIAL TYPE: –
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): –

	YES	NO
LOCK PRESENT?		✓
LOCK FUNCTIONAL?		
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?	✓	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): ~~29.11~~ 31.11
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 27.06
MEASURE WELL DIAMETER (Inches): 6"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: –
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: –

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
manhole cover, set 2 feet below surface

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
field, surrounded by gravel in landfill

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
Landfill, N/A

REMARKS:

Sketch

SITE NAME: Fort Edward

SITE ID.:
INSPECTOR: [illegible]
DATE/TIME: 3/16/10 @ 1571
WELL ID.: MW-010

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X 615898 NYTM Y 4994162
PDOP Reading from Trimble Pathfinder: _____ Satelites: _____
GPS Method (circle) Trimble And/Or (Magellan)

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: MW-010

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		X
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: MiniRAE — 0.0 ppm
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): Steel — 13"
PROTECTIVE CASING MATERIAL TYPE: Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?	X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): >101'
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 38.81
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: N/A
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: N/A

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Top of hill @ site entrance along perimeter fence.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Field

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
Landfill, NA

REMARKS:

Sketch

SITE NAME: Fort Edward Landfill

SITE ID.:
INSPECTOR:
DATE/TIME: 3/16/10 @ 1535
WELL ID.: MW8

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	
WELL COORDINATES? NYTM X 615888 NYTM Y 4794328		
PDOP Reading from Trimble Pathfinder: ____ Satelites: ____		
GPS Method (circle) Trimble And/Or (Magellan)		
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: MW-8		
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		X
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	
HEADSPACE READING (ppm) AND INSTRUMENT USED: MiniRAE	0.0 ppm	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	Steel 12"	
PROTECTIVE CASING MATERIAL TYPE:	Steel	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): Square 4"		
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE? Marked w/ Black Marker	X	
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	12.56'	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	7.70'	
MEASURE WELL DIAMETER (Inches):	2"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	white label	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	N/A	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.): ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Exterior of fence. Access @ old transfer station location for landfill.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

field, base of field along entrance Road

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

landfill, NA

REMARKS:

PVC warped ~3' down

Sketch

SITE NAME: Fort Edward Landfill

SITE ID.:
INSPECTOR: RS/FZ
DATE/TIME: 3/16/10 9:17
WEll ID.: MW-02

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or Magellan 18616101E 4794134N		
WELL I.D. VISIBLE?	✓	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: MW-02		
SURFACE SEAL PRESENT?		✓
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	
HEADSPACE READING (ppm) AND INSTRUMENT USED: miniRae 2000	0.0	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	20½"	
PROTECTIVE CASING MATERIAL TYPE:	steel	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	8" 6" square	
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?		✓
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	18.00	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	8.17	
MEASURE WELL DIAMETER (Inches):	2"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	clear	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES		

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

along perimeter fencing, outside of fencing/landfill, accessible through gate

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

on slope leading to stream

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

Landfill, N/A

REMARKS:

Sketch

SITE NAME: Fort Edward Landfill

SITE ID.:
INSPECTOR: RS/FZ
DATE/TIME: 3/16/10 3:36
WELL ID.: MW-5

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or ~~Magellan~~ 18 616344E 4794338N

	YES	NO
WELL I.D. VISIBLE?		✓
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: —

	YES	NO
SURFACE SEAL PRESENT?		✓
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)		✓

HEADSPACE READING (ppm) AND INSTRUMENT USED: miniRae2000 — 0.3
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)
PROTECTIVE CASING MATERIAL TYPE: steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6" square

	YES	NO
LOCK PRESENT?		✓
LOCK FUNCTIONAL?		
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?		✓

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 8.19 + 25 1/4"
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): 5.74 + 25 1/4"
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE —
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES —

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
accessible by foot

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
field, next to pond w/in landfill

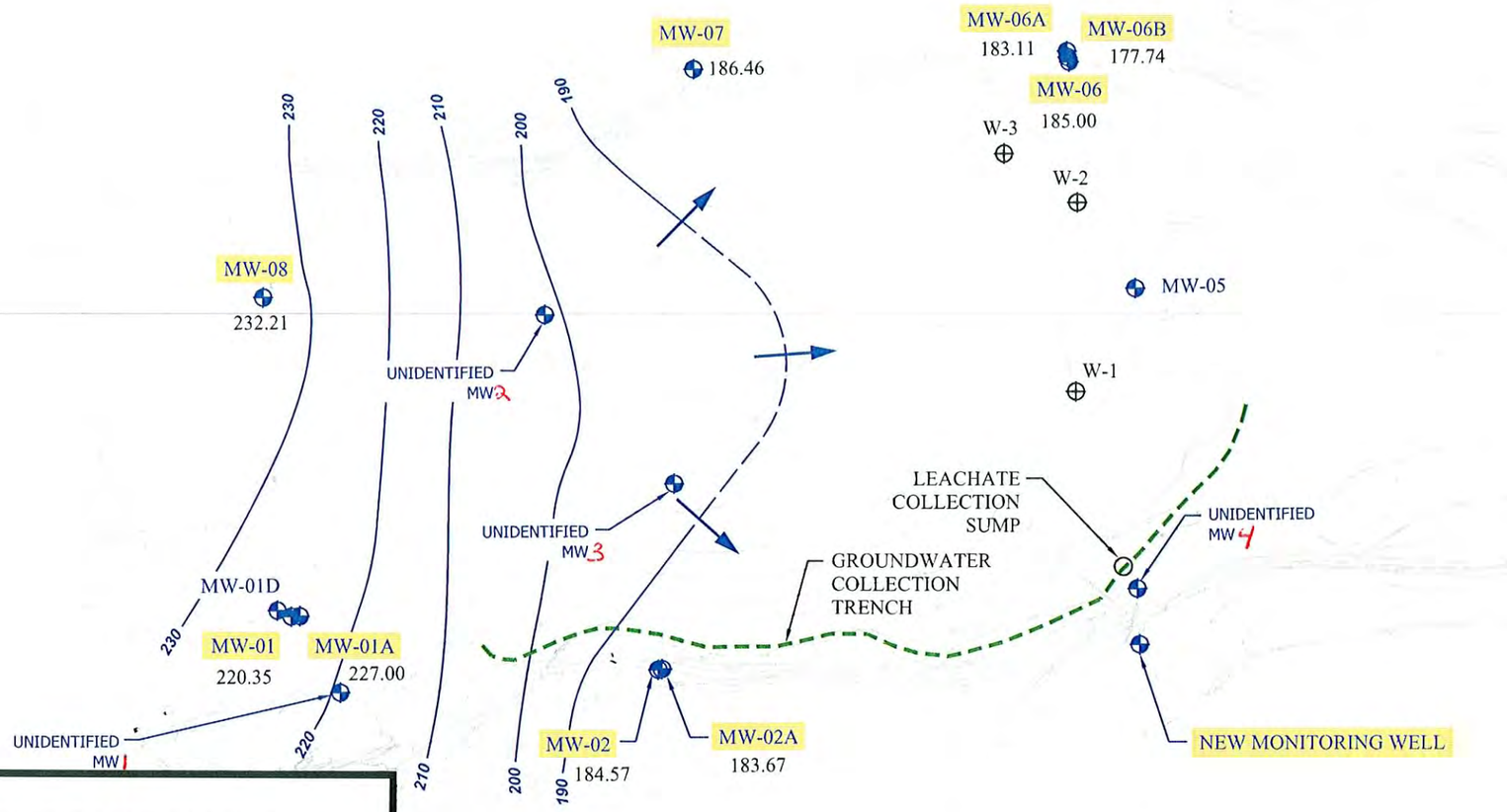
IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
Landfill, NA

REMARKS: ~~to~~ 3/25/10
NO sample; PVC caved in ~ 15' deep

Sketch

Ft. Edward Landfill

Wells Unable to be Sampled



LEGEND

MW-02	SAMPLED MONITORING WELL
183.67	REPORTED GROUNDWATER ELEVATION (MEASURED ON OCTOBER 27, 2008)
MW-05	MONITORING WELL
200	GROUNDWATER CONTOUR (10 FT.) (DASHED WHERE INFERRED)
	TOPOGRAPHIC CONTOUR
	STREAM/DRAINAGE CHANNEL/POND
	GROUNDWATER FLOW DIRECTION
W-1	EXTRACTION WELL
	GROUNDWATER COLLECTION TRENCH

Map Reference:
Mapping shown based on a plan titled "Groundwater and Surface Water Monitoring Locations", Figure 2-1, by URS Consultants, Inc., including all references.

Monitoring wells labeled as "Unidentified MW" located by a Sub-meter GPS survey performed by Earth Tech, November 2007.

Locations of site features are approximate.

PLAN

150 0 125 250 500

(IN FEET)
1 inch = 250 ft.

AECOM

FIGURE 2
GROUNDWATER MONITORING LOCATIONS AND GROUNDWATER FLOW (OCTOBER 2008)
FORT EDWARD LANDFILL
NYSDEC SITE #5-58-001
Town of Fort Edward, Washington County

Date: October 2009 Project No.: 99163

SITE NAME: Fort Edward Landfill

SITE ID.:
INSPECTOR: MK
DATE/TIME: 3/16/10 @ 1600
WELL ID.: UM 1

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X 615943 NYTM Y 4794113
PDOP Reading from Trimble Pathfinder: _____ Satelites: _____
GPS Method (circle) Trimble And/Or (Magellan) Garmin

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: UM-1

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		X
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: Mini RAE — 0.0 ppm
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): Steel 39"
PROTECTIVE CASING MATERIAL TYPE: Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): _____

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)	X	
WELL MEASURING POINT VISIBLE?	X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 36.45
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): No water
MEASURE WELL DIAMETER (Inches): 2" & 3/4"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: Black marking
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: N/A

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.): ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Along perimeter fence on Western side of site. Top of hill @ site entrance.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Field, along Fenceline

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
Landfill, NA

REMARKS:
2" outer casing & 3/4" inner casing - No water present, NO sample collected

Sketch

SITE NAME: Ft Edward Landfill

SITE ID.:
INSPECTOR: RS/FZ
DATE/TIME: 3/16/10 3:00
WELL ID.: unidentified MW 2

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	'	X
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: .....

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED.....
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable) steel /4ft
PROTECTIVE CASING MATERIAL TYPE: steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6"

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL?	—	
DID YOU REPLACE THE LOCK?	—	
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?	X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 43.42
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): DRY
MEASURE WELL DIAMETER (Inches): 2
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE N/A
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES none

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
At top of landfill. Field

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Field

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
Landfill, N/A.

REMARKS:
DRY - NO sample
PVC is crushed about 10" from surface to unknown depth

Sketch

SITE NAME: Fort Edward Landfill

SITE ID.:
INSPECTOR: RS/FZ
DATE/TIME: 3/16/10 3:05
WELL ID.: unidentified MW-3

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?		X
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: —

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below) casing not covering entire PVC pipe		X

HEADSPACE READING (ppm) AND INSTRUMENT USED: —
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 2'
PROTECTIVE CASING MATERIAL TYPE: steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 4" square

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): 48.14
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): DRY
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: OK
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE —
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: none

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
accessible by road on top of landfill

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
field; in landfill

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
— Landfill, N/A

NO sample; DRY

REMARKS:
PVC well is broken at ~2" down hole, looks like it's filled w/ ice. Needs major repair, probably dug out + reset

Sketch

SITE NAME: Fort Edward Landfill

SITE ID.:
INSPECTOR: RS/FZ
DATE/TIME: 3/16/10 9:41
WELL ID.: unidentified MW4

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or (Magellan) 4794179N 1861635.4E

	YES	NO
WELL I.D. VISIBLE?		✓
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	✓	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: —

	YES	NO
SURFACE SEAL PRESENT?		✓
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	✓	

HEADSPACE READING (ppm) AND INSTRUMENT USED	0.0
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	2'1"
PROTECTIVE CASING MATERIAL TYPE:	Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	6"

	YES	NO
LOCK PRESENT?	✓	
LOCK FUNCTIONAL?	✓	
DID YOU REPLACE THE LOCK?		✓
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		✓
WELL MEASURING POINT VISIBLE?		✓

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	7.51
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	7.45
MEASURE WELL DIAMETER (Inches):	4"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	—
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	—

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.): ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
poor access, down stone/gravel slope, in drainage collection trench

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Field on base of landfill in collection trench.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
Landfill, N/A

REMARKS:
DRY - no sample

Sketch

APPENDIX B

W-2

start: 9:45
end: 10:40
sample: 10:30
purge: 5g

Date: 3/22/10

time	temp	SC	DO	pH	ORP
9:55	12.32	1,683	17.0	7.44	-159.2
10:00	12.06	1.705	8.1	7.59	-166.4
10:05	12.08	1.703	6.8	7.59	-166.3
10:10	11.74	1,709	7.3	7.57	-158.8
10:15	11.98	1.708	4.6	7.58	-163.8
10:20	12.08	1.707	3.7	7.59	-168.0
10:25	12.10	1.711	3.2	7.59	-168.6
10:30	12.06	1.700	3.0	7.58	-167.8

Well Volume

41.34'
19.97'

21.37'
1.4688 gal/ft

31.38 gallons
94.16 gallons (x3)

* Well Stabilized @ 1030

MW-6B

Date: 3/22/10

time	temp	SC	DO	pH	ORP
2:05	13.10	0.231	44.0	8.71	-124.7
2:10	13.08	0.229	44.5	8.72	-117.5
2:15	13.09	0.226	44.4	8.69	-105.7
2:20	14.28	0.225			
3/22					
9:30	13.99	0.229	33.0	8.52	9.2
9:35	14.31	0.228	53.5	8.52	10.2
9:40	13.49	0.229	36.5	8.52	16.8
9:45	14.20	0.227	35.5	8.51	17.2
9:50	13.83	0.227	35.8	8.52	18.4
9:55	13.84	0.227	35.4	8.52	20.1

Start: [redacted] 9:30

end 10:00

Sample 10:00

Pumped ~6g

* purge extra water while experimenting w/ pump voltage.

* Well stabilized @ 0955

Well Volume

81.47'

22.36'

59.11'

.1632 gal/ft

9.646 gallons

28.94 gallons (x3)

New monitoring well

Date: 3/22/10

start: 11:00
end: 11:40
sample: 11:35
pump: 4.5g

time	temp	SC	DO	pH	ORP
11:05	7.72	2.075	7.1	6.76	-64.0
11:10	6.58	1.962	8.4	7.13	-79.7
11:15	7.22	2.123	6.0	7.38	-94.2
11:20	7.58	2.128	5.3	7.45	-93.9
11:25	7.84	2.109	5.5	7.53	-97.3
11:30	7.99	2.090	4.8	7.58	-102.3
11:35	8.29	2.003	4.9	7.63	-103.9

Well Volume

21.97'
6.96'
15.01'
.1632 gal/ft
2.44 gallons
7.34 gallons (x3)

* Well Stabilized @ 1135

Leachate Collection Sump

start 11:50
end : 12:30
sample 12:20
purge: 4g

Date 3/22/10

time	temp	SC	DO	pH	ORP
12:00	9.96	0.879	13.1	6.92	-82.2
12:05	9.93	0.876	7.9	6.97	-86.7
12:10	9.92	0.874	6.7	6.97	-91.2
12:15	9.94	0.874	6.4	6.98	-93.4
12:20	9.94	0.873	5.9	6.98	-95.4

Well Volume

~22.00
16.47
5.53'

~12.56 gal/ft (4" well)

69.49 gallons

208.47 gallons (x3)

Well stabilized @ 1220

start 2:10
end 3:00
Sample: 2:55
purge 5g

MW-2A

Date: 3/22/10

time	temp	SC	DO	pH	ORP
2:15	6.69	0.495	71.0	7.45	-76.0
2:20	6.80	0.491	12.0	7.15	-83.5
2:25	7.11	0.501	8.6	7.24	-99.1
2:30	7.10	0.501	6.8	7.25	-101.9
2:35	7.12	0.503	6.0	7.27	-106.1
2:40	7.21	0.503	4.8	7.28	115.7
2:45	7.19	0.503	4.3	7.32	-121.3
2:50	7.15	0.503	4.1	7.33	-128.7

Well Volume

26.56'
9.93'
16.63'
.1632 gallons/ft
2.714 gallons
3.14 gallons (x3)

* Well Stabilized @ 1450

W-3

Start 11:05
end 11:40
sample 11:40
purged ~5g

Date: 3/22/10

time	temp	SC	DO	pH	ORP
11:05	15.11	3.126	40.9	6.53	-94.0
11:10	15.27	3.119	33.1	6.52	-92.4
11:15	16.03	3.120	28.4	6.51	-97.8
11:20	15.99	3.123	27.6	6.51	-98.8
11:25	16.08	3.122	28.5	6.50	-100.4
11:30	16.36	3.121	23.1	6.49	-101.3
11:35	16.28	3.115	24.1	6.48	-101.4

Well Volume:

49.98'
27.52'
22.48'
1.4688 gal/ft
32.989 gallons
98.96 gallons (x3)

*Well stabilized @ 1135

W-1

Start: 12:05
end: 1
Sample: 12:55
purged: ~3g

well volume
31.11'
27.06'
4.05'
1.4688 gal/ft
5.94 gallons
17.84 gallons (x3)

time	temp	SC	DO	pH	ORP
12:05	15.00	3.129	32.5	6.41	-35.1
12:10	16.47	3.164	16.2	6.33	-64.1
12:15					
12:20					
12:25					
12:30					
12:35					

* bailed sample w/o complete purge due to lack of water

MW- 01D

Start : 2:15
End : 2:50
Sample : 2:50
purged : ~6g

Well Volume

N/A. well depth greater than 100'

time	temp	SC	DO	pH	ORP
2:15	11.28	0.350	42.8		
2:20	12.47	0.343	36.4	11.19	-272.7
2:25	12.89	0.337	30.8	11.14	-277.2
2:30	13.13	0.321	28.5	11.16	-289.3
2:35	13.35	0.311	25.3	11.10	-293.1
2:40	13.55	0.301	24.1	11.07	-293.3
2:45	13.68	0.298	23.2	11.03	-293.0
2				10.98	-291.8

Well stabilized @ 1445

MW-6

Date: 3/19/10

time	temp	SC	DO	pH	ORP
1:35	11.17	0.828	9.7	5.91	-53.6
1:40	11.08	0.832	7.7	5.90	-56.5
1:45	11.01	0.828	5.9	5.90	-60.4
1:50	10.93	0.830	6.2	5.90	-61.5
1:55	10.91	0.832	2.4	5.91	-63.4
2:00	10.90	0.834	1.6	5.90	-63.6
2:05	10.97	0.836	1.8	5.87	-62.6
2:10	10.98	0.835	1.2	5.88	-62.8

DO% continued to jump b/w .2 - 2, pumped 5g and sampled

Start: 1:20
end: 2:20
Sample: 2:10
pumped: 5g

Well Volume

17.67
8.08
9.59
.1632
1,565g
4,695g (3x)

*Pumped (3x) well volume
~5 gallons

MW-6A - Parastaltic Pump Date 3/19/10

Start: 1:10 End: 1:30 Purged: 2g Sampled: 1:35

time	temp	SC	DO	pH	ORP
1:15	12.60	1.016	8.97	7.69	-45.3
1:20	12.59	1.029	8.73	7.64	-70.4
1:25	12.66	1.038	8.51	7.52	-76.6
1:30	12.79	1.049	8.52	7.47	-87.5

Well Volume

61.11'
10.92'
50.19'
• .1632 gal/ft
8.19 gallons
24.57 gallons (3x)

* Well stabilized @ 1330

start 9:00
end 9:45
sample 9:40

purge: 3g

MW-8
(Dup 1)

Date: 3/26/10

~~3/25/10 - purged ~2.5g~~

3/26/10 - purged ~3g

Sampled - MW-8
Dup
MS
MSD

Well volume

12.56
7.70
4.86
0.1632

0.79315g

2.379g (3x)

Purged (3x) well volume

MW-2

start: 9:30
end 10:00
Sample 1:000
purge: ~5g

Well Volume
18.00'
8.17'
9.83'
.1632 gal/ft
1.604 gallons
4.8 gallons (x3)

(Dup 2)

time	temp	SC	DO	pH	ORP
9:30	4.37	0.810	26.1	7.63	-122.8
9:35	3.63	0.794	9.7	7.57	-122.9
9:40	3.67	0.817	6.5	7.55	-136.9
9:45	3.79	0.849	5.5	7.57	-144.5
9:50	3.99	0.829	4.8	7.56	-145.2
9:55	4.11	0.812	4.3	7.56	-144.8
10:00					

3/26/10

time	temp	SC	DO	pH	ORP
2:00	3.42	0.743	6.2	7.69	-46.2
2:05	3.92	0.742	3.0	6.98	-18.6
2:10	3.93	0.745	3.3	6.91	-15.7
2:15	3.76	0.746	3.3	6.90	-14.4
2:20	3.77	0.747	3.2	6.88	-14.2
2:25	3.82	0.747	3.1	6.89	-13.9

Start ~ 2:00 end 2:30 Sample 2:30 purged ~ 5g
Well stabilized & Purged (3X) well volume

MW-5

Start 2:55
end
sample ~ 3:25
purged ~ 2.5g

Well volume
10.29'
7.84'
2.45'
.1632 gal/ft
.399 gallons
1.19 gallons

Date: 3/26/10

(Dup 3)

time	temp	SC	DO	pH	ORP
2:55	6.55	1.958	1.2	6.66	-38.2
3:00	6.28	2.256	1.1	6.48	-44.2
3:05	6.62	2.477	0.5	6.38	-66.2
3:10	6.95	2.513	0.5	6.36	-71.6
3:15	6.83	2.529	0.5	6.36	-75.3
3:20					

*Purged (3X) well volume

MW-7

start 11:30
end: 12:15
Sample: 12:10
purge: 2g

Well Volume
27.46'
18.31'
9.15'
.1632 gal/ft
1.49 gallons
4.47 gallons (x3)

Date: 3/25/10

time	temp	SC	DO	pH	ORP
11:45	13.30	0.981	8.5	6.89	-148.9
11:50	13.46	0.980	7.0	6.94	-156.0
11:55	13.71	0.980	6.3	6.91	-151.7
12:00	13.69	0.982	6.4	6.88	-138.7
12:05	13.90	0.976	5.3	6.81	-118.2
12:10	14.07	0.975	5.2	6.82	-119.7

* Well stabilized @ 1210

MW-01A 3/25/10

start 9:50

end : 10:40

sample : 10:30

purge 2.5g

Well Volume

64.85 -

41.71 -

23.14 -

.1632 gal/ft

3.77 gallons

11.33 gallons (x3)

time	temp	SC	DO	pH	ORP
~~9:55~~	~~10.98~~	~~0.084~~	~~5~~		
10:05	10.85	0.160	71.2	9.68	-50.4
10:10	11.21	0.163	66.0	7.24	-72.6
10:15	13.56	0.163	62.6	9.78	-83.8
10:20	14.97	0.165	61.8	9.65	-92.5
10:25	15.55	0.164	54.7	9.59	-95.1
10:30	16.67	0.163	54.2	9.57	-98.2

* well [redacted] Stabilized @ 1030

MW-1 Date: 3/25/10

Start: 10:20
End: 10:45
Sample: 10:45
Purge: ~5g

Well Volume

48.30'
38.43'
9.87'
.1632 gallons/ft
1.61 gallons
4.8 gallons (3x)

Time	Temp	SC	DO	pH	ORP
10:20	12.46	0.690	70.4	7.04	-30.4
10:25	13.26	0.591	70.6	6.97	-25.3
10:30	14.97	0.556	65.7	6.85	-39.7
10:35	15.22	0.673	63.8	6.85	-44.7
10:40	15.34	0.671	58.8	6.82	-44.2

* Purged (3x) well volume and well stabilized @ 1040

APPENDIX C

Adirondack
Experience is the solution
314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

April 07, 2010

Payson Long
NYS DEC
625 Broadway
Albany, NY 12233-7014

TEL: (518) 402-9813
FAX: (518) 402-9819

Work Order No: 100319048
PO#: C200302
Site# / Callout 558001 / 118181

RE: Ft. Edward Landfill, Ft Edward
Burgoyn Ave, Washington Co

Dear Payson Long:

Adirondack Environmental Services, Inc received 3 samples on 3/19/2010 for the analyses presented in the following report.

There were no problems with the analyses and all associated QC met EPA or laboratory specifications, except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Tara Daniels
Laboratory Manager

ELAP#: 10709
AIHA#: 100307

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits
	J - Analyte detected below quanititation limits	R - RPD outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	T - Tentitively Identified Compound-Estimated Conc.
	X - Value exceeds Maximum Contaminant Level	E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *07-Apr-10*

CLIENT: NYS DEC
Work Order: 100319048
Reference: Ft. Edward Landfill, Ft Edward / Burgoyn Ave,
PO#: C200302
Site# / Callout 558001 / 118181

Client Sample ID: MW-6
Collection Date: 3/19/2010 2:10:00 PM
Lab Sample ID: 100319048-001
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS SW8082 (Prep: E608 - 3/23/2010)						Analyst: **KF**
Aroclor 1016	< 0.066	0.066		µg/L	1	3/24/2010 12:25:08 PM
Aroclor 1221	0.72	0.066		µg/L	1	3/24/2010 12:25:08 PM
Aroclor 1232	< 0.066	0.066		µg/L	1	3/24/2010 12:25:08 PM
Aroclor 1242	< 0.066	0.066		µg/L	1	3/24/2010 12:25:08 PM
Aroclor 1248	< 0.066	0.066		µg/L	1	3/24/2010 12:25:08 PM
Aroclor 1254	< 0.066	0.066		µg/L	1	3/24/2010 12:25:08 PM
Aroclor 1260	< 0.066	0.066		µg/L	1	3/24/2010 12:25:08 PM
ICP METALS E200.7 (Prep: SW3010A - 4/2/2010)						Analyst: **KH**
Aluminum	< 0.100	0.100		mg/L	1	4/6/2010 11:56:00 AM
Antimony	< 0.060	0.060		mg/L	1	4/6/2010 11:56:00 AM
Arsenic	< 0.005	0.005		mg/L	1	4/6/2010 11:56:00 AM
Barium	0.028	0.010		mg/L	1	4/6/2010 11:56:00 AM
Beryllium	< 0.005	0.005		mg/L	1	4/6/2010 11:56:00 AM
Cadmium	< 0.005	0.005		mg/L	1	4/6/2010 11:56:00 AM
Calcium	72.2	0.050		mg/L	1	4/6/2010 11:56:00 AM
Chromium	< 0.005	0.005		mg/L	1	4/6/2010 11:56:00 AM
Cobalt	< 0.050	0.050		mg/L	1	4/6/2010 11:56:00 AM
Copper	< 0.005	0.005		mg/L	1	4/6/2010 11:56:00 AM
Iron	123	0.500		mg/L	10	4/6/2010 12:00:00 PM
Lead	< 0.005	0.005		mg/L	1	4/6/2010 11:56:00 AM
Magnesium	13.2	0.050		mg/L	1	4/6/2010 11:56:00 AM
Manganese	2.45	0.020		mg/L	1	4/6/2010 11:56:00 AM
Nickel	< 0.020	0.020		mg/L	1	4/6/2010 11:56:00 AM
Potassium	5.26	0.050		mg/L	1	4/6/2010 11:56:00 AM
Selenium	< 0.005	0.005		mg/L	1	4/6/2010 11:56:00 AM
Silver	< 0.010	0.010		mg/L	1	4/6/2010 11:56:00 AM
Sodium	6.91	0.050		mg/L	1	4/6/2010 11:56:00 AM
Thallium	< 0.010	0.010		mg/L	1	4/6/2010 11:56:00 AM
Vanadium	< 0.020	0.020		mg/L	1	4/6/2010 11:56:00 AM
Zinc	< 0.010	0.010		mg/L	1	4/6/2010 11:56:00 AM
VOLATILE ORGANICS SW8260B						Analyst: **MG**
Chloromethane	< 10	10		µg/L	1	3/27/2010 3:35:00 PM
Bromomethane	< 10	10		µg/L	1	3/27/2010 3:35:00 PM
Vinyl chloride	< 10	10		µg/L	1	3/27/2010 3:35:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *07-Apr-10*

CLIENT:	NYS DEC	**Client Sample ID:**	MW-6
Work Order:	100319048	**Collection Date:**	3/19/2010 2:10:00 PM
Reference:	Ft. Edward Landfill, Ft Edward / Burgoyn Ave,	**Lab Sample ID:**	100319048-001
PO#:	C200302	**Matrix:**	GROUNDWATER
	Site# / Callout 558001 / 118181		

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS SW8260B						Analyst: **MG**
Chloroethane	< 10	10		µg/L	1	3/27/2010 3:35:00 PM
Methylene chloride	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
Acetone	< 10	10		µg/L	1	3/27/2010 3:35:00 PM
Carbon disulfide	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
1,1-Dichloroethene	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
cis-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
Chloroform	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
2-Butanone	< 10	10		µg/L	1	3/27/2010 3:35:00 PM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
Carbon tetrachloride	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
Bromodichloromethane	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
Trichloroethene	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
Dibromochloromethane	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
Benzene	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
Bromoform	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
4-Methyl-2-pentanone	< 10	10		µg/L	1	3/27/2010 3:35:00 PM
2-Hexanone	< 10	10		µg/L	1	3/27/2010 3:35:00 PM
Tetrachloroethene	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
Toluene	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
Chlorobenzene	25	5.0		µg/L	1	3/27/2010 3:35:00 PM
Ethylbenzene	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
Styrene	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
m,p-Xylene	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
o-Xylene	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
Methyl tert-butyl ether	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
Dichlorodifluoromethane	< 10	10		µg/L	1	3/27/2010 3:35:00 PM
Methyl Acetate	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
Cyclohexane	< 10	10		µg/L	1	3/27/2010 3:35:00 PM
Trichlorofluoromethane	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quanititation limits

B - Analyte detected in the associated Method Blank

X - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

T - Tentitively Identified Compound-Estimated Conc.

E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *07-Apr-10*

CLIENT: NYS DEC
Work Order: 100319048
Reference: Ft. Edward Landfill, Ft Edward / Burgoyn Ave,
PO#: C200302
Site# / Callout 558001 / 118181

Client Sample ID: MW-6
Collection Date: 3/19/2010 2:10:00 PM
Lab Sample ID: 100319048-001
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS SW8260B						Analyst: **MG**
Methyl Cyclohexane	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
1,2-Dibromoethane	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
1,3-Dichlorobenzene	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
Isopropylbenzene	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
1,2-Dichlorobenzene	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
1,4-Dichlorobenzene	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
1,2-Dibromo-3-chloropropane	< 10	10		µg/L	1	3/27/2010 3:35:00 PM
1,2,4-Trichlorobenzene	< 5.0	5.0		µg/L	1	3/27/2010 3:35:00 PM
BOD, 5 DAY, 20°C SM5210 B						Analyst: **SH**
Biochemical Oxygen Demand	36	2		mg/L	1	3/19/2010 5:00:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc
E - Value above quantitation range

CLIENT: NYS DEC
Work Order: 100319048
Reference: Ft. Edward Landfill, Ft Edward / Burgoyn Ave,
PO#: C200302
Site# / Callout 558001 / 118181

Client Sample ID: MW-6A
Collection Date: 3/19/2010 1:35:00 PM
Lab Sample ID: 100319048-002
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS SW8082 (Prep: E608 - 3/23/2010)						Analyst: KF
Aroclor 1016	< 0.065	0.065		µg/L	1	3/25/2010 3:35:05 PM
Aroclor 1221	< 0.065	0.065		µg/L	1	3/25/2010 3:35:05 PM
Aroclor 1232	< 0.065	0.065		µg/L	1	3/25/2010 3:35:05 PM
Aroclor 1242	< 0.065	0.065		µg/L	1	3/25/2010 3:35:05 PM
Aroclor 1248	< 0.065	0.065		µg/L	1	3/25/2010 3:35:05 PM
Aroclor 1254	< 0.065	0.065		µg/L	1	3/25/2010 3:35:05 PM
Aroclor 1260	< 0.065	0.065		µg/L	1	3/25/2010 3:35:05 PM
ICP METALS E200.7 (Prep: SW3010A - 4/2/2010)						Analyst: KH
Aluminum	< 0.100	0.100		mg/L	1	4/6/2010 12:32:00 PM
Antimony	< 0.060	0.060		mg/L	1	4/6/2010 12:32:00 PM
Arsenic	0.010	0.005		mg/L	1	4/6/2010 12:32:00 PM
Barium	0.162	0.010		mg/L	1	4/6/2010 12:32:00 PM
Beryllium	< 0.005	0.005		mg/L	1	4/6/2010 12:32:00 PM
Cadmium	< 0.005	0.005		mg/L	1	4/6/2010 12:32:00 PM
Calcium	103	0.050		mg/L	1	4/6/2010 12:32:00 PM
Chromium	< 0.005	0.005		mg/L	1	4/6/2010 12:32:00 PM
Cobalt	< 0.050	0.050		mg/L	1	4/6/2010 12:32:00 PM
Copper	< 0.005	0.005		mg/L	1	4/6/2010 12:32:00 PM
Iron	23.4	0.050		mg/L	1	4/6/2010 12:32:00 PM
Lead	< 0.005	0.005		mg/L	1	4/6/2010 12:32:00 PM
Magnesium	39.1	0.050		mg/L	1	4/6/2010 12:32:00 PM
Manganese	1.93	0.020		mg/L	1	4/6/2010 12:32:00 PM
Nickel	< 0.020	0.020		mg/L	1	4/6/2010 12:32:00 PM
Potassium	11.4	0.050		mg/L	1	4/6/2010 12:32:00 PM
Selenium	< 0.005	0.005		mg/L	1	4/6/2010 12:32:00 PM
Silver	< 0.010	0.010		mg/L	1	4/6/2010 12:32:00 PM
Sodium	56.7	0.500		mg/L	10	4/6/2010 12:57:00 PM
Thallium	0.012	0.010		mg/L	1	4/6/2010 12:32:00 PM
Vanadium	< 0.020	0.020		mg/L	1	4/6/2010 12:32:00 PM
Zinc	< 0.010	0.010		mg/L	1	4/6/2010 12:32:00 PM
VOLATILE ORGANICS SW8260B						Analyst: MG
Chloromethane	< 10	10		µg/L	1	3/27/2010 4:03:00 PM
Bromomethane	< 10	10		µg/L	1	3/27/2010 4:03:00 PM
Vinyl chloride	< 10	10		µg/L	1	3/27/2010 4:03:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc
E - Value above quantitation range

CLIENT: NYS DEC
Work Order: 100319048
Reference: Ft. Edward Landfill, Ft Edward / Burgoyn Ave,
PO#: C200302
Site# / Callout 558001 / 118181

Client Sample ID: MW-6A
Collection Date: 3/19/2010 1:35:00 PM
Lab Sample ID: 100319048-002
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS SW8260B						Analyst: **MG**
Chloroethane	< 10	10		µg/L	1	3/27/2010 4:03:00 PM
Methylene chloride	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM
Acetone	< 10	10		µg/L	1	3/27/2010 4:03:00 PM
Carbon disulfide	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM
1,1-Dichloroethene	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM
cis-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM
Chloroform	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM
2-Butanone	< 10	10		µg/L	1	3/27/2010 4:03:00 PM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM
Carbon tetrachloride	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM
Bromodichloromethane	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM
Trichloroethene	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM
Dibromochloromethane	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM
Benzene	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM
Bromoform	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM
4-Methyl-2-pentanone	< 10	10		µg/L	1	3/27/2010 4:03:00 PM
2-Hexanone	< 10	10		µg/L	1	3/27/2010 4:03:00 PM
Tetrachloroethene	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM
Toluene	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM
Chlorobenzene	6.4	5.0		µg/L	1	3/27/2010 4:03:00 PM
Ethylbenzene	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM
Styrene	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM
m,p-Xylene	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM
o-Xylene	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM
Methyl tert-butyl ether	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM
Dichlorodifluoromethane	< 10	10		µg/L	1	3/27/2010 4:03:00 PM
Methyl Acetate	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM
Cyclohexane	< 10	10		µg/L	1	3/27/2010 4:03:00 PM
Trichlorofluoromethane	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
X - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc.
E - Value above quantitation range

CLIENT: NYS DEC
Work Order: 100319048
Reference: Ft. Edward Landfill, Ft Edward / Burgoyn Ave,
PO#: C200302
Site# / Callout 558001 / 118181

Client Sample ID: MW-6A
Collection Date: 3/19/2010 1:35:00 PM
Lab Sample ID: 100319048-002
Matrix: GROUNDWATER

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS SW8260B						Analyst: **MG**
Methyl Cyclohexane	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM
1,2-Dibromoethane	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM
1,3-Dichlorobenzene	16	5.0		µg/L	1	3/27/2010 4:03:00 PM
Isopropylbenzene	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM
1,2-Dichlorobenzene	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM
1,4-Dichlorobenzene	< 5.0	5.0		µg/L	1	3/27/2010 4:03:00 PM
1,2-Dibromo-3-chloropropane	< 10	10		µg/L	1	3/27/2010 4:03:00 PM
1,2,4-Trichlorobenzene	22	5.0		µg/L	1	3/27/2010 4:03:00 PM
BOD, 5 DAY, 20°C SM5210 B						Analyst: **SH**
Biochemical Oxygen Demand	5	2		mg/L	1	3/19/2010 5:00:00 PM

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R - RPD outside accepted recovery limits
T - Tentitively Identified Compound-Estimated Conc
E - Value above quantitation range

Adirondack Environmental Services, Inc

Date: *07-Apr-10*

CLIENT: NYS DEC
Work Order: 100319048
Reference: Ft. Edward Landfill, Ft Edward / Burgoyn Ave,
PO#: C200302
Site# / Callout 558001 / 118181

Client Sample ID: Trip Blank
Collection Date:
Lab Sample ID: 100319048-003
Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS SW8260B						Analyst: **MG**
Chloromethane	< 10	10		µg/L	1	3/27/2010 4:32:00 PM
Bromomethane	< 10	10		µg/L	1	3/27/2010 4:32:00 PM
Vinyl chloride	< 10	10		µg/L	1	3/27/2010 4:32:00 PM
Chloroethane	< 10	10		µg/L	1	3/27/2010 4:32:00 PM
Methylene chloride	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
Acetone	< 10	10		µg/L	1	3/27/2010 4:32:00 PM
Carbon disulfide	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
1,1-Dichloroethene	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
1,1-Dichloroethane	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
trans-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
cis-1,2-Dichloroethene	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
Chloroform	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
1,2-Dichloroethane	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
2-Butanone	< 10	10		µg/L	1	3/27/2010 4:32:00 PM
1,1,1-Trichloroethane	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
Carbon tetrachloride	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
Bromodichloromethane	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
1,2-Dichloropropane	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
cis-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
Trichloroethene	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
Dibromochloromethane	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
1,1,2-Trichloroethane	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
Benzene	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
trans-1,3-Dichloropropene	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
Bromoform	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
4-Methyl-2-pentanone	< 10	10		µg/L	1	3/27/2010 4:32:00 PM
2-Hexanone	< 10	10		µg/L	1	3/27/2010 4:32:00 PM
Tetrachloroethene	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
1,1,2,2-Tetrachloroethane	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
Toluene	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
Chlorobenzene	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
Ethylbenzene	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
Styrene	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
m,p-Xylene	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
o-Xylene	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
Methyl tert-butyl ether	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
Dichlorodifluoromethane	< 10	10		µg/L	1	3/27/2010 4:32:00 PM
Methyl Acetate	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM

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Adirondack Environmental Services, Inc

Date: *07-Apr-10*

CLIENT: NYS DEC
Work Order: 100319048
Reference: Ft. Edward Landfill, Ft Edward / Burgoyn Ave,
PO#: C200302
Site# / Callout 558001 / 118181

Client Sample ID: Trip Blank
Collection Date:
Lab Sample ID: 100319048-003
Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS SW8260B						Analyst: **MG**
1,1,2-Trichloro-1,2,2-trifluoroethane	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
Cyclohexane	< 10	10		µg/L	1	3/27/2010 4:32:00 PM
Trichlorofluoromethane	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
Methyl Cyclohexane	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
1,2-Dibromoethane	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
1,3-Dichlorobenzene	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
Isopropylbenzene	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
1,2-Dichlorobenzene	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
1,4-Dichlorobenzene	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM
1,2-Dibromo-3-chloropropane	< 10	10		µg/L	1	3/27/2010 4:32:00 PM
1,2,4-Trichlorobenzene	< 5.0	5.0		µg/L	1	3/27/2010 4:32:00 PM

Qualifiers:

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Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, New York 12207
518-434-4546/434-0891 FAX

Experience is the solution

A full service analytical research laboratory offering solutions to environmental concerns

CHAIN OF CUSTODY RECORD

AES Work Order # 1003 19048

Client Name:	Address:	
John Santacroce	40 British American Blvd, Latham NY 12110	
Send Report To:	**Project Name (Location)**	**Samplers: (Names)**
John.Santacroce@aecom.com	DEC Ft. Edward Landfill	Rachel Skelke, Jason Raymond
Client Phone No:	**Client Fax No:**	**PO Number:** / **Samplers: (Signature)**
518-951-2265	518-951-2300	DEC Ft. Edward Landfill / Rachel Skelke

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type: Matrix	Comp	Grab	Number of Cont's	Analysis Required
001	MW-6	3/19/10	2:10 A (P)	GW		✓	8	VOC, PCB, metals BOD, COD, TOC, oil and grease
002	MW-6A	3/19/10	1:55 A (P)	GW		✓	8	↓
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					
			A P					

Shipment Arrived Via:

FedEx UPS Client AES Other: _____

Turnaround Time Request:

☐ 1 Day ☐ 3 Day ☒ Normal
☐ 2 Day ☐ 5 Day

CC Report To / Special Instructions/Remarks:

Please hold wet chemistry analysis until [redacted] contacts the lab on Mon. Mar 22nd. Aztech. Send copy of report to mryan@aztechtech.com

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Relinquished by: (Signature)	**Received by: (Signature)**	**Date/Time**
Relinquished by: (Signature)	**Received for Laboratory by:**	**Date/Time**
[signature]	[signature]	3/19/10 4:25 P.m

Temperature: Ambient or (Chilled) — Notes: 1.3

Properly Preserved: (Y) N — Notes:

Received Within Holding Times: (Y) N — Notes:

WHITE - Lab Copy YELLOW - Sampler Copy PINK - Generator Copy

Adirondack
Environmental Services, Inc.
Experience is the solution
314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.**'s performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.**, its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by credit card are subject to a 3% additional charge.