STEARNS & WHELER LLC
Environmental Engineers & Scientists

January 30, 2008

Mr. Norman Allen
City of Lockport
Municipal Building
Engineering Department
One Locks Plaza
Lockport, New York 14094

Re: Lockport Landfill
Sampling and Analysis Report
S&W No. 71136.0

Dear Mr. Allen:

Stearns & Wheler, LLC is pleased to submit two (2) copies of the revised Sampling and Analysis Report for the Long Term Monitoring at the Lockport Landfill. Presented in the report are the results of the annual monitoring and sampling, which was conducted on October 10, 2007. All work was completed in accordance with the NYSDEC approved Long Term Monitoring Plan.

There were no exceedances above the specified action levels and contingent sampling is not warranted. The next sampling event will be scheduled for October 2008.

A copy of this revised report has been forwarded to the NYSDEC. If you have any questions, please feel free to call.

Sincerely,

STEARNS & WHELER, LLC

David Rowlinson
Project Manager

DR/tld

Enclosure

cc: Mr. Brian Sadowski - NYSDEC

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Report

Lockport City Landfill Sampling and Analysis Report

City of Lockport

February 2008

Amherst, New York

LOCKPORT CITY LANDFILL
SAMPLING AND ANALYSIS REPORT

Prepared for

CITY OF LOCKPORT, NEW YORK

Prepared by

STEARNS & WHELER, LLC
ENVIRONMENTAL ENGINEERS AND SCIENTISTS
UNIVERSITY CENTRE, SUITE 100
415 NORTH FRENCH ROAD
AMHERST, NEW YORK 14228

February 2008

Project No. 71136

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SECTION 1 – INTRODUCTION

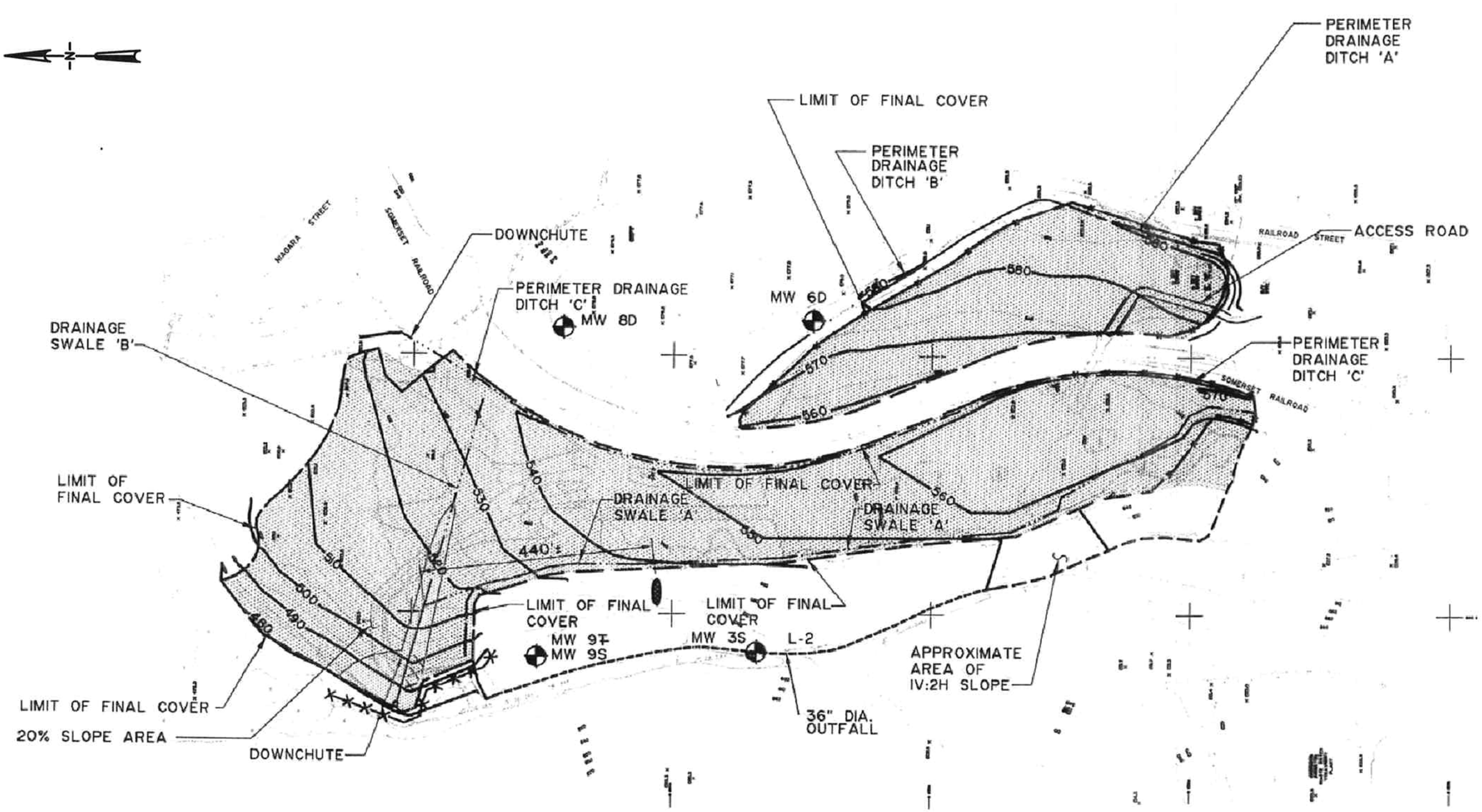
The Lockport City Landfill site is located on Oakhurst Street in the City of Lockport, Niagara County, New York. The landfill has been assigned the Site Registry Number 9-32-010 and is the subject of this report.

The Remedial Action Design as approved by the NYSDEC for the site; included a Long Term Monitoring Plan and Operation and Maintenance Plan. The purpose of the long term monitoring plan is to provide information to evaluate and monitor the long term effectiveness of the remedial work. The Operation and Maintenance Plan includes regular site inspections and analytical testing to identify any potential problems at the landfill that are not being adequately addressed by routine maintenance, and to document the current condition of the landfill. A site plan of the Lockport City Landfill is presented in Figure 1. The Long Term Monitoring Program started in 1997; six events were conducted in the first five years (two events in 1997 and one event per year afterwards). This is the first monitoring event of the first Long Term Monitoring contract between Stearns & Wheler, LLC and the City of Lockport. The purpose of this report is to present the findings of the twelfth sampling event conducted at the Lockport City Landfill on October 25, 2006.

SECTION 2 – LONG TERM MONITORING

In accordance with the NYSDEC approved Long Term Monitoring Plan, and included in the Operation and Maintenance Plan, five groundwater wells, and one outfall were sampled by Stearns & Wheler, LLC on October 10, 2007. The samples were delivered to Upstate Laboratories Inc. of Syracuse, New York, and analyzed for Target Compound List (TCL) volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) CLP Statement of Work (SOW) OLM04.2. Analytical data sheets (i.e. laboratory report Form I VOA) are provided in Appendix A and Groundwater Field Sampling Records are presented in Appendix B. Table 1 summarizes data collected from all of the monitoring wells and the outfall for the eleven years of monitoring. The established action levels for monitoring wells MW-8D and 9I, and outfall L2 are noted on the table.

Analytical results presented on Table 1 indicate that there were no exceedances above the reported action levels. Because exceedances did not occur, contingent sampling and analysis is not required. Therefore, the next sampling event will be scheduled for October 2008 for year twelve of this Long Term Monitoring Program.



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STEARNS & WHELER LLC
Environmental Engineers & Scientists
AMHERST, NEW YORK

DATE:12/07 JOB No.:71136

LOCKPORT CITY LANDFILL

FIGURE 1
SITE PLAN

Monitoring Well 3-S was not fully purged due to an obstruction in the well between the riser and screen. The obstruction could be due to a bailer stuck at the bottom of the well. The City of Lockport needs to address this problem prior to the next sampling event.

Monitoring Well MW-6D was not sampled, due to lack of available groundwater present at the time of sampling. This is attributed to the unseasonably dry conditions that were experienced during the summer of 2007. Groundwater in most Western New York areas during 2007 were significantly lower than normal conditions.

TABLES

TABLE 1
Monitoring Well 3S
Groundwater Analytical Results
Lockport City Landfill

Volatile Compounds	Units	Action Level	Jun-97	Nov-97	Sep-98	Sep-99	Sep-00	Sep-01	Oct-02	Dec-03	Oct-04	Oct-05	Oct-06	Oct-07
Chloromethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Vinyl chloride	µg/L	NS	U	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Chloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Acetone	µg/L	NS	U	U	U	U	U	U	U	U	U	U	6 J	U
1,1-Dichloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Carbon disulfide	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Methylene chloride	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
1,2-Dichloroethene (total)	µg/L	NS	U	U	U	U	U	U	U	U	U	U	U	U
trans-1, 2-Dichloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
1,1-Dichloroethane	µg/L	NS	U	U	U	U	U	U	U	U	U	1 J	U	U
2-Butanone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
cis-1,2-Dichloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	4 J
Chloroform	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
1,1,1-Trichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Carbon tetrachloride	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Benzene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
1,2-Dichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Trichloroethene	µg/L	NS	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloropropane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Bromodichloromethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
4-Methyl-2-pentanone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
cis-1,3-Dichloropropene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Toluene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
trans-1,3-Dichloropropene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
1,1,2-Trichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
2-Hexanone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Tetrachloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Dibromochloromethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Chlorobenzene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Ethylbenzene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
m,p-Xylene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
o-Xylene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Styrene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Bromoform	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
1,1,2,2-Tetrachloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U

Notes:

VOC analysis by USEPA CLP SOW OLM04.2

U = not detected above the quantitation limit

J = estimated concentration

NS = no standard

- = not sampled for

TABLE 1 (Cont'd)
Monitoring Well 6D
Groundwater Analytical Results
Lockport City Landfill

Volatile Compounds	Units	Action Level	Jun-97	Nov-97	Sep-98	Sep-99	Sep-00	Sep-01	Oct-02	Dec-03	Oct-04	Oct-05	Oct-06	Oct-07
Chloromethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	µg/L	NS	U	U	U	U	U	U	U	U	U	U	U	-
Bromomethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	µg/L	NS	U	U	U	U	U	U	U	U	U	2 J	16	-
1,1-Dichloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethene (total)	µg/L	NS	U	U	U	U	U	U	U	U	U	U	U	-
trans-1, 2-Dichloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	µg/L	NS	U	U	U	U	U	U	U	U	U	U	U	-
2-Butanone	µg/L	NS	U	U	U	U	U	U	U	U	U	U	1 J	-
cis-1,2-Dichloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	µg/L	NS	U	U	U	U	U	U	U	U	U	U	U	-
1,2-Dichloropropane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	µg/L	NS	U	U	U	U	U	U	U	U	U	2 J	2 J	-
trans-1,3-Dichloropropene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-
Xylene (Total)	µg/L	NS	U	U	U	U	U	U	U	U	U	U	U	-
Styrene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
VOC analysis by USEPA CLP SOW OLM04.2
U = not detected above the quantitation limit
J = estimated concentration
- = not sampled for
NS = no standard
October 2007: MW-6D not sampled due to dry conditions, no groundwater available

TABLE 1 (Cont'd)
Monitoring Well 9S
Groundwater Analytical Results
Lockport City Landfill

Volatile Compounds	Units	Action Level	Jun-97	Nov-97	Sep-98	Sep-99	Sep-00	Sep-01	Oct-02	Dec-03	Oct-04	Oct-05	Oct-06	Oct-07
Chloromethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Vinyl chloride	µg/L	162	U	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Chloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Acetone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
1,1-Dichloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Carbon disulfide	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Methylene chloride	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
1,2-Dichloroethene (total)	µg/L	1,580	U	U	U	U	U	U	U	U	U	U	U	U
trans-1, 2-Dichloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
1,1-Dichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
2-Butanone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
cis-1,2-Dichloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Chloroform	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
1,1,1-Trichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Carbon tetrachloride	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Benzene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
1,2-Dichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Trichloroethene	µg/L	260	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloropropane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Bromodichloromethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
4-Methyl-2-pentanone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
cis-1,3-Dichloropropene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Toluene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
trans-1,3-Dichloropropene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
1,1,2-Trichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
2-Hexanone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Tetrachloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Dibromochloromethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Chlorobenzene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Ethylbenzene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
m,p-Xylene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
o-Xylene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Styrene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Bromoform	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
1,1,2,2-Tetrachloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U

Notes:

VOC analysis by USEPA CLP SOW OLM04.2

U = not detected above the quantitation limit

J = estimated concentration

NS = no standard

- = not sampled for

TABLE 1 (Cont'd)
Monitoring Well 9I
Groundwater Analytical Results
Lockport City Landfill

Volatile Compounds	Units	Action Level	Jun-97	Nov-97	Sep-98	Sep-99	Sep-00	Sep-01	Oct-02	Dec-03	Oct-04	Oct-05	Oct-06	Oct-07
Chloromethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Vinyl chloride	µg/L	24	U	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Chloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Acetone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
1,1-Dichloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Carbon disulfide	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Methylene chloride	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
1,2-Dichloroethene (total)	µg/L	42	8.4	6	6	5	4 J	4 J	4 J	4 J	3 J	3 J	2 J	U
trans-1, 2-Dichloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
1,1-Dichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
2-Butanone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
cis-1,2-Dichloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	3 J
Chloroform	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
1,1,1-Trichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Carbon tetrachloride	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Benzene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
1,2-Dichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Trichloroethene	µg/L	NS	1.6	2	2	1 J	1 J	1 J	1 J	U	U	U	U	U
1,2-Dichloropropane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Bromodichloromethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
4-Methyl-2-pentanone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
cis-1,3-Dichloropropene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Toluene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
trans-1,3-Dichloropropene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
1,1,2-Trichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
2-Hexanone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Tetrachloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Dibromochloromethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Chlorobenzene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Ethylbenzene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
m,p-Xylene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
o-Xylene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Styrene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Bromoform	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
1,1,2,2-Tetrachloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U

Notes:

VOC analysis by USEPA CLP SOW OLM04.2

U = not detected above the quantitation limit

J = estimated concentration

NS = no standard

- = not sampled for

TABLE 1 (Cont'd)
Outfall L-2
Groundwater Analytical Results
Lockport City Landfill

Volatile Compounds	Units	Action Level	Jun-97	Nov-97	Sep-98	Sep-99	Sep-00	Sep-01	Oct-02	Dec-03	Oct-04	Oct-05	Oct-06	Oct-07
Chloromethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Vinyl chloride	µg/L	94	U	U	U	U	U	U	U	U	U	U	U	U
Bromomethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Chloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Acetone	µg/L	NS	U	U	U	U	U	U	U	U	U	2 J	U	U
1,1-Dichloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Carbon disulfide	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Methylene chloride	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
1,2-Dichloroethene (total)	µg/L	280	U	2	U	U	U	U	U	U	U	U	U	U
trans-1, 2-Dichloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
1,1-Dichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
2-Butanone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
cis-1,2-Dichloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Chloroform	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
1,1,1-Trichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Carbon tetrachloride	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Benzene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
1,2-Dichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Trichloroethene	µg/L	NS	U	3	U	U	U	U	U	U	U	U	U	U
1,2-Dichloropropane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Bromodichloromethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
4-Methyl-2-pentanone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
cis-1,3-Dichloropropene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Toluene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
trans-1,3-Dichloropropene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
1,1,2-Trichloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
2-Hexanone	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Tetrachloroethene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Dibromochloromethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Chlorobenzene	µg/L	NS	U	U	U	U	U	U	U	U	U	U	U	U
Ethylbenzene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
m,p-Xylene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
o-Xylene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Styrene	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
Bromoform	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U
1,1,2,2-Tetrachloroethane	µg/L	NS	-	-	-	-	-	-	-	-	-	-	-	U

Notes:
VOC analysis by USEPA CLP SOW OLM04.2
U = not detected above the quantitation limit
J = estimated concentration
NS = no standard
- = not sampled for

APPENDICES

APPENDIX A

Upstate Laboratories, Inc.

Shipping: 6034 Corporate Dr. * E. Syracuse, NY 13057-1017 * (315) 437-0255 * Fax (315) 437-1209
Mailing: Box 169 * Syracuse, NY 13206
Albany (518) 459-3134 * Binghamton (607) 724-0478 * Buffalo (716) 649-2533
Rochester (866) 437-0255 * New Jersey (908) 892-1807

Mr. David Rowlinson
Stearns & Wheler, LLC
415 N. French Rd.
Amherst, NY 14228

October 22, 2007

RE: City of Lockport

Order No.: U0710299

Dear Mr. Rowlinson:

Upstate Laboratories, Inc. received 7 samples on 10/11/07 for the analyses presented in the following report.

All analytical results relate to the samples as received by the laboratory.

All analytical data conforms with standard approved methodologies and quality control. Our quality control narrative will be included should any anomalies occur.

We have included the Chain of Custody Record as part of your report. You may need to reference this form for a more detailed explanation of your samples. Samples will be disposed of approximately one month from final report date.

Should you have any questions, please feel free to give us a call.

Thank you for your patronage.

Sincerely,
UPSTATE LABORATORIES, INC.

Anthony J. Scala
Anthony J. Scala
President/CEO

Enclosure: ASP-A Narrative, report, invoice

Upstate Laboratories, Inc.

Shipping: 6034 Corporate Dr. * E. Syracuse, NY 13057-1017 * (315) 437-0255 * Fax (315) 437-1209
Mailing: Box 169 * Syracuse, NY 13206
Albany (518) 459-3134 * Binghamton (607) 724-0478 * Buffalo (716) 649-2533
Rochester (866) 437-0255 * New Jersey (908) 892-1807

November 19, 2007

Mr. David Rowlinson
Stearns & Wheler, LLC
415 N. French Rd.
Amherst, NY 14228

RE: The Lockport City Landfill, Samples collected October 10, 2007
Case Narrative for ULI SDG Number S&W12, Workorder #U0710299

The following is a New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category A case narrative for the above referenced project. The test results were subject to an internal validation as described below:

Internal Validation

For each test, the chemist sorted the samples into batches of twenty samples or less and added quality control (QC) samples. The batches were analyzed by USEPA and NYSDEC approved test procedures (Table 1). During the course of the analyses the chemist compared the quality control test results to performance criteria and (if necessary) took corrective actions. At the end of the analysis, the data was assembled into data packages and submitted to the section supervisor for review and approval. On the cover of each data package the analyst described any anomaly that may have occurred and, if it did occur, why the data was still found acceptable. A summary of the comments on the cover sheet of each test from each laboratory follows:

Volatiles

Test	Batch	Anomaly
8260	R28978	Criteria were satisfied.
	R29039	Criteria were satisfied.
	R29050	Criteria were satisfied.

I certify that this data package is in compliance with the terms and conditions of the Contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and/or in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Sincerely,
UPSTATE LABORATORIES, INC.

Anthony J. Scala
Director

File: S+W12 Lockport

The total number of pages in this Data Package is : 2 .

Table 1
Methodologies

Methodology
The analyses were performed using test methods developed by the USEPA and reorganized by the NYSDEC in the Analytical Services Protocol (ASP). The specific method numbers are:

Parameter	Method	Reference
Volatiles	8260	(1)

Reference:
(1) New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP), 7/05 Revision

Upstate Laboratories, Inc.

Date: *22-Oct-07*

CLIENT: Stearns & Wheler, LLC
Lab Order: U0710299
Project: City of Lockport
Lab ID: U0710299-001

Client Sample ID: MW-8D
Collection Date: 10/10/2007 11:30:00 AM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER		**SW8260B**				Analyst: **MM**
Chloromethane	ND	10		µg/L	1	10/17/2007 7:06:00 PM
Vinyl chloride	ND	10		µg/L	1	10/17/2007 7:06:00 PM
Bromomethane	ND	10		µg/L	1	10/17/2007 7:06:00 PM
Chloroethane	ND	10		µg/L	1	10/17/2007 7:06:00 PM
Acetone	ND	10		µg/L	1	10/17/2007 7:06:00 PM
1,1-Dichloroethene	ND	10		µg/L	1	10/17/2007 7:06:00 PM
Carbon disulfide	ND	10		µg/L	1	10/17/2007 7:06:00 PM
Methylene chloride	ND	10		µg/L	1	10/17/2007 7:06:00 PM
trans-1,2-Dichloroethene	ND	10		µg/L	1	10/17/2007 7:06:00 PM
1,1-Dichloroethane	ND	10		µg/L	1	10/17/2007 7:06:00 PM
2-Butanone	ND	10		µg/L	1	10/17/2007 7:06:00 PM
cis-1,2-Dichloroethene	32	10		µg/L	1	10/17/2007 7:06:00 PM
Chloroform	ND	10		µg/L	1	10/17/2007 7:06:00 PM
1,1,1-Trichloroethane	ND	10		µg/L	1	10/17/2007 7:06:00 PM
Carbon tetrachloride	ND	10		µg/L	1	10/17/2007 7:06:00 PM
Benzene	ND	10		µg/L	1	10/17/2007 7:06:00 PM
1,2-Dichloroethane	ND	10		µg/L	1	10/17/2007 7:06:00 PM
Trichloroethene	ND	10		µg/L	1	10/17/2007 7:06:00 PM
1,2-Dichloropropane	ND	10		µg/L	1	10/17/2007 7:06:00 PM
Bromodichloromethane	ND	10		µg/L	1	10/17/2007 7:06:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/17/2007 7:06:00 PM
cis-1,3-Dichloropropene	ND	10		µg/L	1	10/17/2007 7:06:00 PM
Toluene	ND	10		µg/L	1	10/17/2007 7:06:00 PM
trans-1,3-Dichloropropene	ND	10		µg/L	1	10/17/2007 7:06:00 PM
1,1,2-Trichloroethane	ND	10		µg/L	1	10/17/2007 7:06:00 PM
2-Hexanone	ND	10		µg/L	1	10/17/2007 7:06:00 PM
Tetrachloroethene	ND	10		µg/L	1	10/17/2007 7:06:00 PM
Dibromochloromethane	ND	10		µg/L	1	10/17/2007 7:06:00 PM
Chlorobenzene	ND	10		µg/L	1	10/17/2007 7:06:00 PM
Ethylbenzene	ND	10		µg/L	1	10/17/2007 7:06:00 PM
m,p-Xylene	ND	10		µg/L	1	10/17/2007 7:06:00 PM
o-Xylene	ND	10		µg/L	1	10/17/2007 7:06:00 PM
Styrene	ND	10		µg/L	1	10/17/2007 7:06:00 PM
Bromoform	ND	10		µg/L	1	10/17/2007 7:06:00 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	1	10/17/2007 7:06:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: CZ **Date:** 10-22-07

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *22-Oct-07*

CLIENT:	Stearns & Wheler, LLC	**Client Sample ID:**	MW-9S
Lab Order:	U0710299	**Collection Date:**	10/10/2007 1:00:00 PM
Project:	City of Lockport		
Lab ID:	U0710299-002	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER		**SW8260B**				Analyst: **MM**
Chloromethane	ND	10		µg/L	1	10/19/2007 8:04:00 PM
Vinyl chloride	ND	10		µg/L	1	10/19/2007 8:04:00 PM
Bromomethane	ND	10		µg/L	1	10/19/2007 8:04:00 PM
Chloroethane	ND	10		µg/L	1	10/19/2007 8:04:00 PM
Acetone	ND	10		µg/L	1	10/19/2007 8:04:00 PM
1,1-Dichloroethene	ND	10		µg/L	1	10/19/2007 8:04:00 PM
Carbon disulfide	ND	10		µg/L	1	10/19/2007 8:04:00 PM
Methylene chloride	ND	10		µg/L	1	10/19/2007 8:04:00 PM
trans-1,2-Dichloroethene	ND	10		µg/L	1	10/19/2007 8:04:00 PM
1,1-Dichloroethane	ND	10		µg/L	1	10/19/2007 8:04:00 PM
2-Butanone	ND	10		µg/L	1	10/19/2007 8:04:00 PM
cis-1,2-Dichloroethene	ND	10		µg/L	1	10/19/2007 8:04:00 PM
Chloroform	ND	10		µg/L	1	10/19/2007 8:04:00 PM
1,1,1-Trichloroethane	ND	10		µg/L	1	10/19/2007 8:04:00 PM
Carbon tetrachloride	ND	10		µg/L	1	10/19/2007 8:04:00 PM
Benzene	ND	10		µg/L	1	10/19/2007 8:04:00 PM
1,2-Dichloroethane	ND	10		µg/L	1	10/19/2007 8:04:00 PM
Trichloroethene	ND	10		µg/L	1	10/19/2007 8:04:00 PM
1,2-Dichloropropane	ND	10		µg/L	1	10/19/2007 8:04:00 PM
Bromodichloromethane	ND	10		µg/L	1	10/19/2007 8:04:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/19/2007 8:04:00 PM
cis-1,3-Dichloropropene	ND	10		µg/L	1	10/19/2007 8:04:00 PM
Toluene	ND	10		µg/L	1	10/19/2007 8:04:00 PM
trans-1,3-Dichloropropene	ND	10		µg/L	1	10/19/2007 8:04:00 PM
1,1,2-Trichloroethane	ND	10		µg/L	1	10/19/2007 8:04:00 PM
2-Hexanone	ND	10		µg/L	1	10/19/2007 8:04:00 PM
Tetrachloroethene	ND	10		µg/L	1	10/19/2007 8:04:00 PM
Dibromochloromethane	ND	10		µg/L	1	10/19/2007 8:04:00 PM
Chlorobenzene	ND	10		µg/L	1	10/19/2007 8:04:00 PM
Ethylbenzene	ND	10		µg/L	1	10/19/2007 8:04:00 PM
m,p-Xylene	ND	10		µg/L	1	10/19/2007 8:04:00 PM
o-Xylene	ND	10		µg/L	1	10/19/2007 8:04:00 PM
Styrene	ND	10		µg/L	1	10/19/2007 8:04:00 PM
Bromoform	ND	10		µg/L	1	10/19/2007 8:04:00 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	1	10/19/2007 8:04:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: CZ **Date:** 10-22-07

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *22-Oct-07*

CLIENT: Stearns & Wheler, LLC
Lab Order: U0710299
Project: City of Lockport
Lab ID: U0710299-003

Client Sample ID: MW-9I
Collection Date: 10/10/2007 1:30:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER		**SW8260B**				Analyst: **MM**
Chloromethane	ND	10		µg/L	1	10/17/2007 7:44:00 PM
Vinyl chloride	ND	10		µg/L	1	10/17/2007 7:44:00 PM
Bromomethane	ND	10		µg/L	1	10/17/2007 7:44:00 PM
Chloroethane	ND	10		µg/L	1	10/17/2007 7:44:00 PM
Acetone	ND	10		µg/L	1	10/17/2007 7:44:00 PM
1,1-Dichloroethene	ND	10		µg/L	1	10/17/2007 7:44:00 PM
Carbon disulfide	ND	10		µg/L	1	10/17/2007 7:44:00 PM
Methylene chloride	ND	10		µg/L	1	10/17/2007 7:44:00 PM
trans-1,2-Dichloroethene	ND	10		µg/L	1	10/17/2007 7:44:00 PM
1,1-Dichloroethane	ND	10		µg/L	1	10/17/2007 7:44:00 PM
2-Butanone	ND	10		µg/L	1	10/17/2007 7:44:00 PM
cis-1,2-Dichloroethene	3	10	J	µg/L	1	10/17/2007 7:44:00 PM
Chloroform	ND	10		µg/L	1	10/17/2007 7:44:00 PM
1,1,1-Trichloroethane	ND	10		µg/L	1	10/17/2007 7:44:00 PM
Carbon tetrachloride	ND	10		µg/L	1	10/17/2007 7:44:00 PM
Benzene	ND	10		µg/L	1	10/17/2007 7:44:00 PM
1,2-Dichloroethane	ND	10		µg/L	1	10/17/2007 7:44:00 PM
Trichloroethene	ND	10		µg/L	1	10/17/2007 7:44:00 PM
1,2-Dichloropropane	ND	10		µg/L	1	10/17/2007 7:44:00 PM
Bromodichloromethane	ND	10		µg/L	1	10/17/2007 7:44:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/17/2007 7:44:00 PM
cis-1,3-Dichloropropene	ND	10		µg/L	1	10/17/2007 7:44:00 PM
Toluene	ND	10		µg/L	1	10/17/2007 7:44:00 PM
trans-1,3-Dichloropropene	ND	10		µg/L	1	10/17/2007 7:44:00 PM
1,1,2-Trichloroethane	ND	10		µg/L	1	10/17/2007 7:44:00 PM
2-Hexanone	ND	10		µg/L	1	10/17/2007 7:44:00 PM
Tetrachloroethene	ND	10		µg/L	1	10/17/2007 7:44:00 PM
Dibromochloromethane	ND	10		µg/L	1	10/17/2007 7:44:00 PM
Chlorobenzene	ND	10		µg/L	1	10/17/2007 7:44:00 PM
Ethylbenzene	ND	10		µg/L	1	10/17/2007 7:44:00 PM
m,p-Xylene	ND	10		µg/L	1	10/17/2007 7:44:00 PM
o-Xylene	ND	10		µg/L	1	10/17/2007 7:44:00 PM
Styrene	ND	10		µg/L	1	10/17/2007 7:44:00 PM
Bromoform	ND	10		µg/L	1	10/17/2007 7:44:00 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	1	10/17/2007 7:44:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: CZ **Date:** 10-22-07

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *22-Oct-07*

CLIENT:	Stearns & Wheler, LLC	**Client Sample ID:**	MW-3S
Lab Order:	U0710299	**Collection Date:**	10/10/2007 2:20:00 PM
Project:	City of Lockport		
Lab ID:	U0710299-004	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER		**SW8260B**				Analyst: **MM**
Chloromethane	ND	10		µg/L	1	10/17/2007 8:22:00 PM
Vinyl chloride	ND	10		µg/L	1	10/17/2007 8:22:00 PM
Bromomethane	ND	10		µg/L	1	10/17/2007 8:22:00 PM
Chloroethane	ND	10		µg/L	1	10/17/2007 8:22:00 PM
Acetone	ND	10		µg/L	1	10/17/2007 8:22:00 PM
1,1-Dichloroethene	ND	10		µg/L	1	10/17/2007 8:22:00 PM
Carbon disulfide	ND	10		µg/L	1	10/17/2007 8:22:00 PM
Methylene chloride	ND	10		µg/L	1	10/17/2007 8:22:00 PM
trans-1,2-Dichloroethene	ND	10		µg/L	1	10/17/2007 8:22:00 PM
1,1-Dichloroethane	ND	10		µg/L	1	10/17/2007 8:22:00 PM
2-Butanone	ND	10		µg/L	1	10/17/2007 8:22:00 PM
cis-1,2-Dichloroethene	4	10	J	µg/L	1	10/17/2007 8:22:00 PM
Chloroform	ND	10		µg/L	1	10/17/2007 8:22:00 PM
1,1,1-Trichloroethane	ND	10		µg/L	1	10/17/2007 8:22:00 PM
Carbon tetrachloride	ND	10		µg/L	1	10/17/2007 8:22:00 PM
Benzene	ND	10		µg/L	1	10/17/2007 8:22:00 PM
1,2-Dichloroethane	ND	10		µg/L	1	10/17/2007 8:22:00 PM
Trichloroethene	ND	10		µg/L	1	10/17/2007 8:22:00 PM
1,2-Dichloropropane	ND	10		µg/L	1	10/17/2007 8:22:00 PM
Bromodichloromethane	ND	10		µg/L	1	10/17/2007 8:22:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/17/2007 8:22:00 PM
cis-1,3-Dichloropropene	ND	10		µg/L	1	10/17/2007 8:22:00 PM
Toluene	ND	10		µg/L	1	10/17/2007 8:22:00 PM
trans-1,3-Dichloropropene	ND	10		µg/L	1	10/17/2007 8:22:00 PM
1,1,2-Trichloroethane	ND	10		µg/L	1	10/17/2007 8:22:00 PM
2-Hexanone	ND	10		µg/L	1	10/17/2007 8:22:00 PM
Tetrachloroethene	ND	10		µg/L	1	10/17/2007 8:22:00 PM
Dibromochloromethane	ND	10		µg/L	1	10/17/2007 8:22:00 PM
Chlorobenzene	ND	10		µg/L	1	10/17/2007 8:22:00 PM
Ethylbenzene	ND	10		µg/L	1	10/17/2007 8:22:00 PM
m,p-Xylene	ND	10		µg/L	1	10/17/2007 8:22:00 PM
o-Xylene	ND	10		µg/L	1	10/17/2007 8:22:00 PM
Styrene	ND	10		µg/L	1	10/17/2007 8:22:00 PM
Bromoform	ND	10		µg/L	1	10/17/2007 8:22:00 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	1	10/17/2007 8:22:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: CZ **Date:** 10-22-07

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *22-Oct-07*

CLIENT: Stearns & Wheler, LLC
Lab Order: U0710299
Project: City of Lockport
Lab ID: U0710299-005

Client Sample ID: Outfall L-2
Collection Date: 10/10/2007 2:40:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER		**SW8260B**				Analyst: **MM**
Chloromethane	ND	10		µg/L	1	10/17/2007 9:01:00 PM
Vinyl chloride	ND	10		µg/L	1	10/17/2007 9:01:00 PM
Bromomethane	ND	10		µg/L	1	10/17/2007 9:01:00 PM
Chloroethane	ND	10		µg/L	1	10/17/2007 9:01:00 PM
Acetone	ND	10		µg/L	1	10/17/2007 9:01:00 PM
1,1-Dichloroethene	ND	10		µg/L	1	10/17/2007 9:01:00 PM
Carbon disulfide	ND	10		µg/L	1	10/17/2007 9:01:00 PM
Methylene chloride	ND	10		µg/L	1	10/17/2007 9:01:00 PM
trans-1,2-Dichloroethene	ND	10		µg/L	1	10/17/2007 9:01:00 PM
1,1-Dichloroethane	ND	10		µg/L	1	10/17/2007 9:01:00 PM
2-Butanone	ND	10		µg/L	1	10/17/2007 9:01:00 PM
cis-1,2-Dichloroethene	ND	10		µg/L	1	10/17/2007 9:01:00 PM
Chloroform	ND	10		µg/L	1	10/17/2007 9:01:00 PM
1,1,1-Trichloroethane	ND	10		µg/L	1	10/17/2007 9:01:00 PM
Carbon tetrachloride	ND	10		µg/L	1	10/17/2007 9:01:00 PM
Benzene	ND	10		µg/L	1	10/17/2007 9:01:00 PM
1,2-Dichloroethane	ND	10		µg/L	1	10/17/2007 9:01:00 PM
Trichloroethene	ND	10		µg/L	1	10/17/2007 9:01:00 PM
1,2-Dichloropropane	ND	10		µg/L	1	10/17/2007 9:01:00 PM
Bromodichloromethane	ND	10		µg/L	1	10/17/2007 9:01:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/17/2007 9:01:00 PM
cis-1,3-Dichloropropene	ND	10		µg/L	1	10/17/2007 9:01:00 PM
Toluene	ND	10		µg/L	1	10/17/2007 9:01:00 PM
trans-1,3-Dichloropropene	ND	10		µg/L	1	10/17/2007 9:01:00 PM
1,1,2-Trichloroethane	ND	10		µg/L	1	10/17/2007 9:01:00 PM
2-Hexanone	ND	10		µg/L	1	10/17/2007 9:01:00 PM
Tetrachloroethene	ND	10		µg/L	1	10/17/2007 9:01:00 PM
Dibromochloromethane	ND	10		µg/L	1	10/17/2007 9:01:00 PM
Chlorobenzene	ND	10		µg/L	1	10/17/2007 9:01:00 PM
Ethylbenzene	ND	10		µg/L	1	10/17/2007 9:01:00 PM
m,p-Xylene	ND	10		µg/L	1	10/17/2007 9:01:00 PM
o-Xylene	ND	10		µg/L	1	10/17/2007 9:01:00 PM
Styrene	ND	10		µg/L	1	10/17/2007 9:01:00 PM
Bromoform	ND	10		µg/L	1	10/17/2007 9:01:00 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	1	10/17/2007 9:01:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: CZ **Date:** 10-22-07

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *22-Oct-07*

CLIENT: Stearns & Wheler, LLC
Lab Order: U0710299
Project: City of Lockport
Lab ID: U0710299-006

Client Sample ID: Trip Blank
Collection Date: 10/10/2007
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER		**SW8260B**				Analyst: **MM**
Chloromethane	ND	10		µg/L	1	10/17/2007 9:39:00 PM
Vinyl chloride	ND	10		µg/L	1	10/17/2007 9:39:00 PM
Bromomethane	ND	10		µg/L	1	10/17/2007 9:39:00 PM
Chloroethane	ND	10		µg/L	1	10/17/2007 9:39:00 PM
Acetone	ND	10		µg/L	1	10/17/2007 9:39:00 PM
1,1-Dichloroethene	ND	10		µg/L	1	10/17/2007 9:39:00 PM
Carbon disulfide	ND	10		µg/L	1	10/17/2007 9:39:00 PM
Methylene chloride	ND	10		µg/L	1	10/17/2007 9:39:00 PM
trans-1,2-Dichloroethene	ND	10		µg/L	1	10/17/2007 9:39:00 PM
1,1-Dichloroethane	ND	10		µg/L	1	10/17/2007 9:39:00 PM
2-Butanone	ND	10		µg/L	1	10/17/2007 9:39:00 PM
cis-1,2-Dichloroethene	ND	10		µg/L	1	10/17/2007 9:39:00 PM
Chloroform	ND	10		µg/L	1	10/17/2007 9:39:00 PM
1,1,1-Trichloroethane	ND	10		µg/L	1	10/17/2007 9:39:00 PM
Carbon tetrachloride	ND	10		µg/L	1	10/17/2007 9:39:00 PM
Benzene	ND	10		µg/L	1	10/17/2007 9:39:00 PM
1,2-Dichloroethane	ND	10		µg/L	1	10/17/2007 9:39:00 PM
Trichloroethene	ND	10		µg/L	1	10/17/2007 9:39:00 PM
1,2-Dichloropropane	ND	10		µg/L	1	10/17/2007 9:39:00 PM
Bromodichloromethane	ND	10		µg/L	1	10/17/2007 9:39:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/17/2007 9:39:00 PM
cis-1,3-Dichloropropene	ND	10		µg/L	1	10/17/2007 9:39:00 PM
Toluene	ND	10		µg/L	1	10/17/2007 9:39:00 PM
trans-1,3-Dichloropropene	ND	10		µg/L	1	10/17/2007 9:39:00 PM
1,1,2-Trichloroethane	ND	10		µg/L	1	10/17/2007 9:39:00 PM
2-Hexanone	ND	10		µg/L	1	10/17/2007 9:39:00 PM
Tetrachloroethene	ND	10		µg/L	1	10/17/2007 9:39:00 PM
Dibromochloromethane	ND	10		µg/L	1	10/17/2007 9:39:00 PM
Chlorobenzene	ND	10		µg/L	1	10/17/2007 9:39:00 PM
Ethylbenzene	ND	10		µg/L	1	10/17/2007 9:39:00 PM
m,p-Xylene	ND	10		µg/L	1	10/17/2007 9:39:00 PM
o-Xylene	ND	10		µg/L	1	10/17/2007 9:39:00 PM
Styrene	ND	10		µg/L	1	10/17/2007 9:39:00 PM
Bromoform	ND	10		µg/L	1	10/17/2007 9:39:00 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	1	10/17/2007 9:39:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: CZ **Date:** 10-22-07

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Date: *22-Oct-07*

CLIENT:	Stearns & Wheler, LLC	**Client Sample ID:**	Holding Blank
Lab Order:	U0710299	**Collection Date:**	10/12/2007 3:37:00 PM
Project:	City of Lockport		
Lab ID:	U0710299-007	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ASP/CLP TCL VOLATILE WATER		**SW8260B**				Analyst: **MM**
Chloromethane	ND	10		µg/L	1	10/20/2007 10:34:00 PM
Vinyl chloride	ND	10		µg/L	1	10/20/2007 10:34:00 PM
Bromomethane	ND	10		µg/L	1	10/20/2007 10:34:00 PM
Chloroethane	ND	10		µg/L	1	10/20/2007 10:34:00 PM
Acetone	ND	10		µg/L	1	10/20/2007 10:34:00 PM
1,1-Dichloroethene	ND	10		µg/L	1	10/20/2007 10:34:00 PM
Carbon disulfide	ND	10		µg/L	1	10/20/2007 10:34:00 PM
Methylene chloride	ND	10		µg/L	1	10/20/2007 10:34:00 PM
trans-1,2-Dichloroethene	ND	10		µg/L	1	10/20/2007 10:34:00 PM
1,1-Dichloroethane	ND	10		µg/L	1	10/20/2007 10:34:00 PM
2-Butanone	ND	10		µg/L	1	10/20/2007 10:34:00 PM
cis-1,2-Dichloroethene	ND	10		µg/L	1	10/20/2007 10:34:00 PM
Chloroform	ND	10		µg/L	1	10/20/2007 10:34:00 PM
1,1,1-Trichloroethane	ND	10		µg/L	1	10/20/2007 10:34:00 PM
Carbon tetrachloride	ND	10		µg/L	1	10/20/2007 10:34:00 PM
Benzene	ND	10		µg/L	1	10/20/2007 10:34:00 PM
1,2-Dichloroethane	ND	10		µg/L	1	10/20/2007 10:34:00 PM
Trichloroethene	ND	10		µg/L	1	10/20/2007 10:34:00 PM
1,2-Dichloropropane	ND	10		µg/L	1	10/20/2007 10:34:00 PM
Bromodichloromethane	ND	10		µg/L	1	10/20/2007 10:34:00 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/20/2007 10:34:00 PM
cis-1,3-Dichloropropene	ND	10		µg/L	1	10/20/2007 10:34:00 PM
Toluene	ND	10		µg/L	1	10/20/2007 10:34:00 PM
trans-1,3-Dichloropropene	ND	10		µg/L	1	10/20/2007 10:34:00 PM
1,1,2-Trichloroethane	ND	10		µg/L	1	10/20/2007 10:34:00 PM
2-Hexanone	ND	10		µg/L	1	10/20/2007 10:34:00 PM
Tetrachloroethene	ND	10		µg/L	1	10/20/2007 10:34:00 PM
Dibromochloromethane	ND	10		µg/L	1	10/20/2007 10:34:00 PM
Chlorobenzene	ND	10		µg/L	1	10/20/2007 10:34:00 PM
Ethylbenzene	ND	10		µg/L	1	10/20/2007 10:34:00 PM
m,p-Xylene	ND	10		µg/L	1	10/20/2007 10:34:00 PM
o-Xylene	ND	10		µg/L	1	10/20/2007 10:34:00 PM
Styrene	ND	10		µg/L	1	10/20/2007 10:34:00 PM
Bromoform	ND	10		µg/L	1	10/20/2007 10:34:00 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	1	10/20/2007 10:34:00 PM

NOTES:
TICS: No compounds were detected.

Approved By: CZ **Date:** 10-22-07

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

6034 Corporate ive • E. Syracuse, NY 13057-1017
(315) 437 0255 Stearns + Wheler Fax 437 1209

Chain Of ustody Record

Client: City of Lockport

Client Project # / Project Name: The Lockport City Landfill Long Term Monitoring

Client Contact: Dave Rowlinson

Phone #: (716) 691-8503

Site Location (city/state): Lockport, NY

Special Turnaround Time_____ (Lab Notification required)

ULI Computer Input Form

Sample Location:	Date	Time	Matrix (water)	Grab or Comp.	ULI Internal Use Only V0710299	No. of Containers	1)	2)	3)	4)	5)	6)	7)	8)	9)	10)	Remarks
MW-8D	10/10/07	11:30AM	Aqueous	Comp	-1	2	X										ASP-CAT A
MW-9S (MS/MSD)	10/10/07	1:00 PM	Aqueous	Comp	-2 (D)	~~2~~	X										ASP-CAT A
MW-9I	10/10/07	1:30PM	Aqueous	Comp	-3	2	X										ASP-CAT A
MS (Taken at MW-9S)	10/10/07	1:00PM	Aqueous	Comp	"	~~2~~	X										ASP-CAT A
MSD (Taken at MW-9S)	10/10/07	1:00PM	Aqueous	Comp		~~2~~	X										ASP-CAT A
MW-3S	10/10/07	2:20PM	Aqueous	Comp	-4	2	X										ASP-CAT A
Outfall L-2	10/10/07	2:40PM	Aqueous	Grab	-5	2	X										ASP-CAT A
Trip Blank	10/10/07	1:40PM	Aqueous	Comp	-6	1	X										ASP-CATA
(Holding Blank)	(10/12/07)	(15:37)	(water)	(Lab)	-7	(1)	(X)										

parameter and method	sample bottle:	type	size	pres.
1) TCL: 8260-VOAs				
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				

Note: The numbered columns above cross-reference with the numbered columns in the upper right-hand corner.

Sampled by: (Please Print) Brian P. Doyle

Company: Stearns + Wheler

ULI Internal Use Only
Delivery (check one):
☐ ULI Sampled
☐ Pickup ☐ Dropoff
☐ CC _____

Relinquished by: (Signature)	Date	Time	Received by: (Signature)
Brian P. Doyle	10/10/07	18:15	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)
Relinquished by: (Signature)	Date	Time	Received by: (Signature)
Relinquished by: (Signature)	Date	Time	Rec'd for Lab by: (Signature)
	10/11/07	9:45	Natalie Spaulding

Syracuse Rochester (Buffalo) Albany Binghamton Fair Lawn (NJ)

APPENDIX B

STEARNS & WHELER, LLC
GROUNDWATER FIELD SAMPLING RECORD

SITE: Lockport City Landfill — DATE: 10/10/07

Sampler: Brian Doyle — SAMPLE ID: MW-3S

Depth of well (from top of casing)..... 13.24 ft
Initial static water level (from top of casing).... 3.5 ft

Evacuation Method:

Submersible		Centrifugal		2in. casing:	9.7	ft. of water x .16 =	1.56 gallons
Airlift		Pos. Displ.		3in. casing:		ft. of water x .36 =	gallons
Bailer	X	>>> No. of bails		4in. casing:		ft. of water x .65 =	gallons

Well Volume Calculation

Volume of water removed: 2.50 gals.

> 3 volumes: yes | no

dry: yes | no

Field Tests:

Temp:	15.1 C
pH	6.77
Conductivity	3.08 mS/cm
DO	2.45 mg/l
Turbidity	274 NTUs
Salinity	0.15 %

Sampling: Time: 2:20 PM

Sampling Method:

Stainless Steel Bailer	
Disposable Bailer	X
Disposable Pump	
Other	

Observations:

Weather/Temperature: Overcast, 65°

Physical Appearance and Odor of Sample: No odor, reddish-brown color

Comments: Debris around monitoring well. Cut tree limbs and cleared the area around the well. Unable to fully purge well due to obstruction in well between the riser and the screen. The obstruction could be due to a bailer stuck at the bottom of the well. The City of Lockport needs to address this problem. Well pad is intact and the stickup protective cover is in good condition. Lock has corosion and should be changed.

STEARNS & WHELER, LLC
GROUNDWATER FIELD SAMPLING RECORD

SITE Lockport City Landfill DATE 10/10/07

Sampler: Brian Doyle SAMPLE ID MW-6D

Depth of well (from top of casing)..... 77.12 ft
Initial static water level (from top of casing).... 77.0 ft

Evacuation Method:

Submersible		Centrifugal			
Airlift		Pos. Displ.			
Bailer	X	>>> No. of bails			

Well Volume Calculation

2in. casing:	0.1 ft. of water x .16 =	0.02	gallons
3in. casing:	ft. of water x .36 =		gallons
4in. casing:	ft. of water x .65 =		gallons

Volume of water removed 0 gals.

> 3 volumes: yes no

dry: yes no

Field Tests:

Temp:		C
pH		
Conductivity		mS/cm
DO%		%
DO		mg/l
Turbidity		NTUs
Oxidation Reduction Potential(ORP)		mV
Salinity		%

Sampling: Time: 11:45 AM

Sampling Method:

Stainless Steel Bailer	
Disposable Bailer	X
Disposable Pump	
Other	

Observations:

Weather/Temperature: Overcast, 70°

Physical Appearance and Odor of Sample:

Comments: Unable to test for water quality parameters and take samples due to a neglible amount of water in well.
Well pad is intact and the stickup protective cover is in good condition.

STEARNS & WHELER, LLC
GROUNDWATER FIELD SAMPLING RECORD

SITE: Lockport City Landfill — DATE: 10/10/07

Sampler: Brian Doyle — SAMPLE ID: MW-8D

Depth of well (from top of casing)..... 76.67 ft
Initial static water level (from top of casing).... 72.2 ft

Evacuation Method:

Submersible		Centrifugal			
Airlift		Pos. Displ.			
Bailer	X	>>> No. of bails			

Well Volume Calculation

2in. casing:	4.5 ft. of water x .16 =	0.72	gallons
3in. casing:	ft. of water x .36 =		gallons
4in. casing:	ft. of water x .65 =		gallons

Volume of water removed: 1.50 gals.

> 3 volumes: yes / no

dry: yes / no

Field Tests:

Temp:	12.6	C
pH	7.81	
Conductivity	3.20	mS/cm
DO	4.50	mg/l
Turbidity	255	NTUs
Salinity	0.15	%

Sampling: Time: 11:30 AM

Sampling Method:

Stainless Steel Bailer	
Disposable Bailer	X
Disposable Pump	
Other	

Observations:

Weather/Temperature: Clear, 70°

Physical Appearance and Odor of Sample: No odor, slight yellow color

Comments: Well purged dry after 1.5 gallons.
Well pad is intact and the stickup protective cover is in good condition.

STEARNS & WHELER, LLC
GROUNDWATER FIELD SAMPLING RECORD

SITE: Lockport City Landfill — DATE: 10/10/07

Sampler: Brian Doyle — SAMPLE ID: MW-9S, MS, MSD

Depth of well (from top of casing)..... 12.36 ft
Initial static water level (from top of casing).... 7.0 ft

Evacuation Method:

Submersible		Centrifugal	
Airlift		Pos. Displ.	
Bailer	X	>>> No. of bails	

Well Volume Calculation

2in. casing:	5.36 ft. of water x .16 =	0.86	gallons
3in. casing:	ft. of water x .36 =		gallons
4in. casing:	ft. of water x .65 =		gallons

Volume of water removed: 2.57 gals.

> 3 volumes: **yes** no

dry: yes **no**

Field Tests:

Temp:	15.7	C
pH	7.49	
Conductivity	2.4	mS/cm
DO	2.57	mg/l
Turbidity	770	NTUs
Salinity	0.11	%

Sampling: Time: 1:00 PM

Sampling Method:

Stainless Steel Bailer	
Disposable Bailer	X
Disposable Pump	
Other	

Observations:

Weather/Temperature: Overcast, 65°

Physical Appearance and Odor of Sample: Very turbid, brownish color, no odor.

Comments: Well pad is intact and the stickup protective cover is in good condition. Lock has corosion and should be changed.

STEARNS & WHELER, LLC
GROUNDWATER FIELD SAMPLING RECORD

SITE: Lockport City Landfill — DATE: 10/10/07

Sampler: Brian Doyle — SAMPLE ID: MW-9I

Depth of well (from top of casing)..... 19.99 ft
Initial static water level (from top of casing).... 4.8 ft

Evacuation Method:

Submersible		Centrifugal			
Airlift		Pos. Displ.			
Bailer	X	>>> No. of bails			

Well Volume Calculation

2in. casing:	15.2 ft. of water x .16 =	2.43	gallons
3in. casing:	ft. of water x .36 =		gallons
4in. casing:	ft. of water x .65 =		gallons

Volume of water removed: 7.29 gals.

> 3 volumes: **yes** no

dry: yes **no**

Field Tests:

Temp:	12.9	C
pH	7.21	
Conductivity	1.92	mS/cm
DO	3.01	mg/l
Turbidity	107	NTUs
Salinity	0.09	%

Sampling: Time: 1:30 PM

Sampling Method:

Stainless Steel Bailer	
Disposable Bailer	X
Disposable Pump	
Other	

Observations:

Weather/Temperature: Overcast, 65°

Physical Appearance and Odor of Sample: Slightly turbid, light brown, no odor.

Comments: Debris around monitoring well. Cut tree limbs and cleared the area around the well. Well pad is intact and the stickup protective cover is in good condition. Lock has corosion and should be changed.

STEARNS & WHELER, LLC
SURFACE WATER FIELD SAMPLING RECORD

SITE Lockport City Landfill DATE 10/10/07

Samplers: Brian Doyle SAMPLE ID Outfall L-2

Sampling Method:

Submersible	GRAB	Centrifugal	
Airlift		Pos. Displ.	
Bailer		>>> No. of bails	

Field Tests:

Temp:	13.1	C
pH	7.45	
Conductivity	1.7	mS/cm
DO	6.83	mg/l
Turbidity	50	NTUs
Salinity	0.07	%

Sampling: Time: 2:45 PM

Sampling Method:

Stainless Steel Bailer	
Teflon Bailer	
Disposable Pump	
Other	Grab

Observations:

Weather/Temperature: Overcast, 65°

Physical Appearance and Odor of Sample: No odor, light brown color, slightly turbid.

Comments: Iron bacteria was present on outfall and rocks.