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February 20, 2009

Mr. Ervin Lane
Compliance Hydrogeologist
Division of Waste Management/Solid Waste Section
1646 Mail Service Center
Raleigh, NC 27699-1646

RE: Coastal Regional Solid Waste Management Authority's Tuscarora Regional Landfills Second Semiannual Groundwater Monitoring Report of 2008 JEI Project No. 618.08, Task No. 01

Dear Ervin:

On behalf of the Coastal Regional Solid Waste Management Authority (CRSWMA), Joyce Engineering, Inc. is submitting the enclosed *Second Semiannual Groundwater Monitoring Report of* 2008. This report completes the second semiannual compliance monitoring event of 2008 for the Tuscarora Regional Landfills, Permit Numbers 25-04 and 25-09, as required by the North Carolina Division of Waste Management, Solid Waste Section. Please feel free to contact me at (336) 323-0092 if you have any questions regarding this submittal.

Sincerely,
JOYCE ENGINEERING, INC.

Jeremey J. Kerly, P.G.
Project Consultant

Enclosure

C: Allen Hardison – CRSWMA (2 copies)
File

Prepared for:

Coastal Regional Solid Waste Management Authority
P.O. Box 128
Cove City, North Carolina 28523

JEI Project No. 618.08, Task No. 01

THE COASTAL ENVIRONMENTAL PARTNERSHIP
COASTAL REGIONAL SOLID WASTE MANAGEMENT AUTHORITY

SECOND SEMIANNUAL GROUNDWATER MONITORING REPORT OF 2008

COASTAL REGIONAL SOLID WASTE MANAGEMENT AUTHORITY LANDFILLS
CRAVEN COUNTY, NORTH CAROLINA
PERMIT NUMBERS 25-04 & 25-09

February 2009

Prepared by:

JOYCE ENGINEERING, INC.

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DENR USE ONLY: ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No) Doc/Event #:

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

Joyce Engineering, Inc.

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Jeremey J. Kerly Phone: (336) 323-0092

E-mail: jkerly@joyceengineering.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
CRSWMA (Coastal Regional Solid Waste Management Authority) Tuscarora Regional Landfills	7400 Old Hwy 70 West New Bern, NC 28562	25-04 & 25-09	.1600	October 28, 2008 December 23, 2008

Environmental Status: (Check all that apply)

☐ Initial/Background Monitoring ☒ Detection Monitoring ☐ Assessment Monitoring ☐ Corrective Action

Type of data submitted: (Check all that apply)

☒ Groundwater monitoring data from monitoring wells
☐ Groundwater monitoring data from private water supply wells
☒ Leachate monitoring data
☒ Surface water monitoring data
☐ Methane gas monitoring data
☐ Corrective action data (specify)
☐ Other(specify)

Notification attached?

☒ No. No groundwater or surface water standards or explosive methane gas limits were exceeded.
☐ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
☐ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

Jeremey J. Kerly — Facility Representative Name (Print)

Project Consultant — Title

(336) 323-0092 — (Area Code) Telephone Number

Signature

2-20-09 — Date

Affix NC Licensed Professional Geologist Seal

NORTH CAROLINA LICENSED SEAL 2097 GEOLOGIST JEREMEY JOHN KERLY

Revised 10/2006

Second Semiannual Groundwater Monitoring Report of 2008
Coastal Regional Solid Waste Management Authority Landfills
Craven County, North Carolina

TABLE OF CONTENTS

1.0 INTRODUCTION 1
1.1 Site Information 1
1.2 Site Geology 1
1.3 Regulatory Status 1
2.0 FACILITY MONITORING PROGRAMS 2
2.1 Closed Interim Regional Landfill Monitoring Program 2
2.2 Long-Term Regional Landfill Monitoring Program 3
2.3 Leachate Storage Lagoon Area Monitoring Program 3
2.4 Surface Water Monitoring Program 4
2.5 Leachate Monitoring Program 4
3.0 SECOND SEMIANNUAL SAMPLING EVENT OF 2008 4
3.1 Fieldwork 4
3.2 Laboratory Analysis and JEI Quality Control 5
4.0 HYDROGEOLOGICAL CONDITIONS 6
5.0 DATA ANANLYSIS AND STATISTICAL RESULTS 7
5.1 Statistical Methods 7
5.1.1 Treatment of Censored Data 8
5.1.2 Assumption of Normality 8
5.1.3 Parametric Upper Tolerance Limit 8
5.1.4 Aitchison's Adjusted Parametric Tolerance Limit 8
5.1.5 Non-parametric Upper Tolerance Limit 9
5.1.6 Poisson Upper Prediction Limit 9
5.2 Statistical Results 9
5.3 Analytical Results for Groundwater/Surface Water and Comparison to Standards 10
5.3.1 Closed Interim Regional Landfill 10
5.3.2 Long-Term Regional Landfill 11
5.3.3 Leachate Storage Lagoon Area 11
5.3.4 Surface Water 12
5.3.5 Leachate 13
6.0 CONCLUSION 14
7.0 REFERENCES 14

Second Semiannual Groundwater Monitoring Report of 2008
Coastal Regional Solid Waste Management Authority Landfills
Craven County, North Carolina

TABLE OF CONTENTS CONTINUED

Tables

Table 1	Summary of Groundwater Elevations: Tuscarora Interim Regional Landfill
Table 2	Summary of Groundwater Elevations: Tuscarora Long-Term Regional Landfill
Table 3	Summary of Groundwater Elevations: Leachate Storage Lagoon Area
Table 4	Estimated Hydraulic Gradients and Average Linear Velocities for the Shallow Aquifer
Table 5	Estimated Hydraulic Gradients and Average Linear Velocities for the Deep Aquifer
Table 6	Summary of Historical Groundwater Constituents: Tuscarora Interim Regional Landfill
Table 7	Summary of Field Parameters: Tuscarora Interim Regional Landfill
Table 8	Summary of Historical Groundwater Constituents: Tuscarora Long-Term Regional Landfill
Table 9	Summary of Field Parameters: Tuscarora Long-Term Regional Landfill
Table 10	Summary of Historical Groundwater Constituents: Leachate Storage Lagoon Area
Table 11	Summary of Field Parameters: Leachate Storage Lagoon Area
Table 12	Summary of Historical Surface Water Constituents
Table 13	Summary of Field Parameters: Surface Water
Table 14	Summary of Historical Constituents: Leachate

Figure

Figure No. 1	Site Location Map

Drawings

Drawing No. 1	Shallow Aquifer Groundwater Surface Contour Map
Drawing No. 2	Deep Aquifer Groundwater Surface Contour Map

Appendices

Appendix 1	Laboratory Analytical Reports and Field Data
Appendix 2	Statistical Analyses Worksheets

1.0 INTRODUCTION

1.1 Site Information

The Tuscarora Regional Landfill is owned and operated by the Coastal Regional Solid Waste Management Authority (CRSWMA) and is currently operating under North Carolina Solid Waste Permit Nos. 25-04 and 25-09. The landfills are located off of Old Highway 70, near the town of New Bern in northwestern Craven County, North Carolina. The property boundary is indicated on an excerpt from the 7.5 minute USGS topographic map for Jasper, North Carolina (Drawing No. 1). Surface water is directed through a network of constructed drain ditches to the north-northeast towards Jumping Run, a tributary of Bachelor Creek. Groundwater flow is to the east-southeast towards Beaverdam Branch, which is another tributary of Bachelor Creek located approximately 2.25 miles away. Bachelor Creek flows to the east to its confluence with the Neuse River.

The Tuscarora Regional Landfill consists of three waste cells - the Tuscarora Interim Regional Landfill and Phase 1&2 of the Tuscarora Long-Term Regional Landfill. The Interim Regional Landfill and Phase 1&2 of the Long-Term Regional Landfill were constructed with a composite liner and leachate collection system. The current waste footprint comprises approximately 74.8 acres. The Closed Tuscarora Interim Regional Landfill was permitted and constructed in accordance with Subtitle D regulations in 1993 and stopped receiving waste in November 1999. Phase 1 of the Long-Term Regional Landfill was constructed in accordance with Subtitle D regulations in 1999 while Phase 2 was constructed in 2005. The Tuscarora Long-Term Regional Landfill began receiving waste after November 1999 and is still operational.

1.2 Site Geology

The CRSWMA Landfills are located in the Coastal Plain physiographic province. The Coastal Plain consists of a wedge of continental and marine sediments that are Cretaceous, Tertiary, and Quaternary in age. These sediments are approximately 1,500 feet thick in the area of the Tuscarora Regional Landfill according to the North Carolina State Geologic Map (Brown, 1985).

The uppermost aquifer at the site consists of Miocene to Pleistocene age silty sands, clayey sands, and sandy clays. The uppermost aquifer is separated from a lower aquifer by a lean to fat clay associated with the Pungo River Formation. The Pungo River Formation is Miocene in age and consists mainly of marine fat clay to silty clay, which represents a regressive marine sequence that grades from sandy clay to silty sand at the bottom of the formation (Harris, 1991). The lower aquifer is middle to upper Eocene in age and is part of the Castle Hayne Formation. It consists of a combination of coquina and a weakly cemented calcarenite. In general, the material becomes denser with depth.

1.3 Regulatory Status

The Tuscarora Interim Regional and Long-Term Regional Landfills are currently in detection monitoring. Statistical analyses of the laboratory data has been prepared in accordance with the

required compliance demonstration Rule .1632(g), (h), and (i) of the North Carolina Division of Waste Management, Solid Waste Section.

Dissolved zinc for well IRL-5S continues to be analyzed, as requested by Larry Rose of the Solid Waste Section in September 2004, due to past statistically significant increases. Since statistically significant increases can initiate Assessment Monitoring, dissolved samples can be used as Alternate Source Demonstrations (ASD). An ASD is used to explain the contamination or statistically significant increases as coming from sources other than landfill influence.

2.0 FACILITY MONITORING PROGRAMS

Groundwater programs for each of the landfills, surface water, and the leachate storage system are discussed in the following sections and locations are shown on Drawing Nos. 1 & 2.

2.1 Closed Interim Regional Landfill Monitoring Program

Groundwater monitoring at the Closed Interim Regional Landfill is completed in accordance with NCSWMR §1633 (Detection Monitoring Program) and the approved Groundwater Monitoring Plan for the facility. Groundwater samples are collected semiannually and are analyzed for the constituents listed in NCSWMR Appendix I.

The groundwater monitoring network at the Closed Interim Regional Landfill consists of two upgradient/background wells (IRL-1S & IRL-1D) and six downgradient wells (IRL-3S, IRL-3D, IRL-4S, IRL-4D, IRL-5S, and MW-A). Wells IRL-2SA, IRL-2DA, IRL-5D, MW-B, and PZ-Z are measured for water levels only.

Monitoring Well	Date Installed	Classification	Monitoring Program	Total Depth from TOC (ft)	Lithology of Screened Interval
IRL-1S	6/29/93	Background	Detection	18.34	Shallow Aquifer / Saprolite
IRL-1D	6/29/93	Background	Detection	45.91	Deep Aquifer / Saprolite
IRL-2S	6/30/93	Abandoned	-	-	-
IRL-2SA	1/13/01	Observation	Water Level	17.63	Shallow Aquifer / Saprolite
IRL-2D	6/30/93	Abandoned	-	-	-
IRL-2SD	1/13/01	Observation	Water Level	41.76	Deep Aquifer / Saprolite
IRL-3S	7/02/93	Compliance	Detection	16.59	Shallow Aquifer / Saprolite
IRL-3D	7/02/93	Compliance	Detection	40.91	Deep Aquifer / Saprolite
IRL-4S	7/02/93	Compliance	Detection	15.23	Shallow Aquifer / Saprolite
IRL-4D	7/02/93	Compliance	Detection	25.87	Deep Aquifer / Saprolite
IRL-5S	7/01/93	Compliance	Detection	14.69	Shallow Aquifer / Saprolite
IRL-5D	7/01/93	Observation	Water Level	26.10	Deep Aquifer / Saprolite
IRL-6S	7/02/93	Abandoned	-	-	-
IRL-6D	7/02/93	Abandoned	-	-	-
MW-A	12/13/00	Compliance	Detection	22.00	Shallow Aquifer / Saprolite
MW-B	1/12/01	Observation	Water Level	22.06	Shallow Aquifer / Saprolite
PZ-Z	12/15/00	Observation	Water Level	32.35	Shallow Aquifer / Saprolite

2.2 Long-Term Regional Landfill Monitoring Program

Groundwater monitoring at the Long-Term Regional Landfill is completed in accordance with NCSWMR §1633 (Detection Monitoring Program) and the approved Groundwater Monitoring Plan for the facility. Groundwater samples are collected semiannually and are analyzed for the constituents listed in NCSWMR Appendix I.

The groundwater monitoring network at the Long-Term Regional Landfill area consists of two upgradient/background wells (MW-12S and MW-12D) and eight downgradient wells (MW-7, MW-8, MW-10, MW-11S, MW-11D, MW-13S, MW-13D, and MW-14). Well MW-9, which was previously monitored, was abandoned on July 15, 2004, to begin construction of Phase 2 of the Long-Term Regional Landfill. Well MW-14 was accidentally destroyed by facility equipment prior to the October 2006 sampling event and was replaced as MW-14R prior to the October 2007 sampling event.

Monitoring Well	Date Installed	Classification	Monitoring Program	Total Depth from TOC (ft)	Lithology of Screened Interval
MW-7	7/15/99	Compliance	Detection	17.89	Shallow Aquifer / Saprolite
MW-8	7/15/99	Compliance	Detection	15.14	Shallow Aquifer / Saprolite
MW-9	7/15/99	Abandoned	-	-	-
MW-10	7/15/99	Compliance	Detection	16.92	Shallow Aquifer / Saprolite
MW-11S	7/15/99	Compliance	Detection	12.07	Shallow Aquifer / Saprolite
MW-11D	7/15/99	Compliance	Detection	36.85	Deep Aquifer / Saprolite
MW-12S	4/09/02	Background	Detection	18.02	Shallow Aquifer / Saprolite
MW-12D	4/09/02	Background	Detection	38.00	Deep Aquifer / Saprolite
MW-13S	4/21/03	Compliance	Detection	17.48	Shallow Aquifer/ Saprolite
MW-13D	4/23/03	Compliance	Detection	42.29	Deep Aquifer / Saprolite
MW-14	4/18/03	Abandoned	-	-	-
MW-14R	10/04/07	Compliance	Detection	16.85	Shallow Aquifer / Saprolite

2.3 Leachate Storage Lagoon Area Monitoring Program

Groundwater monitoring at the Leachate Storage Lagoons is completed in accordance with NCSWMR §1633 (Detection Monitoring Program) and the approved Groundwater Monitoring Plan for the facility. Groundwater samples are collected semiannually and analyzed for the constituents listed in NCSWMR Appendix I.

The groundwater monitoring network at the Leachate Storage Lagoons consists of one upgradient/background well (LST-5S) and seven downgradient wells (LST-1S, LST-1D, LST-2S, LST-3S, LST-4S, LST-5D, and LST-6S). Well LST-5S replaced LST-6S as the background well due to drawdown effects from the borrow area north of the Leachate Storage Lagoons. Wells LST-2D, LST-3D, LST-4D, and LST-6D are measured for water levels only.

Monitoring Well	Date Installed	Classification	Monitoring Program	Total Depth from TOC (ft)	Lithology of Screened Interval
LST-1S	6/24/93	Compliance	Detection	15.83	Shallow Aquifer / Saprolite
LST-1D	6/24/93	Compliance	Detection	36.01	Deep Aquifer / Saprolite
LST-2S	6/24/93	Compliance	Detection	14.74	Shallow Aquifer / Saprolite
LST-2D	6/24/93	Observation	Water Level	33.96	Deep Aquifer / Saprolite
LST-3S	6/25/93	Compliance	Detection	18.34	Shallow Aquifer / Saprolite
LST-3D	6/24/93	Observation	Water Level	35.57	Deep Aquifer / Saprolite
LST-4S	6/25/93	Compliance	Detection	18.18	Shallow Aquifer / Saprolite
LST-4D	6/24/93	Observation	Water Level	36.39	Deep Aquifer / Saprolite
LST-5S	6/28/93	Background	Detection	16.75	Shallow Aquifer / Saprolite
LST-5D	6/28/93	Compliance	Detection	39.04	Deep Aquifer / Saprolite
LST-6S	6/28/93	Compliance	Detection	17.25	Shallow Aquifer / Saprolite
LST-6D	9/28/93	Observation	Water Level	35.17	Deep Aquifer / Saprolite

2.4 Surface Water Monitoring Program

Surface water monitoring at the Tuscarora Regional Landfill is completed in accordance with NCSWMR §1633 (Detection Monitoring Program) and the approved Groundwater Monitoring Plan for the facility. Groundwater samples are collected semiannually and analyzed for the constituents listed in NCSWMR Appendix I. The surface water monitoring network includes one upstream surface water sampling point (SWPT-1) and three downstream surface water monitoring points (SWPT-2, UD-1, and UD-2).

Surface Point	Classification	Monitoring Program
SWPT-1	Upstream	Detection
SWPT-2	Compliance	Detection
UD-1	Compliance	Detection
UD-2	Compliance	Detection

2.5 Leachate Monitoring Program

One leachate monitoring point (Leachate Manhole) is sampled at the Tuscarora Regional Landfill on a semiannual basis and the laboratory results are included in this report. The following constituents are required for laboratory leachate analysis:

- North Carolina Appendix I Metals
- North Carolina Appendix I 8260 Volatiles

3.0 SECOND SEMIANNUAL SAMPLING EVENT OF 2008

3.1 Field Work

On October 28, 2008 personnel from Environmental 1, Inc. visited the CRSWMA Landfills to obtain water levels to the nearest 0.01 foot, purge, and sample monitoring wells at the Closed

Interim Regional Landfill, Long-Term Regional Landfill, and Leachate Storage Lagoon areas. Four surface monitoring points and one leachate monitoring point were also sampled during the October 2008 event. In addition, for monitoring wells not part of the compliance network depth-to-water measurement were obtained to the nearest 0.01 foot using an electronic water level indicator. On December 23, 2008 personnel from Environment 1, Inc. resampled monitoring well IRL-5S from the Closed Interim Regional Landfill for zinc detected during the October 2008 sampling event.

Monitoring wells were purged and sampled using reusable bailers during the October 2008 and December 2008 resampling events. Measurements of temperature, pH, specific conductivity, and turbidity were recorded prior to purging, after each purge volume, and during sampling. Prior to sampling, laboratory-supplied containers were prepared with the following information:

- Monitoring well number (completed by field personnel),
- Date and time of sample collection (completed by field personnel),
- Initials of sampling personnel (completed by field personnel),
- Project name and number (completed by the laboratory),
- Chemical preservative (completed by the laboratory); and
- Requested chemical analysis (completed by the laboratory).

During both the main sampling event and the resampling event, groundwater samples from each monitoring well were collected directly from the bailers in the provided laboratory containers either immediately after purging or within 24 hours of the final purge volume. Immediately after collection, the samples were placed in a laboratory provided cooler and chilled on ice.

Surface water samples were collected directly from stream flow, by lowering the prepared sample containers into the stream flow with the opening facing into the current flow. Care was taken not the overflow the sample containers (which could lead to preservative loss) and avoid sample-induced turbidity. At the time of sampling, surface water was also measured for temperature, pH, specific conductivity, and turbidity. After sampled collection, the sampled were placed in a laboratory provided cooler and chilled on ice.

Leachate samples were collected from a vented manhole. Prepared sampling containers were filled, placed in a cooler, and chilled on ice. At the time of sampling, leachate was measured for temperature, pH, specific conductivity, and turbidity.

3.2 Laboratory Analysis and JEI Quality Control

The October 2008 groundwater, surface water, and leachate samples were submitted to Environment 1, Incorporated of Greenville, North Carolina and the December 2008 resample was also submitted to Environment 1, Inc. under chain-of-custody control for analysis. As discussed earlier, the groundwater, surface water, and leachate samples were analyzed for North Carolina Appendix I constituents and the resample was analyzed for zinc and dissolved zinc. JEI requested a Level II data report for the final laboratory reports. The samples were received by the

laboratory on October 28, 2008 and December 23, 2008 in good condition, properly preserved, and within analysis hold times.

In addition to samples collected for compliance monitoring at the CRSWMA Landfills, an Equipment Blank (also referred to as a Field Blank) was collected by Environment 1, Inc. personnel as part of the April 2008 sampling event. Also, a Trip Blank was prepared by the laboratory to accompany the volatile sampling containers during shipment. The Equipment Blank was analyzed for North Carolina Appendix I constituents while the Trip Blank was analyzed for North Carolina Appendix I volatile organics only.

Upon receipt of laboratory data packages, the data was reviewed by JEI personnel for the following:

- General typographical errors;
- Correct analyses performed and within method specified hold times;
- Biased data results based on Surrogate Recoveries, Matrix Spike, Matrix Spike Duplicate, and Laboratory Control Samples;
- Blank qualified data (B-flags);
- Detections above the North Carolina SWSLs, NC 2Ls, and NC 2Bs; and
- Detections that are above historical levels.

After receipt of the October 2008 data package, it was determined that a resampling event was required for the following monitoring well: IRL-5S. Zinc detected in monitoring well IRL-5S was considered to be a statistically significant increase above background levels.

4.0 HYDROGEOLOGICAL CONDITIONS

Depth to groundwater was measured in the compliance monitoring wells prior to sampling. The groundwater elevation at each well was calculated relative to the surveyed measuring point (top of casing) for each monitoring well. Tables 1-3 summarize the groundwater elevations. In general, groundwater elevations were similar to previous events.

Both the upper and lower aquifers at the site are primarily made up of coarse sand and silty sand. The aquifers are separated by a confining layer consisting of marine clays, silty clays, and very fine silty sands.

Groundwater elevation contours for the upper and lower aquifers are shown on Drawing Nos. 1 and 2, and were interpreted from the October 2008 water level measurements. Groundwater at the site flows predominantly from the northwest to the southeast for the shallow aquifer and in a outward radial flow pattern from IRL-1D for the deep aquifer.

Horizontal groundwater gradients were estimated based on October 2008 groundwater levels. The groundwater contours and the groundwater flow arrows were used to calculate hydraulic gradients for the site. The horizontal gradients were estimated to range from 0.0026 to 0.0052 ft/ft (Table 4) for the shallow aquifer and 0.0016 to 0.0048 ft/ft (Table 5) for the deep aquifer.

The low gradients reported for this event likely reflect the shallow depth to the uppermost aquifer underlying the site, the flat topography of the site, wet stormwater drainage ditches and basins located within the site, and dewatering associated with on-site borrow operations.

Average hydraulic conductivity (K) for each slug-tested well was used to estimate average linear groundwater flow velocities. The gradient and flow velocity calculations are included in Tables 4 and 5. Linear groundwater flow velocities were computed using the following modified Darcy equation:

$$V = Ki/n$$

where V = average linear velocity (feet per day) , K = hydraulic conductivity (ft/day), i = horizontal hydraulic gradient, and n = effective porosity.

The calculated linear groundwater flow velocities range from 0.009 to 0.018 ft/day (Table 4) for the uppermost aquifer range and 0.035 to 0.104 ft/day (Table 5) for the deep aquifer. However, the linear velocity equation and resultant rates make the simplified assumptions of a homogeneous and isotropic aquifer. This equation can grossly overestimate velocity when applied to heterogeneous and/or anisotropic conditions.

5.0 DATA ANALYSIS AND STATISTICAL RESULTS

Results from the October 2008 sampling event were received December 4, 2008 from Environment 1, Inc. and are found in Appendix 1. Results from the December 2008 resampling event were received from Environment 1, Inc. on January 13, 2009. Zinc was considered to be a statistically significant increase above background level in IRL-5S from samples collected during the October 2008 sampling event. Samples analyzed from the December 2008 resampling event indicated zinc concentrations below background levels.

Statistical comparisons of baseline monitoring data to compliance groundwater data are part of the required compliance demonstration (Rule .1632(g), (h), and (i)) for the Interim Regional Landfill and the Long-Term Regional Landfill. Background data and statistical methods used to evaluate the data from the Interim Regional Landfill and the Long-Term Regional Landfill are discussed as follows.

5.1 Statistical Methods

The data were evaluated through the use of the Shapiro-Wilk Test, Parametric Prediction Limits, Parametric Tolerance Intervals, Aitchison's Adjustment, Non-parametric Prediction Limits, and Poisson Prediction Limits, as appropriate. The results of the statistical analyses are summarized in Appendix 1 of this report. Individual tests are presented on each page to clearly document these tests. Background data, tests for normality, outliers, Aitchison's adjustment, or parametric tolerance interval follow, as appropriate, based on the background data. For each set of data, all of the parameters used to calculate the test statistic are presented beneath the raw data. The

result of the test and any comments relating to quality assurance are presented at the bottom of the page.

The statistical test by which downgradient data are compared to facility background data is based upon the nature of the data and the number of data values that are less than the laboratory limit of detection. All statistical tests are evaluated at the 0.05 level of significance, 95% confidence level, and are conducted as one-tailed tests. These methods and the criteria for their use are discussed below.

5.1.1 Treatment of Censored Data

Generally, the laboratory reporting limits (RLs) are known and background data are censored as follows. When less than or equal to 15% of the background data values are less than the RL, any data reported less than the RL will be treated as one-half the RL.

5.1.2 Assumption of Normality

Prior to conducting statistical tests that are based on the assumption of normally distributed data, normality of the background data is evaluated using the Shapiro-Francia statistic (W') when the number of data in a sample set is greater than 50. Normality is assessed at the 95% confidence level. In the event that the raw data fail to follow a normal distribution, the data are transformed using a base-10 logarithm. The transformed data are then tested for normality using the Shapiro-Francia statistic. In the event that the log-transformed data also fail to follow a normal distribution, a non-parametric approach is applied.

5.1.3 Parametric Upper Tolerance Limit

In those cases where the background data consist of a minimum of eight independent data values and less than or equal to 15% of the background data values are less than the RL for a given analyte, the downgradient values are compared to the parametric upper tolerance limit in accordance with the procedure summarized in the USEPA guidance documents, *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Interim Final Guidance* (April 1989) and *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Addendum to Interim Final Guidance* (July 1992).

5.1.4 Aitchison's Adjusted Parametric Tolerance Limit

When the background data consist of a minimum of eight independent data values and more than 15%, but less than or equal to 50%, of the background data values are less than the RL for a given analyte, the mean and standard deviation are adjusted in accordance with the procedure described by Aitchison (1955) and summarized in the USEPA guidance document, *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Addendum to Interim Final Guidance* (July 1992). After the adjustments are made, the downgradient values are compared to the Aitchison's adjusted parametric upper tolerance limit in accordance with the procedures summarized in the USEPA guidance documents, *Statistical Analysis of Groundwater Monitoring*

Data at RCRA Facilities, Interim Final Guidance (April 1989) and *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Addendum to Interim Final Guidance* (July 1992).

5.1.5 Non-parametric Upper Tolerance Limit

In those cases where more than 50%, but less than or equal to 90%, of the background data values are less than the RL for a given analyte or the background data fail to follow a normal or log-normal distribution, downgradient values are compared to the non-parametric upper tolerance limit. These comparisons are made in accordance with the procedures summarized in the USEPA guidance documents, *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Interim Final Guidance* (April 1989) and *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Addendum to Interim Final Guidance* (July 1992).

5.1.6 Poisson Upper Prediction Limit

In those cases where more than 90% of the background data values are less than the RL for a given analyte, then the downgradient values are compared to the Poisson upper prediction limit. This is done in accordance with the procedure summarized in the USEPA guidance document, *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Addendum to Interim Final Guidance* (July 1992).

5.2 Statistical Results

Statistical background values were calculated using data from historical semiannual sampling events at the facility through this event. A summary of the October 2008 statistical background calculations are provided below in the following table. Detailed results of statistical analyses can be found in Appendix 2. The data set from wells IRL-1S, IRL-1D, LST-5S, MW-7, MW-12S, MW-12D, MW-13S, MW-13D, and MW-14 were evaluated to determine the appropriate procedure for calculation of the background value for each parameter.

Constituent	Data Distribution	Statistical Method used to Establish Background	Background Concentration	Noted Increased
Barium	N/A	Non-Parametric Prediction Interval	869	None
Beryllium	N/A	Non-Parametric Prediction Interval	6	None
Lead	N/A	Non-Parametric Prediction Interval	129	None
Zinc	N/A	Non-Parametric Prediction Interval	192	IRL-5S*

1. Concentrations are in micrograms per liter (µg/L)
2. N/A = Not Applicable
3. * = Resample concentration was <u>not</u> considered to be an increase above background levels.

Background concentrations for inorganic constituents were determined using statistical procedures as discussed in Section 5.1. Zinc was considered to be a statistically significant increase above background level in IRL-5S from samples collected during the October 2008 sampling event. Samples analyzed from the December 2008 resampling event indicated zinc concentrations below background levels. There were no organic constituents detected at quantified concentrations in the groundwater compliance wells. Therefore, there are no organic detections that are considered to be statistically significant over background values.

5.3 Analytical Results for Groundwater/Surface Water and Comparisons to Standards

5.3.1 Closed Interim Regional Landfill

Background concentrations were determined as discussed in Section 5.2 and detailed in the Appendix 2. The following inorganic and organic constituents were detected during the April 2008 sampling event. All concentrations are reported in micrograms per liter (µg/L). Concentrations with a "J" are considered to be estimated. Concentrations with a "B" are considered to be attributed to lab or field contamination.

Constituent	NC2L/ GWPS	Background		Downgradient						Blanks
		IRL-1S	IRL-1D	IRL-3S	IRL-3D	IRL-4S	IRL-4D	IRL-5S	MW-A	
Antimony	1.4	0.1 J	0.1 J	0.5 J	0.1 J	ND	0.1 J	0.1 J	ND	ND
Arsenic	50	1 B	1.6 B	1.7 B	1 B	2 B	0.5 B	4.3 J	5 J	0.5 J
Barium	2,000	94.9 J	39.6 J	91.7 J	95.9 J	149	39 J	116	44.2 J	0.7 J
Beryllium	4	0.5 J	0.1 J	0.1 J	0.2 J	0.2 J	0.1 J	ND	0.2 J	ND
Cadmium	1.75	0.3 J	0.8 J	0.1 J	0.1 J	0.2 J	0.2 J	0.3 J	0.2 J	ND
Chromium	50	3 J	1.6 J	1.5 J	1.1 J	0.4 J	1.1 J	0.4 J	1.8 J	ND
Cobalt	70	1.1 J	0.5 J	0.4 J	0.4 J	1.2 J	0.4 J	1.1 J	0.5 J	ND
Copper	1,000	1.4 B	1.5 B	0.7 B	0.5 B	1.0 B	0.5 B	1.0 B	1.2 B	1.1 J
Lead	15	3.5 J	1.5 J	0.9 J	0.4 B	0.7 J	0.4 B	0.5 B	1.4 J	0.1 J
Nickel	100	2 J	1.6 J	5 J	4.8 J	1.9 J	2.9 J	8.4 J	1.1 J	0.2 J
Selenium	50	0.2 B	ND	2.8 B	2.4 B	5 B	ND	4.5 B	1.2 B	1.9 J
Silver	17.5	0.1 B	0.1 B	0.1 B	ND	ND	ND	0.1 B	ND	0.1 J
Thallium	0.28	0.2 J	ND	0.1 J	ND	0.1 J	ND	ND	ND	ND
Vanadium	3.5	4.2 J	2.1 J	3.3 J	1.9 J	1 B	1.7 J	2 J	2.7 J	0.2 J
Zinc	1,050	6.8 J	6.6 J	7.8 J	3.8 J	8.7 J	3.0 J	415	6.8 J	0.4 J
Zinc (Resample)	1,050	NS	NS	NS	NS	NS	NS	86	NS	NA

1. NS = Not sampled.
2. NA = Not available.
3. ND = Not detected.

The inorganic analytical results from the October 2008 groundwater sampling event and December 2008 resampling event at the Closed Interim Regional Landfill are summarized in the Table 6 and field parameters are summarized on the Table 7 of this report. The results, as reported by the laboratory, the laboratory quality assurance/quality control information, and the chain of custody records are included in Appendix 1. Zinc was considered to be a statistically significant increase above background level in IRL-5S from samples collected during the October 2008 sampling event. Samples analyzed from the December 2008 resampling event

indicated zinc concentrations below background levels. None of the detected inorganic constituents exceeded the NC 2L or Groundwater Protection Standards.

5.3.2 Long-Term Regional Landfill

Background concentrations were determined as discussed in Section 5.2 and are detailed in the Appendix 2. The following inorganic and organic constituents were detected during the October 2008 sampling event. All concentrations are reported in micrograms per liter (µg/L). Concentrations with a "J" are considered to be estimated. Concentrations with a "B" are considered to be attributed to lab or field contamination.

Constituent	NC2L/ GWPS	Background		Downgradient								Blanks
		MW-12S	MW-12D	MW-7	MW-8	MW-10	MW-11S	MW-11D	MW-13S	MW-13D	MW-14R	
Antimony	1.4	0.1 J	ND	0.9 J	0.2 J	0.1 J	ND	ND	ND	ND	ND	ND
Arsenic	50	1 B	0.8 B	2.4 B	5.3 J	3.1 J	0.4 B	0.2 B	1.3 B	0.5 B	0.7 B	0.5 J
Barium	2,000	85.2 J	30.9 J	115	80.3 J	55.1 J	111	37.9 J	51.1 J	37.9 J	50.7 J	0.7 J
Beryllium	4	0.9 J	0.1 J	0.4 J	0.8 J	0.3 J	1.2 J	0.1 J	0.4 J	ND	0.3 J	ND
Cadmium	1.75	0.2 J	0.2 J	0.3 J	0.2 J	0.1 J	0.3 J	0.2 J	0.5 J	0.1 J	0.2 J	ND
Chromium	50	ND	0.7 J	7.9 J	9.5 J	0.9 J	0.7 J	ND	0.9 J	0.4 J	3.1 J	ND
Cobalt	70	2.8 J	0.2 J	0.8 J	1 J	0.5 J	2.8 J	0.1 J	0.4 J	0.2 J	0.7 J	ND
Copper	1,000	1.1 B	0.8 B	2.1 B	1.7 B	0.9 B	0.8 B	0.3 B	1.5 B	0.9 B	2.8 B	1.1 J
Lead	15	0.3 B	0.4 B	7.2 J	8 J	1.3 J	1.1 J	0.1 B	0.8 J	0.5 B	2.5 J	0.1 J
Nickel	100	3.5 J	2.7 J	4 J	2.2 J	1 B	4.9 J	2 J	1.1 J	2.0 J	1.6 J	0.2 J
Selenium	50	3.1 B	ND	0.9 B	0.3 B	0.7 B	0.5 B	ND	0.6 B	ND	0.6 B	1.9 J
Silver	17.5	0.1 B	ND	0.1 B	0.1 B	ND	ND	ND	0.1 B	0.1 B	ND	0.1 J
Thallium	0.28	0.1 J	0.1 J	0.2 J	0.1 J	ND	ND	ND	0.1 J	ND	0.1 J	ND
Vanadium	3.5	0.4 B	1.0 B	14.1 J	14 J	3.1 J	1.9 J	0.4 B	1.5 J	0.9 B	3.9 J	0.2 J
Zinc	1,050	20	15	22	11	5.8 J	7.6 J	3.8 J	13	8.3 J	17	0.4 J
Acetone	700	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.30 J
Chloromethane	2.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.20 J	ND
Methylene Chloride	4.6	ND	ND	0.20 J	0.20 J	0.20 J	0.20 J	0.20 J	ND	ND	ND	ND

* ND = Not detected.

The inorganic and organic analytical results from the October 2008 groundwater sampling event at the Long-Term Regional Landfill are summarized in the Table 8 and field parameters are summarized on the Table 9 of this report. The results, as reported by the laboratory, the laboratory quality assurance/quality control information, and the chain of custody records are included in the Appendix 1. There were no statistically significant increases during the October 2008 sampling event. None of the detected inorganic or organic constituents exceeded the NC 2L or Groundwater Protection Standards.

5.3.3 Leachate Storage Lagoon Area

Background concentrations were determined as discussed in Section 5.2 and detailed in the Appendix 2. The following inorganic and organic constituents were detected during the October 2008 sampling event. All concentrations are reported in micrograms per liter (µg/L).

Concentrations with a "J" are considered to be estimated. Concentrations with a "B" are considered to be attributed to lab or field contamination.

Constituent	NC2L/ GWPS	Background	Downgradient							Blanks
		LST-5S	LST-1S	LST-1D	LST-2S	LST-3S	LST-4S	LST-5D	LST-6S	
Antimony	1.4	0.6 J	ND	0.2 J	ND	0.4 J	0.1 J	0.2 J	0.1 J	ND
Arsenic	50	0.9 J	0.7 J	1.0 J	1.8 J	1.7 J	3.1 J	0.8 J	1.5 J	ND
Barium	2,000	34 J	53.5 J	47.6 J	64.8 J	158	66.2 J	71.8 J	84.8 J	0.2 J
Beryllium	4	0.1 J	0.5 J	0.1 J	0.6 J	1.0	0.6 J	0.3 J	0.4 J	ND
Cadmium	1.75	0.1 J	0.3 J	0.3 J	0.1 J	0.4 J	0.2 J	0.1 J	0.1 J	ND
Chromium	50	3.9 J	5.4 J	1.3 J	8.8 J	3.1 J	7.7 J	1.7 J	9.2 J	ND
Cobalt	70	0.3 J	0.7 J	0.7 J	0.8 J	6.6 J	1.8 J	0.5 J	0.8 J	ND
Copper	1,000	1.6 B	2.2 J	1.1 B	2.6 J	1.9 B	1.9 B	1.2 B	2.3 J	0.4 J
Lead	15	2.5 J	4 J	0.6 J	8.5 J	11	9.5 J	1 J	12	0.1 J
Nickel	100	1.4 B	1.4 B	3.3 J	1.5 B	8 J	2.7 J	3.3 J	1.9 J	0.3 J
Selenium	50	0.3 J	0.8 J	ND	0.3 J	0.3 J	0.2 J	0.2 J	0.2 J	ND
Silver	17.5	ND	0.1 J	ND	ND	0.1 J	0.1 J	0.1 J	0.1 J	ND
Thallium	0.28	0.1 J	0.1 J	ND	0.1 J	0.1 J	0.1 J	ND	0.2 J	ND
Vanadium	3.5	6.5 J	6.9 J	1.6 J	11.7 J	4.5 J	10.3 J	2 J	14.8 J	0.2 J
Zinc	1,050	18	8 J	6 J	11	35	15	7.5 J	144	0.9 J
Chloromethane	2.6	ND	ND	ND	ND	ND	0.20 J	ND	ND	ND
Methylene Chloride	4.6	ND	0.30 J	ND	ND	ND	ND	ND	ND	ND

*ND = Not detected.

The inorganic and organic analytical results from the October 2008 sampling event at the Leachate Storage Lagoon Area are summarized in the Table 10 and field parameters are summarized on the Table 11 of this report. The results, as reported by the laboratory, the laboratory quality assurance/quality control information, and the chain of custody records are included in the Appendix 1 of this report. None of the detected inorganic or organic constituents exceeded the NC 2L or Groundwater Protection Standards.

5.3.4 Surface Water

The following inorganic and organic constituents were detected during the October 2008 sampling event. All concentrations are reported in micrograms per liter (µg/L). Concentrations with a "J" are considered to be estimated. Concentrations with a "B" are considered to be attributed to lab or field contamination.

Constituent	NC2B/EPA National Criteria	Upstream	Downstream			Blanks
		SWPT-1	SWPT-2	UD-1	UD-2	
Antimony	NE	0.2 J	0.3 J	ND	{0.1 J}	ND {ND}
Arsenic	50	0.8 B	9.7 J	0.9 B	1.3 B	0.5 J
Barium	NE	30.8 J	122	36.9 J	93.6 J	0.7 J
Beryllium	6.5	ND	0.1 J	ND	ND	ND
Cadmium	2	0.1 J	0.3 J	ND	ND	ND
Chromium	50	0.3 J	13	0.2 J	0.4 J	ND
Cobalt	2.5	0.3 J	4.6 J	0.3 J	0.9 J	ND
Copper	7	0.8 B	3 B	0.7 B	1.4 B	1.1 J
Lead	25	0.4 B	3.8 J	0.2 B	0.1 B	0.1 J
Nickel	88	3.8 J	14.6 J	2.2 J	7 J	0.2 J
Selenium	5	0.7 B	ND	0.6 B	3.3 B	1.9 J
Silver	0.06	0.1 B	0.1 B	0.1 B	0.1 B	0.1 J
Thallium	NE	ND	0.1 J	ND	ND	ND
Vanadium	NE	0.5 B	8.7 J	1.2 J	0.5 B	0.2 J
Zinc	50	27	25	4.1 J	1.5 B	0.4 J
Acetone	2,000	1.80 B	3.70 B	1.60 B	2.10 B	1.30 J
2-Butanone	160,000	1.20 J	ND	ND	ND	ND
Chloromethane	NE	0.20 J	0.20 J	ND	ND	ND
Methylene Chloride	NE	0.20 J	0.20 J	0.20 J	0.20 J	ND

1. ND = Not detected.
2. NE =Not established.
3. { } = Samples assigned a different Equipment Blank set contain Equipment Blank concentrations higher than the Trip and/or Method Blanks.

The analytical results from the surface water October 2008 sampling event at the CRSWMA landfills are summarized in the Table 12 and field parameters are summarized on the Table 13. The results, as reported by the laboratory, the laboratory quality assurance/quality control information, and the chain of custody records are included in the Appendix 1 of this report. No inorganic or organic constituents were detected above the North Carolina 2B Surface Water Standards or National Criteria per EPA.

5.3.5 Leachate

The following inorganic and organic constituents were detected in leachate during the October 2008 sampling event. All concentrations are reported in micrograms per liter (µg/L). Concentrations with a "J" are considered to be estimated. Concentrations with a "B" are considered to be attributed to lab or field contamination.

Constituent	Leachate	Blanks
Antimony	8.8	ND
Arsenic	66	0.5 J
Barium	868	0.7 J
Beryllium	0.2 J	ND
Cadmium	3.6	ND
Chromium	72	ND
Cobalt	15	ND
Copper	6.5 J	1.1 J
Lead	1.1 J	0.1 J
Nickel	81	0.2 J
Selenium	ND	1.9 J

Table Continues on Next Page

Constituent	Leachate	Blanks
Silver	0.7 J	0.1 J
Vanadium	18.5 J	0.2 J
Zinc	20	0.4 J
Acetone	237.00	1.30 J
Benzene	1.80	ND
Chlorobenzene	0.90 J	ND
Cis-1,2-Dichloroethylene	1.40 J	ND
1,2-Dichloroethane	0.20 J	ND
2-Butanone	166.00	ND
Methylene Chloride	0.20 J	ND
1,2-Dichlorobenzene	0.90 J	ND
1,4-Dichlorobenzene	13.40	ND
Trichloroethylene	0.50 J	ND
Ethylbenzene	105.00	ND
Toluene	24.00	ND
4-Methyl-2-Pentanone	230.00	ND
Xylenes	61.70	ND

*ND = Not detected.

The analytical results from the October 2008 leachate sampling event at the CRSWMA landfills are summarized in the Table 14 of this report. The results, as reported by the laboratory, the laboratory quality assurance/quality control information, and the chain of custody records, are included in the Appendix 1 of this report.

6.0 CONCLUSION

Based on the analytical results from the October 2008 sampling event, zinc detected in monitoring well IRL-5S was considered to be a statistically significant increase above background levels. Monitoring well IRL-5S was resampled in December and analytical results indicated zinc was below background levels. No additional inorganic or organic constituents were considered to be detected at statistically significant levels above calculated background concentrations at the Leachate Storage Lagoon Area, Interim Regional Landfill, and Long-Term Regional Landfill. In addition, no constituents were considered to be in exceedence of North Carolina 2L Groundwater Standards, Groundwater Protection Standards, North Carolina 2B Surface Water Standards, or National Criteria per EPA for surface water. Therefore, the results of the second semiannual monitoring event of 2008 indicate that the Coastal Regional Solid Waste Management Authority's Tuscarora Interim Regional Landfill and Long-Term Regional Landfill shall remain in the Detection Monitoring Program. The next semiannual monitoring event is scheduled for April 2009.

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Tables

Table 1	Summary of Groundwater Elevations: Tuscarora Interim Regional Landfill
Table 2	Summary of Groundwater Elevations: Tuscarora Long-Term Regional Landfill
Table 3	Summary of Groundwater Elevations: Leachate Storage Lagoon Area
Table 4	Estimated Hydraulic Gradients and Average Linear Velocities for the Shallow Aquifer
Table 5	Estimated Hydraulic Gradients and Average Linear Velocities for the Deep Aquifer
Table 6	Summary of Historical Groundwater Constituents: Tuscarora Interim Regional Landfill
Table 7	Summary of Field Parameters: Tuscarora Interim Regional Landfill
Table 8	Summary of Historical Groundwater Constituents: Tuscarora Long-Term Regional Landfill
Table 9	Summary of Field Parameters: Tuscarora Long-Term Regional Landfill
Table 10	Summary of Historical Groundwater Constituents: Leachate Storage Lagoon Area
Table 11	Summary of Field Parameters: Leachate Storage Lagoon Area
Table 12	Summary of Historical Surface Water Constituents
Table 13	Summary of Field Parameters: Surface Water
Table 14	Summary of Historical Constituents: Leachate

TABLE 1

SUMMARY OF GROUNDWATER ELEVATIONS
TUSCARORA INTERIM REGIONAL LANDFILL

	Background		Downgradient								
Well No.	**IRL-1S**	**IRL-1D**	**IRL-2DA**	**IRL-3S**	**IRL-3D**	**IRL-4S**	**IRL-4D**	**IRL-5S**	**IRL-5D**	**MW-A**	**PZ-Z**
Well TOC Elev.	50.56	50.19	51.58	49.02	48.93	48.34	48.35	48.78	48.66	46.04	49.52
Well Depth	17.73	45.20	30.95	16.40	39.22	14.99	34.64	14.62	35.42	20.40	32.35
Jul-93	46.57	36.02	NI	38.68	34.26	43.13	34.24	40.19	34.73	NI	NI
Aug-93	44.94	35.46	NI	38.57	33.68	42.02	33.54	39.58	34.13	NI	NI
Sep-93	44.29	34.70	NI	38.42	32.97	41.77	33.01	39.50	33.39	NI	NI
Sep-93	45.07	34.42	NI	38.85	32.58	41.33	32.69	39.51	33.07	NI	NI
Apr-94	45.55	38.93	NI	37.74	37.27	39.48	37.33	37.95	37.79	NI	NI
Oct-94	44.90	35.97	NI	37.84	34.38	38.54	34.39	37.52	34.86	NI	NI
Apr-95	45.50	38.73	NI	38.02	37.15	38.82	37.16	37.56	37.60	NI	NI
Oct-95	45.12	35.41	NI	37.11	34.06	38.79	34.05	37.41	34.44	NI	NI
Apr-96	46.60	40.25	NI	38.98	38.82	38.58	38.83	37.51	39.28	NI	NI
Oct-96	46.12	NS	NI	37.88	39.01	38.52	39.06	37.29	NS	NI	NI
Dec-96	47.26	40.19	NI	38.12	38.73	37.94	38.85	37.28	39.26	NI	NI
Apr-97	45.35	NS	NI	37.71	37.50	38.82	37.54	37.30	NS	NI	NI
Mar-97	46.65	40.46	NI	37.67	39.00	38.70	39.03	37.40	39.48	NI	NI
Oct-97	43.40	NS	NI	37.68	NS	38.18	32.92	37.04	NS	NI	NI
Apr-98	46.18	NS	NI	38.05	38.57	38.51	38.62	37.52	NS	NI	NI
Oct-98	44.11	36.69	NI	37.52	35.32	37.78	35.38	37.23	35.79	NI	NI
Mar-99	46.10	NS	NI	38.35	37.95	38.35	37.99	38.18	38.39	NI	NI
Jul-99	43.89	36.25	NI	38.31	35.06	39.37	35.10	38.92	35.47	NI	NI
Aug-99	43.27	34.79	NI	38.18	33.34	39.37	33.41	38.96	33.75	NI	NI
Oct-99	47.38	40.16	NI	41.56	38.75	40.85	38.80	40.21	39.20	NI	NI
Nov-99	45.52	39.56	NI	38.70	38.16	39.21	38.23	39.29	38.65	NI	NI
Apr-00	45.71	39.77	NI	39.54	38.35	39.61	38.45	39.34	38.84	NI	NI
Oct-00	44.52	38.90	NI	39.76	37.43	39.46	37.52	39.45	37.94	NI	NI
Apr-01	46.00	39.96	40.19	40.15	38.62	40.11	38.69	39.59	39.06	40.98	40.93
Oct-01	43.36	36.31	37.28	38.61	35.03	38.97	35.08	39.89	35.46	38.76	38.56
Apr-02	44.88	38.85	39.20	39.02	37.53	39.66	37.60	39.42	37.99	39.69	41.43
Oct-02	44.93	34.93	35.38	39.22	33.76	40.23	33.87	39.79	34.21	39.78	37.70
Apr-03	46.28	40.03	40.35	39.75	38.65	42.03	38.73	40.62	39.16	40.41	40.63
Oct-03	46.72	40.36	40.67	40.21	38.97	41.68	39.03	40.83	39.46	40.93	41.70
15-Apr-04	47.23	39.69	40.05	40.72	38.33	41.40	38.44	40.54	38.83	40.94	41.25
14-Oct-04	44.14	39.23	38.60	40.21	37.88	40.27	37.96	40.10	38.41	39.98	40.74
5-Apr-05	44.81	NS	40.33	40.21	38.56	40.13	38.66	39.92	39.12	37.79	41.27
27-Oct-05	46.74	NS	41.01	40.88	39.18	41.16	39.31	40.44	39.70	40.67	42.03
21-Apr-06	44.90	39.71	39.89	40.41	38.23	40.31	38.35	40.07	38.77	40.15	41.10
12-Oct-06	45.45	39.71	40.00	39.80	38.28	40.86	38.37	40.18	38.79	40.58	41.01
26-Apr-07	45.01	39.44	39.85	39.85	38.13	40.32	38.22	40.08	38.66	40.29	40.80
10-Oct-07	40.44	33.90	34.20	39.19	32.54	39.06	32.65	39.05	33.02	38.21	36.30
2-Apr-08	45.39	38.21	38.64	40.08	37.08	39.79	37.17	39.54	37.49	40.03	38.67
28-Oct-08	42.22	35.12	36.03	40.24	34.70	39.69	34.76	39.27	34.93	39.88	38.53

NOTES:
1. All elevations are referenced to mean sea level.
2. NS = Not sampled and groundwater depths not measured.
3. NI = Well/Piezometer not installed.
4. Elevations are measured in feet.

TABLE 2

SUMMARY OF GROUNDWATER ELEVATIONS
TUSCARORA LONG-TERM REGIONAL LANDFILL

	Background		Downgradient							
Well No.	**MW-12S**	**MW-12D**	**MW-7**	**MW-8**	**MW-10**	**MW-11S**	**MW-11D**	**MW-13S**	**MW-13D**	**MW-14R**
Well TOC Elev.	52.12	51.90	50.69	50.94	47.32	47.67	47.55	46.21	45.93	46.98
Well Depth	35.95	17.96	16.22	15.61	15.95	14.03	34.73	15.00	33.00	14.00
Jul-99	NI	NI	46.76	46.16	44.60	38.94	36.60	NI	NI	NI
Aug-99	NI	NI	45.10	44.41	43.13	39.19	34.87	NI	NI	NI
Oct-99	NI	NI	46.94	46.08	43.34	40.79	40.34	NI	NI	NI
Nov-99	NI	NI	46.19	44.13	42.34	38.85	39.71	NI	NI	NI
Apr-00	NI	NI	46.96	45.66	42.96	39.04	39.93	NI	NI	NI
Oct-00	NI	NI	45.79	43.94	42.30	38.74	39.05	NI	NI	NI
Apr-01	NI	NI	47.33	45.62	43.60	39.37	40.16	NI	NI	NI
Oct-01	NI	NI	44.81	42.99	41.57	38.92	35.41	NI	NI	NI
Apr-02	43.69	40.78	43.86	44.74	43.10	39.39	39.09	NI	NI	NI
Oct-02	45.15	36.77	45.18	44.19	41.28	39.49	35.26	NI	NI	NI
Apr-03	45.77	42.00	47.26	45.74	43.27	40.40	40.24	NI	NI	NI
Oct-03	46.32	42.32	47.98	46.34	42.64	41.67	40.44	NI	NI	NI
15-Apr-04	46.79	41.70	47.78	46.47	43.40	41.57	38.78	43.27	38.93	NI
14-Oct-04	45.16	41.09	46.69	45.04	43.09	40.29	39.53	41.28	38.41	NI
5-Apr-05	44.54	41.89	47.05	44.88	43.29	40.28	40.18	43.29	39.19	NI
27-Oct-05	45.51	42.62	47.16	46.12	42.63	41.93	40.81	44.51	39.82	NI
21-Apr-06	45.43	41.59	47.12	46.02	43.53	40.37	39.89	43.17	38.82	NI
12-Oct-06	45.70	41.72	47.20	46.27	43.05	40.85	39.87	44.03	38.79	NI
26-Apr-07	45.52	41.49	47.06	45.66	43.34	41.06	39.74	43.01	38.59	NI
11-Oct-07	42.18	35.60	43.67	43.94	41.35	39.98	34.08	41.19	33.02	39.25
3-Apr-08	44.74	39.14	45.99	45.68	42.42	38.85	38.47	44.00	37.32	42.10
28-Oct-08	44.67	35.23	44.56	45.67	41.58	38.95	35.90	44.07	34.59	42.13

NOTES:
1. All elevations are referenced to mean sea level.
2. NI = Well/Piezometer not installed.
3. Elevations are measured in feet.

TABLE 3

SUMMARY OF GROUNDWATER ELEVATIONS
LEACHATE STORAGE LAGOON AREA

	Background	Downgradient										
Well No.	**LST-5S**	**LST-1S**	**LST-1D**	**LST-2S**	**LST-2D**	**LST-3S**	**LST-3D**	**LST-4S**	**LST-4D**	**LST-5D**	**LST-6S**	**LST-6D**
Well TOC Elev.	52.37	50.92	50.92	51.00	50.94	52.17	51.87	51.38	51.56	52.27	51.23	51.17
Well Depth	16.12	15.32	34.99	14.59	33.25	17.93	34.69	17.85	36.16	39.11	16.61	34.31
Jul-93	47.21	47.48	36.53	46.95	36.79	47.01	36.85	47.12	37.02	36.68	47.11	37.42
Aug-93	46.38	45.92	35.80	45.71	35.98	45.79	35.98	45.89	36.19	35.86	45.82	36.74
Sep-93	45.91	45.54	35.03	45.63	35.48	45.04	35.27	44.25	34.96	34.37	44.94	35.87
Sep-93	45.93	45.74	34.47	45.35	34.66	45.23	35.08	45.49	34.94	33.67	45.29	35.28
Apr-94	46.71	46.78	37.59	46.29	34.59	45.72	38.01	46.18	39.81	37.16	46.41	40.16
Oct-94	46.14	45.99	36.41	46.00	36.64	45.65	36.63	45.41	36.76	36.47	44.52	37.17
Apr-95	46.92	46.43	39.16	46.39	39.40	46.06	39.42	45.91	39.57	39.26	45.94	39.95
Oct-95	45.86	46.89	35.72	46.06	35.95	45.90	35.95	45.77	36.11	35.83	43.70	36.32
Apr-96	47.56	47.25	40.74	47.23	41.00	46.88	40.91	46.87	41.05	40.84	47.41	41.51
Oct-96	46.88	46.42	40.93	46.81	NS	46.38	NS	46.48	NS	41.05	48.06	NS
Dec-96	46.87	47.62	40.62	47.10	40.94	47.07	40.87	46.08	41.06	40.77	47.73	41.37
Apr-97	46.97	46.40	39.40	46.37	NS	46.05	NS	45.97	NS	39.51	45.89	NS
Mar-97	47.99	47.92	40.88	47.49	41.11	47.12	41.13	47.01	41.28	40.98	47.56	41.63
Oct-97	45.21	45.43	34.80	44.19	NS	45.03	NS	45.06	NS	34.83	44.09	NS
Apr-98	47.20	46.67	40.47	46.47	NS	46.54	NS	46.56	NS	40.54	46.30	41.63
Oct-98	44.65	43.89	37.00	44.10	37.19	44.44	37.22	44.42	37.35	37.06	42.24	37.57
Mar-99	46.50	45.92	39.73	46.00	39.95	46.54	40.00	46.73	40.11	39.81	45.88	40.45
Jul-99	45.86	45.34	37.48	45.37	36.64	45.53	36.75	45.33	36.80	36.55	41.58	36.96
Aug-99	44.90	45.07	34.78	45.30	34.95	45.29	35.05	45.12	35.11	34.84	40.70	35.26
Oct-99	46.97	46.37	40.52	46.86	40.76	47.97	40.85	47.96	40.94	40.62	46.35	41.24
Nov-99	45.85	45.44	39.94	45.51	40.18	46.35	40.20	45.22	40.38	40.06	44.58	40.62
Apr-00	46.87	45.97	40.09	46.04	40.35	46.50	40.42	46.39	40.56	40.27	45.59	40.82
Oct-00	45.34	44.92	39.27	45.10	39.50	45.38	39.54	45.28	39.71	40.37	43.57	39.98
Apr-01	46.85	46.11	40.30	46.14	40.49	46.37	40.56	46.27	40.65	40.39	44.93	40.95
Oct-01	45.22	44.58	36.62	44.79	36.76	44.92	36.87	44.82	36.90	36.72	42.23	37.22
Apr-02	46.47	45.97	39.22	45.98	39.43	46.07	39.51	45.93	39.64	39.29	44.25	39.93
Oct-02	45.97	45.61	35.22	45.57	35.39	45.72	35.44	45.39	35.56	35.27	42.22	35.85
Apr-03	47.04	46.33	40.39	46.37	40.61	46.61	40.68	46.66	40.80	40.51	45.38	41.11
Oct-03	47.21	46.52	40.71	46.76	40.95	46.99	41.02	47.18	41.15	40.83	45.78	41.42
15-Apr-04	47.38	46.62	40.08	46.82	40.30	47.38	40.35	47.75	40.52	40.17	45.91	40.78
14-Oct-04	46.37	45.72	39.58	44.82	39.76	45.76	39.87	45.68	39.95	39.67	44.48	40.22
5-Apr-05	46.35	46.02	40.37	46.03	40.56	46.17	40.60	46.00	40.73	40.45	44.99	40.99
27-Oct-05	46.86	42.38	41.01	46.39	41.23	46.99	41.18	47.50	41.05	41.10	45.55	41.75
21-Apr-06	46.41	46.05	40.07	45.98	40.27	46.05	40.33	45.93	40.41	40.24	44.56	40.75
12-Oct-06	46.92	46.51	40.11	46.38	40.36	46.49	40.43	46.40	40.58	40.24	44.95	40.88
26-Apr-07	46.52	46.05	39.67	45.99	39.78	46.17	40.07	46.03	40.29	39.76	44.93	40.59
10-Oct-07	43.46	43.34	34.12	42.53	34.24	41.99	34.31	41.81	34.44	34.15	41.90	34.70
3-Apr-08	46.54	46.17	38.12	46.00	38.20	46.42	38.31	46.28	38.42	38.23	44.77	38.48
28-Oct-08	45.96	45.99	34.75	45.66	34.71	45.28	34.85	45.13	34.87	34.83	43.99	34.58

NOTES:
1. All elevations are referenced to mean sea level.
2. NS = Not sampled groundwater depths not measured.
3. Elevations are measured in feet.

TABLE 4

ESTIMATED HYDRAULIC GRADIENTS AND AVERAGE LINEAR VELOCITIES FOR THE SHALLOW AQUIFER

			October 2008				
GRADIENT CALCULATION SEGMENT	FLOW LINE LENGTH (feet)	FLOW DIRECTION	GROUND-WATER ELEV. (feet)	HORIZ. GRADIENT, i (ft/ft)	HYDRAULIC CONDUCTIVITY, K (ft/day)	EFFECTIVE POROSITY n	LINEAR VELOCITY, V (ft/day)
i_1	572	E	45 42	0.0052	5.67E-01	0.17	0.018
i_2	1205	SE	45 39	0.0050	5.67E-01	0.17	0.017
i_3	2283	S-SE	45 39	0.0026	5.67E-01	0.17	0.009
			Average	0.0043		Average	0.014

Notes:
1. The hydraulic conductivity value used to calculate flow velocity was determined by using the geometric mean of hydraulic conductivities of all shallow aquifer monitoring wells listed in Table 6 of the *CRSWMA Tuscarora Long-Term Regional Landfill Phase 2 Expansion, Application for a Permit to Construct* by Joyce Engineering, Inc. (Revised January 2004).
2. Velocity = Ki/n; assume homogeneous isotropic porous aquifer.
3. An effective porosity (n) of 0.17 was assumed in the velocity calculations based on site-specific soil laboratory data.

TABLE 5

ESTIMATED HYDRAULIC GRADIENTS AND AVERAGE LINEAR VELOCITIES FOR THE DEEP AQUIFER

			October 2008				
GRADIENT CALCULATION SEGMENT	FLOW LINE LENGTH (feet)	FLOW DIRECTION	GROUND-WATER ELEV. (feet)	HORIZ. GRADIENT, i (ft/ft)	HYDRAULIC CONDUCTIVITY, K (ft/day)	EFFECTIVE POROSITY n	LINEAR VELOCITY, V (ft/day)
i_4	620	N-NE	36 35	0.0016	5.39E+00	0.25	0.035
i_5	1148	SE	38 35	0.0026	5.39E+00	0.25	0.056
i_6	620	N-NW	38 35	0.0048	5.39E+00	0.25	0.104
			Average	0.0030		Average	0.065

Notes:

1. The hydraulic conductivity value used to calculate flow velocity was determined by using the geometric mean of hydraulic conductivities of all deep aquifer monitoring wells listed in Table 7 of the *CRSWMA Tuscarora Long-Term Regional Landfill Phase 2 Expansion, Application for a Permit to Construct* by Joyce Engineering, Inc. (Revised January 2004).
2. Velocity = Ki/n; assume homogeneous isotropic porous aquifer.
3. An effective porosity (n) of 0.25 was assumed in the velocity calculations based on site-specific soil laboratory data.

TABLE 6

SUMMARY OF HISTORICAL GROUNDWATER CONSTITUENTS
TUSCARORA INTERIM REGIONAL LANDFILL

Constituent	Date	DL	RL	Concentrations (ug/L)																															
				Background				Downgradient																											
				IRL-1S		IRL-1D		IRL-2S	IRL-2SA	IRL-2D	IRL-3S		IRL-3D		IRL-4S		IRL-4D		IRL-5S		IRL-5D	IRL-6S	IRL-6D	MW-A		MW-B	Blanks	
Antimony	10-Oct-07	0.05	6.0	0.1	B	0.1	B	AB	NI	AB	0.1	B	0.5	B	0.1	B	0.1	B	0.1	B	WL	AB	AB	0.1	B	WL	0.1	J
GWPS = 1.4 ug/L (10/23/07)	2-Apr-08	0.08	6.0	0.5	B	ND		AB	NI	AB	ND		ND		ND		ND		ND		WL	AB	AB	ND		WL	0.1	J
	28-Oct-08	0.08	6.0	0.1	J	0.1	J	AB	NI	AB	0.5	J	0.1	J	ND		0.1	J	0.1	J	WL	AB	AB	ND		WL	ND	
Arsenic	Jul-93	NR	5	11		8		ND	NI	ND	ND		ND		ND		22		ND		34	11	ND	NI		NI	ND	
	Aug-93	NR	5	6		ND		ND	NI	ND	ND		ND		ND		ND		ND		ND	6	ND	NI		NI	ND	
	Sep-93	NR	5	ND		ND		ND	NI	ND	ND		ND		ND		6		ND		ND	ND	ND	NI		NI	ND	
	Sep-93	NR	5	6		10		ND	NI	ND	ND		ND		ND		168		ND		ND	ND	ND	NI		NI	ND	
	Apr-94	NR	5	ND		ND		ND	NI	ND	ND		ND		ND		ND		ND		ND	ND	ND	NI		NI	ND	
	Oct-94	NR	10	ND		ND		ND	NI	ND	ND		ND		ND		ND		ND		ND	ND	ND	NI		NI	ND	
	Apr-95	NR	10	ND		ND		ND	NI	ND	ND		ND		ND		ND		ND		ND	ND	ND	NI		NI	ND	
	Oct-95	NR	10	ND		ND		ND	NI	ND	ND		ND		ND		ND		ND		ND	ND	ND	NI		NI	ND	
	Apr-96	NR	10	ND		ND		ND	NI	ND	ND		ND		ND		ND		ND		ND	ND	ND	NI		NI	ND	
	Oct-96	NR	10	ND		NS		ND	NI	AB	ND		ND		ND		ND		ND		WL	ND	AB	NI		NI	ND	
	Apr-97	NR	10	ND		NS		ND	NI	AB	ND		ND		ND		ND		ND		WL	ND	AB	NI		NI	ND	
	Oct-97	NR	10	ND		NS		ND	NI	AB	ND		ND		ND		ND		ND		WL	ND	AB	NI		NI	ND	
	Apr-98	NR	10	ND		NS		ND	NI	AB	ND		ND		ND		ND		10		WL	14	AB	NI		NI	ND	
	Oct-98	NR	10	ND		NS		ND	NI	AB	ND		ND		ND		ND		ND		WL	AB	AB	NI		NI	ND	
	Mar-99	NR	10	ND		NS		ND	NI	AB	ND		ND		ND		ND		ND		WL	AB	AB	NI		NI	ND	
	Oct-99	NR	10	ND		NS		AB	NI	AB	ND		ND		ND		ND		ND		WL	AB	AB	NI		NI	ND	
	Apr-00	NR	10	ND		NS		AB	NI	AB	ND		ND		ND		ND		ND		WL	AB	AB	NI		NI	ND	
	Oct-00	NR	10	ND		NS		AB	NI	AB	ND		ND		ND		ND		ND		WL	AB	AB	NI		NI	ND	
	Apr-01	NR	10	ND		NS		AB	ND	AB	ND		ND		ND		ND		ND		WL	AB	AB	NS		NS	ND	
	Oct-01	NR	10	ND		NS		AB	ND	AB	ND		ND		ND		ND		ND		WL	AB	AB	NS		NS	ND	
	Apr-02	NR	10	ND		NS		AB	ND	AB	ND		ND		ND		ND		ND		WL	AB	AB	ND		ND	ND	
	Oct-02	NR	10	ND		NS		AB	ND	AB	ND		ND		ND		ND		ND		WL	AB	AB	ND		ND	ND	
	Apr-03	NR	10	ND		NS		AB	ND	AB	ND		ND		ND		ND		ND		WL	AB	AB	ND		ND	ND	
	Oct-03	NR	10	ND		NS		AB	ND	AB	ND		ND		ND		ND		ND		WL	AB	AB	ND		ND	ND	
	15-Apr-04	NR	10	ND		NS		AB	ND	AB	ND		ND		ND		ND		ND		WL	AB	AB	ND		ND	ND	
	14-Oct-04	NR	10	ND		NS		AB	ND	AB	ND		ND		ND		ND		ND		WL	AB	AB	ND		ND	ND	
	5-Apr-05	NR	10	ND		NS		AB	WL	AB	ND		ND		ND		ND		ND		WL	AB	AB	ND		WL	ND	
	5-Oct-05	NR	10	ND		52		AB	WL	AB	ND		ND		ND		ND		ND		WL	AB	AB	ND		WL	ND	
	21-Apr-06	NR	10	ND		ND		AB	WL	AB	ND		ND		ND		ND		ND		WL	AB	AB	ND		WL	ND	
	12-Oct-06	NR	10	ND		ND		AB	WL	AB	ND		ND		ND		ND		ND		WL	AB	AB	ND		WL	ND	
	26-Apr-07	NR	10	ND		ND		AB	WL	AB	ND		ND		ND		ND		ND		WL	AB	AB	ND		WL	ND	
	10-Oct-07	0.47	10.0	3.0	J	ND		AB	WL	AB	2.3	J	ND		1.6	J	0.7	J	1.2	J	WL	AB	AB	2.0	J	WL	ND	
NC 2L = 50 ug/L (10/23/07)	2-Apr-08	0.07	10.0	0.8	J	0.8	J	AB	WL	AB	0.4	J	0.4	J	1.7	J	0.4	J	2.2	J	WL	AB	AB	1.2	J	WL	ND	
	28-Oct-08	0.07	10.0	1	B	1.6	B	AB	WL	AB	1.7	B	1	B	2	B	0.5	B	4.3	J	WL	AB	AB	5	J	WL	0.5	J
Barium	Jul-93	NR	50	268		343		302	NI	188	296		189		202		580		280		365	785	182	NI		NI	ND	
	Aug-93	NR	50	122		252		109	NI	210	248		110		110		125		294		116	96	54	NI		NI	ND	
	Sep-93	NR	50	113		105		107	NI	125	159		166		91		215		181		80	70	ND	NI		NI	ND	
	Sep-93	NR	50	109		212		152	NI	204	200		145		143		-		250		137	75	87	NI		NI	ND	
	Apr-94	NR	50	73		131		97	NI	113	83		86		103		65		309		73	ND	ND	NI		NI	ND	
	Oct-94	NR	500	ND		ND		ND	NI	ND	ND		ND		ND		ND		ND		ND	ND	ND	NI		NI	ND	
	Apr-95	NR	500	ND		ND		ND	NI	ND	ND		ND		ND		ND		ND		ND	ND	ND	NI		NI	ND	
	Oct-95	NR	500	ND		ND		ND	NI	ND	ND		ND		ND		ND		ND		ND	ND	ND	NI		NI	ND	
	Apr-96	NR	500	ND		ND		ND	NI	ND	ND		ND		ND		ND		ND		ND	ND	ND	NI		NI	ND	
	Oct-96	NR	500	ND		NS		ND	NI	AB	ND		ND		ND		ND		ND		WL	ND	AB	NI		NI	ND	
	Apr-97	NR	500	ND		NS		ND	NI	AB	ND		ND		ND		ND		986		WL	ND	AB	NI		NI	ND	
	Oct-97	NR	500	ND		NS		ND	NI	AB	ND		ND		ND		ND		1084		WL	ND	AB	NI		NI	ND	
	Apr-98	NR	500	ND		NS		ND	NI	AB	ND		657		ND		515		971		WL	ND	AB	NI		NI	ND	
	Oct-98	NR	500	ND		NS		ND	NI	AB	ND		ND		ND		ND		898		WL	AB	AB	NI		NI	ND	
	Mar-99	NR	500	ND		NS		ND	NI	AB	ND		ND		ND		ND		ND		WL	AB	AB	NI		NI	ND	
	Oct-99	NR	500	ND		NS		AB	NI	AB	ND		ND		ND		ND		ND		WL	AB	AB	NI		NI	ND	
	Apr-00	NR	500	ND		NS		AB	NI	AB	ND		ND		ND		ND		ND		WL	AB	AB	NI		NI	ND	
	Oct-00	NR	500	ND		NS		AB	NI	AB	ND		ND		ND		ND		ND		WL	AB	AB	NI		NI	ND	
	Apr-01	NR	500	ND		NS		AB	ND	AB	ND		ND		ND		ND		ND		WL	AB	AB	NS		NS	ND	
	Oct-01	NR	500	ND		NS		AB	ND	AB	ND		ND		ND		ND		ND		WL	AB	AB	NS		NS	ND	
	Apr-02	NR	500	ND		NS		AB	ND	AB	ND		ND		ND		ND		ND		WL	AB	AB	ND		ND	ND	
	Oct-02	NR	500	ND		NS		AB	ND	AB	ND		ND		ND		ND		ND		WL	AB	AB	ND		ND	ND	
	Apr-03	NR	500	ND		NS		AB	ND	AB	ND		ND		ND		ND		ND		WL	AB	AB	ND		ND	ND	
	Oct-03	NR	500	ND		NS		AB	ND	AB	ND		ND		ND		ND		ND		WL	AB	AB	ND		ND	ND	
	15-Apr-04	NR	500	ND		NS		AB	ND	AB	ND		ND		ND		ND		ND		WL	AB	AB	ND		ND	ND	
	14-Oct-04	NR	500	ND		NS		AB	ND	AB	ND		ND		ND		ND		ND		WL	AB	AB	ND		ND	ND	
	5-Apr-05	NR	500	ND		NS		AB	WL	AB	ND		ND		ND		ND		ND		WL	AB	AB	ND		WL	ND	
	5-Oct-05	NR	500	ND		ND		AB	WL	AB	ND		ND		ND		ND		ND		WL	AB	AB	ND		WL	ND	
	21-Apr-06	NR	500	ND		ND		AB	WL	AB	ND		ND		ND		ND		ND		WL	AB	AB	ND		WL	ND	
	12-Oct-06	NR	500	ND		ND		AB	WL	AB	ND		ND		ND		ND		ND		WL	AB	AB	ND		WL	ND	
	26-Apr-07	NR	100	ND		ND		AB	WL	AB	ND		ND		113		ND		ND		WL	AB	AB	ND		WL	ND	
	10-Oct-07	0.04	100.0	44.8	J	56.4	J	AB	WL	AB	69.9	J	67.2	J	133		39	J	96.9	J	WL	AB	AB	28.8	J	WL	0.2	J
NC 2L = 2,000 ug/L (10/23/07)	2-Apr-08	0.11	100.0	72.9	J	33.4	J	AB	WL	AB	74.7	J	64.2	J	140		40.2	J	69.5	J	WL	AB	AB	33.8	J	WL	ND	
	28-Oct-08	0.11	100.0	94.9	J	39.6	J	AB	WL	AB	91.7	J	95.9	J	149		39	J	116		WL	AB	AB	44.2	J	WL	0.7	J

TABLE 6

SUMMARY OF HISTORICAL GROUNDWATER CONSTITUENTS
TUSCARORA INTERIM REGIONAL LANDFILL

Constituent	Date	DL	RL	Concentrations (ug/L)															Blanks
				Background		Downgradient													
				IRL-1S	IRL-1D	IRL-2S	IRL-2SA	IRL-2D	IRL-3S	IRL-3D	IRL-4S	IRL-4D	IRL-5S	IRL-5D	IRL-6S	IRL-6D	MW-A	MW-B	
Beryllium	Jul-93	NR	1	3	1	ND	NI	ND	ND	ND	2	ND	ND	8	4	ND	NI	NI	ND
	Aug-93	NR	1	1	1	ND	NI	1	ND	1	ND	1	ND	1	ND	ND	NI	NI	ND
	Sep-93	NR	1	1	ND	ND	NI	ND	ND	ND	ND	3	ND	ND	ND	ND	NI	NI	ND
	Sep-93	NR	1	2	3	ND	NI	ND	ND	2	ND	ND	ND	1	ND	ND	NI	NI	ND
	Apr-94	NR	1	ND	ND	ND	NI	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	ND
	Oct-94	NR	2	ND	ND	ND	NI	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	ND
	Apr-95	NR	2	ND	ND	ND	NI	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	ND
	Oct-95	NR	2	ND	ND	ND	NI	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	ND
	Apr-96	NR	2	ND	ND	ND	NI	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	ND
	Oct-96	NR	2	ND	NS	ND	NI	AB	ND	ND	ND	ND	ND	WL	ND	AB	NI	NI	ND
	Apr-97	NR	2	3	NS	ND	NI	AB	ND	ND	ND	ND	3	WL	ND	AB	NI	NI	ND
	Oct-97	NR	2	3	NS	ND	NI	AB	ND	ND	ND	ND	ND	WL	ND	AB	NI	NI	ND
	Apr-98	NR	2	ND	NS	ND	NI	AB	ND	ND	ND	2.5	ND	WL	2	AB	NI	NI	ND
	Oct-98	NR	2	2	NS	ND	NI	AB	ND	ND	ND	ND	ND	WL	AB	AB	NI	NI	ND
	Mar-99	NR	2	ND	NS	ND	NI	AB	ND	ND	ND	ND	ND	WL	AB	AB	NI	NI	ND
	Oct-99	NR	2	ND	NS	AB	NI	AB	ND	ND	ND	ND	ND	WL	AB	AB	NI	NI	ND
	Apr-00	NR	2	ND	NS	AB	NI	AB	ND	ND	ND	ND	ND	WL	AB	AB	NI	NI	ND
	Oct-00	NR	2	ND	NS	AB	NI	AB	ND	ND	ND	ND	ND	WL	AB	AB	NI	NI	ND
	Apr-01	NR	2	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	NS	NS	ND
	Oct-01	NR	2	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	NS	NS	ND
	Apr-02	NR	2	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	ND	ND
	Oct-02	NR	2	ND	NS	AB	6	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	ND	ND
	Apr-03	NR	2	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	ND	ND
	Oct-03	NR	2	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	ND	ND
	15-Apr-04	NR	2	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	ND	ND
	14-Oct-04	NR	2	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	ND	ND
	5-Apr-05	NR	2	ND	NS	AB	WL	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	WL	ND
	5-Oct-05	NR	2	ND	6	AB	WL	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	WL	ND
	21-Apr-06	NR	2	ND	ND	AB	WL	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	WL	ND
	12-Oct-06	NR	2	ND	ND	AB	WL	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	WL	ND
	26-Apr-07	NR	1.0	ND	ND	AB	WL	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	WL	ND
	10-Oct-07	0.08	1.0	0.1 J	ND	AB	WL	AB	ND	0.3 J	0.1 J	0.1 J	ND	WL	AB	AB	ND	WL	ND
GWPS = 4 ug/L (10/23/07)	2-Apr-08	0.06	1.0	0.4 J	0.1 J	AB	WL	AB	0.1 J	0.1 J	0.2 J	0.1 J	ND	WL	AB	AB	0.2 J	WL	ND
	28-Oct-08	0.06	1.0	0.5 J	0.1 J	AB	WL	AB	0.1 J	0.2 J	0.2 J	0.1 J	ND	WL	AB	AB	0.2 J	WL	ND
Cadmium	Jul-93	NR	1	ND	ND	ND	NI	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	ND
	Aug-93	NR	1	ND	ND	ND	NI	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	ND
	Sep-93	NR	1	ND	ND	ND	NI	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	ND
	Sep-93	NR	1	ND	ND	ND	NI	ND	ND	ND	ND	10	ND	ND	ND	ND	NI	NI	ND
	Apr-94	NR	1	ND	ND	ND	NI	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	ND
	Oct-94	NR	1	ND	ND	ND	NI	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	ND
	Apr-95	NR	1	ND	ND	ND	NI	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	ND
	Oct-95	NR	1	ND	ND	ND	NI	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	ND
	Apr-96	NR	1	ND	ND	ND	NI	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	ND
	Oct-96	NR	1	ND	NS	ND	NI	AB	ND	ND	ND	ND	ND	WL	ND	AB	NI	NI	ND
	Apr-97	NR	1	ND	NS	ND	NI	AB	ND	ND	ND	ND	ND	WL	ND	AB	NI	NI	ND
	Oct-97	NR	1	ND	NS	ND	NI	AB	ND	ND	ND	ND	ND	WL	ND	AB	NI	NI	ND
	Apr-98	NR	1	ND	NS	ND	NI	AB	ND	ND	ND	ND	ND	WL	ND	AB	NI	NI	ND
	Oct-98	NR	1	ND	NS	ND	NI	AB	ND	ND	ND	ND	ND	WL	AB	AB	NI	NI	ND
	Mar-99	NR	1	ND	NS	ND	NI	AB	ND	ND	ND	ND	ND	WL	AB	AB	NI	NI	ND
	Oct-99	NR	1	ND	NS	AB	NI	AB	ND	ND	ND	ND	ND	WL	AB	AB	NI	NI	ND
	Apr-00	NR	1	ND	NS	AB	NI	AB	ND	ND	ND	ND	ND	WL	AB	AB	NI	NI	ND
	Oct-00	NR	1	ND	NS	AB	NI	AB	ND	ND	ND	ND	ND	WL	AB	AB	NI	NI	ND
	Apr-01	NR	1	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	NS	NS	ND
	Oct-01	NR	1	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	NS	NS	ND
	Apr-02	NR	1	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	ND	ND
	Oct-02	NR	1	1	NS	AB	ND	AB	ND	ND	1	ND	ND	WL	AB	AB	ND	ND	ND
	Apr-03	NR	1	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	ND	ND
	Oct-03	NR	1	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	ND	ND
	15-Apr-04	NR	1	ND	NS	AB	3	AB	1	ND	ND	ND	ND	WL	AB	AB	1	ND	ND
	14-Oct-04	NR	1	ND	NS	AB	2	AB	ND	ND	ND	ND	1	WL	AB	AB	ND	ND	ND
	5-Apr-05	NR	1	ND	NS	AB	WL	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	WL	ND
	5-Oct-05	NR	1	ND	4	AB	WL	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	WL	ND
	21-Apr-06	NR	1	ND	ND	AB	WL	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	WL	ND
	12-Oct-06	NR	1	ND	ND	AB	WL	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	WL	ND
	26-Apr-07	NR	1.0	ND	ND	AB	WL	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	WL	ND
	10-Oct-07	0.06	1.0	0.3 B	0.4 B	AB	WL	AB	0.6 J	0.1 B	0.4 B	0.1 B	0.4 B	WL	AB	AB	0.1 B	WL	0.1 J
NC 2L = 1.75 ug/L (10/23/07)	2-Apr-08	0.04	1.0	0.2 J	0.4 J	AB	WL	AB	0.2 J	0.7 J	0.5 J	0.1 J	0.1 J	WL	AB	AB	0.1 J	WL	ND
	28-Oct-08	0.04	1.0	0.3 J	0.8 J	AB	WL	AB	0.1 J	0.1 J	0.2 J	0.2 J	0.3 J	WL	AB	AB	0.2 J	WL	ND

TABLE 6

SUMMARY OF HISTORICAL GROUNDWATER CONSTITUENTS
TUSCARORA INTERIM REGIONAL LANDFILL

Constituent	Date	DL	RL	Concentrations (ug/L)															
				Background		Downgradient													Blanks
				IRL-1S	IRL-1D	IRL-2S	IRL-2SA	IRL-2D	IRL-3S	IRL-3D	IRL-4S	IRL-4D	IRL-5S	IRL-5D	IRL-6S	IRL-6D	MW-A	MW-B	
Chromium	Jul-93	NR	5	36	18	ND	NI	ND	ND	16	ND	49	ND	90	44	6	NI	NI	ND
	Aug-93	NR	5	14	8	ND	NI	7	ND	6	ND	6	ND	18	ND	ND	NI	NI	ND
	Sep-93	NR	5	11	11	ND	NI	ND	ND	10	ND	15	ND	11	7	ND	NI	NI	ND
	Sep-93	NR	5	19	43	ND	NI	6	ND	22	ND	20	ND	21	6	ND	NI	NI	ND
	Apr-94	NR	5	10	ND	ND	NI	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	ND
	Oct-94	NR	10	ND	ND	ND	NI	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	ND
	Apr-95	NR	10	ND	ND	ND	NI	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	ND
	Oct-95	NR	10	13	ND	ND	NI	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	ND
	Apr-96	NR	10	ND	ND	ND	NI	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	ND
	Oct-96	NR	10	39	NS	ND	NI	AB	ND	ND	ND	ND	ND	WL	ND	AB	NI	NI	ND
	Apr-97	NR	10	23	NS	ND	NI	AB	ND	ND	ND	ND	ND	WL	ND	AB	NI	NI	ND
	Oct-97	NR	10	50	NS	ND	NI	AB	ND	ND	18	ND	ND	WL	ND	AB	NI	NI	ND
	Apr-98	NR	10	18	NS	ND	NI	AB	22	ND	14	ND	ND	WL	25	AB	NI	NI	ND
	Oct-98	NR	10	ND	NS	ND	NI	AB	ND	ND	ND	ND	ND	WL	AB	AB	NI	NI	ND
	Mar-99	NR	10	58	NS	ND	NI	AB	ND	ND	ND	ND	ND	WL	AB	AB	NI	NI	ND
	Oct-99	NR	10	21	NS	AB	NI	AB	ND	ND	ND	ND	ND	WL	AB	AB	NI	NI	ND
	Apr-00	NR	5	87	NS	AB	NI	AB	19	ND	18	ND	ND	WL	AB	AB	NI	NI	ND
	Oct-00	NR	10	21	NS	AB	NI	AB	ND	ND	ND	ND	ND	WL	AB	AB	NI	NI	ND
	Apr-01	NR	10	11	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	NS	NS	ND
	Oct-01	NR	10	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	NS	NS	ND
	Apr-02	NR	10	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	12	ND	ND
	Oct-02	NR	10	15	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	ND	ND
	Apr-03	NR	10	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	ND	ND
	Oct-03	NR	10	12	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	ND	ND
	15-Apr-04	NR	10	13	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	10	ND	ND
	14-Oct-04	NR	10	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	ND	ND
	5-Apr-05	NR	10	ND	NS	AB	WL	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	WL	ND
	5-Oct-05	NR	10	ND	29	AB	WL	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	WL	ND
	21-Apr-06	NR	10	ND	ND	AB	WL	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	WL	ND
	12-Oct-06	NR	10	ND	ND	AB	WL	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	WL	ND
	26-Apr-07	NR	10	ND	ND	AB	WL	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	WL	ND
	10-Oct-07	0.24	10.0	1.6 B	1.2 B	AB	WL	AB	2.0 B	2.3 B	1.3 B	2.1 B	1.4 B	WL	AB	AB	1.3 B	WL	1.2 J
NC 2L = 50 µg/L (10/23/07)	2-Apr-08	0.11	10.0	1.6 J	ND	AB	WL	AB	0.7 J	0.5 J	ND	0.5 J	ND	WL	AB	AB	0.3 J	WL	ND
	28-Oct-08	0.11	10.0	3 J	1.6 J	AB	WL	AB	1.5 J	1.1 J	0.4 J	1.1 J	0.4 J	WL	AB	AB	1.8 J	WL	ND
Cobalt	Jul-93	NR	20	32	41	27	NI	20	21	31	ND	93	29	118	45	23	NI	NI	ND
	Aug-93	NR	20	26	27	23	NI	40	37	32	27	33	50	30	22	25	NI	NI	ND
	Sep-93	NR	20	22	21	ND	NI	21	23	25	ND	38	36	32	ND	ND	NI	NI	ND
	Sep-93	NR	20	ND	ND	ND	NI	22	ND	ND	31	53	26	21	ND	ND	NI	NI	ND
	Apr-94	NR	10	27 B	22 B	27 B	NI	41 B	35 B	39 B	27 B	41 B	53 B	34 B	20 B	ND	NI	NI	18
	Oct-94	NR	10	ND	ND	ND	NI	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	ND
	Apr-95	NR	10	ND	ND	ND	NI	ND	ND	ND	ND	ND	ND	ND	ND	37	NI	NI	ND
	Oct-95	NR	10	ND	ND	ND	NI	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	ND
	Apr-96	NR	10	ND	ND	ND	NI	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	ND
	Oct-96	NR	10	ND	NS	ND	NI	AB	ND	ND	ND	ND	ND	WL	ND	AB	NI	NI	ND
	Apr-97	NR	10	ND	NS	ND	NI	AB	ND	ND	ND	ND	ND	WL	ND	AB	NI	NI	ND
	Oct-97	NR	10	20	NS	ND	NI	AB	ND	ND	ND	ND	ND	WL	ND	AB	NI	NI	ND
	Apr-98	NR	10	ND	NS	ND	NI	AB	ND	ND	ND	ND	ND	WL	ND	AB	NI	NI	ND
	Oct-98	NR	10	ND	NS	ND	NI	AB	ND	ND	ND	ND	ND	WL	AB	AB	NI	NI	ND
	Mar-99	NR	10	ND	NS	ND	NI	AB	ND	ND	ND	ND	ND	WL	AB	AB	NI	NI	ND
	Oct-99	NR	10	ND	NS	AB	NI	AB	ND	ND	ND	ND	ND	WL	AB	AB	NI	NI	ND
	Apr-00	NR	10	16	NS	AB	NI	AB	ND	ND	ND	ND	ND	WL	AB	AB	NI	NI	ND
	Oct-00	NR	10	ND	NS	AB	NI	AB	ND	ND	ND	ND	ND	WL	AB	AB	NI	NI	ND
	Apr-01	NR	10	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	NS	NS	ND
	Oct-01	NR	10	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	NS	NS	ND
	Apr-02	NR	10	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	ND	ND
	Oct-02	NR	10	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	ND	ND
	Apr-03	NR	10	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	ND	ND
	Oct-03	NR	10	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	ND	ND
	15-Apr-04	NR	10	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	ND	ND
	14-Oct-04	NR	10	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	ND	ND
	5-Apr-05	NR	10	ND	NS	AB	WL	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	WL	ND
	5-Oct-05	NR	10	ND	ND	AB	WL	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	WL	ND
	21-Apr-06	NR	10	ND	ND	AB	WL	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	WL	ND
	12-Oct-06	NR	10	ND	ND	AB	WL	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	WL	ND
	26-Apr-07	NR	10	ND	ND	AB	WL	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	WL	ND
	10-Oct-07	0.41	10.0	0.6 J	ND	AB	WL	AB	ND	ND	1.3 J	ND	ND	WL	AB	AB	ND	WL	ND
GWPS = 70 µg/L (10/23/07)	2-Apr-08	0.03	10.0	0.9 J	0.1 J	AB	WL	AB	0.3 J	0.3 J	1.3 J	0.1 J	0.4 J	WL	AB	AB	1.6 J	WL	ND
	28-Oct-08	0.03	10.0	1.1 J	0.5 J	AB	WL	AB	0.4 J	0.4 J	1.2 J	0.4 J	1.1 J	WL	AB	AB	0.5 J	WL	ND

TABLE 6

SUMMARY OF HISTORICAL GROUNDWATER CONSTITUENTS
TUSCARORA INTERIM REGIONAL LANDFILL

Constituent	Date	DL	RL	Concentrations (ug/L)																															
				Background				Downgradient																											
				IRL-1S		IRL-1D		IRL-2S		IRL-2SA		IRL-2D		IRL-3S		IRL-3D		IRL-4S		IRL-4D		IRL-5S		IRL-5D		IRL-6S		IRL-6D		MW-A		MW-B		Blanks	
Copper	Jul-93	NR	10	38		25	B	22	B	NI		29	B	30	B	29	B	24	B	63	B	23	B	54	B	55	B	22	B	NI		NI		17	
	Aug-93	NR	10	32	B	26	B	27	B	NI		24	B	24	B	26	B	24	B	20	B	19	B	23	B	25	B	17	B	NI		NI		19	
	Sep-93	NR	10	22	B	24	B	27	B	NI		22	B	19	B	24	B	22	B	29	B	34	B	26	B	25	B	27	B	NI		NI		11	
	Sep-93	NR	10	89	B	101	B	58	B	NI		79	B	39	B	69	B	65	B	ND		53	B	62	B	53	B	54	B	NI		NI		39	
	Apr-94	NR	10	26	B	22	B	26	B	NI		29	B	28	B	29	B	28	B	28	B	33	B	24	B	24	B	ND		NI		NI		21	
	Oct-94	NR	200	ND		ND		ND		NI		ND		ND		ND		ND		ND		ND		ND		ND		ND		NI		NI		ND	
	Apr-95	NR	200	ND		ND		ND		NI		ND		ND		ND		ND		ND		ND		ND		ND		24		NI		NI		ND	
	Oct-95	NR	200	ND		ND		ND		NI		ND		ND		ND		ND		ND		ND		ND		ND		ND		NI		NI		ND	
	Apr-96	NR	200	ND		ND		ND		NI		ND		ND		ND		ND		ND		ND		ND		ND		ND		NI		NI		ND	
	Oct-96	NR	200	ND		NS		ND		NI		AB		ND		ND		ND		ND		ND		WL		ND		AB		NI		NI		ND	
	Apr-97	NR	200	55		NS		ND		NI		AB		ND		ND		ND		ND		ND		WL		ND		AB		NI		NI		ND	
	Oct-97	NR	200	ND		NS		ND		NI		AB		ND		ND		ND		ND		ND		WL		ND		AB		NI		NI		ND	
	Apr-98	NR	200	ND		NS		11		NI		AB		ND		ND		ND		ND		ND		WL		ND		AB		NI		NI		ND	
	Oct-98	NR	200	ND		NS		ND		NI		AB		ND		ND		ND		ND		ND		WL		AB		AB		NI		NI		ND	
	Mar-99	NR	200	ND		NS		ND		NI		AB		ND		ND		ND		ND		ND		WL		AB		AB		NI		NI		ND	
	Oct-99	NR	200	ND		NS		AB		NI		AB		ND		ND		ND		ND		ND		WL		AB		AB		NI		NI		ND	
	Apr-00	NR	200	ND		NS		AB		NI		AB		ND		ND		ND		ND		ND		WL		AB		AB		NI		NI		ND	
	Oct-00	NR	200	ND		NS		AB		NI		AB		ND		ND		ND		ND		ND		WL		AB		AB		NI		NI		ND	
	Apr-01	NR	200	ND		NS		AB		ND		AB		ND		ND		ND		ND		ND		WL		AB		AB		NS		NS		ND	
	Oct-01	NR	200	ND		NS		AB		ND		AB		ND		ND		ND		ND		ND		WL		AB		AB		NS		NS		ND	
	Apr-02	NR	200	ND		NS		AB		ND		AB		ND		ND		ND		ND		ND		WL		AB		AB		ND		ND		ND	
	Oct-02	NR	200	ND		NS		AB		ND		AB		ND		ND		ND		ND		ND		WL		AB		AB		ND		ND		ND	
	Apr-03	NR	200	ND		NS		AB		ND		AB		ND		ND		ND		ND		ND		WL		AB		AB		ND		ND		ND	
	Oct-03	NR	200	ND		NS		AB		ND		AB		ND		ND		ND		ND		ND		WL		AB		AB		ND		ND		ND	
	15-Apr-04	NR	200	ND		NS		AB		ND		AB		ND		ND		ND		ND		ND		WL		AB		AB		ND		ND		ND	
	14-Oct-04	NR	200	ND		NS		AB		ND		AB		ND		ND		ND		ND		ND		WL		AB		AB		ND		ND		ND	
	5-Apr-05	NR	200	ND		NS		AB		WL		AB		ND		ND		ND		ND		ND		WL		AB		AB		ND		WL		ND	
	5-Oct-05	NR	200	ND		ND		AB		WL		AB		ND		ND		ND		ND		ND		WL		AB		AB		ND		WL		ND	
	21-Apr-06	NR	200	ND		ND		AB		WL		AB		ND		ND		ND		ND		ND		WL		AB		AB		ND		WL		ND	
	12-Oct-06	NR	200	ND		ND		AB		WL		AB		ND		ND		ND		ND		ND		WL		AB		AB		ND		WL		ND	
	26-Apr-07	NR	10	ND		ND		AB		WL		AB		ND		ND		ND		ND		ND		WL		AB		AB		ND		WL		ND	
	10-Oct-07	0.20	10.0	0.6	B	1.0	B	AB		WL		AB		0.4	B	0.7	B	0.9	B	0.5	B	0.7	B	WL		AB		AB		1.0	B	WL		0.4	J
NC 2L = 1,000 ug/L (10/23/07)	2-Apr-08	0.05	10.0	0.8	B	0.4	B	AB		WL		AB		0.6	B	0.5	B	0.8	B	0.2	B	0.4	B	WL		AB		AB		0.4	B	WL		0.2	J
	28-Oct-08	0.05	10.0	1.4	B	1.5	B	AB		WL		AB		0.7	B	0.5	B	1.0	B	0.5	B	1.0	B	WL		AB		AB		1.2	B	WL		1.1	J
Lead	Jul-93	NR	5	32		6		ND		NI		ND		12		7		ND		30		ND		30		65		ND		NI		NI		ND	
	Aug-93	NR	5	7		5		6		NI		10		ND		ND		7		ND		ND		12		8		5		NI		NI		ND	
	Sep-93	NR	5	14		9		ND		NI		ND		ND		7		5		12		ND		ND		9		ND		NI		NI		ND	
	Sep-93	NR	5	13		22		ND		NI		ND		ND		8		ND		21		ND		ND		7		ND		NI		NI		ND	
	Apr-94	NR	5	11		ND		ND		NI		ND		ND		ND		ND		ND		ND		ND		ND		ND		NI		NI		ND	
	Oct-94	NR	10	ND		ND		ND		NI		ND		ND		ND		ND		ND		ND		ND		ND		ND		NI		NI		ND	
	Apr-95	NR	10	ND		ND		ND		NI		ND		ND		ND		ND		ND		ND		ND		ND		ND		NI		NI		ND	
	Oct-95	NR	10	ND		ND		ND		NI		ND		ND		ND		ND		ND		ND		ND		ND		ND		NI		NI		ND	
	Apr-96	NR	10	ND		ND		ND		NI		ND		ND		ND		ND		ND		ND		ND		ND		ND		NI		NI		ND	
	Oct-96	NR	10	ND		NS		ND		NI		AB		ND		ND		ND		ND		ND		WL		ND		AB		NI		NI		ND	
	Apr-97	NR	10	22		NS		ND		NI		AB		ND		ND		ND		ND		ND		WL		ND		AB		NI		NI		ND	
	Oct-97	NR	10	ND		NS		11		NI		AB		ND		ND		22		ND		ND		WL		ND		AB		NI		NI		ND	
	Apr-98	NR	10	12		NS		ND		NI		AB		16		ND		ND		ND		ND		WL		20		AB		NI		NI		ND	
	Oct-98	NR	10	14		NS		ND		NI		AB		ND		ND		ND		ND		ND		WL		AB		AB		NI		NI		ND	
	Mar-99	NR	10	21		NS		ND		NI		AB		ND		ND		ND		ND		ND		WL		AB		AB		NI		NI		ND	
	Oct-99	NR	10	12		NS		AB		NI		AB		ND		ND		ND		ND		ND		WL		AB		AB		NI		NI		ND	
	Apr-00	NR	10	38		NS		AB		NI		AB		ND		ND		14		ND		ND		WL		AB		AB		NI		NI		ND	
	Oct-00	NR	10	ND		NS		AB		NI		AB		ND		ND		ND		ND		ND		WL		AB		AB		NI		NI		ND	
	Apr-01	NR	10	ND		NS		AB		ND		AB		ND		ND		ND		ND		ND		WL		AB		AB		NS		NS		ND	
	Oct-01	NR	10	ND		NS		AB		ND		AB		ND		ND		ND		ND		ND		WL		AB		AB		NS		NS		ND	
	Apr-02	NR	10	ND		NS		AB		ND		AB		ND		ND		ND		ND		ND		WL		AB		AB		ND		ND		ND	
	Oct-02	NR	10	ND		NS		AB		ND		AB		ND		ND		ND		ND		ND		WL		AB		AB		ND		ND		ND	
	Apr-03	NR	10	ND		NS		AB		ND		AB		ND		ND		ND		ND		ND		WL		AB		AB		ND		ND		ND	
	Oct-03	NR	10	ND		NS		AB		ND		AB		ND		ND		ND		ND		ND		WL		AB		AB		ND		ND		ND	
	15-Apr-04	NR	10	ND		NS		AB		ND		AB		ND		ND		ND		ND		ND		WL		AB		AB		ND		ND		ND	
	14-Oct-04	NR	10	ND		NS		AB		ND		AB		ND		ND		ND		ND		ND		WL		AB		AB		ND		WL		ND	
	5-Apr-05	NR	10	ND		NS		AB		WL		AB		ND		ND		ND		ND		ND		WL		AB		AB		ND		WL		ND	
	5-Oct-05	NR	10	ND		31		AB		WL		AB		ND		ND		ND		ND		ND		WL		AB		AB		ND		WL		ND	
	21-Apr-06	NR	10	ND		ND		AB		WL		AB		ND		ND		ND		ND		ND		WL		AB		AB		ND		WL		ND	
	12-Oct-06	NR	10	ND		ND		AB		WL		AB		ND		ND		ND		ND		ND		WL		AB		AB		ND		WL		ND	
	26-Apr-07	NR	10	ND		ND		AB		WL		AB		ND		ND		ND		ND		ND		WL		AB		AB		ND		WL		ND	
	10-Oct-07	0.07	10.0	0.4	B	0.1	B	AB		WL		AB		0.1	B	0.1	B	0.2	B	0.1	B	0.1	B	WL		AB		AB		0.3	B	WL		0.1	J
NC 2L = 15 ug/L (10/23/07)	2-Apr-08	0.04	10.0	1.4	J	0.1	J	AB		WL		AB		0.1	J	0.3	J	0.1	J	ND		0.1	J	WL		AB		AB		0.3	J	WL		ND	
	28-Oct-08	0.04	10.0	3.5	J	1.5	J	AB		WL		AB		0.9	J	0.4	B	0.7	J	0.4	B	0.5	B	WL		AB		AB		1.4	J	WL		0.1	J

TABLE 6

SUMMARY OF HISTORICAL GROUNDWATER CONSTITUENTS
TUSCARORA INTERIM REGIONAL LANDFILL

Constituent	Date	DL	RL	Concentrations (ug/L) Background		Downgradient														Blanks
				IRL-1S	IRL-1D	IRL-2S	IRL-2SA	IRL-2D	IRL-3S	IRL-3D	IRL-4S	IRL-4D	IRL-5S	IRL-5D	IRL-6S	IRL-6D	MW-A	MW-B		
Nickel	Jul-93	NR	10	45	30	15	NI	21	23	53	26	133	51	144	54	35	NI	NI		ND
	Aug-93	NR	10	25 B	16 B	16 B	NI	36 B	31 B	28 B	99	62	60	42 B	213	35 B	NI	NI		11
	Sep-93	NR	10	25 B	28 B	33 B	NI	22 B	20 B	28 B	27 B	53 B	48 B	42 B	36 B	24 B	NI	NI		17
	Sep-93	NR	10	24	32	16	NI	22	17	22	11	ND	20	21	ND	ND	NI	NI		ND
	Apr-94	NR	10	34 B	38 B	36 B	NI	54 B	53 B	57 B	45 B	40 B	50 B	27 B	ND	ND	NI	NI		20
	Oct-94	NR	50	ND	ND	ND	NI	ND	ND	ND	ND	ND	64	ND	ND	ND	NI	NI		ND
	Apr-95	NR	50	ND	ND	ND	NI	ND	ND	ND	ND	ND	ND	ND	ND	17	NI	NI		ND
	Oct-95	NR	50	ND	ND	ND	NI	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI		ND
	Apr-96	NR	50	ND	ND	ND	NI	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI		ND
	Oct-96	NR	50	ND	NS	ND	NI	AB	ND	ND	ND	ND	ND	WL	ND	AB	NI	NI		ND
	Apr-97	NR	50	ND	NS	ND	NI	AB	ND	ND	ND	ND	ND	WL	ND	AB	NI	NI		ND
	Oct-97	NR	50	ND	NS	ND	NI	AB	ND	ND	ND	ND	ND	WL	ND	AB	NI	NI		ND
	Apr-98	NR	50	ND	NS	ND	NI	AB	ND	ND	ND	ND	ND	WL	ND	AB	NI	NI		ND
	Oct-98	NR	50	ND	NS	ND	NI	AB	ND	ND	ND	ND	ND	WL	AB	AB	NI	NI		ND
	Mar-99	NR	50	ND	NS	ND	NI	AB	ND	ND	ND	ND	ND	WL	AB	AB	NI	NI		ND
	Oct-99	NR	50	ND	NS	AB	NI	AB	ND	ND	ND	ND	ND	WL	AB	AB	NI	NI		ND
	Apr-00	NR	50	ND	NS	AB	NI	AB	ND	ND	ND	ND	ND	WL	AB	AB	NI	NI		ND
	Oct-00	NR	50	ND	NS	AB	NI	AB	ND	ND	ND	ND	ND	WL	AB	AB	NI	NI		ND
	Apr-01	NR	50	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	NS	NS		ND
	Oct-01	NR	50	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	NS	NS		ND
	Apr-02	NR	50	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	ND		ND
	Oct-02	NR	50	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	ND		ND
	Apr-03	NR	50	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	ND		ND
	Oct-03	NR	50	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	ND		ND
	15-Apr-04	NR	50	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	ND		ND
	14-Oct-04	NR	50	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	ND		ND
	5-Apr-05	NR	50	ND	NS	AB	WL	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	WL		ND
	5-Oct-05	NR	50	ND	ND	AB	WL	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	WL		ND
	21-Apr-06	NR	50	ND	ND	AB	WL	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	WL		ND
	12-Oct-06	NR	50	ND	ND	AB	WL	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	WL		ND
	26-Apr-07	NR	50	ND	ND	AB	WL	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	WL		ND
	10-Oct-07	0.66	50.0	1.5 J	0.9 J	AB	WL	AB	3.3 J	2.7 J	2.3 J	2.1 J	6.1 J	WL	AB	AB	1.0 J	WL		ND
NC 2L = 100 µg/L (10/23/07)	2-Apr-08	0.06	50.0	1.6 J	1.4 B	AB	WL	AB	5.4 J	3.9 J	2.0 J	2.5 J	5.3 J	WL	AB	AB	2.1 J	WL		0.3 J
	28-Oct-08	0.06	50.0	2 J	1.6 J	AB	WL	AB	5 J	4.8 J	1.9 J	2.9 J	8.4 J	WL	AB	AB	1.1 J	WL		0.2 J
Selenium	10-Oct-07	0.35	10.0	1.2 B	1.0 B	AB	WL	AB	8.0 J	1.7 B	3.5 B	1.2 B	4.5 B	WL	AB	AB	1.6 B	WL		0.9 J
NC 2L = 50 µg/L (10/23/07)	2-Apr-08	0.14	10.0	ND	ND	AB	WL	AB	1.0 J	0.9 J	5.2 J	ND	6.2 J	WL	AB	AB	0.7 J	WL		ND
	28-Oct-08	0.14	10.0	0.2 B	ND	AB	WL	AB	2.8 B	2.4 B	5 B	ND	4.5 B	WL	AB	AB	1.2 B	WL		1.9 J
Silver	2-Apr-08	0.04	10.0	0.1 B	0.1 B	AB	WL	AB	0.1 B	ND	0.1 B	ND	ND	WL	AB	AB	0.1 B	WL		0.1 J
NC 2L = 17.5 µg/L (10/23/07)	28-Oct-08	0.04	10.0	0.1 B	0.1 B	AB	WL	AB	0.1 B	ND	ND	ND	0.1 B	WL	AB	AB	ND	WL		0.1 J
Thallium	2-Apr-08	0.04	5.0	0.1 J	0.2 J	AB	WL	AB	0.1 J	ND	0.1 J	ND	ND	WL	AB	AB	0.1 J	WL		ND
GWPS = 0.28 µg/L (10/23/07)	28-Oct-08	0.04	5.0	0.2 J	ND	AB	WL	AB	0.1 J	ND	0.1 J	ND	ND	WL	AB	AB	ND	WL		ND
Vanadium	Jul-93	NR	2000	ND	ND	ND	NI	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI		ND
	Aug-93	NR	2000	ND	ND	ND	NI	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI		ND
	Sep-93	NR	2000	ND	ND	ND	NI	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI		ND
	Sep-93	NR	2000	ND	ND	ND	NI	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI		ND
	Apr-94	NR	25	ND	ND	ND	NI	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI		ND
	Oct-94	NR	40	ND	ND	ND	NI	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI		ND
	Apr-95	NR	40	ND	ND	ND	NI	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI		ND
	Oct-95	NR	40	ND	ND	ND	NI	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI		ND
	Apr-96	NR	40	ND	ND	ND	NI	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI		ND
	Oct-96	NR	40	ND	NS	ND	NI	AB	48	ND	ND	ND	ND	WL	ND	AB	NI	NI		ND
	Apr-97	NR	40	48	NS	ND	NI	AB	48	ND	ND	ND	ND	WL	ND	AB	NI	NI		ND
	Oct-97	NR	40	56	NS	ND	NI	AB	ND	ND	ND	ND	ND	WL	ND	AB	NI	NI		ND
	Apr-98	NR	40	ND	NS	ND	NI	AB	ND	ND	ND	ND	ND	WL	ND	AB	NI	NI		ND
	Oct-98	NR	40	ND	NS	ND	NI	AB	ND	ND	ND	ND	ND	WL	AB	AB	NI	NI		ND
	Mar-99	NR	40	63	NS	ND	NI	AB	ND	ND	ND	ND	ND	WL	AB	AB	NI	NI		ND
	Oct-99	NR	40	ND	NS	AB	NI	AB	ND	ND	ND	ND	ND	WL	AB	AB	NI	NI		ND
	Apr-00	NR	40	ND	NS	AB	NI	AB	ND	ND	ND	ND	ND	WL	AB	AB	NI	NI		ND
	Oct-00	NR	40	ND	NS	AB	NI	AB	ND	ND	ND	ND	ND	WL	AB	AB	NI	NI		ND
	Apr-01	NR	40	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	NS	NS		ND
	Oct-01	NR	40	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	NS	NS		ND
	Apr-02	NR	40	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	ND		ND
	Oct-02	NR	40	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	ND		ND
	Apr-03	NR	40	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	ND		ND
	Oct-03	NR	40	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	ND		ND
	15-Apr-04	NR	40	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	ND		ND
	14-Oct-04	NR	40	ND	NS	AB	ND	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	ND		ND
	5-Apr-05	NR	40	ND	NS	AB	WL	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	WL		ND
	5-Oct-05	NR	40	ND	ND	AB	WL	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	WL		ND
	21-Apr-06	NR	40	ND	ND	AB	WL	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	WL		ND
	12-Oct-06	NR	40	ND	ND	AB	WL	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	WL		ND
	26-Apr-07	NR	25	ND	ND	AB	WL	AB	ND	ND	ND	ND	ND	WL	AB	AB	ND	WL		ND
	10-Oct-07	0.42	25.0	0.6 J	ND	AB	WL	AB	2.5 J	1.2 J	ND	0.8 J	1.2 J	WL	AB	AB	ND	WL		ND
GWPS = 3.5 µg/L (10/23/07)	2-Apr-08	0.07	25.0	2.0 J	0.3 J	AB	WL	AB	1.6 J	1.1 J	0.3 J	1.0 J	1.2 J	WL	AB	AB	1.1 J	WL		ND
	28-Oct-08	0.07	25.0	4.2 J	2.1 J	AB	WL	AB	3.3 J	1.9 J	1 B	1.7 J	2 J	WL	AB	AB	2.7 J	WL		0.2 J

TABLE 6

SUMMARY OF HISTORICAL GROUNDWATER CONSTITUENTS
TUSCARORA INTERIM REGIONAL LANDFILL

Constituent	Date	DL	RL	Concentrations (ug/L)																													Blanks	
				Background				Downgradient																									
				IRL-1S		IRL-1D		IRL-2S		IRL-2SA	IRL-2D		IRL-3S		IRL-3D		IRL-4S		IRL-4D		IRL-5S		IRL-5D		IRL-6S		IRL-6D		MW-A		MW-B		
Zinc	Jul-93	NR	10	42	B	41	B	10	B	NI	15	B	11	B	43	B	14	B	293		ND		301		ND		25	B	NI		NI	10	
	Aug-93	NR	10	37		18		11		NI	14		ND		ND		16		25		ND		64		12		22		NI		NI	ND	
	Sep-93	NR	10	31		20		ND		NI	ND		ND		13		ND		57		ND		12		ND		ND		NI		NI	ND	
	Sep-93	NR	10	73		88		17		NI	27		22		26		14		41		11		29		12		24		NI		NI	ND	
	Apr-94	NR	10	36	B	19	B	42	B	NI	21	B	155		24	B	25	B	30	B	48	B	22	B	34	B	ND		NI		NI	20	
	Oct-94	NR	50	ND		ND		ND		NI	ND		ND		ND		ND		ND		97		ND		ND		ND		NI		NI	ND	
	Apr-95	NR	50	ND		ND		ND		NI	ND		ND		ND		ND		ND		803		ND		ND		25		NI		NI	ND	
	Oct-95	NR	50	ND		ND		ND		NI	ND		ND		ND		ND		ND		ND		ND		ND		ND		NI		NI	ND	
	Apr-96	NR	50	ND		ND		ND		NI	ND		ND		ND		ND		ND		ND		ND		ND		ND		NI		NI	ND	
	Oct-96	NR	50	ND		NS		ND		NI	AB		ND		ND		ND		ND		ND		WL		ND		AB		NI		NI	ND	
	Apr-97	NR	50	ND		NS		ND		NI	AB		ND		ND		ND		ND		1425		WL		ND		AB		NI		NI	ND	
	Oct-97	NR	50	110		NS		ND		NI	AB		ND		ND		ND		ND		1240		WL		ND		AB		NI		NI	ND	
	Apr-98	NR	50	ND		NS		ND		NI	AB		ND		ND		ND		ND		6340		WL		ND		AB		NI		NI	ND	
	Oct-98	NR	50	ND		NS		ND		NI	AB		ND		ND		ND		ND		54		WL		AB		AB		NI		NI	ND	
	Mar-99	NR	50	ND		NS		ND		NI	AB		ND		ND		ND		ND		1608		WL		AB		AB		NI		NI	ND	
	Oct-99	NR	50	ND		NS		AB		NI	AB		ND		ND		ND		ND		65		WL		AB		AB		NI		NI	ND	
	Apr-00	NR	50	90		NS		AB		NI	AB		ND		ND		ND		ND		596		WL		AB		AB		NI		NI	ND	
	Oct-00	NR	50	ND		NS		AB		NI	AB		ND		ND		ND		ND		74		WL		AB		AB		NI		NI	ND	
	Apr-01	NR	50	ND		NS		AB		ND	AB		ND		ND		ND		ND		1204		WL		AB		AB		NS		NS	ND	
	Oct-01	NR	50	ND		NS		AB		ND	AB		ND		ND		ND		ND		362		WL		AB		AB		NS		NS	ND	
	Apr-02	NR	50	ND		NS		AB		ND	AB		ND		ND		ND		ND		124		WL		AB		AB		ND		ND	ND	
	Oct-02	NR	50	ND		NS		AB		ND	AB		ND		ND		ND		ND		131		WL		AB		AB		ND		ND	ND	
	Apr-03	NR	50	ND		NS		AB		ND	AB		ND		ND		ND		ND		112		WL		AB		AB		ND		ND	ND	
	Oct-03	NR	50	ND		NS		AB		ND	AB		ND		ND		ND		ND		277		WL		AB		AB		ND		ND	ND	
	15-Apr-04	NR	50	ND		NS		AB		ND	AB		ND		ND		ND		ND		364		WL		AB		AB		ND		ND	ND	
	14-Oct-04	NR	50	ND		NS		AB		ND	AB		ND		ND		ND		ND		63		WL		AB		AB		ND		ND	ND	
	5-Apr-05	NR	50	ND		NS		AB		WL	AB		ND		ND		ND		ND		132		WL		AB		AB		ND		WL	ND	
	5-Oct-05	NR	50	ND		192		AB		WL	AB		ND		ND		ND		ND		280		WL		AB		AB		ND		WL	ND	
	21-Apr-06	NR	50	ND		ND		AB		WL	AB		ND		ND		ND		ND		76		WL		AB		AB		ND		WL	ND	
	12-Oct-06	NR	50	ND		ND		AB		WL	AB		ND		ND		ND		ND		172		WL		AB		AB		ND		WL	ND	
	26-Apr-07	NR	10	ND		ND		AB		WL	AB		ND		ND		ND		ND		30		WL		AB		AB		ND		WL	ND	
	10-Oct-07	0.20	10.0	7.5	B	5.3	B	AB		WL	AB		3.8	B	3.0	B	7.4	B	6.8	B	55		WL		AB		AB		5.2	B	WL	6.6	
NC 2L = 1,050 µg/L (10/23/07)	2-Apr-08	0.04	10.0	5.5	B	14	B	AB		WL	AB		3.3	B	2.1	B	4.4	B	1.6	B	37		WL		AB		AB		11	B	WL	6.3	J
	28-Oct-08	0.04	10.0	6.8	J	6.6	J	AB		WL	AB		7.8	J	3.8	J	8.7	J	3.0	J	415		WL		AB		AB		6.8	J	WL	0.4	J
Resample	23-Dec-08	4.46	10.0	NS		NS		AB		NS	AB		NS		NS		NS		NS		86		NS		AB		AB		NS		NS	NA	
1,1-Dichloroethylene	10-Oct-07	0.14	5.0	ND		ND		AB		WL	AB		ND		ND		ND		ND		2.80	J	WL		AB		AB		3.10	J	WL	ND	
NC 2L = 7 µg/L (10/23/07) Resample	4-Dec-07	0.56	1.0	NS		NS		AB		NS	AB		NS		NS		NS		NS		ND		NS		AB		AB		ND		NS	ND	
	2-Apr-08	0.14	5.0	ND		ND		AB		WL	AB		ND		ND		ND		ND		ND		WL		AB		AB		ND		WL	ND	
	28-Oct-08	0.14	5.0	ND		ND		AB		WL	AB		ND		ND		ND		ND		ND		WL		AB		AB		ND		WL	ND	
2-Butanone	10-Oct-07	0.85	100.0	2.70	J	3.30	J	AB		WL	AB		4.00	J	4.10	J	3.00	J	4.40	J	2.70	J	WL		AB		AB		3.90	J	WL	ND	
NC 2L = 4,200 µg/L (10/23/07) Resample	4-Dec-07	0.96	5.0	ND		ND		AB		NS	AB		ND		ND		ND		ND		ND		NS		AB		AB		ND		NS	ND	
	2-Apr-08	0.85	100.0	ND		ND		AB		WL	AB		ND		ND		ND		ND		ND		WL		AB		AB		ND		WL	ND	
	28-Oct-08	0.85	100.0	ND		ND		AB		WL	AB		ND		ND		ND		ND		ND		WL		AB		AB		ND		WL	ND	
Acetone	10-Oct-07	1.21	100.0	2.20	J	2.70	J	AB		WL	AB		7.40	J	3.40	J	2.60	J	4.90	J	ND		WL		AB		AB		ND		WL	ND	
NC 2L = 700 µg/L (10/23/07) Resample	4-Dec-07	2.2	25.0	ND		ND		AB		NS	AB		ND		ND		ND		ND		NS		NS		AB		AB		NS		NS	ND	
	2-Apr-08	1.21	100.0	3.50	B	6.60	B	AB		WL	AB		4.90	B	4.90	B	4.00	B	3.60	B	3.90	B	WL		AB		AB		4.20	B	WL	1.50	J
	28-Oct-08	1.21	100.0	ND		ND		AB		WL	AB		ND		ND		ND		ND		1.90	J	WL		AB		AB		ND		WL	ND	
Chloromethane	10-Oct-07	0.18	1.0	0.50	J	0.60	J	AB		WL	AB		0.80	J	0.70	J	0.50	J	0.90	J	0.50	J	WL		AB		AB		0.80	J	WL	ND	
NC 2L = 2.6 µg/L (10/23/07) Resample	4-Dec-07	0.11	1.0	ND		ND		AB		NS	AB		ND		ND		ND		ND		ND		NS		AB		AB		ND		NS	ND	
	2-Apr-08	0.18	1.0	ND		ND		AB		WL	AB		ND		ND		ND		ND		ND		WL		AB		AB		ND		WL	ND	
	28-Oct-08	0.18	1.0	ND		ND		AB		WL	AB		ND		ND		ND		ND		ND		WL		AB		AB		ND		WL	ND	

Notes:
1. All concentrations are in micrograms per liter (mg/L).
2. IRL = Interim Regional Landfill monitoring well
3. RL = Laboratory reporting limit (NC SWSL or lower from October 2007 to present).
4. ND = Not detected above laboratory reporting limit.
5. B = Blank-qualified data; result is expected to be biased high based on concentrations in the blanks.
6. NC 2L = North Carolina 2L Groundwater Standards.
7. GWPS = Groundwater Protection Standards.
8. When the NC 2L has not been established, the GWPS will be used.
9. Shaded values are above the NC 2L Groundwater Standards or Groundwater Protection Standards.
10. NA = Data not available.
11. DL = Laboratory detection limit.
12. J = Estimated value between the DL and the RL
13. NI = Well/Piezometer not installed.
14. AB = Abandoned.
15. NS = Not sampled and/or no water level measurements taken.
16. NR = Not Reported.
17. WL = May be monitored for water levels only.

TABLE 7

SUMMARY OF FIELD PARAMETERS
TUSCARORA INTERIM REGIONAL LANDFILL

Field Parameters	Date	Background		Downgradient												
		IRL-1S	IRL-1D	IRL-2S	IRL-2SA	IRL-2D	IRL-3S	IRL-3D	IRL-4S	IRL-4D	IRL-5S	IRL-5D	IRL-6S	IRL-6D	MW-A	MW-B
Conductivity	Jun-93	1000	480	30	NI	580	430	520	370	600	800	590	310	460	NI	NI
[uMhos]	Aug-93	59	240	110	NI	360	370	300	240	330	600	290	110	260	NI	NI
	Sep-93	75	300	150	NI	530	420	450	250	460	880	400	150	400	NI	NI
	Sep-93	74	280	150	NI	520	360	440	270	460	860	360	130	390	NI	NI
	Apr-94	76	350	140	NI	570	360	620	290	560	990	460	77	460	NI	NI
	Oct-94	130	280	130	NI	820	570	820	270	730	1000	82	82	420	NI	NI
	Apr-95	67	360	160	NI	560	240	670	290	520	1900	490	69	450	NI	NI
	Oct-95	65	270	260	NI	660	260	700	330	520	1300	480	75	450	NI	NI
	Apr-96	79	360	340	NI	580	700	320	290	520	1500	450	77	440	NI	NI
	Oct-96	63	NS	NA	NI	AB	410	530	250	400	1000	WL	87	AB	NI	NI
	Apr-97	80	NS	640	NI	AB	330	690	270	530	1800	WL	NA	AB	NI	NI
	Oct-97	84	NS	630	NI	AB	720	270	270	490	1200	WL	NA	AB	NI	NI
	Apr-98	73	NS	700	NI	AB	360	770	240	520	1400	WL	110	AB	NI	NI
	Oct-98	74	NS	600	NI	AB	480	750	230	490	1200	WL	AB	AB	NI	NI
	Mar-99	77	NS	810	NI	AB	880	760	760	520	1200	WL	AB	AB	NI	NI
	Oct-99	74	NS	AB	NI	AB	960	710	490	490	800	WL	AB	AB	NI	NI
	Apr-00	74	NS	AB	NI	AB	1100	1400	170	500	900	WL	AB	AB	NI	NI
	Oct-00	76	NS	AB	NI	AB	1160	720	230	500	900	WL	AB	AB	NI	NI
	Apr-01	67	NS	AB	64	AB	1100	710	190	470	840	WL	AB	AB	NS	NS
	Oct-01	74	NS	AB	170	AB	1000	710	200	500	1700	WL	AB	AB	NS	NS
	Apr-02	68	NS	AB	120	AB	950	710	200	450	1700	WL	AB	AB	90	120
	Oct-02	19	NS	AB	448	AB	970	830	192	550	1848	WL	AB	AB	98	132
	Apr-03	100	NS	AB	329	AB	1082	804	215	486	1024	WL	AB	AB	86	157
	Oct-03	96	NS	AB	182	AB	1110	849	205	506	1393	WL	AB	AB	81	180
	15-Apr-04	64	NS	AB	120	AB	700	600	170	360	590	WL	AB	AB	56	100
	14-Oct-04	99	NS	AB	183	AB	775	712	239	482	1188	WL	AB	AB	86	123
	5-Apr-05	96	NS	AB	WL	AB	1033	942	287	601	1491	WL	AB	AB	89	WL
	27-Oct-05	105	195	AB	WL	AB	876	775	250	502	1323	WL	AB	AB	91	WL
	21-Apr-06	104	231	AB	WL	AB	927	736	271	553	1424	WL	AB	AB	79	WL
	12-Oct-06	101	164	AB	WL	AB	784	672	278	515	126	WL	AB	AB	87	WL
	26-Apr-07	103	155	AB	WL	AB	850	721	287	536	1287	WL	AB	AB	75	WL
	10-Oct-07	105	192	AB	WL	AB	850	702	354	550	1570	WL	AB	AB	98	WL
Resample	4-Dec-07	109.2	357	AB	WL	AB	963	1052	379	610	1829	WL	AB	AB	108.7	WL
	2-Apr-08	109	169	AB	WL	AB	1096	713	253	540	1272	WL	AB	AB	86	WL
	28-Oct-08	109	217	AB	WL	AB	935	931	266	533	1468	WL	AB	AB	103	WL
pH	Jun-93	5.3	6.3	6.1	NI	6.2	5.4	6.3	5.7	6.1	6	6.4	5.8	6.2	NI	NI
[units]	Aug-93	5.5	6.5	6.3	NI	6.8	6	6.8	6.4	6.9	6.2	6.8	6.3	7	NI	NI
	Sep-93	5.9	6.6	5.7	NI	6.5	5.9	6.5	6.7	7	6.1	6.6	6.5	6.7	NI	NI
	Sep-93	6.1	6.5	5.8	NI	6.1	5.9	6.5	5.7	6.3	6.4	6.9	6.6	6.6	NI	NI
	Apr-94	5.9	6.1	5.4	NI	6.4	5.7	6.5	6.2	6.7	6.4	6.8	6.4	6.7	NI	NI
	Oct-94	5.2	6.4	5.2	NI	6.7	5.7	6.7	6	6.8	6.2	7	5.5	6.8	NI	NI
	Apr-95	5.7	6.1	5.5	NI	6.4	6	6.2	6.2	6.6	6.2	3.8	6.2	6.6	NI	NI
	Oct-95	5	6.4	5.6	NI	6.7	5.4	6.6	5.9	6.8	6.2	6.9	5.3	7	NI	NI
	Apr-96	5	6.3	5.8	NI	6.6	6.7	6	6.1	6.7	6.4	7	5.5	6.6	NI	NI
	Oct-96	5.2	NS	NA	NI	AB	6	6	6.4	6.4	5.8	WL	6	AB	NI	NI
	Apr-97	6.1	NS	6.3	NI	AB	6.2	6.5	6.1	6.6	6.2	WL	NA	AB	NI	NI
	Oct-97	5.3	NS	5.8	NI	AB	5.9	5.6	5.6	6.1	5.8	WL	NA	AB	NI	NI
	Apr-98	5.8	NS	6.5	NI	AB	5.4	6.4	5.6	6.8	6.1	WL	5.2	AB	NI	NI
	Oct-98	5.5	NS	6.1	NI	AB	5.6	6.3	5.7	6.7	6	WL	AB	AB	NI	NI
	Mar-99	5.2	NS	6.3	NI	AB	5.7	6.5	6.0	6.7	6	WL	AB	AB	NI	NI
	Oct-99	4.9	NS	AB	NI	AB	5.9	6.4	6.8	6.8	5.7	WL	AB	AB	NI	NI
	Apr-00	5.2	NS	AB	NI	AB	5.8	6.4	5.7	6.9	5.8	WL	AB	AB	NI	NI
	Oct-00	4.8	NS	AB	NI	AB	5.7	6.4	5.5	6.6	5.2	WL	AB	AB	NI	NI
	Apr-01	4.9	NS	AB	4.8	AB	5.6	6.5	5.4	6.6	5.5	WL	AB	AB	NS	NS
	Oct-01	5	NS	AB	4.9	AB	5.8	6.6	5.6	6.9	6.1	WL	AB	AB	NS	NS
	Apr-02	4.7	NS	AB	4.3	AB	5.7	6.3	5.3	6.4	6.0	WL	AB	AB	5.2	4.5
	Oct-02	5.1	NS	AB	4.1	AB	6.0	6.4	5.3	7.0	6.1	WL	AB	AB	5.2	4.7
	Apr-03	5.1	NS	AB	4.3	AB	6.1	6.5	5.3	6.8	5.8	WL	AB	AB	5.2	4.7
	Oct-03	4.8	NS	AB	4.3	AB	5.8	6.3	5.1	6.7	5.9	WL	AB	AB	5.0	4.8
	15-Apr-04	5.3	NS	AB	4.4	AB	6.4	5.6	5.8	6.8	6.4	WL	AB	AB	5.4	5.8
	14-Oct-04	4.9	NS	AB	4.4	AB	6.1	6.5	5.3	6.9	6.1	WL	AB	AB	4.9	4.8
	5-Apr-05	5.1	NS	AB	WL	AB	6.3	6.7	5.2	7.0	6.1	WL	AB	AB	5.1	WL
	27-Oct-05	4.9	6.6	AB	WL	AB	6	6.5	5.1	6.9	6.2	WL	AB	AB	5.1	WL
	21-Apr-06	5.0	6.3	AB	WL	AB	6.2	7.0	5.4	7.9	6.0	WL	AB	AB	5.0	WL
	12-Oct-06	5.0	6.1	AB	WL	AB	6.2	6.6	5.1	6.8	6.1	WL	AB	AB	5.2	WL
	26-Apr-07	4.9	6.1	AB	WL	AB	6.2	6.7	5.4	6.9	6.1	WL	AB	AB	5.0	WL
	10-Oct-07	5.2	6.2	AB	WL	AB	6.2	6.8	5.8	7.0	6.4	WL	AB	AB	5.3	WL
Resample	4-Dec-07	6.60	6.29	AB	WL	AB	7.08	6.60	6.64	7.39	6.26	WL	AB	AB	6.61	WL
	8-Apr-08	4.9	6.7	AB	WL	AB	5.6	6.8	5.2	6.8	6.0	WL	AB	AB	5.0	WL
	28-Oct-08	4.7	6.3	AB	WL	AB	6.0	6.5	5.3	6.9	6.3	WL	AB	AB	5.2	WL

TABLE 7

SUMMARY OF FIELD PARAMETERS
TUSCARORA INTERIM REGIONAL LANDFILL

Field Parameters	Date	Background		Downgradient												
		IRL-1S	IRL-1D	IRL-2S	IRL-2SA	IRL-2D	IRL-3S	IRL-3D	IRL-4S	IRL-4D	IRL-5S	IRL-5D	IRL-6S	IRL-6D	MW-A	MW-B
Temperature	Jun-93	22	20	23	NI	20	23	22	23	21	23	21	22	21	NI	NI
[°C]	Aug-93	23	20	22	NI	21	22	22	23	20	24	21	23	20	NI	NI
	Sep-93	23	20	24	NI	20	25	20	24	20	25	20	24	21	NI	NI
	Sep-93	23	21	24	NI	21	24	21	23	20	24	22	24	21	NI	NI
	Apr-94	18	18	17	NI	17	16	16	15	16	16	16	15	15	NI	NI
	Oct-94	21	18	21	NI	20	21	19	21	19	21	20	21	20	NI	NI
	Apr-95	15	15	15	NI	17	16	16	16	16	16	16	15	16	NI	NI
	Oct-95	22	20	22	NI	20	22	20	22	22	22	21	22	20	NI	NI
	Apr-96	12	13	13	NI	14	13	13	13	13	13	14	12	12	NI	NI
	Oct-96	20	NS	NA	NI	AB	22	22	22	22	22	WL	22	AB	NI	NI
	Apr-97	13	NS	14	NI	AB	15	14	15	15	14	WL	NA	AB	NI	NI
	Oct-97	18	NS	21	NI	AB	17	19	19	18	20	WL	NA	AB	NI	NI
	Apr-98	15	NS	16	NI	AB	15	16	15	17	15	WL	15	AB	NI	NI
	Oct-98	19	NS	21	NI	AB	21	19	21	20	21	WL	AB	AB	NI	NI
	Mar-99	12	NS	16	NI	AB	17	17	17	18	17	WL	AB	AB	NI	NI
	Oct-99	21	NS	AB	NI	AB	20	20	21	21	21	WL	AB	AB	NI	NI
	Apr-00	15	NS	AB	NI	AB	15	17	19	18	15	WL	AB	AB	NI	NI
	Oct-00	18	NS	AB	NI	AB	18	20	21	20	16	WL	AB	AB	NI	NI
	Apr-01	15	NS	AB	15	AB	18	17	16	15	15	WL	AB	AB	NS	NS
	Oct-01	19	NS	AB	20	AB	20	20	21	21	21	WL	AB	AB	NS	NS
	Apr-02	15	NS	AB	16	AB	15	15	16	17	17	WL	AB	AB	17	16
	Oct-02	24	NS	AB	26	AB	23	22	24	23	24	WL	AB	AB	25	25
	Apr-03	15	NS	AB	17	AB	16	16	15	16	17	WL	AB	AB	16	16
	Oct-03	20	NS	AB	21	AB	21	20	21	22	21	WL	AB	AB	21	21
	15-Apr-04	13	NS	AB	14	AB	13	13	14	14	15	WL	AB	AB	13	13
	14-Oct-04	20	NS	AB	21	AB	21	21	22	22	22	WL	AB	AB	21	21
	5-Apr-05	15	NS	AB	WL	AB	15	15	15	15	15	WL	AB	AB	15	WL
	27-Oct-05	20	17	AB	WL	AB	22	22	23	23	23	WL	AB	AB	21	WL
	21-Apr-06	20	18	AB	WL	AB	14	16	15	15	18	WL	AB	AB	18	WL
	12-Oct-06	20	18	AB	WL	AB	22	19	23	21	23	WL	AB	AB	21	WL
	26-Apr-07	16	17	AB	WL	AB	17	18	16	18	17	WL	AB	AB	17	WL
	10-Oct-07	19	18	AB	WL	AB	22	19	23	20	24	WL	AB	AB	20	WL
Resample	4-Dec-07	16.7	16.7	AB	WL	AB	18.2	16.8	18.6	18.8	18.7	WL	AB	AB	16.9	WL
	2-Apr-08	15	17	AB	WL	AB	17	17	16	19	16	WL	AB	AB	16	WL
	28-Oct-08	19	19	AB	WL	AB	20	20	21	21	21	WL	AB	AB	19	WL
Turbidity	Jun-93	NA	NA	NA	NI	NA	NA	NA	NA	NA	NA	NA	NA	NA	NI	NI
[NTU]	Aug-93	NA	NA	NA	NI	NA	NA	NA	NA	NA	NA	NA	NA	NA	NI	NI
	Sep-93	NA	NA	NA	NI	NA	NA	NA	NA	NA	NA	NA	NA	NA	NI	NI
	Sep-93	NA	NA	NA	NI	NA	NA	NA	NA	NA	NA	NA	NA	NA	NI	NI
	Apr-94	NA	NA	NA	NI	NA	NA	NA	NA	NA	NA	NA	NA	NA	NI	NI
	Oct-94	NA	NA	NA	NI	NA	NA	NA	NA	NA	NA	NA	NA	NA	NI	NI
	Apr-95	NA	NA	NA	NI	NA	NA	NA	NA	NA	NA	NA	NA	NA	NI	NI
	Oct-95	NA	NA	NA	NI	NA	NA	NA	NA	NA	NA	NA	NA	NA	NI	NI
	Apr-96	NA	NA	NA	NI	NA	NA	NA	NA	NA	NA	NA	NA	NA	NI	NI
	Oct-96	NA	NS	NA	NI	AB	NA	NA	NA	NA	NA	WL	NA	AB	NI	NI
	Apr-97	NA	NS	NA	NI	AB	NA	NA	NA	NA	NA	WL	NA	AB	NI	NI
	Oct-97	NA	NS	NA	NI	AB	NA	NA	NA	NA	NA	WL	NA	AB	NI	NI
	Apr-98	NA	NS	NA	NI	AB	NA	NA	NA	NA	NA	WL	NA	AB	NI	NI
	Oct-98	NA	NS	130	NI	AB	60	180	220	190	650	WL	AB	AB	NI	NI
	Mar-99	650	NS	290	NI	AB	85	180	180	270	95	WL	AB	AB	NI	NI
	Oct-99	600	NS	AB	NI	AB	10	23	17	17	5.9	WL	AB	AB	NI	NI
	Apr-00	170	NS	AB	NI	AB	18	40	33	40	13	WL	AB	AB	NI	NI
	Oct-00	700	NS	AB	NI	AB	31	90	7.1	34	21	WL	AB	AB	NI	NI
	Apr-01	140	NS	AB	50	AB	21	60	12	27	10	WL	AB	AB	NS	NS
	Oct-01	106	NS	AB	68	AB	74	139	34	18	26	WL	AB	AB	NS	NS
	Apr-02	90	NS	AB	12	AB	40	35	5.3	25	19	WL	AB	AB	140	5.9
	Oct-02	280	NS	AB	19	AB	45	190	9.2	38	100	WL	AB	AB	75	4.0
	Apr-03	90	NS	AB	6.9	AB	45	110	9.4	39	27	WL	AB	AB	110	8.8
	Oct-03	65	NS	AB	13	AB	31	30	19	60	55	WL	AB	AB	160	40
	15-Apr-04	200	NS	AB	100	AB	45	35	37	32	36	WL	AB	AB	110	13
	14-Oct-04	75	NS	AB	13	AB	85	80	8.9	240	80	WL	AB	AB	95	5.9
	5-Apr-05	100	NS	AB	WL	AB	40	18	13	25	32	WL	AB	AB	75	WL
	27-Oct-05	90	>1000	AB	WL	AB	22	29	14	36	19	WL	AB	AB	85	WL
	21-Apr-06	8.9	14	AB	WL	AB	5.5	32	7.3	53	25	WL	AB	AB	4.1	WL
	12-Oct-06	5.1	40	AB	WL	AB	21	140	1.6	37	170	WL	AB	AB	20	WL
	26-Apr-07	7.0	4.0	AB	WL	AB	22	160	200	200	90	WL	AB	AB	25	WL
	10-Oct-07	11	10	AB	WL	AB	58	65	12	45	110	WL	AB	AB	22	WL
Resample	4-Dec-07	79.4	14.97	AB	WL	AB	15.00	525	47.5	64.6	9.42	WL	AB	AB	73.3	WL
	2-Apr-08	40	9.5	AB	WL	AB	3.5	28	7.7	55	11	WL	AB	AB	20	WL
	28-Oct-08	80	50	AB	WL	AB	36	37	36	40	38	WL	AB	AB	86	WL

Notes:
1. NA = Data not available.
2. NI = Well/Piezometer not installed.
3. AB = Abandoned.
4. NS = Not sampled and/or no water level measurements taken.
5. WL = May be monitored for water levels only.

TABLE 8

SUMMARY OF HISTORICAL GROUNDWATER CONSTITUENTS
TUSCARORA LONG-TERM REGIONAL LANDFILL

Constituent	Date	DL	RL	Concentrations (µg/L)																											
				Background				Downgradient																						Blanks	
				MW-12S		MW-12D		MW-7		MW-8		MW-9		MW-10		MW-11S		MW-11D		MW-13S		MW-13D		MW-14		MW-14R			
Antimony	Jul-99	NR	30	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Aug-99	NR	30	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-99	NR	30	NI		NI		ND		ND		40		ND		ND		ND		NI		NI		NI		NI		ND	
	Nov-99	NR	30	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Apr-00	NR	30	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-00	NR	30	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Apr-01	NR	30	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-01	NR	30	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Apr-02	NR	30	ND		ND		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-02	NR	30	ND		ND		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Apr-03	NR	30	ND		ND		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-03	NR	30	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NI		ND	
	15-Apr-04	NR	30	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NI		ND	
	14-Oct-04	NR	30	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		ND		NI		ND	
	5-Apr-05	NR	30	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		ND		NI		ND	
	27-Oct-05	NR	30	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		ND		NI		ND	
	21-Apr-06	NR	30	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		ND		NI		ND	
	12-Oct-06	NR	30	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		AB		NI		ND	
	26-Apr-07	NR	6.0	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		AB		NI		ND	
	11-Oct-07	0.05	6.0	ND		ND		0.1	B	ND		AB		ND		ND		ND		ND		ND		AB		0.1	B	0.1	J
GWPS = 1.4 ug/L (10/23/07)	3-Apr-08	0.44	6.0	ND		0.5	J	0.1	J	ND		AB		ND		ND		0.5	J	0.1	J	ND		AB		ND		ND	
	28-Oct-08	0.44	6.0	0.1	J	ND		0.9	J	0.2	J	AB		0.1	J	ND		ND		ND		ND		AB		ND		ND	
Arsenic	Jul-99	NR	10	NI		NI		37		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Aug-99	NR	10	NI		NI		13		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-99	NR	10	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Nov-99	NR	10	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Apr-00	NR	10	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-00	NR	10	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Apr-01	NR	10	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-01	NR	10	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Apr-02	NR	10	ND		ND		10		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-02	NR	10	ND		ND		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Apr-03	NR	10	ND		ND		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-03	NR	10	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NI		ND	
	15-Apr-04	NR	10	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NI		ND	
	14-Oct-04	NR	10	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		ND		NI		ND	
	5-Apr-05	NR	10	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		ND		NI		ND	
	27-Oct-05	NR	10	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		ND		NI		ND	
	21-Apr-06	NR	10	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		ND		NI		ND	
	12-Oct-06	NR	10	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		AB		NI		ND	
	26-Apr-07	NR	10	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		AB		NI		ND	
	11-Oct-07	0.47	10.0	6.6	J	ND		3.5	J	4.3	J	AB		1.8	J	0.5	J	ND		9.4	J	ND		AB		1.0	J	ND	
NC 2L = 50 µg/L (10/23/07)	3-Apr-08	0.57	10.0	1.4	J	ND		1.0	B	1.3	J	AB		4.1	J	0.2	B	ND		1.3	J	ND		AB		0.2	B	0.2	J
	28-Oct-08	0.57	10.0	1	B	0.8	B	2.4	B	5.3	J	AB		3.1	J	0.4	B	0.2	B	1.3	B	0.5	B	AB		0.7	B	0.5	J
Barium	Jul-99	NR	500	NI		NI		869		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Aug-99	NR	500	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-99	NR	500	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Nov-99	NR	500	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Apr-00	NR	500	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-00	NR	500	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Apr-01	NR	500	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-01	NR	500	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Apr-02	NR	500	ND		ND		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-02	NR	500	ND		ND		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Apr-03	NR	500	ND		ND		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-03	NR	500	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NI		ND	
	15-Apr-04	NR	500	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NI		ND	
	14-Oct-04	NR	500	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		ND		NI		ND	
	5-Apr-05	NR	500	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		ND		NI		ND	
	27-Oct-05	NR	500	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		ND		NI		ND	
	21-Apr-06	NR	500	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		ND		NI		ND	
	12-Oct-06	NR	500	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		AB		NI		ND	
	26-Apr-07	NR	100	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		AB		NI		ND	
	11-Oct-07	0.04	100.0	81.8	J	47.4	J	63.3	J	32.7	J	AB		44.8	J	45.7	J	40.7	J	42.2	J	46.4	J	AB		42.8	J	0.2	J
NC 2L = 2,000 µg/L (10/23/07)	3-Apr-08	0.11	100.0	88.6	J	36.7	J	67.3	J	43.6	J	AB		40.1	J	45.8	J	44	J	43.0	J	35.0	J	AB		44.9	J	0.4	J
	28-Oct-08	0.11	100.0	85.2	J	30.9	J	115		80.3	J	AB		55.1	J	111		37.9	J	51.1	J	37.9	J	AB		50.7	J	0.7	J

TABLE 8

SUMMARY OF HISTORICAL GROUNDWATER CONSTITUENTS
TUSCARORA LONG-TERM REGIONAL LANDFILL

Constituent	Date	DL	RL	Concentrations (µg/L)												
				Background		Downgradient										Blanks
				MW-12S	MW-12D	MW-7	MW-8	MW-9	MW-10	MW-11S	MW-11D	MW-13S	MW-13D	MW-14	MW-14R	
Beryllium	Jul-99	NR	2	NI	NI	5	ND	ND	ND	ND	ND	NI	NI	NI	NI	ND
	Aug-99	NR	2	NI	NI	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	ND
	Oct-99	NR	2	NI	NI	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	ND
	Nov-99	NR	2	NI	NI	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	ND
	Apr-00	NR	2	NI	NI	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	ND
	Oct-00	NR	2	NI	NI	ND	ND	6	ND	ND	ND	NI	NI	NI	NI	ND
	Apr-01	NR	2	NI	NI	ND	ND	5	ND	ND	ND	NI	NI	NI	NI	ND
	Oct-01	NR	2	NI	NI	ND	2	9	ND	ND	ND	NI	NI	NI	NI	ND
	Apr-02	NR	2	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	ND
	Oct-02	NR	2	ND	ND	ND	ND	3	ND	ND	ND	NI	NI	NI	NI	ND
	Apr-03	NR	2	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	ND
	Oct-03	NR	2	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NI	ND
	15-Apr-04	NR	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NI	ND
	14-Oct-04	NR	2	ND	ND	ND	ND	AB	ND	ND	ND	ND	ND	ND	NI	ND
	5-Apr-05	NR	2	ND	ND	ND	ND	AB	ND	ND	ND	ND	ND	ND	NI	ND
	27-Oct-05	NR	2	ND	ND	ND	ND	AB	ND	ND	ND	ND	ND	ND	NI	ND
	21-Apr-06	NR	2	ND	ND	ND	ND	AB	ND	ND	ND	ND	ND	ND	NI	ND
	12-Oct-06	NR	2	ND	ND	ND	ND	AB	ND	ND	ND	ND	ND	AB	NI	ND
	26-Apr-07	NR	1.0	ND	ND	ND	ND	AB	ND	ND	ND	ND	ND	AB	NI	ND
	11-Oct-07	0.08	1.0	0.1 J	ND	0.2 J	0.2 J	AB	0.2 J	0.1 J	0.1 J	0.1 J	ND	AB	0.1 J	ND
GWPS = 4 µg/L (10/23/07)	3-Apr-08	0.06	1.0	0.3 J	ND	ND	0.3 J	AB	0.2 J	1.5	0.1 J	0.3 J	ND	AB	0.2 J	ND
	28-Oct-08	0.06	1.0	0.9 J	0.1 J	0.4 J	0.8 J	AB	0.3 J	1.2 J	0.1 J	0.4 J	ND	AB	0.3 J	ND
Cadmium	Jul-99	NR	1	NI	NI	1	ND	ND	ND	ND	ND	NI	NI	NI	NI	ND
	Aug-99	NR	1	NI	NI	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	ND
	Oct-99	NR	1	NI	NI	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	ND
	Nov-99	NR	1	NI	NI	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	ND
	Apr-00	NR	1	NI	NI	ND	ND	ND	1	ND	ND	NI	NI	NI	NI	ND
	Oct-00	NR	1	NI	NI	ND	ND	2	ND	ND	ND	NI	NI	NI	NI	ND
	Apr-01	NR	1	NI	NI	ND	ND	3	ND	ND	ND	NI	NI	NI	NI	ND
	Oct-01	NR	1	NI	NI	ND	ND	2	ND	ND	ND	NI	NI	NI	NI	ND
	Apr-02	NR	1	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	ND
	Oct-02	NR	1	ND	ND	1	ND	2	ND	ND	ND	NI	NI	NI	NI	ND
	Apr-03	NR	1	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	ND
	Oct-03	NR	1	ND	ND	ND	ND	ND	1	ND	ND	NS	NS	NS	NI	ND
	15-Apr-04	NR	1	ND	2	ND	ND	ND	3	3	ND	ND	ND	ND	NI	ND
	14-Oct-04	NR	1	ND	ND	ND	ND	AB	ND	ND	ND	ND	1	ND	NI	ND
	5-Apr-05	NR	1	ND	ND	1	ND	AB	ND	ND	ND	ND	ND	ND	NI	ND
	27-Oct-05	NR	1	ND	ND	ND	ND	AB	ND	ND	ND	ND	ND	ND	NI	ND
	21-Apr-06	NR	1	ND	ND	ND	ND	AB	ND	ND	ND	ND	ND	ND	NI	ND
	12-Oct-06	NR	1	ND	ND	ND	ND	AB	ND	ND	ND	ND	ND	AB	NI	ND
	26-Apr-07	NR	1.0	ND	ND	ND	ND	AB	ND	ND	ND	ND	ND	AB	NI	ND
	11-Oct-07	0.06	1.0	0.2 B	0.1 B	0.6 J	0.1 B	AB	0.1 B	0.5 B	0.1 B	0.1 B	0.1 B	AB	0.9 J	0.1 J
NC 2L = 1.75 µg/L (10/23/07)	3-Apr-08	0.05	1.0	0.4 J	0.1 J	0.2 J	0.1 J	AB	0.2 J	0.2 J	0.3 J	0.1 J	ND	AB	0.1 J	ND
	28-Oct-08	0.05	1.0	0.2 J	0.2 J	0.3 J	0.2 J	AB	0.1 J	0.3 J	0.2 J	0.5 J	0.1 J	AB	0.2 J	ND
Chromium	Jul-99	NR	10	NI	NI	112	35	ND	ND	ND	ND	NI	NI	NI	NI	ND
	Aug-99	NR	10	NI	NI	29	38	10	ND	23	ND	NI	NI	NI	NI	ND
	Oct-99	NR	1	NI	NI	14	ND	ND	ND	ND	ND	NI	NI	NI	NI	ND
	Nov-99	NR	10	NI	NI	22	36	ND	ND	ND	ND	NI	NI	NI	NI	ND
	Apr-00	NR	10	NI	NI	11	43	37	ND	24	ND	NI	NI	NI	NI	ND
	Oct-00	NR	10	NI	NI	16	ND	ND	ND	ND	ND	NI	NI	NI	NI	ND
	Apr-01	NR	10	NI	NI	11	ND	ND	ND	ND	ND	NI	NI	NI	NI	ND
	Oct-01	NR	10	NI	NI	38	65	ND	ND	39	ND	NI	NI	NI	NI	ND
	Apr-02	NR	10	ND	ND	43	12	ND	ND	ND	ND	NI	NI	NI	NI	ND
	Oct-02	NR	10	ND	ND	15	ND	ND	ND	ND	ND	NI	NI	NI	NI	ND
	Apr-03	NR	10	ND	ND	ND	ND	ND	ND	ND	ND	NI	NI	NI	NI	ND
	Oct-03	NR	10	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NI	ND
	15-Apr-04	NR	10	ND	ND	18	ND	ND	ND	ND	ND	17	ND	ND	NI	ND
	14-Oct-04	NR	10	ND	ND	ND	ND	AB	ND	ND	ND	ND	ND	ND	NI	ND
	5-Apr-05	NR	10	ND	ND	ND	ND	AB	ND	ND	ND	ND	ND	ND	NI	ND
	27-Oct-05	NR	10	ND	ND	ND	ND	AB	ND	ND	ND	ND	ND	ND	NI	ND
	21-Apr-06	NR	10	ND	ND	ND	ND	AB	ND	ND	ND	ND	ND	ND	NI	ND
	12-Oct-06	NR	10	ND	ND	ND	ND	AB	ND	ND	ND	ND	ND	AB	NI	ND
	26-Apr-07	NR	10	ND	ND	ND	ND	AB	ND	ND	ND	ND	ND	AB	NI	ND
	11-Oct-07	0.24	10.0	ND	ND	4.8 B	1.1 B	AB	0.3 B	ND	ND	0.5 B	ND	AB	ND	1.2 J
NC 2L = 50 µg/L (10/23/07)	3-Apr-08	0.11	10.0	ND	ND	0.4 J	1.0 J	AB	0.4 J	0.5 J	ND	0.3 J	ND	AB	ND	ND
	28-Oct-08	0.11	10.0	ND	0.7 J	7.9 J	9.5 J	AB	0.9 J	0.7 J	ND	0.9 J	0.4 J	AB	3.1 J	ND

TABLE 8

SUMMARY OF HISTORICAL GROUNDWATER CONSTITUENTS
TUSCARORA LONG-TERM REGIONAL LANDFILL

Constituent	Date	DL	RL	Concentrations (µg/L)																													
				Background				Downgradient																								Blanks	
				MW-12S		MW-12D		MW-7		MW-8		MW-9		MW-10		MW-11S		MW-11D		MW-13S		MW-13D		MW-14		MW-14R			
Cobalt	Jul-99	NR	10	NI		NI		13		24		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Aug-99	NR	10	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-99	NR	10	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Nov-99	NR	10	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Apr-00	NR	10	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-00	NR	10	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Apr-01	NR	10	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-01	NR	10	NI		NI		ND		ND		12		ND		ND		ND		NI		NI		NI		NI		ND	
	Apr-02	NR	10	ND		ND		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-02	NR	10	ND		ND		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Apr-03	NR	10	ND		ND		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-03	NR	10	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NI		ND	
	15-Apr-04	NR	10	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NI		ND	
	14-Oct-04	NR	10	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		ND		NI		ND	
	5-Apr-05	NR	10	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		ND		NI		ND	
	27-Oct-05	NR	10	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		ND		NI		ND	
	21-Apr-06	NR	10	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		ND		NI		ND	
	12-Oct-06	NR	10	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		AB		NI		ND	
	26-Apr-07	NR	10	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		AB		NI		ND	
	11-Oct-07	0.41	10.0	1.4	J	ND		0.7	J	ND		AB		ND		1.0	J	ND		ND		ND		AB		2.7	J	ND	
GWPS = 70 µg/L (10/23/07)	3-Apr-08	0.03	10.0	4.6	J	0.1	J	1.8	J	0.4	J	AB		0.7	J	3.1	J	0.1	J	0.3	J	0.1	J	AB		0.9	J	ND	
	28-Oct-08	0.03	10.0	2.8	J	0.2	J	0.8	J	1	J	AB		0.5	J	2.8	J	0.1	J	0.4	J	0.2	J	AB		0.7	J	ND	
Copper	Jul-99	NR	200	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Aug-99	NR	10	NI		NI		10		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-99	NR	200	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Nov-99	NR	200	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Apr-00	NR	200	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-00	NR	200	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Apr-01	NR	200	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-01	NR	200	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Apr-02	NR	200	ND		ND		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-02	NR	200	ND		ND		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Apr-03	NR	200	ND		ND		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-03	NR	200	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NI		ND	
	15-Apr-04	NR	200	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NI		ND	
	14-Oct-04	NR	200	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		ND		NI		ND	
	5-Apr-05	NR	200	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		ND		NI		ND	
	27-Oct-05	NR	200	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		ND		NI		ND	
	21-Apr-06	NR	200	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		ND		NI		ND	
	12-Oct-06	NR	200	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		AB		NI		ND	
	26-Apr-07	NR	10	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		AB		NI		ND	
	11-Oct-07	0.20	10.0	0.9	B	ND		1.2	B	0.5	B	AB		0.3	B	0.4	B	0.2	B	0.6	B	0.2	B	AB		3.3	J	0.4	J
NC 2L = 1,000 µg/L (10/23/07)	3-Apr-08	0.05	10.0	0.7	B	0.3	B	0.8	B	0.6	B	AB		0.7	B	0.6	B	0.3	B	0.6	B	0.1	B	AB		1.2	J	0.2	J
	28-Oct-08	0.05	10.0	1.1	B	0.8	B	2.1	B	1.7	B	AB		0.9	B	0.8	B	0.3	B	1.5	B	0.9	B	AB		2.8	B	1.1	J
Lead	Jul-99	NR	10	NI		NI		129		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Aug-99	NR	10	NI		NI		18		14		ND		ND		17		ND		NI		NI		NI		NI		ND	
	Oct-99	NR	10	NI		NI		12		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Nov-99	NR	10	NI		NI		ND		14		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Apr-00	NR	10	NI		NI		ND		17		14		ND		15		ND		NI		NI		NI		NI		ND	
	Oct-00	NR	10	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Apr-01	NR	10	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-01	NR	10	NI		NI		16		19		ND		ND		18		ND		NI		NI		NI		NI		ND	
	Apr-02	NR	10	ND		ND		21		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-02	NR	10	ND		ND		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Apr-03	NR	10	ND		ND		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-03	NR	10	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NI		ND	
	15-Apr-04	NR	10	ND		ND		ND		ND		ND		ND		ND		ND		10		ND		ND		NI		ND	
	14-Oct-04	NR	10	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		ND		NI		ND	
	5-Apr-05	NR	10	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		ND		NI		ND	
	27-Oct-05	NR	10	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		ND		NI		ND	
	21-Apr-06	NR	10	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		ND		NI		ND	
	12-Oct-06	NR	10	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		AB		NI		ND	
	26-Apr-07	NR	10	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		AB		NI		ND	
	11-Oct-07	0.07	10.0	0.2	B	ND		3.0	J	1.6	J	AB		0.3	B	0.1	B	ND		1.1	J	0.1	B	AB		0.3	B	0.1	J
NC 2L = 15 µg/L (10/23/07)	3-Apr-08	0.32	10.0	0.1	B	0.1	B	0.5	B	1.4	J	AB		0.9	J	1.4	J	0.1	B	0.5	B	ND		AB		0.3	B	0.1	J
	28-Oct-08	0.32	10.0	0.3	B	0.4	B	7.2	J	8	J	AB		1.3	J	1.1	J	0.1	B	0.8	J	0.5	B	AB		2.5	J	0.1	J
Nickel	11-Oct-07	0.66	50.0	2.0	J	1.6	J	2.3	J	ND		AB		0.7	J	1.8	J	1.8	J	0.8	J	1.2	J	AB		3.6	J	ND	
NC 2L = 100 µg/L (10/23/07)	3-Apr-08	0.06	50.0	4.3	J	2.0	J	4.0	J	0.8	B	AB		1.4	B	4.8	J	2.4	J	0.7	B	1.6	J	AB		1.4	B	0.3	J
	28-Oct-08	0.06	50.0	3.5	J	2.7	J	4	J	2.2	J	AB		1	B	4.9	J	2	J	1.1	J	2.0	J	AB		1.6	J	0.2	J

TABLE 8

SUMMARY OF HISTORICAL GROUNDWATER CONSTITUENTS
TUSCARORA LONG-TERM REGIONAL LANDFILL

Constituent	Date	DL	RL	Concentrations (µg/L)																											
				Background				Downgradient																						Blanks	
				MW-12S		MW-12D		MW-7		MW-8		MW-9		MW-10		MW-11S		MW-11D		MW-13S		MW-13D		MW-14		MW-14R			
Selenium	11-Oct-07	0.35	10.0	2.6	B	ND		1.4	B	ND		AB		0.4	B	0.8	B	ND		ND		ND		AB		ND		0.9	J
NC 2L = 50 µg/L (10/23/07)	3-Apr-08	0.51	10.0	3.1	B	ND		0.7	B	0.2	B	AB		0.7	B	0.3	B	ND		0.3	B	ND		AB		0.2	B	1.5	J
	28-Oct-08	0.51	10.0	3.1	B	ND		0.9	B	0.3	B	AB		0.7	B	0.5	B	ND		0.6	B	ND		AB		0.6	B	1.9	J
Silver	3-Apr-08	0.04	10.0	ND		0.1	J	ND		0.1	J	AB		ND		ND		0.1	J	ND		ND		AB		ND		ND	
NC 2L = 17.5 µg/L (10/23/07)	28-Oct-08	0.04	10.0	0.1	B	ND		0.1	B	0.1	B	AB		ND		ND		ND		0.1	B	0.1	B	AB		ND		0.1	J
Thallium	11-Oct-07	0.07	5.0	0.2	J	ND		0.1	J	ND		AB		0.1	J	ND		ND		0.1	J	0.1	J	AB		ND		ND	
GWPS = 0.28 µg/L (10/23/07)	3-Apr-08	0.63	5.0	ND		0.1	J	0.1	J	ND		AB		ND		ND		0.1	J	ND		ND		AB		ND		ND	
	28-Oct-08	0.63	5.0	0.1	J	0.1	J	0.2	J	0.1	J	AB		ND		ND		ND		0.1	J	ND		AB		0.1	J	ND	
Vanadium	Jul-99	NR	40	NI		NI		167		52		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Aug-99	NR	40	NI		NI		41		47		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-99	NR	40	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Nov-99	NR	40	NI		NI		ND		47		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Apr-00	NR	40	NI		NI		ND		57		43		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-00	NR	40	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Apr-01	NR	40	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-01	NR	40	NI		NI		55		83		ND		ND		64		ND		NI		NI		NI		NI		ND	
	Apr-02	NR	40	ND		ND		67		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-02	NR	40	ND		ND		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Apr-03	NR	40	ND		ND		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-03	NR	40	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NI		ND	
	15-Apr-04	NR	40	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NI		ND	
	14-Oct-04	NR	40	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		ND		NI		ND	
	5-Apr-05	NR	40	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		ND		NI		ND	
	27-Oct-05	NR	40	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		ND		NI		ND	
	21-Apr-06	NR	40	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		ND		NI		ND	
	12-Oct-06	NR	40	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		AB		NI		ND	
	26-Apr-07	NR	25	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		AB		NI		ND	
	11-Oct-07	0.42	25.0	0.9	J	ND		8.6	J	3.8	J	AB		0.6	J	ND		ND		2.7	J	ND		AB		ND		ND	
GWPS = 3.5 µg/L (10/23/07)	3-Apr-08	0.07	25.0	0.3	B	0.3	B	1.7	J	3.6	J	AB		2.1	J	1.9	J	0.2	B	1.1	J	0.2	B	AB		0.3	B	0.1	J
	28-Oct-08	0.07	25.0	0.4	B	1.0	B	14.1	J	14	J	AB		3.1	J	1.9	J	0.4	B	1.5	J	0.9	B	AB		3.9	J	0.2	J
Zinc	Jul-99	NR	50	NI		NI		113		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Aug-99	NR	50	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-99	NR	50	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Nov-99	NR	50	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Apr-00	NR	50	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-00	NR	50	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Apr-01	NR	50	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-01	NR	50	NI		NI		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Apr-02	NR	50	ND		ND		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-02	NR	50	ND		ND		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Apr-03	NR	50	ND		ND		ND		ND		ND		ND		ND		ND		NI		NI		NI		NI		ND	
	Oct-03	NR	50	11		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NI		ND	
	15-Apr-04	NR	50	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		NI		ND	
	14-Oct-04	NR	50	ND		ND		72		ND		AB		ND		ND		ND		ND		ND		ND		NI		ND	
	5-Apr-05	NR	50	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		ND		NI		ND	
	27-Oct-05	NR	50	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		ND		NI		ND	
	21-Apr-06	NR	50	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		ND		NI		ND	
	12-Oct-06	NR	50	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		AB		NI		ND	
	26-Apr-07	NR	10	ND		ND		13		ND		AB		ND		ND		ND		ND		ND		AB		NI		ND	
	11-Oct-07	0.20	10.0	22	B	2.1	B	28	B	4.9	B	AB		4.7	B	5.4	B	2.5	B	6.1	B	3.4	B	AB		14	B	6.6	J
NC 2L = 1,050 µg/L (10/23/07)	3-Apr-08	0.04	10.0	26		1.9	B	15		3.7	B	AB		7.8	B	8.7	B	4.7	B	4.7	B	2.1	B	AB		5.7	B	2.2	J
	28-Oct-08	0.04	10.0	20		15		22		11		AB		5.8	J	7.6	J	3.8	J	13		8.3	J	AB		17		0.4	J
Acetone	11-Oct-07	1.21	100.0	ND		ND		1.40	J	ND		AB		1.40	J	ND		ND		ND		ND		AB		ND		ND	
Resample	4-Dec-07	2.2	25.0	NS		NS		ND		NS		AB		ND		NS		NS		NS		NS		AB		NS		4.3	J
NC 2L = 700 µg/L (10/23/07)	3-Apr-08	1.21	100.0	5.20	B	4.50	B	4.30	B	2.30	B	AB		2.30	B	2.20	B	2.00	B	5.00	B	3.80	B	AB		4.40	B	2.10	J
	28-Oct-08	1.21	100.0	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		AB		ND		1.30	J
2-Butanone	3-Apr-08	0.85	100.0	0.90	J	ND		ND		1.50	J	AB		1.40	J	ND		ND		ND		ND		AB		ND		ND	
Resample	15-May-08	0.96	100.0	ND		NS		NS		ND		AB		ND		NS		NS		NS		NS		AB		NS		ND	
NC 2L = 4,200 µg/L (10/23/07)	28-Oct-08	0.85	100.0	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		AB		ND		ND	
Chloromethane	11-Oct-07	0.18	1.0	0.90	J	0.70	J	0.80	J	0.80	J	AB		0.90	J	0.80	J	0.90	J	0.90	J	0.70	J	AB		0.90	J	ND	
Resample	4-Dec-07	0.11	1.0	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		AB		ND		ND	
NC 2L = 2.6 µg/L (10/23/07)	3-Apr-08	0.18	1.0	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		AB		ND		ND	
	28-Oct-08	0.18	1.0	ND		ND		ND		ND		AB		ND		ND		ND		ND		ND		AB		0.20	J	ND	

TABLE 8

SUMMARY OF HISTORICAL GROUNDWATER CONSTITUENTS
TUSCARORA LONG-TERM REGIONAL LANDFILL

Constituent	Date	Concentrations (µg/L)															
		DL	RL	Background		Downgradient										Blanks	
				MW-12S	MW-12D	MW-7	MW-8	MW-9	MW-10	MW-11S	MW-11D	MW-13S	MW-13D	MW-14	MW-14R		
Methylene Chloride	11-Oct-07	0.14	1.0	ND	ND	ND	ND	AB	ND	0.20 B	ND	ND	ND	AB	ND	0.20	J
NC 2L = 4.6 µg/L (10/23/07)	3-Apr-08	0.14	1.0	ND	ND	ND	ND	AB	ND	ND	ND	ND	ND	AB	ND	ND	
	28-Oct-08	0.14	1.0	ND	ND	0.20 J	0.20 J	AB	0.20 J	0.20 J	0.20 J	ND	ND	AB	ND	ND	

Notes:
1. All concentrations are in micrograms per liter (mg/L).
2. RL = Laboratory reporting limit (NC SWSL or lower from October 2007 to present).
3. ND = Not detected above laboratory reporting limit.
4. B = Blank-qualified data; result is expected to be biased high based on concentrations in the blanks
5. NC 2L = North Carolina 2L Groundwater Standards.
6. GWPS = Groundwater Protection Standards.
7. When the NC 2L has not been established, the GWPS will be used.
8. Shaded values are above the NC 2L Groundwater Standards or Groundwater Protection Standards.
9. DL = Laboratory detection limit.
10. J = Estimated value between the DL and the RL
11. NI = Well/Piezometer not installed.
12. AB = Abandoned.
13. NS = Not sampled and/or no water level measurements taken.
14. NR = Not Reported.

TABLE 9

SUMMARY OF FIELD PARAMETERS
TUSCARORA LONG-TERM REGIONAL LANDFILL

Field Parameters	Date	Background		Downgradient									
		MW-12S	MW-12D	MW-7	MW-8	MW-9	MW-10	MW-11S	MW-11D	MW-13S	MW-13D	MW-14	MW-14R
Conductivity	Jul-99	NI	NI	180	110	320	150	200	440	NI	NI	NI	NI
[uMhos]	Aug-99	NI	NI	210	100	580	200	170	450	NI	NI	NI	NI
	Oct-99	NI	NI	140	89	2000	150	200	420	NI	NI	NI	NI
	Nov-99	NI	NI	140	91	1600	150	270	430	NI	NI	NI	NI
	Apr-00	NI	NI	150	88	1800	140	270	420	NI	NI	NI	NI
	Oct-00	NI	NI	140	92	1200	130	30	410	NI	NI	NI	NI
	Apr-01	NI	NI	140	88	1300	120	290	390	NI	NI	NI	NI
	Oct-01	NI	NI	140	98	1200	120	250	410	NI	NI	NI	NI
	Apr-02	160	460	140	82	1600	110	290	370	NI	NI	NI	NI
	Oct-02	153	478	356	93	1650	132	288	500	NI	NI	NI	NI
	Apr-03	164	448	482	169	1857	167	406	440	NI	NI	NI	NI
	Oct-03	146	434	373	76	1497	144	411	426	NS	NS	NS	NI
	15-Apr-04	170	300	220	57	960	87	290	300	79	280	56	NI
	14-Oct-04	189	405	272	70	AB	121	344	406	127	391	79	NI
	5-Apr-05	146	489	299	67	AB	140	417	496	99	475	95	NI
	27-Oct-05	144	419	234	63	AB	125	353	430	114	396	138	NI
	21-Apr-06	184	465	216	64	AB	147	406	469	121	434	69	NI
	12-Oct-06	182	448	245	59	AB	130	358	448	109	416	AB	NI
	26-Apr-07	192	452	210	69	AB	143	310	448	103	415	AB	NI
	11-Oct-07	187	454	273	80	AB	128	229	439	119	409	AB	78
Resample	4-Dec-07	159.2	501	340	83.5	AB	128.9	232	497	146.4	482	AB	73.1
	3-Apr-08	155	481	453	64	AB	131	409	443	124	402	AB	71
Resample	15-May-08	164.2	NS	NS	67.4	AB	129.8	NS	NS	NS	NS	AB	NS
	28-Oct-08	140	437	528	63	AB	124.0	542	449	152	422	AB	75
pH	Jul-99	NI	NI	5.7	5.4	5.1	5.6	6.0	7.0	NI	NI	NI	NI
[units]	Aug-99	NI	NI	5.4	5.0	4.2	5.0	5.6	6.4	NI	NI	NI	NI
	Oct-99	NI	NI	5.3	4.8	5.8	5.4	5.1	6.8	NI	NI	NI	NI
	Nov-99	NI	NI	5.2	4.8	5.6	5.3	5.2	6.7	NI	NI	NI	NI
	Apr-00	NI	NI	5.0	5.0	6.0	5.3	5.4	7.2	NI	NI	NI	NI
	Oct-00	NI	NI	5.0	4.8	5.3	5.3	4.8	6.3	NI	NI	NI	NI
	Apr-01	NI	NI	4.7	4.8	4.7	4.9	4.4	6.3	NI	NI	NI	NI
	Oct-01	NI	NI	5.1	5.0	4.4	5.2	5.0	6.6	NI	NI	NI	NI
	Apr-02	5.4	6.3	4.7	4.7	5.2	5.2	4.9	6.4	NI	NI	NI	NI
	Oct-02	4.9	7.1	5.9	4.9	5.0	5.5	4.9	7.2	NI	NI	NI	NI
	Apr-03	5.1	7.1	5.9	4.6	6.2	5.5	4.5	7.0	NI	NI	NI	NI
	Oct-03	4.6	6.7	6.0	4.6	5.9	5.1	3.9	6.9	NS	NS	NS	NI
	Oct-03	6.6	7.3	7.0	6.7	6.7	6.4	5.2	7.2	6.8	7.2	8.0	NI
	14-Oct-04	5.4	7.0	10.0	5.0	AB	5.3	4.7	6.8	4.9	6.7	5.3	NI
	5-Apr-05	5.1	7.0	5.9	5.1	AB	5.3	4.5	6.8	5.2	7.1	4.8	NI
	27-Oct-05	5.1	6.9	5.8	5.1	AB	5.1	4.1	6.9	4.9	7.1	4.8	NI
	21-Apr-06	5.3	7.0	5.9	5.0	AB	5.2	4.0	7.1	5.1	7.2	4.9	NI
	12-Oct-06	5.3	7.0	6.0	4.8	AB	5.2	4.2	7.0	5.1	7.1	AB	NI
	26-Apr-07	5.4	7.1	6.1	5.0	AB	5.3	4.6	7.1	4.9	7.2	AB	NI
	11-Oct-07	5.3	7.0	5.8	5.3	AB	5.1	5.1	7.1	5.1	7.2	AB	5.3
Resample	4-Dec-07	5.46	6.01	6.20	6.55	AB	6.22	4.53	5.82	5.17	5.98	AB	5.95
	3-Apr-08	4.9	6.8	6.1	4.9	AB	5.3	3.7	6.7	4.9	7.1	AB	4.8
Resample	15-May-08	5.66	NS	NS	5.80	AB	5.69	NS	NS	NS	NS	AB	NS
	28-Oct-08	4.6	7.0	6.2	4.9	AB	5.0	3.9	6.9	4.7	7.0	AB	5.0

TABLE 9

SUMMARY OF FIELD PARAMETERS
TUSCARORA LONG-TERM REGIONAL LANDFILL

Field Parameters	Date	Background		Downgradient									
		MW-12S	MW-12D	MW-7	MW-8	MW-9	MW-10	MW-11S	MW-11D	MW-13S	MW-13D	MW-14	MW-14R
Temperature	Jul-99	NI	NI	20	23	21	23	20	24	NI	NI	NI	NI
[oC]	Aug-99	NI	NI	23	23	23	24	23	20	NI	NI	NI	NI
	Oct-99	NI	NI	20	21	20	21	20	21	NI	NI	NI	NI
	Nov-99	NI	NI	17	18	18	18	17	17	NI	NI	NI	NI
	Apr-00	NI	NI	15	15	15	14	14	17	NI	NI	NI	NI
	Oct-00	NI	NI	20	20	20	19	20	20	NI	NI	NI	NI
	Apr-01	NI	NI	17	15	14	14	14	14	NI	NI	NI	NI
	Oct-01	NI	NI	20	21	20	21	21	19	NI	NI	NI	NI
	Apr-02	17	17	17	18	17	17	17	16	NI	NI	NI	NI
	Oct-02	25	22	25	26	24	24	24	23	NI	NI	NI	NI
	Apr-03	16	18	15	15	16	16	15	15	NI	NI	NI	NI
	Oct-03	20	19	20	19	20	20	21	21	NS	NS	NS	NI
	15-Apr-04	15	17	15	16	14	14	14	12	15	14	15	NI
	14-Oct-04	21	20	21	21	AB	21	22	21	21	22	21	NI
	5-Apr-05	15	15	16	15	AB	14	15	15	14	14	13	NI
	27-Oct-05	21	21	21	21	AB	21	21	22	20	21	21	NI
	21-Apr-06	17	18	18	17	AB	16	15	17	16	17	17	NI
	12-Oct-06	22	19	22	23	AB	22	23	19	21	19	AB	NI
	26-Apr-07	17	18	17	17	AB	15	16	18	4.9	7.2	AB	NI
	11-Oct-07	21	19	22	22	AB	21	21	18	20	18	AB	22
Resample	4-Dec-07	18.2	18.9	17.4	18.5	AB	16.7	13.8	17.9	16.0	17.1	AB	16.9
	3-Apr-08	16	18	15	15	AB	14	15	17	16	17	AB	15
Resample	15-May-08	17.4	NS	NS	17.8	AB	17.1	NS	NS	NS	NS	AB	NS
	28-Oct-08	21	18	20	20	AB	19	20	20	18	19	AB	20
Turbidity	Jul-99	NI	NI	450	650	18	3	75	70	NI	NI	NI	NI
[NTU]	Aug-99	NI	NI	95	500	50	100	330	120	NI	NI	NI	NI
	Oct-99	NI	NI	250	110	100	31	15	26	NI	NI	NI	NI
	Nov-99	NI	NI	110	290	150	100	75	130	NI	NI	NI	NI
	Apr-00	NI	NI	50	500	140	37	22	25	NI	NI	NI	NI
	Oct-00	NI	NI	70	110	17	16	33	31	NI	NI	NI	NI
	Apr-01	NI	NI	80	70	14	12	32	34	NI	NI	NI	NI
	Oct-01	NI	NI	60	290	5	10	20	70	NI	NI	NI	NI
	Apr-02	14	24	35	32	25	11	24	8	NI	NI	NI	NI
	Oct-02	3.0	14	22	8.3	23	10	6.2	50	NI	NI	NI	NI
	Apr-03	60	120	33	120	24	22	12	21	NI	NI	NI	NI
	Oct-03	18	22	55	27	65	25	19	26	NS	NS	NS	NI
	15-Apr-04	70	29	65	400	40	32	37	21	220	65	75	NI
	14-Oct-04	39	26	38	40	AB	60	140	39	45	30	37	NI
	5-Apr-05	39	32	70	170	AB	65	27	12	190	38	100	NI
	27-Oct-05	19	39	200	110	AB	37	55	25	26	50	26	NI
	21-Apr-06	5.9	17	56	4.8	AB	4.2	1.6	37	3.7	132	1.5	NI
	12-Oct-06	19	160	50	24	AB	34	3.0	60	19	70	AB	NI
	26-Apr-07	200	130	95	12	AB	50	6.6	90	2.5	110	AB	NI
	11-Oct-07	80	90	90	45	AB	8.0	7.1	60	40	80	AB	4.4
Resample	4-Dec-07	53.1	50.4	90.3	811.0	AB	31.4	34.3	9.86	46.1	17.85	AB	28.8
	3-Apr-08	35	6.4	13	50	AB	75	7.2	65	26	33	AB	5.2
Resample	15-May-08	26.1	NS	NS	630	AB	31.6	NS	NS	NS	NS	AB	NS
	23-Oct-08	18	75	200	320	AB	70	60	40	28	60	AB	80

Notes:
1. NI = Well/Piezometer not installed.
2. AB = Abandoned.
3. NS = Not sampled and/or no water level measurements taken.

TABLE 10

SUMMARY OF HISTORICAL GROUNDWATER CONSTITUENTS
LEACHATE STORAGE LAGOON AREA

Constituent	Date	DL	RL	Concentrations (µg/L) Background LST-5S	Downgradient LST-1S	LST-1D	LST-2S	LST-2D	LST-3S	LST-3D	LST-4S	LST-4D	LST-5D	LST-6S	LST-6D	Blanks
Antimony	Jul-93	NR	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Aug-93	NR	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sep-93	NR	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sep-93	NR	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-94	NR	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	ND
	Oct-94	NR	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-95	NR	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-95	NR	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-96	NR	30	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-96	NR	30	ND	ND	ND	ND	ND	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-97	NR	30	ND	ND	ND	ND	ND	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-97	NR	30	ND	ND	ND	ND	ND	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-98	NR	30	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-98	NR	30	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Mar-99	NR	30	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-99	NR	30	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-00	NR	30	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-00	NR	30	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-01	NR	30	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-01	NR	30	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-02	NR	30	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-02	NR	30	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-03	NR	30	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-03	NR	30	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	15-Apr-04	NR	30	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	14-Oct-04	NR	30	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	5-Apr-05	NR	30	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	27-Oct-05	NR	30	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	21-Apr-06	NR	30	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	12-Oct-06	NR	30	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	26-Apr-07	NR	6.0	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	10-Oct-07	0.05	6.0	0.2 B	0.1 B	0.1 B	0.1 B	WL	0.1 B	WL	0.5 B	WL	0.1 B	0.1 B	WL	0.1 J
GWPS = 1.4 µg/L (10/23/07)	3-Apr-08	0.08	6.0	0.1 B	ND	ND	ND	WL	ND	WL	ND	WL	ND	0.5 B	WL	0.1 J
	28-Oct-08	0.08	6.0	0.6 J	ND	0.2 J	ND	WL	0.4 J	WL	0.1 J	WL	0.2 J	0.1 J	WL	ND
Arsenic	Jul-93	NR	5	ND	9	ND	ND	ND	ND	ND	16	ND	5	ND	27	ND
	Aug-93	NR	5	ND	ND	ND	ND	ND	ND	ND	15	ND	ND	ND	6	ND
	Sep-93	NR	5	ND	ND	ND	5	153	ND	ND	17	ND	ND	ND	ND	ND
	Sep-93	NR	5	ND	ND	ND	ND	8	ND	ND	37	ND	ND	ND	ND	ND
	Apr-94	NR	5	ND	ND	ND	ND	ND	ND	ND	9	ND	ND	ND	ND	ND
	Oct-94	NR	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-95	NR	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-95	NR	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-96	NR	10	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-96	NR	10	ND	ND	ND	ND	ND	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-97	NR	10	ND	ND	ND	ND	ND	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-97	NR	10	ND	ND	ND	ND	ND	ND	WL	18	WL	ND	ND	WL	ND
	Apr-98	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-98	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Mar-99	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-99	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-00	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-00	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-01	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-01	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-02	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-02	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-03	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-03	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	15-Apr-04	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	14-Oct-04	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	5-Apr-05	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	27-Oct-05	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	21-Apr-06	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	12-Oct-06	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	26-Apr-07	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	10-Oct-07	0.47	10.0	2.4 J	1.0 J	ND	3.0 J	WL	1.7 J	WL	13	WL	ND	1.0 J	WL	ND
NC 2L = 50 µg/L (10/23/07) Resample	4-Dec-07	2.7	5.0	NS	NS	NS	NS	NS	NS	NS	9.5	NS	NS	NS	NS	ND
	3-Apr-08	0.07	10.0	1.2 J	0.6 J	0.4 J	0.3 J	WL	1.7 J	WL	11	WL	0.4 J	0.5 J	WL	ND
	28-Oct-08	0.07	10.0	0.9 J	0.7 J	1.0 J	1.8 J	WL	1.7 J	WL	3.1 J	WL	0.8 J	1.5 J	WL	ND
Barium	Jul-93	NR	50	272	424	260	151	152	128	160	208	204	351	126	NA	ND
	Aug-93	NR	50	196	216	144	133	128	240	242	126	256	292	68	112	ND
	Sep-93	NR	50	92	71	212	75	460	79	104	194	94	120	61	62	ND
	Sep-93	NR	50	113	194	120	94	121	121	170	155	132	184	74	77	ND
	Apr-94	NR	50	ND	84	69	ND	94	ND	52	80	ND	62	90	ND	ND
	Oct-94	NR	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-95	NR	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-95	NR	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-96	NR	500	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-96	NR	500	ND	ND	ND	ND	ND	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-97	NR	500	ND	ND	ND	ND	ND	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-97	NR	500	ND	ND	ND	ND	ND	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-98	NR	500	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-98	NR	500	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Mar-99	NR	500	ND	ND	ND	ND	WL	ND	WL	ND	WL	WL	ND	WL	ND
	Oct-99	NR	500	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-00	NR	500	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-00	NR	500	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-01	NR	500	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-01	NR	500	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-02	NR	500	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-02	NR	500	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-03	NR	500	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-03	NR	500	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	15-Apr-04	NR	500	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	14-Oct-04	NR	500	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	5-Apr-05	NR	500	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	27-Oct-05	NR	500	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	21-Apr-06	NR	500	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	12-Oct-06	NR	500	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	26-Apr-07	NR	100	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	10-Oct-07	0.04	100.0	30.9 J	63.7 J	37.3 J	42 J	WL	91.5 J	WL	184	WL	51.8 J	34 J	WL	0.2 J
NC 2L = 2,000 µg/L (10/23/07)	3-Apr-08	0.11	100.0	27.9 J	66.0 J	38.9 J	36.8 J	WL	119	WL	58.3 J	WL	58.4 J	43.8 J	WL	ND
	28-Oct-08	0.11	100.0	34 J	53.5 J	47.6 J	64.8 J	WL	158	WL	66.2 J	WL	71.8 J	84.8 J	WL	0.2 J

TABLE 10

SUMMARY OF HISTORICAL GROUNDWATER CONSTITUENTS
LEACHATE STORAGE LAGOON AREA

Constituent	Date	DL	RL	Concentrations (ug/L) Background LST-5S	Downgradient LST-1S	LST-1D	LST-2S	LST-2D	LST-3S	LST-3D	LST-4S	LST-4D	LST-5D	LST-6S	LST-6D	Blanks
Beryllium	Jul-93	NR	1	3	4	ND	2	ND	2	ND	4	3	3	ND	4	ND
	Aug-93	NR	1	2	2	ND	2	ND	4	ND	3	ND	ND	ND	2	ND
	Sep-93	NR	1	1	ND	ND	2	25	2	ND	4	ND	ND	ND	ND	ND
	Sep-93	NR	1	2	3	ND	ND	1	2	1	4	ND	ND	ND	ND	ND
	Apr-94	NR	1	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	ND
	Oct-94	NR	2	ND	ND	ND	ND	ND	2	ND	2	ND	ND	ND	ND	ND
	Apr-95	NR	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-95	NR	2	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-96	NR	2	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-96	NR	2	ND	ND	ND	ND	ND	ND	WL	3	WL	ND	ND	WL	ND
	Apr-97	NR	2	ND	3	ND	ND	ND	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-97	NR	2	3	ND	ND	2	ND	ND	WL	3	WL	ND	ND	WL	ND
	Apr-98	NR	2	ND	ND	ND	2.1	WL	ND	WL	3.2	WL	ND	ND	WL	ND
	Oct-98	NR	2	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Mar-99	NR	2	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-99	NR	2	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-00	NR	2	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-00	NR	2	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-01	NR	2	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-01	NR	2	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-02	NR	2	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-02	NR	2	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-03	NR	2	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-03	NR	2	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	15-Apr-04	NR	2	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	14-Oct-04	NR	2	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	5-Apr-05	NR	2	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	27-Oct-05	NR	2	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	21-Apr-06	NR	2	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	12-Oct-06	NR	2	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	26-Apr-07	NR	1.0	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	10-Oct-07	0.08	1.0	ND	0.5 J	0.1 J	0.3 J	WL	0.5 J	WL	1.6	WL	0.1 J	0.1 J	WL	ND
GWPS = 4 ug/L (10/23/07)	3-Apr-08	0.06	1.0	ND	0.4 J	0.1 J	0.2 J	WL	1.2	WL	0.4 J	WL	0.2 J	0.2 J	WL	ND
	28-Oct-08	0.06	1.0	0.1 J	0.5 J	0.1 J	0.6 J	WL	1.0	WL	0.6 J	WL	0.3 J	0.4 J	WL	ND
Cadmium	Jul-93	NR	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND
	Aug-93	NR	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sep-93	NR	1	ND	ND	ND	ND	5	ND	ND	ND	ND	ND	ND	ND	ND
	Sep-93	NR	1	ND	ND	ND	ND	5	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-94	NR	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-94	NR	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-95	NR	1	ND	ND	ND	ND	ND	1	ND	1	ND	ND	ND	ND	ND
	Oct-95	NR	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-96	NR	1	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-96	NR	1	ND	ND	ND	ND	ND	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-97	NR	1	ND	ND	ND	ND	ND	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-97	NR	1	1	ND	ND	ND	ND	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-98	NR	1	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-98	NR	1	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Mar-99	NR	1	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-99	NR	1	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-00	NR	1	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-00	NR	1	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-01	NR	1	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-01	NR	1	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-02	NR	1	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-02	NR	1	2	ND	ND	ND	WL	ND	WL	ND	WL	1	ND	WL	ND
	Apr-03	NR	1	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-03	NR	1	ND	ND	ND	ND	WL	ND	WL	ND	WL	5	2	WL	ND
	15-Apr-04	NR	1	ND	3	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	14-Oct-04	NR	1	1	ND	2	ND	WL	ND	WL	ND	WL	1	1	WL	ND
	5-Apr-05	NR	1	ND	1	1	ND	WL	1	WL	1	WL	ND	2	WL	ND
	27-Oct-05	NR	1	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	21-Apr-06	NR	1	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	12-Oct-06	NR	1	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	26-Apr-07	NR	1.0	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	10-Oct-07	0.06	1.0	0.4 B	0.5 B	0.1 B	0.5 B	WL	0.5 B	WL	0.5 B	WL	0.2 B	1.1	WL	0.1 J
NC 2L = 1.75 ug/L (10/23/07)	3-Apr-08	0.04	1.0	0.1 J	0.1 J	ND	0.1 J	WL	0.3 J	WL	0.2 J	WL	0.1 J	0.4 J	WL	ND
	28-Oct-08	0.04	1.0	0.1 J	0.3 J	0.3 J	0.1 J	WL	0.4 J	WL	0.2 J	WL	0.1 J	0.1 J	WL	ND
Chromium	Jul-93	NR	5	36	72	14	32	8	7	ND	ND	26	8	ND	35	ND
	Aug-93	NR	5	18	17	ND	16	ND	23	ND	ND	ND	ND	ND	11	ND
	Sep-93	NR	5	19	12	ND	17	136	9	ND	ND	ND	ND	ND	6	ND
	Sep-93	NR	5	19	29	ND	8	9	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-94	NR	5	ND	9	34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-94	NR	10	ND	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-95	NR	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-95	NR	10	ND	ND	ND	22	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-96	NR	10	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-96	NR	10	ND	13	ND	ND	ND	ND	WL	27	WL	ND	10	WL	ND
	Apr-97	NR	10	16	32	ND	ND	ND	ND	WL	20	WL	10	14	WL	ND
	Oct-97	NR	10	15	ND	ND	16	ND	ND	WL	32	WL	21	33	WL	ND
	Apr-98	NR	10	32	ND	ND	12	WL	ND	WL	26	WL	ND	23	WL	ND
	Oct-98	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Mar-99	NR	10	17	11	ND	18	WL	ND	WL	34	WL	ND	10	WL	ND
	Oct-99	NR	10	ND	10	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-00	NR	5	28	170	ND	18	WL	ND	WL	51	WL	10	40	WL	ND
	Oct-00	NR	10	ND	ND	ND	11	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-01	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-01	NR	10	ND	ND	ND	18	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-02	NR	10	20	ND	ND	19	WL	ND	WL	40	WL	ND	ND	WL	ND
	Oct-02	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-03	NR	10	14	ND	ND	ND	WL	ND	WL	ND	WL	ND	10	WL	ND
	Oct-03	NR	10	14	ND	ND	17	WL	ND	WL	19	WL	ND	ND	WL	ND
	15-Apr-04	NR	10	11	20	ND	22	WL	ND	WL	ND	WL	11	13	WL	ND
	14-Oct-04	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	5-Apr-05	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	27-Oct-05	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	21-Apr-06	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	12-Oct-06	NR	10	ND	ND	ND	ND	WL	17	WL	ND	WL	ND	ND	WL	ND
	26-Apr-07	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	10-Oct-07	0.24	10.0	3.2 B	1.1 B	1.2 B	1.4 B	WL	1.6 B	WL	2 B	WL	1.4 B	2.2 B	WL	1.2 J
NC 2L = 50 ug/L (10/23/07)	3-Apr-08	0.11	10.0	0.5 J	ND	ND	1.2 J	WL	1.5 J	WL	2.1 J	WL	0.4 J	2.7 J	WL	ND
	28-Oct-08	0.11	10.0	3.9 J	5.4 J	1.3 J	8.8 J	WL	3.1 J	WL	7.7 J	WL	1.7 J	9.2 J	WL	ND

TABLE 10

SUMMARY OF HISTORICAL GROUNDWATER CONSTITUENTS
LEACHATE STORAGE LAGOON AREA

Constituent	Date	Concentrations (µg/L)														
		DL	RL	Background	Downgradient											Blanks
				LST-5S	LST-1S	LST-1D	LST-2S	LST-2D	LST-3S	LST-3D	LST-4S	LST-4D	LST-5D	LST-6S	LST-6D	
Cobalt	Jul-93	NR	20	29	36	28	2	25	71	24	258	28	21	ND	52	ND
	Aug-93	NR	20	ND	ND	ND	ND	ND	62	ND	117	ND	ND	24	42	ND
	Sep-93	NR	20	ND	ND	ND	ND	186	83	ND	205	ND	ND	ND	ND	ND
	Sep-93	NR	20	ND	ND	ND	ND	ND	61	ND	188	ND	ND	ND	ND	ND
	Apr-94	NR	10	19 B	25	35	18 B	37 B	81 B	41 B	37 B	31 B	31 B	20 B	36 B	18
	Oct-94	NR	10	ND	ND	ND	ND	ND	ND	ND	14	ND	ND	ND	ND	ND
	Apr-95	NR	10	ND	ND	ND	ND	ND	53	ND	14	ND	ND	ND	ND	ND
	Oct-95	NR	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-96	NR	10	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-96	NR	10	ND	ND	ND	ND	ND	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-97	NR	10	ND	ND	ND	ND	ND	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-97	NR	10	ND	ND	ND	ND	ND	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-98	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-98	NR	10	ND	ND	ND	ND	WL	13	WL	ND	WL	ND	ND	WL	ND
	Mar-99	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-99	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-00	NR	10	ND	ND	ND	ND	WL	11	WL	ND	WL	ND	ND	WL	ND
	Oct-00	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-01	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-01	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-02	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-02	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-03	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-03	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	15-Apr-04	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	14-Oct-04	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	5-Apr-05	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	27-Oct-05	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	21-Apr-06	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	12-Oct-06	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	26-Apr-07	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	10-Oct-07	0.41	10.0	0.5 J	0.5 J	ND	0.5 J	WL	5.8 J	WL	20	WL	ND	ND	WL	ND
GWPS = 70 µg/L (10/23/07)	3-Apr-08	0.03	10.0	0.5 J	0.4 J	0.4 J	0.4 J	WL	2.8 J	WL	2.3 J	WL	0.2 J	0.6 J	WL	ND
	28-Oct-08	0.03	10.0	0.3 J	0.7 J	0.7 J	0.8 J	WL	6.6 J	WL	1.8 J	WL	0.5 J	0.8 J	WL	ND
Copper	Jul-93	NR	10	23 B	62	25	26 B	24 B	17 B	26 B	22 B	28 B	ND	19 B	36 B	17
	Aug-93	NR	10	17 B	15	21	14 B	10 B	17 B	13 B	ND	12 B	11 B	16 B	33 B	19
	Sep-93	NR	10	18 B	24	12	ND	195	16 B	14 B	11 B	13 B	14 B	14 B	ND	11
	Sep-93	NR	10	19 B	27	12	36 B	46 B	29 B	35 B	44 B	31 B	10 B	38 B	37 B	39
	Apr-94	NR	10	33 B	45	ND	25 B	31 B	15 B	58 B	47 B	41 B	31 B	25 B	27 B	21
	Oct-94	NR	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-95	NR	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-95	NR	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-96	NR	200	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-96	NR	200	ND	ND	ND	ND	ND	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-97	NR	200	ND	ND	ND	ND	ND	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-97	NR	200	ND	ND	ND	ND	ND	ND	WL	ND	WL	17	ND	WL	ND
	Apr-98	NR	200	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-98	NR	200	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Mar-99	NR	200	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-99	NR	200	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-00	NR	200	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-00	NR	200	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-01	NR	200	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-01	NR	200	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-02	NR	200	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-02	NR	200	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-03	NR	200	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-03	NR	200	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	15-Apr-04	NR	200	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	14-Oct-04	NR	200	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	5-Apr-05	NR	200	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	27-Oct-05	NR	200	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	21-Apr-06	NR	200	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	12-Oct-06	NR	200	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	26-Apr-07	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	10-Oct-07	0.20	10.0	1.1 B	0.6 B	0.9 B	0.8 B	WL	0.7 B	WL	0.7 B	WL	0.3 B	1.0 B	WL	0.4 J
NC 2L = 1,000 µg/L (10/23/07)	3-Apr-08	0.05	10.0	0.7 B	0.5 B	0.2 B	0.5 B	WL	1.6 J	WL	1.1 J	WL	0.3 B	0.8 B	WL	0.2 J
	28-Oct-08	0.05	10.0	1.6 B	2.2 J	1.1 B	2.6 J	WL	1.9 B	WL	1.9 B	WL	1.2 B	2.3 J	WL	0.4 J
Lead	Jul-93	NR	5	34	67	ND	7	ND	ND	ND	ND	8	28	ND	13	ND
	Aug-93	NR	5	33	21	ND	15	ND	17	ND	ND	ND	ND	12	7	ND
	Sep-93	NR	5	17	ND	ND	13	102	ND	ND	ND	ND	ND	5	ND	ND
	Sep-93	NR	5	ND	16	ND	10	5	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-94	NR	5	ND	12	47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-94	NR	10	ND	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-95	NR	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-95	NR	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-96	NR	10	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-96	NR	10	ND	ND	ND	ND	ND	ND	WL	14	WL	ND	ND	WL	ND
	Apr-97	NR	10	10	ND	ND	ND	ND	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-97	NR	10	15	ND	ND	20	ND	ND	WL	41	WL	ND	33	WL	ND
	Apr-98	NR	10	17	ND	ND	ND	WL	22	WL	20	WL	ND	ND	WL	ND
	Oct-98	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Mar-99	NR	10	ND	ND	ND	ND	WL	ND	WL	12	WL	ND	ND	WL	ND
	Oct-99	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-00	NR	10	11	23	ND	ND	WL	18	WL	20	WL	10	15	WL	ND
	Oct-00	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-01	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-01	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-02	NR	10	ND	ND	ND	ND	WL	ND	WL	14	WL	ND	ND	WL	ND
	Oct-02	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Apr-03	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	Oct-03	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	15-Apr-04	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	14-Oct-04	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	5-Apr-05	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	27-Oct-05	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	21-Apr-06	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	12-Oct-06	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	26-Apr-07	NR	10	ND	ND	ND	ND	WL	ND	WL	ND	WL	ND	ND	WL	ND
	10-Oct-07	0.07	10.0	1.6 J	1.0 J	0.1 B	0.8 J	WL	1.0 J	WL	0.6 J	WL	0.1 B	1.8 J	WL	0.1 J
NC 2L = 15 µg/L (10/23/07)	3-Apr-08	0.04	10.0	0.8 J	0.6 J	0.2 J	1.1 J	WL	13	WL	5.0 J	WL	0.2 J	2.1 J	WL	ND
	28-Oct-08	0.04	10.0	2.5 J	4 J	0.6 J	8.5 J	WL	11	WL	9.5 J	WL	1 J	12	WL	0.1 J

TABLE 10

SUMMARY OF HISTORICAL GROUNDWATER CONSTITUENTS
LEACHATE STORAGE LAGOON AREA

Constituent	Date	DL	RL	Concentrations (µg/L) Background LST-5S		Downgradient LST-1S		LST-1D		LST-2S		LST-2D		LST-3S		LST-3D		LST-4S		LST-4D		LST-5D		LST-6S		LST-6D		Blanks	
Nickel	Jul-93	NR	10	35		52		36		18		28		63		17		253		47		ND		23		80		ND	
	Aug-93	NR	10	39	B	46		21		41	B	44	B	103		38	B	164		39	B	37	B	26	B	40	B	11	
	Sep-93	NR	10	20	B	23		51		23	B	240		89		20	B	212		15	B	20	B	12	B	15	B	17	
	Sep-93	NR	10	19		ND		ND		12		15		60		16		194		14		13		49		17		ND	
	Apr-94	NR	10	30	B	45		ND		26	B	32	B	87	B	19	B	44	B	45	B	50		17	B	39	B	20	
	Oct-94	NR	50	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
	Apr-95	NR	50	ND		ND		ND		ND		ND		61		ND		ND		ND		ND		ND		ND		ND	
	Oct-95	NR	50	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
	Apr-96	NR	50	ND		ND		ND		ND		NA		ND		ND		ND		ND		ND		ND		ND		ND	
	Oct-96	NR	50	ND		ND		ND		ND		ND		ND		WL		ND		WL		ND		ND		WL		ND	
	Apr-97	NR	50	ND		ND		ND		ND		ND		ND		WL		ND		WL		ND		ND		WL		ND	
	Oct-97	NR	50	ND		ND		ND		ND		ND		ND		WL		ND		WL		ND		ND		WL		ND	
	Apr-98	NR	50	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Oct-98	NR	50	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Mar-99	NR	50	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Oct-99	NR	50	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Apr-00	NR	50	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Oct-00	NR	50	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Apr-01	NR	50	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Oct-01	NR	50	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Apr-02	NR	50	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Oct-02	NR	50	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Apr-03	NR	50	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Oct-03	NR	50	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	15-Apr-04	NR	50	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	14-Oct-04	NR	50	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	5-Apr-05	NR	50	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	27-Oct-05	NR	50	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	21-Apr-06	NR	50	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	12-Oct-06	NR	50	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	26-Apr-07	NR	50	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	10-Oct-07	0.66	50.0	1.6	J	1.2	J	1.9	J	1.3	J	WL		7.4	J	WL		25.5	J	WL		2.2	J	1	J	WL		ND	
NC 2L = 100 µg/L (10/23/07)	3-Apr-08	0.06	50.0	2.1	J	0.6	B	2.4	J	0.5	B	WL		3.5	J	WL		2.5	J	WL		3.4	J	1.0	B	WL		0.3	J
	28-Oct-08	0.06	50.0	1.4	B	1.4	B	3.3	J	1.5	B	WL		8	J	WL		2.7	J	WL		3.3	J	1.9	J	WL		0.3	J
Selenium	Jul-93	NR	10	ND		ND		ND		ND		ND		ND		ND		ND		ND		49		ND		ND		ND	
	Aug-93	NR	10	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
	Sep-93	NR	10	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
	Sep-93	NR	10	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
	Apr-94	NR	10	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
	Oct-94	NR	20	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
	Apr-95	NR	20	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
	Oct-95	NR	20	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
	Apr-96	NR	20	ND		ND		ND		ND		NA		ND		ND		ND		ND		ND		ND		ND		ND	
	Oct-96	NR	20	ND		ND		ND		ND		ND		ND		WL		ND		WL		ND		ND		WL		ND	
	Apr-97	NR	20	ND		ND		ND		ND		ND		ND		WL		ND		WL		ND		ND		WL		ND	
	Oct-97	NR	20	ND		ND		ND		ND		ND		ND		WL		ND		WL		ND		ND		WL		ND	
	Apr-98	NR	20	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Oct-98	NR	20	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Mar-99	NR	20	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Oct-99	NR	20	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Apr-00	NR	20	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Oct-00	NR	20	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Apr-01	NR	20	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Oct-01	NR	20	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Apr-02	NR	20	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Oct-02	NR	20	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Apr-02	NR	20	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	5-Apr-05	NR	20	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	27-Oct-05	NR	20	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	21-Apr-06	NR	20	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	12-Oct-06	NR	20	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	26-Apr-07	NR	10	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	10-Oct-07	0.35	10.0	1.4	B	3.4	B	1.1	B	1.4	B	WL		1.3	B	WL		1.3	B	WL		1.1	B	1.0	B	WL		0.9	J
NC 2L = 50 µg/L (10/23/07)	3-Apr-08	0.14	10.0	0.9	J	1.7	J	ND		0.2	J	WL		0.9	J	WL		ND		WL		ND		0.2	J	WL		ND	
	28-Oct-08	0.14	10.0	0.3	J	0.8	J	ND		0.3	J	WL		0.3	J	WL		0.2	J	WL		0.2	J	0.2	J	WL		ND	
Silver	3-Apr-08	0.04	10.0	0.1	B	0.1	B	ND		ND		WL		0.1	B	WL		ND		WL		ND		0.1	B	WL		0.1	J
NC 2L = 17.5 µg/L (10/23/07)	28-Oct-08	0.04	10.0	ND		0.1	J	ND		ND		WL		0.1	J	WL		0.1	J	WL		0.1	J	0.1	J	WL		ND	
Thallium	10-Oct-07	0.07	5.0	ND		0.2	J	0.2	J	0.1	J	WL		ND		WL		ND		WL		ND		ND		WL		ND	
GWPS = 0.28 µg/L (10/23/07)	3-Apr-08	0.04	5.0	0.2	J	0.1	J	ND		0.1	J	WL		0.1	J	WL		0.1	J	WL		0.1	J	0.1	J	WL		ND	
	28-Oct-08	0.04	5.0	0.1	J	0.1	J	ND		0.1	J	WL		0.1	J	WL		0.1	J	WL		ND		0.2	J	WL		ND	
Vanadium	Jul-93	NR	2000	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
	Aug-93	NR	2000	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
	Sep-93	NR	2000	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
	Sep-93	NR	2000	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
	Apr-94	NR	40	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
	Oct-94	NR	40	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
	Apr-95	NR	40	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
	Oct-95	NR	40	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
	Apr-96	NR	40	ND		ND		ND		ND		NA		ND		ND		ND		ND		ND		ND		ND		ND	
	Oct-96	NR	40	ND		ND		ND		ND		ND		ND		WL		ND		WL		ND		ND		WL		ND	
	Apr-97	NR	40	ND		ND		ND		ND		ND		ND		WL		ND		WL		ND		ND		WL		ND	
	Oct-97	NR	40	ND		ND		ND		ND		ND		ND		WL		50		WL		ND		48		WL		ND	
	Apr-98	NR	40	43		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Oct-98	NR	40	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Mar-99	NR	40	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Oct-99	NR	40	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Apr-00	NR	40	40		ND		ND		ND		WL		ND		WL		64		WL		ND		50		WL		ND	
	Oct-00	NR	40	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Apr-01	NR	40	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Oct-01	NR	40	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Apr-02	NR	40	ND		ND		ND		ND		WL		ND		WL		55		WL		ND		ND		WL		ND	
	Oct-02	NR	40	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Apr-03	NR	40	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Oct-03	NR	40	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	15-Apr-04	NR	40	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	14-Oct-04	NR	40	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	5-Apr-05	NR	40	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	27-Oct-05	NR	40	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	21-Apr-06	NR	40	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	12-Oct-06	NR	40	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	26-Apr-07	NR	25	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	10-Oct-07	0.42	25.0	4.0	J	0.5	J	ND		1.3	J	WL		0.9	J	WL		3.2	J	WL		ND		3.1	J	WL		ND	
GWPS = 3.5 µg/L (10/23/07)	3-Apr-08	0.07	25.0	2.0	J	0.8	J	0.6	J	2.4	J	WL		2.5	J	WL		9.5	J	WL		0.8	J	4.6	J	WL		ND	
	28-Oct-08	0.07	25.0	6.5	J	6.9	J	1.6	J	11.7	J	WL		4.5	J	WL		10.3	J	WL		2	J	14.8	J	WL		0.2	J

TABLE 10

SUMMARY OF HISTORICAL GROUNDWATER CONSTITUENTS
LEACHATE STORAGE LAGOON AREA

Constituent	Date	Concentrations (µg/L)																													
		DL	RL	Background		Downgradient																								Blanks	
				LST-5S		LST-1S		LST-1D		LST-2S		LST-2D		LST-3S		LST-3D		LST-4S		LST-4D		LST-5D		LST-6S		LST-6D			
Zinc	Jul-93	NR	10	71		102		26		24	B	26	B	132		30	B	797		54		84		36	B	257		10	
	Aug-93	NR	10	45		36		17		31		20		182		67		294		20		23		43		116		ND	
	Sep-93	NR	10	13		12		30		23		660		135		22		404		10		ND		19		33		ND	
	Sep-93	NR	10	43		37		25		42		63		130		36		555		18		14		19		29		ND	
	Apr-94	NR	10	42	B	78		50		40	B	33	B	176		32	B	90	B	27	B	32	B	64	B	40	B	20	
	Oct-94	NR	50	800		ND		ND		ND		ND		88		ND		69		ND		ND		ND		ND		ND	
	Apr-95	NR	50	ND		ND		ND		ND		ND		128		ND		ND		ND		ND		ND		ND		ND	
	Oct-95	NR	50	ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND		ND	
	Apr-96	NR	50	ND		ND		ND		ND		NA		ND		ND		ND		ND		ND		ND		ND		ND	
	Oct-96	NR	50	ND		ND		ND		ND		ND		ND		WL		67		WL		ND		ND		WL		ND	
	Apr-97	NR	50	ND		ND		ND		ND		ND		ND		WL		51		WL		ND		ND		WL		ND	
	Oct-97	NR	50	91		ND		ND		ND		ND		ND		WL		129		WL		ND		ND		WL		ND	
	Apr-98	NR	50	ND		ND		ND		ND		WL		ND		WL		62		WL		ND		ND		WL		ND	
	Oct-98	NR	50	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Mar-99	NR	50	54		ND		ND		ND		WL		ND		WL		60		WL		ND		ND		WL		ND	
	Oct-99	NR	50	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Apr-00	NR	50	161		ND		ND		ND		WL		52		WL		67		WL		ND		ND		WL		ND	
	Oct-00	NR	50	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Apr-01	NR	50	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Oct-01	NR	50	62		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Apr-02	NR	50	105		ND		ND		ND		WL		ND		WL		77		WL		ND		ND		WL		ND	
	Oct-02	NR	50	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	Apr-03	NR	50	82		ND		ND		ND		WL		ND		WL		ND		WL		ND		148		WL		ND	
	Oct-03	NR	50	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	15-Apr-04	NR	50	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	14-Oct-04	NR	50	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	5-Apr-05	NR	50	55		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	27-Oct-05	NR	50	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	21-Apr-06	NR	50	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	16-Oct-06	NR	50	ND		ND		ND		ND		WL		68		WL		ND		WL		ND		ND		WL		ND	
	26-Apr-07	NR	10	22		ND		ND		ND		WL		17		WL		ND		WL		ND		11		WL		ND	
	10-Oct-07	0.20	10.0	17	B	3.8	B	4.9	B	7.7	B	WL		30	B	WL		53		WL		1.8	B	7.7	B	WL		6.6	J
NC 2L = 1,050 µg/L (10/23/07)	3-Apr-08	0.04	10.0	25	B	3.1	B	1.3	B	3.5	B	WL		24	B	WL		13	B	WL		4.4	B	15	B	WL		6.3	J
	28-Oct-08	0.04	10.0	18		8	J	6	J	11		WL		35		WL		15		WL		7.5	J	144		WL		0.9	J
2-Butanone	10-Oct-07	0.85	100.0	3.90	J	4.60	J	4.00	J	3.70	J	WL		3.80	J	WL		4.50	J	WL		4.10	J	2.90	J	WL		ND	
NC 2L = 4,200 µg/L (10/23/07) Resample	4-Dec-07	0.96	5.0	ND		ND		ND		ND		NS		ND		NS		ND		NS		ND		ND		NS		ND	
	3-Apr-08	0.85	100.0	ND		ND		0.90	J	ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
Resample	15-May-08	0.96	100	NS		NS		ND		NS		NS		NS		NS		NS		NS		NS		NS		NS		ND	
	28-Oct-08	0.85	100.0	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
Acetone	10-Oct-07	1.21	100.0	3.20	J	3.50	J	3.10	J	3.30	J	WL		2.90	J	WL		3.40	J	WL		3.50	J	2.50	J	WL		ND	
NC 2L = 700 µg/L (10/23/07) Resample	4-Dec-07	2.20	25.0	ND		ND		ND		ND		NS		ND		NS		ND		NS		ND		ND		NS		4.6	J
	2-Apr-08	1.21	100.0	2.20	B	2.40	B	1.60	B	2.00	B	WL		1.90	B	WL		2.30	B	WL		2.00	B	2.20	B	WL		1.60	J
	28-Oct-08	1.21	100.0	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
Bromomethane	10-Oct-07	0.26	10.0	ND		0.30	J	ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
NC 2L = NE (10/23/07) Resample	4-Dec-07	0.29	5.0	NS		ND		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		ND	
	2-Apr-08	0.26	10.0	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	28-Oct-08	0.26	10.0	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
Bromodichloromethane	3-Apr-08	0.13	10.0	1.40	J	ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
NC 2L = 0.56 µg/L (10/23/07) Resample	4-Jun-08	0.13	10.0	ND		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		ND	
	28-Oct-08	0.13	1.0	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
Chloromethane	10-Oct-07	0.18	1.0	ND		1.00		0.80	J	0.70	J	WL		0.90	J	WL		0.90	J	WL		0.70	J	0.60	J	WL		ND	
NC 2L = 2.6 µg/L (10/23/07) Resample	4-Dec-07	0.11	1.0	NS		ND		ND		ND		NS		ND		NS		ND		NS		ND		ND		NS		ND	
	3-Apr-08	0.18	1.0	ND		ND		ND		ND		WL		ND		WL		0.20	J	WL		ND		ND		WL		ND	
Resample	15-May-08	0.11	1.0	NS		NS		NS		NS		NS		NS		NS		ND		NS		NS		NS		NS		ND	
	28-Oct-08	0.18	1.0	ND		ND		ND		ND		WL		ND		WL		0.20	J	WL		ND		ND		WL		ND	
Methylene Chloride	10-Oct-07	0.14	1.0	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		0.20	J
NC 2L = 4.6 µg/L (10/23/07)	3-Apr-08	0.14	1.0	ND		ND		ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	
	28-Oct-08	0.14	1.0	ND		0.30	J	ND		ND		WL		ND		WL		ND		WL		ND		ND		WL		ND	

Notes:
1. All concentrations are in µg/L.
2. LST = Leachate storage tank monitoring well.
3. RL = Laboratory reporting limit (NC SWSL or lower from October 2007 to present).
4. ND = Not detected above laboratory reporting limit.
5. B = Blank-qualified data; result is expected to be biased high based on concentrations in the blanks.
6. NC 2L = North Carolina 2L Groundwater Standards.
7. GWPS = Groundwater Protection Standards.
8. When the NC 2L has not been established, the GWPS will be used.
9. Shaded values are above the NC 2L Groundwater Standards or Groundwater Protection Standards.
10. NE = Not established.
11. DL = Laboratory detection limit.
12. J = Estimated value between the DL and the RL.
13. NS = Not sampled and/or no water level measurements taken.
14. NR = Not Reported.
15. WL = May be monitored for water levels only.
16. NA = Data not available.

TABLE 11

SUMMARY OF FIELD PARAMETERS
LEACHATE STORAGE LAGOON AREA

Field Parameters	Date	Background	Downgradient										
		LST-5S	LST-1S	LST-1D	LST-2S	LST-2D	LST-3S	LST-3D	LST-4S	LST-4D	LST-5D	LST-6S	LST-6D
Conductivity	Jul-93	110	80	490	73	460	190	430	390	650	560	60	480
[uMhos]	Aug-93	140	110	400	81	400	210	360	280	520	500	62	270
	Sep-93	100	96	440	60	NA	210	330	270	460	680	86	380
	Sep-93	110	85	400	69	380	210	320	280	460	460	81	350
	Apr-94	120	84	470	60	480	230	400	11	430	530	97	480
	Oct-94	110	83	450	72	440	150	340	120	310	700	89	660
	Apr-95	120	77	460	54	460	250	360	120	320	480	56	490
	Oct-95	120	87	470	54	470	93	320	80	290	510	75	NA
	Apr-96	120	73	460	54	450	61	370	91	340	490	60	470
	Oct-96	120	63	380	52	WL	56	WL	98	WL	410	52	WL
	Apr-97	140	65	500	72	WL	90	WL	110	WL	490	55	WL
	Oct-97	120	61	440	72	WL	66	WL	110	WL	460	73	WL
	Apr-98	NA	60	60	84	WL	49	WL	NA	WL	500	40	WL
	Oct-98	130	64	440	77	WL	78	WL	78	WL	420	87	WL
	Mar-99	160	62	480	75	WL	46	WL	81	WL	500	46	WL
	Oct-99	210	56	450	77	WL	32	WL	49	WL	460	46	WL
	Apr-00	160	53	440	66	WL	62	WL	81	WL	460	34	WL
	Oct-00	160	53	460	68	WL	53	WL	83	WL	470	83	WL
	Apr-01	140	49	430	66	WL	NA	WL	71	WL	450	59	WL
	Oct-01	130	51	450	70	WL	49	WL	61	WL	NA	62	WL
	Apr-02	160	59	420	62	WL	52	WL	79	WL	430	38	WL
	Oct-02	38	71	296	65	WL	64	WL	11	WL	35	60	WL
	Apr-03	272	65	466	80	WL	81	WL	72	WL	484	70	WL
	Oct-03	196	73	449	95	WL	114	WL	77	WL	479	52	WL
	15-Apr-04	150	58	330	54	WL	41	WL	40	WL	340	48	WL
	14-Oct-04	126	73	436	87	WL	50	WL	55	WL	464	49	WL
	5-Apr-05	148	538	81	91	WL	65	WL	61	WL	561	40	WL
	27-Oct-05	212	81	468	88	WL	72	WL	49	WL	485	60	WL
	21-Apr-06	150	96	508	100	WL	77	WL	76	WL	525	42	WL
	12-Oct-06	134	87	489	94	WL	48	WL	52	WL	489	50	WL
	26-Apr-07	176	93	488	95	WL	47	WL	64	WL	509	43	WL
	10-Oct-07	190	95	494	100	WL	90	WL	199	WL	531	40	WL
Resample	4-Dec-07	229	89.8	54.5	103.0	NS	333	NS	163.5	NS	619	46.5	NS
	3-Apr-08	271	86	476	85	WL	130	WL	46	WL	518	44	WL
Resample	15-May-08	NS	NS	442	NS	NS	NS	NS	68.7	NS	NS	NS	NS
Resample	4-Jun-08	222	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	28-Oct-08	185	69	475	84	WL	117	WL	44	WL	553	46	WL
pH	Jun-93	5.5	5.1	6.4	4.9	6.1	5.3	6.4	4.4	6.2	6.1	5.5	6.9
[units]	Aug-93	6.1	5.8	6.5	5.9	6.4	5.7	6.5	4.5	6.4	6.9	5.7	6.8
	Sep-93	6.0	5.4	6.6	5.8	NA	5.9	6.9	4.6	6.3	6.6	5.5	6.4
	Sep-93	6.4	6.1	6.5	6.1	6.3	5.4	6.4	4.5	6.2	6.6	6.0	6.5
	Apr-94	6.3	6.0	6.4	5.9	6.5	5.1	6.3	5.1	6.2	6.4	5.6	6.4
	Oct-94	5.4	5.0	6.6	5.2	6.6	4.2	6.5	4.2	6.3	6.6	4.9	6.6
	Apr-95	6.0	6.2	6.0	6.4	6.2	5.3	6.0	5.3	6.0	6.5	6.5	6.4
	Oct-95	5.2	5.0	7.0	5.2	5.2	4.6	6.8	4.5	6.5	6.8	4.8	6.9
	Apr-96	5.6	5.0	6.3	5.9	6.6	5.4	6.5	4.7	6.2	6.5	5.8	6.6
	Oct-96	5.7	4.7	5.6	5.1	WL	4.6	WL	4.4	WL	5.8	4.8	WL
	Apr-97	5.7	5.3	6.1	5.2	WL	5.0	WL	5.2	WL	6.4	5.7	WL
	Oct-97	5.1	5.8	6.1	6.9	WL	4.9	WL	4.7	WL	5.8	4.7	WL
	Apr-98	NA	4.8	4.8	4.8	WL	4.6	WL	NA	WL	7.0	4.7	WL
	Oct-98	6.2	4.9	6.5	NA	WL	4.1	WL	4.9	WL	6.9	4.8	WL
	Mar-99	5.8	5.0	6.6	5.0	WL	4.5	WL	4.8	WL	6.8	4.9	WL
	Oct-99	5.8	5.0	6.8	4.8	WL	4.6	WL	4.6	WL	6.8	5.0	WL
	Apr-00	5.6	5.2	6.4	5.0	WL	5.4	WL	5.4	WL	6.5	5.0	WL
	Oct-00	5.2	4.8	6.6	4.8	WL	4.4	WL	4.1	WL	6.7	4.5	WL
	Apr-02	5.2	4.7	6.3	4.7	WL	4.9	WL	4.4	WL	6.5	4.6	WL
	Oct-02	5.2	5.0	6.0	5.2	WL	4.7	WL	4.4	WL	6.8	4.8	WL
	Apr-02	6.1	5.0	6.5	5.0	WL	4.7	WL	4.8	WL	6.7	4.9	WL
	Oct-02	5.9	5.1	7.0	5.0	WL	4.6	WL	4.7	WL	7.0	4.8	WL
	Apr-03	6.1	5.0	6.9	5.0	WL	4.5	WL	4.4	WL	6.9	4.8	WL
	Oct-03	6.4	4.6	6.7	4.4	WL	3.4	WL	3.9	WL	6.7	4.4	WL
	15-Apr-04	6.6	6.0	7.2	5.6	WL	5.4	WL	5.2	WL	7.0	5.6	WL
	14-Oct-04	6.7	4.7	6.7	4.8	WL	4.7	WL	4.5	WL	6.8	5.1	WL
	5-Apr-05	6.5	7.0	5.0	5.3	WL	4.9	WL	4.6	WL	6.9	4.9	WL
	27-Oct-05	6.5	4.8	6.8	4.9	WL	4.3	WL	4.6	WL	6.9	4.8	WL
	21-Apr-06	6.6	4.8	7.0	4.9	WL	4.5	WL	5.1	WL	7.0	5.1	WL
	12-Oct-06	6.5	4.8	7.0	4.8	WL	4.7	WL	5.0	WL	6.9	5.0	WL
	26-Apr-07	6.7	4.8	7.1	4.9	WL	4.8	WL	5.3	WL	7.0	5.0	WL
	10-Oct-07	6.1	4.8	7.1	5.0	WL	4.5	WL	4.6	WL	7.0	4.9	WL
Resample	4-Dec-07	7.13	5.81	6.88	5.30	NS	3.97	NS	4.05	NS	7.12	4.95	NS
	3-Apr-08	6.1	4.9	6.8	5.2	WL	5.5	WL	6.3	WL	6.9	5.2	WL
Resample	15-May-08	NS	NS	6.72	NS	NS	NS	NS	7.39	NS	NS	NS	NS
Resample	4-Jun-08	6.13	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	28-Oct-08	6.0	4.9	6.5	5.2	WL	4.7	WL	4.7	WL	6.8	5.4	WL

TABLE 11

SUMMARY OF FIELD PARAMETERS
LEACHATE STORAGE LAGOON AREA

Field Parameters	Date	Background	Downgradient										
		LST-5S	LST-1S	LST-1D	LST-2S	LST-2D	LST-3S	LST-3D	LST-4S	LST-4D	LST-5D	LST-6S	LST-6D
Temperature [°C]	Jun-93	23	25	21	26	22	27	19	23	20	18	23	24
	Aug-93	25	24	21	25	24	24	19	22	20	20	24	19
	Sep-93	24	25	19	25	NA	24	21	24	20	20	24	21
	Sep-93	24	25	21	25	21	24	20	24	21	21	25	21
	Apr-94	18	17	17	19	18	18	18	18	17	17	18	18
	Oct-94	21	20	19	21	20	21	19	21	16	19	20	19
	Apr-95	17	16	16	17	16	15	16	15	20	16	16	17
	Oct-95	23	23	20	23	20	22	20	22	13	20	21	20
	Apr-96	13	12	14	13	14	12	13	12	WL	14	12	14
	Oct-96	21	20	20	21	WL	22	WL	21	WL	21	22	WL
	Apr-97	15	14	15	14	WL	13	WL	13	WL	16	13	WL
	Oct-97	21	20	17	21	WL	20	WL	19	WL	17	18	WL
	Apr-98	NA	15	15	15	WL	15	WL	NA	WL	17	15	WL
	Oct-98	21	20	18	21	WL	18	WL	19	WL	19	20	WL
	Mar-99	15	13	16	13	WL	13	WL	15	WL	18	15	WL
	Oct-99	21	20	20	21	WL	20	WL	20	WL	20	19	WL
	Apr-00	15	15	17	15	WL	15	WL	14	WL	19	14	WL
	Oct-00	20	19	20	20	WL	19	WL	19	WL	20	20	WL
	Apr-02	16	15	15	16	WL	15	WL	14	WL	16	15	WL
	Oct-02	21	20	20	21	WL	20	WL	20	WL	21	21	WL
	Apr-02	18	16	16	18	WL	18	WL	16	WL	16	18	WL
	Oct-02	26	24	24	27	WL	25	WL	25	WL	22	21	WL
	Apr-03	16	15	15	15	WL	15	WL	15	WL	16	15	WL
	Oct-03	20	20	18	20	WL	19	WL	20	WL	20	20	WL
	15-Apr-04	13	13	13	14	WL	12	WL	14	WL	13	13	WL
	14-Oct-04	22	21	21	21	WL	21	WL	21	WL	21	21	WL
	5-Apr-05	16	15	15	16	WL	15	WL	15	WL	16	15	WL
	27-Oct-05	22	21	21	21	WL	21	WL	20	WL	22	20	WL
	21-Apr-06	18	17	18	17	WL	17	WL	17	WL	18	18	WL
	12-Oct-06	23	21	19	22	WL	21	WL	21	WL	19	22	WL
	26-Apr-07	17	16	18	16	WL	16	WL	16	WL	18	17	WL
	10-Oct-07	22	22	19	22	WL	20	WL	20	WL	20	22	WL
Resample	4-Dec-07	18.5	17.1	17.2	17.3	NS	15.5	NS	16.9	NS	17.7	17.3	NS
	3-Apr-08	15	15	17	15	WL	14	WL	14	WL	18	15	WL
Resample	15-May-08	NS	NS	17.9	NS	NS	NS	NS	17.9	NS	NS	NS	NS
Resample	4-Jun-08	20.3	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	28-Oct-08	21	20	19	19	WL	19	WL	20	WL	20	19	WL
Turbidity [NTU]	Jun-93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Aug-93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Sep-93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Sep-93	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Apr-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Oct-94	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Apr-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Oct-95	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Apr-96	NA	NA	NA	NA	NA	NA	NA	NA	WL	NA	NA	NA
	Oct-96	NA	NA	NA	NA	WL	NA	WL	NA	WL	NA	NA	WL
	Apr-97	NA	NA	NA	NA	WL	NA	WL	NA	WL	NA	NA	WL
	Oct-97	NA	NA	NA	NA	WL	NA	WL	NA	WL	NA	NA	WL
	Apr-98	NA	NA	NA	NA	WL	NA	WL	NA	WL	NA	NA	WL
	Oct-98	150	330	170	270	WL	55	WL	360	WL	140	270	WL
	Mar-99	210	150	38	190	WL	15	WL	400	WL	75	NA	WL
	Oct-99	35	89	22	45	WL	39	WL	65	WL	18	32	WL
	Apr-00	80	110	14	110	WL	18	WL	180	WL	24	80	WL
	Oct-00	32	70	55	120	WL	12	WL	70	WL	22	28	WL
	Apr-02	26	36	24	38	WL	13	WL	27	WL	33	26	WL
	Oct-02	206	86	60	166	WL	20	WL	188	WL	51	85	WL
	Apr-02	70	27	25	130	WL	22	WL	57	WL	23	35	WL
	Oct-02	38	7.5	27	85	WL	28	WL	11	WL	35	21	WL
	Apr-03	85	33	22	55	WL	12	WL	45	WL	30	22	WL
	Oct-03	250	70	26	240	WL	16	WL	340	WL	100	36	WL
	15-Apr-04	45	250	20	270	WL	60	WL	70	WL	55	40	WL
	14-Oct-04	100	75	25	110	WL	9.3	WL	140	WL	80	95	WL
	5-Apr-05	160	32	60	220	WL	31	WL	100	WL	22	80	WL
	27-Oct-05	180	32	25	100	WL	36	WL	75	WL	27	90	WL
	21-Apr-06	14	<1.43	40	5.8	WL	1.7	WL	7.7	WL	75	45	WL
	12-Oct-06	25	12	50	<1.54	WL	310	WL	10	WL	60	70	WL
	26-Apr-07	9.6	<1.42	190	<1.42	WL	3.2	WL	3.5	WL	75	21	WL
	10-Oct-07	45	7.1	50	7.5	WL	9.5	WL	13	WL	70	40	WL
Resample	4-Dec-07	72.1	29.6	3.17	62.9	NS	91.0	NS	124	NS	19.56	885	NS
	3-Apr-08	11	14	42	23	WL	230	WL	220	WL	95	65	WL
Resample	15-May-08	NS	NS	42.9	NS	NS	NS	NS	64.3	NS	NS	NS	NS
Resample	4-Jun-08	212	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	28-Oct-08	110	90	55	230	WL	90	WL	230	WL	70	650	WL

Notes:
1. NS = Not sampled and/or no water level measurements taken.
2. WL = May be monitored for water levels only.
3. NA = Data not available.

TABLE 12

SUMMARY OF HISTORICAL SURFACE WATER CONSTITUENTS

Constituent	Date	Concentrations (µg/L)											
		DL	RL	Upstream		Downstream						Blanks	
				SWPT-1		SWPT-2		UD-1		UD-2			
Antimony	11-Oct-07	0.05	6.0	0.1	B	0.7	J	Dry		Dry		0.1	J
NC2B/EPA NC = NE (03/28/08)	3-Apr-08	0.44	6.0	0.3	B	0.4	B	0.1	B	{0.2}	J	0.1 {ND}	J
	28-Oct-08	0.44	6.0	0.2	J	0.3	J	ND		{0.1}	J	ND {ND}	
Arsenic	Jul-93	NR	5	ND		ND		ND		NA		ND	
	Aug-93	NR	5	NA		NA		NA		NA		ND	
	Sep-93	NR	5	NA		NA		NA		NA		ND	
	Sep-93	NR	5	NA		NA		NA		NA		ND	
	Apr-94	NR	5	7		ND		ND		NA		ND	
	Oct-94	NR	10	ND		ND		ND		NA		ND	
	Apr-95	NR	10	ND		ND		ND		NA		ND	
	Oct-95	NR	10	ND		ND		ND		NA		ND	
	Apr-96	NR	10	ND		ND		ND		NA		ND	
	Oct-96	NR	10	ND		ND		ND		NA		ND	
	Apr-97	NR	10	Dry		Dry		ND		NA		ND	
	Oct-97	NR	10	Dry		Dry		ND		NA		ND	
	Apr-98	NR	10	NA		Dry		ND		NA		ND	
	Oct-98	NR	10	Dry		ND		Dry		NA		ND	
	Mar-99	NR	10	ND		ND		ND		NA		ND	
	Jul-99	NR	10	NA		NA		NA		ND		ND	
	Aug-99	NR	10	NA		NA		NA		ND		ND	
	Oct-99	NR	10	ND		ND		ND		ND		ND	
	Nov-99	NR	10	NA		NA		NA		ND		ND	
	Apr-00	NR	10	ND		ND		ND		NA		ND	
	Oct-00	NR	10	ND		ND		ND		ND		ND	
	Apr-01	NR	10	Dry		Dry		ND		NA		ND	
	Oct-01	NR	10	ND		ND		ND		ND		ND	
	Apr-02	NR	10	NA		ND		ND		ND		ND	
	Oct-02	NR	10	ND		ND		ND		ND		ND	
	Apr-03	NR	10	ND		ND		ND		ND		ND	
	Oct-03	NR	10	ND		ND		ND		15		ND	
	15-Apr-04	NR	10	ND		ND		ND		ND		ND	
	14-Oct-04	NR	10	ND		ND		ND		ND		ND	
	5-Apr-05	NR	10	ND		ND		ND		ND		ND	
	27-Oct-05	NR	10	ND		ND		ND		ND		ND	
	21-Apr-06	NR	10	ND		ND		ND		ND		ND	
	12-Oct-06	NR	10	ND		ND		ND		ND		ND	
	26-Apr-07	NR	10	ND		ND		ND		ND		ND	
	11-Oct-07	0.47	10.0	1.4	J	13		Dry		Dry		ND	
NC2B/EPA NC = 50 µg/L (03/28/08)	3-Apr-08	0.57	10.0	0.8	J	14		4.0	J	{2.0}	J	ND {0.2}	J
	28-Oct-08	0.57	10.0	0.8	B	9.7	J	0.9	B	1.3	B	0.5	J
Barium	Jul-93	NR	50	ND		140		71		NA		ND	
	Aug-93	NR	50	NA		NA		NA		NA		ND	
	Sep-93	NR	50	NA		NA		NA		NA		ND	
	Sep-93	NR	50	NA		NA		NA		NA		ND	
	Apr-94	NR	50	ND		ND		ND		NA		ND	
	Oct-94	NR	500	ND		ND		ND		NA		ND	
	Apr-95	NR	500	ND		ND		ND		NA		ND	
	Oct-95	NR	500	ND		ND		ND		NA		ND	
	Apr-96	NR	500	ND		ND		ND		NA		ND	
	Oct-96	NR	500	ND		ND		ND		NA		ND	
	Apr-97	NR	500	Dry		Dry		ND		NA		ND	
	Oct-97	NR	500	Dry		Dry		ND		NA		ND	
	Apr-98	NR	500	NA		Dry		ND		NA		ND	
	Oct-98	NR	500	Dry		ND		Dry		NA		ND	
	Mar-99	NR	500	ND		ND		ND		NA		ND	
	Jul-99	NR	500	NA		NA		NA		ND		ND	
	Aug-99	NR	500	NA		NA		NA		ND		ND	
	Oct-99	NR	500	ND		ND		ND		ND		ND	
	Nov-99	NR	500	NA		NA		NA		ND		ND	
	Apr-00	NR	500	ND		ND		ND		NA		ND	
	Oct-00	NR	500	ND		ND		ND		ND		ND	
	Apr-01	NR	500	Dry		Dry		ND		NA		ND	
	Oct-01	NR	500	ND		ND		ND		ND		ND	
	Apr-02	NR	500	NA		ND		ND		ND		ND	
	Oct-02	NR	500	ND		ND		ND		ND		ND	
	Apr-03	NR	500	ND		ND		ND		ND		ND	
	Oct-03	NR	500	ND		ND		ND		ND		ND	
	15-Apr-04	NR	500	ND		ND		ND		ND		ND	
	14-Oct-04	NR	500	ND		ND		ND		ND		ND	
	5-Apr-05	NR	500	ND		ND		ND		ND		ND	
	27-Oct-05	NR	500	ND		ND		ND		ND		ND	
	21-Apr-06	NR	500	ND		ND		ND		ND		ND	
	12-Oct-06	NR	500	ND		ND		ND		ND		ND	
	26-Apr-07	NR	100	ND		ND		ND		ND		ND	
	11-Oct-07	0.04	100.0	47.4	J	187		Dry		Dry		0.2	J
NC2B/EPA NC = NE (03/28/08)	3-Apr-08	0.11	100.0	30.7	J	72.4	J	94.6	J	{71.1}	J	ND {0.4}	J
	28-Oct-08	0.11	100.0	30.8	J	122		36.9	J	93.6	J	0.7	J

TABLE 12

SUMMARY OF HISTORICAL SURFACE WATER CONSTITUENTS

Constituent	Date	Concentrations (µg/L)										
		DL	RL	Upstream		Downstream						Blanks	
				SWPT-1		SWPT-2		UD-1		UD-2			
Beryllium	Jul-93	NR	1	ND		ND		ND		NA		ND	
	Aug-93	NR	1	NA		NA		NA		NA		ND	
	Sep-93	NR	1	NA		NA		NA		NA		ND	
	Sep-93	NR	1	NA		NA		NA		NA		ND	
	Apr-94	NR	1	ND		ND		64		NA		ND	
	Oct-94	NR	2	ND		ND		ND		NA		ND	
	Apr-95	NR	2	ND		ND		ND		NA		ND	
	Oct-95	NR	2	ND		ND		ND		NA		ND	
	Apr-96	NR	2	ND		ND		ND		NA		ND	
	Oct-96	NR	2	ND		ND		ND		NA		ND	
	Apr-97	NR	2	Dry		Dry		ND		NA		ND	
	Oct-97	NR	2	Dry		Dry		ND		NA		ND	
	Apr-98	NR	2	NA		Dry		ND		NA		ND	
	Oct-98	NR	2	Dry		ND		Dry		NA		ND	
	Mar-99	NR	2	ND		ND		ND		NA		ND	
	Jul-99	NR	2	NA		NA		NA		ND		ND	
	Aug-99	NR	2	NA		NA		NA		ND		ND	
	Oct-99	NR	2	ND		ND		ND		ND		ND	
	Nov-99	NR	2	NA		NA		NA		ND		ND	
	Apr-00	NR	2	ND		ND		ND		NA		ND	
	Oct-00	NR	2	ND		ND		ND		ND		ND	
	Apr-01	NR	2	Dry		Dry		ND		NA		ND	
	Oct-01	NR	2	ND		ND		ND		ND		ND	
	Apr-02	NR	2	NA		ND		ND		ND		ND	
	Oct-02	NR	2	ND		ND		ND		ND		ND	
	Apr-03	NR	2	ND		ND		ND		ND		ND	
	Oct-03	NR	2	ND		ND		ND		ND		ND	
	15-Apr-04	NR	2	ND		ND		ND		ND		ND	
	14-Oct-04	NR	2	ND		ND		ND		ND		ND	
	5-Apr-05	NR	2	ND		ND		ND		ND		ND	
	27-Oct-05	NR	2	ND		ND		ND		ND		ND	
	21-Apr-06	NR	2	ND		ND		ND		ND		ND	
	12-Oct-06	NR	2	ND		ND		ND		ND		ND	
	26-Apr-07	NR	1.0	ND		ND		ND		ND		ND	
	11-Oct-07	0.08	1.0	ND		0.4	J	Dry		Dry		ND	
NC2B/EPA NC = 6.5 µg/L (03/28/08)	3-Apr-08	0.06	1.0	ND		ND		ND		ND		ND	
	28-Oct-08	0.06	1.0	ND		0.1	J	ND		ND		ND	
Cadmium	Jul-93	NR	1	ND		ND		ND		NA		ND	
	Aug-93	NR	1	NA		NA		NA		NA		ND	
	Sep-93	NR	1	NA		NA		NA		NA		ND	
	Sep-93	NR	1	NA		NA		NA		NA		ND	
	Apr-94	NR	1	ND		ND		ND		NA		ND	
	Oct-94	NR	1	ND		ND		ND		NA		ND	
	Apr-95	NR	1	ND		ND		ND		NA		ND	
	Oct-95	NR	1	ND		ND		ND		NA		ND	
	Apr-96	NR	1	ND		ND		ND		NA		ND	
	Oct-96	NR	1	ND		ND		ND		NA		ND	
	Apr-97	NR	1	Dry		Dry		ND		NA		ND	
	Oct-97	NR	1	Dry		Dry		ND		NA		ND	
	Apr-98	NR	1	NA		Dry		ND		NA		ND	
	Oct-98	NR	1	Dry		ND		Dry		NA		ND	
	Mar-99	NR	1	ND		ND		ND		NA		ND	
	Jul-99	NR	1	NA		NA		NA		ND		ND	
	Aug-99	NR	1	NA		NA		NA		ND		ND	
	Oct-99	NR	1	ND		ND		ND		ND		ND	
	Nov-99	NR	1	NA		NA		NA		ND		ND	
	Apr-00	NR	1	ND		ND		ND		NA		ND	
	Oct-00	NR	1	ND		ND		ND		ND		ND	
	Apr-01	NR	1	Dry		Dry		ND		NA		ND	
	Oct-01	NR	1	ND		ND		ND		ND		ND	
	Apr-02	NR	1	NA		ND		ND		ND		ND	
	Oct-02	NR	1	ND		ND		ND		ND		ND	
	Apr-03	NR	1	2		ND		ND		ND		ND	
	Oct-03	NR	1	ND		ND		ND		ND		ND	
	15-Apr-04	NR	1	ND		ND		ND		ND		ND	
	14-Oct-04	NR	1	ND		2		ND		ND		ND	
	5-Apr-05	NR	1	ND		ND		ND		ND		ND	
	27-Oct-05	NR	1	ND		ND		ND		ND		ND	
	21-Apr-06	NR	1	ND		ND		2 (ND)		4 (ND)		ND	
	12-Oct-06	NR	1	ND		ND		ND		ND		ND	
	26-Apr-07	NR	1.0	ND		ND		ND		ND		ND	
	11-Oct-07	0.06	1.0	0.1	B	0.2	B	Dry		Dry		0.1	J
NC2B/EPA NC = 2 µg/L (03/28/08)	3-Apr-08	0.05	1.0	0.1	J	0.1	J	0.1	J	0.1	J	ND	
	28-Oct-08	0.05	1.0	0.1	J	0.3	J	ND		ND		ND	

TABLE 12

SUMMARY OF HISTORICAL SURFACE WATER CONSTITUENTS

Constituent	Date	Concentrations (µg/L)										
		DL	RL	Upstream		Downstream						Blanks
				SWPT-1		SWPT-2		UD-1		UD-2		
Chromium	Jul-93	NR	5	ND		ND		ND		NA		ND
	Aug-93	NR	5	NA		NA		NA		NA		ND
	Sep-93	NR	5	NA		NA		NA		NA		ND
	Sep-93	NR	5	NA		NA		NA		NA		ND
	Apr-94	NR	5	ND		ND		ND		NA		ND
	Oct-94	NR	10	ND		ND		ND		NA		ND
	Apr-95	NR	10	ND		ND		ND		NA		ND
	Oct-95	NR	10	ND		ND		ND		NA		ND
	Apr-96	NR	10	ND		ND		ND		NA		ND
	Oct-96	NR	10	ND		ND		ND		NA		ND
	Apr-97	NR	10	Dry		Dry		ND		NA		ND
	Oct-97	NR	10	Dry		Dry		ND		NA		ND
	Apr-98	NR	10	NA		Dry		18		NA		ND
	Oct-98	NR	10	Dry		ND		Dry		NA		ND
	Mar-99	NR	10	ND		ND		ND		NA		ND
	Jul-99	NR	10	NA		NA		NA		12		ND
	Aug-99	NR	10	NA		NA		NA		13		ND
	Oct-99	NR	10	ND		ND		ND		ND		ND
	Nov-99	NR	10	NA		NA		NA		ND		ND
	Apr-00	NR	5	ND		28		ND		NA		ND
	Oct-00	NR	10	ND		16		ND		ND		ND
	Apr-01	NR	10	Dry		Dry		ND		NA		ND
	Oct-01	NR	10	ND		ND		ND		ND		ND
	Apr-02	NR	10	NA		ND		ND		ND		ND
	Oct-02	NR	10	ND		ND		ND		ND		ND
	Apr-03	NR	10	ND		ND		ND		ND		ND
	Oct-03	NR	10	ND		ND		ND		20		ND
	15-Apr-04	NR	10	ND		ND		ND		22		ND
	14-Oct-04	NR	10	ND		ND		ND		ND		ND
	5-Apr-05	NR	10	ND		ND		ND		ND		ND
	27-Oct-05	NR	10	ND		ND		ND		ND		ND
	21-Apr-06	NR	10	ND		ND		ND		ND		ND
	12-Oct-06	NR	10	ND		ND		ND		ND		ND
	26-Apr-07	NR	10	ND		ND		ND		ND		ND
	11-Oct-07	0.24	10.0	1.7	B	12		Dry		Dry		1.2 J
NC2B/EPA NC = 50 µg/L (03/28/08)	3-Apr-08	0.11	10.0	1.3	J	12		0.8	J	0.5	J	ND
	28-Oct-08	0.11	10.0	0.3	J	13		0.2	J	0.4	J	ND
Cobalt	Jul-93	NR	20	ND		ND		28		NA		ND
	Aug-93	NR	20	NA		NA		NA		NA		ND
	Sep-93	NR	20	NA		NA		NA		NA		ND
	Sep-93	NR	20	NA		NA		NA		NA		ND
	Apr-94	NR	10	34	B	45	B	46	B	NA		18
	Oct-94	NR	10	ND		ND		ND		NA		ND
	Apr-95	NR	10	ND		ND		ND		NA		ND
	Oct-95	NR	10	ND		ND		ND		NA		ND
	Apr-96	NR	10	ND		ND		ND		NA		ND
	Oct-96	NR	10	ND		ND		ND		NA		ND
	Apr-97	NR	10	Dry		Dry		ND		NA		ND
	Oct-97	NR	10	Dry		Dry		ND		NA		ND
	Apr-98	NR	10	NA		Dry		ND		NA		ND
	Oct-98	NR	10	Dry		ND		Dry		NA		ND
	Mar-99	NR	10	ND		ND		ND		NA		ND
	Jul-99	NR	10	NA		NA		NA		ND		ND
	Aug-99	NR	10	NA		NA		NA		ND		ND
	Oct-99	NR	10	ND		ND		ND		ND		ND
	Nov-99	NR	10	NA		NA		NA		ND		ND
	Apr-00	NR	10	ND		12		ND		NA		ND
	Oct-00	NR	10	ND		ND		ND		ND		ND
	Apr-01	NR	10	Dry		Dry		ND		NA		ND
	Oct-01	NR	10	10		ND		ND		ND		ND
	Apr-02	NR	10	NA		ND		ND		ND		ND
	Oct-02	NR	10	ND		ND		ND		ND		ND
	Apr-03	NR	10	ND		ND		ND		ND		ND
	Oct-03	NR	10	ND		ND		ND		14		ND
	15-Apr-04	NR	10	ND		ND		ND		ND		ND
	14-Oct-04	NR	10	ND		ND		ND		ND		ND
	5-Apr-05	NR	10	ND		ND		ND		ND		ND
	27-Oct-05	NR	10	ND		ND		ND		ND		ND
	21-Apr-06	NR	10	ND		ND		ND		ND		ND
	12-Oct-06	NR	10	ND		ND		ND		ND		ND
	26-Apr-07	NR	10	ND		ND		ND		ND		ND
	11-Oct-07	0.41	10.0	1.5	J	3.4	J	Dry		Dry		ND
NC2B/EPA NC = 2.5 µg/L (03/28/08)	3-Apr-08	0.03	10.0	0.6	J	3.2	J	3.0	J	1.0	J	ND
	28-Oct-08	0.03	10.0	0.3	J	4.6	J	0.3	J	0.9	J	ND

TABLE 12

SUMMARY OF HISTORICAL SURFACE WATER CONSTITUENTS

Constituent	Date	Concentrations (µg/L)											
		DL	RL	Upstream		Downstream						Blanks	
				SWPT-1		SWPT-2		UD-1		UD-2			
Copper	Jul-93	NR	10	15	B	13	B	10	B	NA		17	
	Aug-93	NR	10	NA		NA		NA		NA		19	
	Sep-93	NR	10	NA		NA		NA		NA		11	
	Sep-93	NR	10	NA		NA		NA		NA		39	
	Apr-94	NR	10	28	B	40	B	43	B	NA		21	
	Oct-94	NR	200	ND		ND		ND		NA		ND	
	Apr-95	NR	200	ND		ND		ND		NA		ND	
	Oct-95	NR	200	ND		ND		ND		NA		ND	
	Apr-96	NR	200	ND		ND		ND		NA		ND	
	Oct-96	NR	200	ND		ND		ND		NA		ND	
	Apr-97	NR	200	Dry		Dry		ND		NA		ND	
	Oct-97	NR	200	Dry		Dry		ND		NA		ND	
	Apr-98	NR	200	NA		Dry		ND		NA		ND	
	Oct-98	NR	200	Dry		ND		Dry		NA		ND	
	Mar-99	NR	200	ND		ND		15		NA		ND	
	Jul-99	NR	200	NA		NA		NA		ND		ND	
	Aug-99	NR	200	NA		NA		NA		11		ND	
	Oct-99	NR	200	ND		ND		ND		ND		ND	
	Nov-99	NR	200	NA		NA		NA		ND		ND	
	Apr-00	NR	200	ND		ND		ND		NA		ND	
	Oct-00	NR	200	ND		ND		ND		ND		ND	
	Apr-01	NR	200	Dry		Dry		ND		NA		ND	
	Oct-01	NR	200	ND		ND		ND		ND		ND	
	Apr-02	NR	200	NA		ND		ND		ND		ND	
	Oct-02	NR	200	ND		ND		ND		ND		ND	
	Apr-03	NR	200	ND		ND		ND		ND		ND	
	Oct-03	NR	200	ND		ND		ND		ND		ND	
	15-Apr-04	NR	200	ND		ND		ND		ND		ND	
	14-Oct-04	NR	200	ND		ND		ND		ND		ND	
	5-Apr-05	NR	200	ND		ND		ND		ND		ND	
	27-Oct-05	NR	200	ND		ND		ND		ND		ND	
	21-Apr-06	NR	200	ND		ND		ND		ND		ND	
	12-Oct-06	NR	200	ND		ND		ND		ND		ND	
	26-Apr-07	NR	10	ND		ND		ND		ND		ND	
	11-Oct-07	0.20	10.0	0.7	B	3.9	J	Dry		Dry		0.4	J
NC2B/EPA NC = 7 µg/L (03/28/08)	3-Apr-08	0.05	10.0	1.0	B	2.8	J	1.7	J	0.7	B	0.2	J
	28-Oct-08	0.05	10.0	0.8	B	3	B	0.7	B	1.4	B	1.1	J
Lead	Jul-93	NR	5	ND		ND		ND		NA		ND	
	Aug-93	NR	5	NA		NA		NA		NA		ND	
	Sep-93	NR	5	NA		NA		NA		NA		ND	
	Sep-93	NR	5	NA		NA		NA		NA		ND	
	Apr-94	NR	5	ND		5		ND		NA		ND	
	Oct-94	NR	10	ND		ND		ND		NA		ND	
	Apr-95	NR	10	ND		ND		ND		NA		ND	
	Oct-95	NR	10	ND		ND		ND		NA		ND	
	Apr-96	NR	10	ND		ND		ND		NA		ND	
	Oct-96	NR	10	ND		ND		ND		NA		ND	
	Apr-97	NR	10	Dry		Dry		ND		NA		ND	
	Oct-97	NR	10	Dry		Dry		ND		NA		ND	
	Apr-98	NR	10	NA		Dry		11		NA		ND	
	Oct-98	NR	10	Dry		ND		Dry		NA		ND	
	Mar-99	NR	10	ND		ND		ND		NA		ND	
	Jul-99	NR	10	NA		NA		NA		ND		ND	
	Aug-99	NR	10	NA		NA		NA		ND		ND	
	Oct-99	NR	10	ND		ND		ND		ND		ND	
	Nov-99	NR	10	NA		NA		NA		ND		ND	
	Apr-00	NR	10	ND		ND		ND		NA		ND	
	Oct-00	NR	10	ND		ND		ND		ND		ND	
	Apr-01	NR	10	Dry		Dry		ND		NA		ND	
	Oct-01	NR	10	ND		ND		ND		ND		ND	
	Apr-02	NR	10	NA		ND		ND		ND		ND	
	Oct-02	NR	10	ND		ND		ND		ND		ND	
	Apr-03	NR	10	ND		ND		ND		ND		ND	
	Oct-03	NR	10	ND		ND		ND		15		ND	
	15-Apr-04	NR	10	ND		ND		ND		12		ND	
	14-Oct-04	NR	10	ND		ND		ND		ND		ND	
	5-Apr-05	NR	10	ND		ND		ND		ND		ND	
	27-Oct-05	NR	10	ND		ND		ND		ND		ND	
	21-Apr-06	NR	10	ND		ND		ND		ND		ND	
	12-Oct-06	NR	10	ND		ND		ND		ND		ND	
	26-Apr-07	NR	10	ND		ND		ND		ND		ND	
	11-Oct-07	0.07	10.0	1.1	J	8.6	J	Dry		Dry		0.1	J
NC2B/EPA NC = 25 µg/L (03/28/08)	3-Apr-08	0.32	10.0	1.0	J	0.8	J	0.3	B	0.1	B	0.1	J
	28-Oct-08	0.32	10.0	0.4	B	3.8	J	0.2	B	0.1	B	0.1	J

TABLE 12

SUMMARY OF HISTORICAL SURFACE WATER CONSTITUENTS

Constituent	Date	Concentrations (µg/L)											
		DL	RL	Upstream		Downstream						Blanks	
				SWPT-1		SWPT-2		UD-1		UD-2			
Nickel	Jul-93	NR	10	20		20		24		NA		ND	
	Aug-93	NR	10	NA		NA		NA		NA		11	
	Sep-93	NR	10	NA		NA		NA		NA		17	
	Sep-93	NR	10	NA		NA		NA		NA		ND	
	Apr-94	NR	10	37	B	51	B	57	B	NA		20	
	Oct-94	NR	50	ND		ND		ND		NA		ND	
	Apr-95	NR	50	ND		ND		ND		NA		ND	
	Oct-95	NR	50	ND		ND		ND		NA		ND	
	Apr-96	NR	50	ND		ND		ND		NA		ND	
	Oct-96	NR	50	ND		ND		ND		NA		ND	
	Apr-97	NR	50	Dry		Dry		ND		NA		ND	
	Oct-97	NR	50	Dry		Dry		ND		NA		ND	
	Apr-98	NR	50	NA		Dry		ND		NA		ND	
	Oct-98	NR	50	Dry		ND		Dry		NA		ND	
	Mar-99	NR	50	ND		ND		ND		NA		ND	
	Jul-99	NR	50	NA		NA		NA		ND		ND	
	Aug-99	NR	50	NA		NA		NA		ND		ND	
	Oct-99	NR	50	ND		ND		ND		ND		ND	
	Nov-99	NR	50	NA		NA		NA		ND		ND	
	Apr-00	NR	50	ND		ND		ND		NA		ND	
	Oct-00	NR	50	ND		ND		ND		ND		ND	
	Apr-01	NR	50	Dry		Dry		ND		NA		ND	
	Oct-01	NR	50	ND		ND		ND		ND		ND	
	Apr-02	NR	50	NA		ND		ND		ND		ND	
	Oct-02	NR	50	ND		ND		ND		ND		ND	
	Apr-03	NR	50	ND		ND		ND		ND		ND	
	Oct-03	NR	50	ND		ND		ND		ND		ND	
	15-Apr-04	NR	50	ND		ND		ND		ND		ND	
	14-Oct-04	NR	50	ND		ND		ND		ND		ND	
	5-Apr-05	NR	50	ND		ND		ND		ND		ND	
	27-Oct-05	NR	50	ND		ND		ND		ND		ND	
	21-Apr-06	NR	50	ND		ND		ND		ND		ND	
	12-Oct-06	NR	50	ND		ND		ND		ND		ND	
	26-Apr-07	NR	50	ND		ND		ND		ND		ND	
	11-Oct-07	0.66	50.0	3.4	J	15.2	J	Dry		Dry		ND	
NC2B/EPA NC = 88 µg/L (03/28/08)	3-Apr-08	0.06	50.0	5.2	J	16	J	9.6	J	8.4	J	0.3	J
	28-Oct-08	0.06	50.0	3.8	J	14.6	J	2.2	J	7	J	0.2	J
Selenium	11-Oct-07	0.35	10.0	0.5	B	19		Dry		Dry		0.9	J
Resample	4-Dec-07	3.8	10.0	NS		ND		NS		NS		ND	
NC2B/EPA NC = 5 µg/L (03/28/08)	3-Apr-08	0.51	10.0	0.5	J	7.2	J	ND		{4.5}	B	ND {1.5}	J
	28-Oct-08	0.51	10.0	0.7	B	ND		0.6	B	3.3	B	1.9	J
Silver	28-Oct-08	0.04	10.0	0.1	B	0.1	B	0.1	B	0.1	B	0.1	J
NC2B/EPA NC = 0.06 µg/L (03/28/08)													
Thallium	11-Oct-07	0.07	5.0	ND		0.1	J	Dry		Dry		ND	
NC2B/EPA NC = NE (03/28/08)	3-Apr-08	0.63	5.0	ND		ND		ND		ND		ND	
	28-Oct-08	0.63	5.0	ND		0.1	J	ND		ND		ND	
Vanadium	10-Oct-07	0.42	25.0	2.5	J	16.5	J	Dry		Dry		ND	
NC2B/EPA NC = NE (03/28/08)	3-Apr-08	0.07	25.0	2.1	J	2.6	J	1.7	J	{0.8}	J	ND {0.1}	J
	28-Oct-08	0.07	25.0	0.5	B	8.7	J	1.2	J	0.5	B	0.2	J

TABLE 12

SUMMARY OF HISTORICAL SURFACE WATER CONSTITUENTS

Constituent	Date	Concentrations (µg/L)											
		DL	RL	Upstream		Downstream					Blanks	
				SWPT-1		SWPT-2		UD-1		UD-2		
Zinc	Jul-93	NR	10	11	B	23	B	11	B	NA	10	
	Aug-93	NR	10	NA		NA		NA		NA	ND	
	Sep-93	NR	10	NA		NA		NA		NA	ND	
	Sep-93	NR	10	NA		NA		NA		NA	ND	
	Apr-94	NR	10	36	B	98	B	65	B	NA	20	
	Oct-94	NR	50	ND		ND		ND		NA	ND	
	Apr-95	NR	50	ND		ND		ND		NA	ND	
	Oct-95	NR	50	ND		ND		ND		NA	ND	
	Apr-96	NR	50	ND		ND		ND		NA	ND	
	Oct-96	NR	50	ND		ND		ND		NA	ND	
	Apr-97	NR	50	Dry		Dry		ND		NA	ND	
	Oct-97	NR	50	Dry		Dry		ND		NA	ND	
	Apr-98	NR	50	NA		Dry		ND		NA	ND	
	Oct-98	NR	50	Dry		ND		Dry		NA	ND	
	Mar-99	NR	50	ND		ND		ND		NA	ND	
	Jul-99	NR	50	NA		NA		NA		ND	ND	
	Aug-99	NR	50	NA		NA		NA		ND	ND	
	Oct-99	NR	50	ND		ND		ND		ND	ND	
	Nov-99	NR	50	NA		NA		NA		ND	ND	
	Apr-00	NR	50	ND		ND		ND		NA	ND	
	Oct-00	NR	50	ND		ND		ND		ND	ND	
	Apr-01	NR	50	Dry		Dry		ND		NA	ND	
	Oct-01	NR	50	ND		ND		ND		ND	ND	
	Apr-02	NR	50	NA		ND		ND		ND	ND	
	Oct-02	NR	50	ND		ND		ND		ND	ND	
	Apr-03	NR	50	ND		ND		ND		ND	ND	
	Oct-03	NR	50	ND		ND		ND		81	ND	
	15-Apr-04	NR	50	ND		ND		ND		ND	ND	
	14-Oct-04	NR	50	ND		ND		ND		ND	ND	
	5-Apr-05	NR	50	ND		ND		ND		ND	ND	
	27-Oct-05	NR	50	ND		ND		ND		ND	ND	
	21-Apr-06	NR	50	100 (ND)		ND		ND		ND	ND	
	12-Oct-06	NR	50	ND		ND		ND		ND	ND	
	26-Apr-07	NR	10	45		ND		17		19	ND	
	11-Oct-07	0.20	10.0	44		22	B	Dry		Dry	6.6	J
NC2B/EPA NC = 50 µg/L (03/28/08)	3-Apr-08	0.04	10.0	35		9.0	B	9.8	B	{2.1}	B	6.3 {2.2}	J,J
	28-Oct-08	0.04	10.0	27		25		4.1	J	1.5	B	0.4	J
Acetone	Jul-93	NR	NA	ND		ND		ND		NA	NA	
	Aug-93	NR	NA	NA		NA		NA		NA	NA	
	Sep-93	NR	NA	NA		NA		NA		NA	NA	
	Sep-93	NR	NA	NA		NA		NA		NA	NA	
	Apr-94	NR	NA	ND		ND		ND		NA	NA	
	Oct-94	NR	NA	ND		ND		ND		NA	NA	
	Apr-95	NR	NA	ND		ND		ND		NA	NA	
	Oct-95	NR	NA	ND		ND		ND		NA	NA	
	Apr-96	NR	NA	ND		ND		ND		NA	NA	
	Oct-96	NR	NA	ND		ND		ND		NA	NA	
	Apr-97	NR	NA	Dry		Dry		ND		NA	NA	
	Oct-97	NR	NA	Dry		Dry		ND		NA	NA	
	Apr-98	NR	NA	NA		Dry		ND		NA	NA	
	Oct-98	NR	NA	Dry		ND		Dry		NA	NA	
	Mar-99	NR	NA	NA		NA		NA		NA	NA	
	Jul-99	NR	NA	NA		NA		NA		ND	NA	
	Aug-99	NR	NA	NA		NA		NA		ND	NA	
	Oct-99	NR	NA	ND		172		ND		ND	NA	
	Nov-99	NR	NA	NA		NA		NA		ND	NA	
	Apr-00	NR	NA	ND		ND		ND		NA	NA	
	Oct-00	NR	NA	ND		ND		ND		ND	NA	
	Apr-01	NR	NA	Dry		Dry		ND		NA	NA	
	Oct-01	NR	100	ND		ND		ND		ND	ND	
	Apr-02	NR	100	NA		ND		ND		ND	ND	
	Oct-02	NR	100	ND		ND		ND		ND	ND	
	Apr-03	NR	100	ND		ND		ND		ND	ND	
	Oct-03	NR	100	ND		ND		ND		ND	ND	
	15-Apr-04	NR	100	ND		ND		ND		ND	ND	
	14-Oct-04	NR	100	ND		ND		ND		ND	ND	
	5-Apr-05	NR	100	ND		ND		ND		ND	ND	
	27-Oct-05	NR	100	ND		ND		ND		ND	ND	
	21-Apr-06	NR	100	ND		ND		ND		ND	ND	
	12-Oct-06	NR	100	ND		ND		ND		ND	ND	
	26-Apr-07	NR	100	ND		ND		ND		ND	ND	
	11-Oct-07	1.21	100.0	1.40	J	6.40	J	Dry		Dry	ND	
Resample	4-Dec-07	2.2	25.0	ND		ND		NS		NS	4.3	J
NC2B/EPA NC = 2,000 µg/L (03/28/08)	3-Apr-08	1.21	100.0	2.90	B	9.20	J	5.40	B	{5.60}	B	1.50 {2.10}	J,J
Resample	14-May-08	20.0	100	NS		ND		NS		NS	ND	
	28-Oct-08	1.21	100.0	1.80	B	3.70	B	1.60	B	2.10	B	1.30	J

TABLE 12

SUMMARY OF HISTORICAL SURFACE WATER CONSTITUENTS

Constituent	Date	Concentrations (µg/L)						
		DL	RL	Upstream	Downstream			Blanks
				SWPT-1	SWPT-2	UD-1	UD-2	
2-Butanone	Jul-93	NR	NA	ND	ND	ND	NA	NA
	Aug-93	NR	NA	NA	NA	NA	NA	NA
	Sep-93	NR	NA	NA	NA	NA	NA	NA
	Sep-93	NR	NA	NA	NA	NA	NA	NA
	Apr-94	NR	NA	ND	ND	ND	NA	NA
	Oct-94	NR	NA	ND	ND	ND	NA	NA
	Apr-95	NR	NA	ND	ND	ND	NA	NA
	Oct-95	NR	NA	ND	ND	ND	NA	NA
	Apr-96	NR	NA	ND	ND	ND	NA	NA
	Oct-96	NR	NA	ND	ND	ND	NA	NA
	Apr-97	NR	NA	Dry	Dry	ND	NA	NA
	Oct-97	NR	NA	Dry	Dry	ND	NA	NA
	Apr-98	NR	NA	NA	Dry	ND	NA	NA
	Oct-98	NR	NA	Dry	ND	Dry	NA	NA
	Mar-99	NR	NA	NA	NA	NA	NA	NA
	Jul-99	NR	NA	NA	NA	NA	ND	NA
	Aug-99	NR	NA	NA	NA	NA	ND	NA
	Oct-99	NR	NA	ND	137	ND	ND	NA
	Nov-99	NR	NA	NA	NA	NA	ND	NA
	Apr-00	NR	NA	ND	ND	ND	NA	NA
	Oct-00	NR	NA	ND	ND	ND	ND	NA
	Apr-01	NR	NA	Dry	Dry	ND	NA	NA
	Oct-01	NR	100	ND	ND	ND	ND	ND
	Apr-02	NR	100	NA	ND	ND	ND	ND
	Oct-02	NR	100	ND	ND	ND	ND	ND
	Apr-03	NR	100	ND	ND	ND	ND	ND
	Oct-03	NR	100	ND	ND	ND	ND	ND
	15-Apr-04	NR	100	ND	ND	ND	ND	ND
	14-Oct-04	NR	100	ND	ND	ND	ND	ND
	5-Apr-05	NR	100	ND	ND	ND	ND	ND
	27-Oct-05	NR	100	ND	ND	ND	ND	ND
	21-Apr-06	NR	100	ND	ND	ND	ND	ND
	12-Oct-06	NR	100	ND	ND	ND	ND	ND
	26-Apr-07	NR	100	ND	ND	ND	ND	ND
	11-Oct-07	0.85	100.0	ND	1.50 J	Dry	Dry	ND
Resample	4-Dec-07	0.96	5.0	NS	ND	NS	NS	ND
NC2B/EPA NC = 160,000 µg/L (03/28/08)	3-Apr-08	0.85	100.0	1.50 J	2.20 J	1.40 J	2.50 J	ND
	14-May-08	0.96	100.0	ND	ND	ND	ND	ND
	28-Oct-08	0.85	100.0	1.20 J	ND	ND	ND	ND
Carbon Disulfide	11-Oct-07	0.14	100.0	ND	0.30 J	Dry	Dry	ND
Resample	4-Dec-07	1.2	2.0	NS	ND	NS	NS	ND
NC2B/EPA NC = NE (03/28/08)	3-Apr-08	0.14	100.0	ND	ND	ND	ND	ND
	28-Oct-08	0.14	100.0	ND	ND	ND	ND	ND
Chloromethane	11-Oct-07	0.18	1.0	0.80 J	1.10	Dry	Dry	ND
Resample	4-Dec-07	0.11	1.0	ND	ND	NS	NS	ND
NC2B/EPA NC = NE (03/28/08)	3-Apr-08	0.18	1.0	ND	0.30 J	0.20 J	0.30 J	ND
Resample	14-May-08	0.11	1.0	NS	ND	ND	ND	ND
	28-Oct-08	0.18	1.0	0.20 J	0.20 J	ND	ND	ND
1,4-Dichlorobenzene	3-Apr-08	0.21	1.0	ND	0.40 J	ND	ND	ND
Resample	14-May-08	0.33	1.0	NS	ND	NS	NS	ND
NC2B/EPA NC = 100 µg/L (03/28/08)	28-Oct-08	0.21	1.0	ND	ND	ND	ND	ND
Methylene Chloride	11-Oct-07	0.14	1.0	ND	ND	Dry	Dry	0.20 J
NC2B/EPA NC = NE (03/28/08)	3-Apr-08	0.14	1.0	ND	ND	ND	ND	ND
	28-Oct-08	0.14	1.0	0.20 J	0.20 J	0.20 J	0.20 J	ND

TABLE 12

SUMMARY OF HISTORICAL SURFACE WATER CONSTITUENTS

Constituent	Date	Concentrations (µg/L)						
		DL	RL	Upstream	Downstream			Blanks
				SWPT-1	SWPT-2	UD-1	UD-2	
Toluene	Jul-93	NR	NA	ND	ND	ND	NA	NA
	Aug-93	NR	NA	NA	NA	NA	NA	NA
	Sep-93	NR	NA	NA	NA	NA	NA	NA
	Sep-93	NR	NA	NA	NA	NA	NA	NA
	Apr-94	NR	NA	ND	ND	ND	NA	NA
	Oct-94	NR	NA	12	ND	33	NA	NA
	Apr-95	NR	NA	ND	ND	ND	NA	NA
	Oct-95	NR	NA	ND	ND	ND	NA	NA
	Apr-96	NR	NA	ND	ND	ND	NA	NA
	Oct-96	NR	NA	ND	11	ND	NA	NA
	Apr-97	NR	NA	Dry	Dry	ND	NA	NA
	Oct-97	NR	NA	Dry	Dry	ND	NA	NA
	Apr-98	NR	NA	NA	Dry	ND	NA	NA
	Oct-98	NR	NA	Dry	ND	Dry	NA	NA
	Mar-99	NR	NA	NA	NA	NA	NA	NA
	Jul-99	NR	NA	NA	NA	NA	ND	NA
	Aug-99	NR	NA	NA	NA	NA	ND	NA
	Oct-99	NR	NA	ND	ND	ND	ND	NA
	Nov-99	NR	NA	NA	NA	NA	ND	NA
	Apr-00	NR	NA	ND	ND	ND	NA	NA
	Oct-00	NR	NA	ND	ND	ND	ND	NA
	Apr-01	NR	NA	Dry	Dry	ND	NA	NA
	Oct-01	NR	5	ND	ND	ND	ND	ND
	Apr-02	NR	5	NA	ND	ND	ND	ND
	Oct-02	NR	5	ND	ND	ND	ND	ND
	Apr-03	NR	5	ND	ND	ND	ND	ND
	Oct-03	NR	5	ND	ND	ND	ND	ND
	15-Apr-04	NR	5	ND	ND	ND	ND	ND
	14-Oct-04	NR	5	ND	ND	ND	ND	ND
	5-Apr-05	NR	5	ND	ND	ND	ND	ND
	27-Oct-05	NR	5	ND	ND	ND	ND	ND
	21-Apr-06	NR	5	ND	ND	ND	ND	ND
	12-Oct-06	NR	5	ND	ND	ND	ND	ND
	26-Apr-07	NR	5	ND	ND	ND	ND	ND
	11-Oct-07	0.13	1.0	ND	ND	Dry	Dry	ND
NC2B/EPA NC = 11 µg/L (03/28/08)	3-Apr-08	0.13	1.0	ND	ND	ND	ND	ND
	28-Oct-08	0.13	1.0	ND	ND	ND	ND	ND

Notes:
1. All concentrations are in micrograms per Liter (ug/L).
2. SWPT = Surface water monitoring point
3. UD = Underdrain surface water monitoring point.
4. RL = Laboratory reporting limit (NC SWSL or lower October 2007 to present).
5. ND = Not detected above laboratory reporting limit.
6. B = Blank-qualified data; result is expected to be biased high based on concentrations in the blanks
7. Shaded values are above the NC 2B Surface Water Standards (NC2B) or EPA National Criteria (EPA NC).
8. NA = Not available.
9. NR = Not reported.
10. NS = Not sampled.
11. Dry = Surface water monitoring point was considered to be dry.
12. ( ) = Resample event results
13. DL = Laboratory detection limit.
14. J = Concentrations detected between the DL and RL and are considered estimated.
15. Surface waters are classified as Freshwater Aquatic life, nutrient sensitive, and swamp waters (Jumping Run).
16. { } = Samples assigned a different Eequipment Blank set containing Equipment Blank concentrations higher than the Trip and/or Method Blanks.
17. NE = Not established.

TABLE 13

SUMMARY OF FIELD PARAMETERS
SURFACE WATER

Field Parameters	Date	Upstream	Downstream		
		SWPT-1	SWPT-2	UD-1	UD-2
Conductivity [uMhos]	Jul-93	80	340	50	NA
	Apr-94	310	450	610	NA
	Oct-94	490	500	1100	NA
	Apr-95	500	380	480	NA
	Oct-95	480	910	500	NA
	Apr-96	400	560	390	NA
	Oct-96	460	920	260	NA
	Apr-97	Dry	Dry	840	NA
	Oct-97	Dry	Dry	1900	NA
	Apr-98	NA	Dry	420	NA
	Oct-98	Dry	680	Dry	NA
	Jul-99	NA	NA	NA	160
	Aug-99	NA	NA	NA	1300
	Oct-99	450	880	320	980
	Nov-99	NA	NA	NA	780
	Apr-00	420	3000	470	NA
	Oct-00	110	1100	480	790
	Apr-01	Dry	Dry	380	NA
	Oct-01	320	320	870	630
	Apr-02	NA	1800	510	640
	Oct-02	1000	1700	620	778
	Apr-03	601	1048	1181	894
	Oct-03	741	974	481	1331
	15-Apr-04	340	380	120	690
	14-Oct-04	255	363	375	329
	5-Apr-05	677	795	1281	1021
	27-Oct-05	722	522	199	607
	21-Apr-06	616	1010	1122	1034
	12-Oct-06	456	523	530	538
	26-Apr-07	517	758	837	1022
	11-Oct-07	562	2820	Dry	Dry
Resample	4-Dec-07	2140	3630	NS	NS
	3-Apr-08	643	1836	1647	1220
Resample	14-May-08	2890	1198	1191	1458
	28-Oct-08	571	2320	410	1245
pH [units]	Jun-93	5.9	6.3	6.3	-
	Apr-94	6.7	7.0	7.2	NA
	Oct-94	7.2	7.3	7.6	NA
	Apr-95	7.2	7.1	7.3	NA
	Oct-95	7.1	7.5	7.4	NA
	Apr-96	7.1	6.0	7.1	NA
	Oct-96	6.1	6.8	6.8	NA
	Apr-97	Dry	Dry	6.3	NA
	Oct-97	Dry	Dry	7.1	NA
	Apr-98	NA	Dry	7.0	NA
	Oct-98	Dry	6.1	Dry	NA
	Jul-99	NA	NA	NA	7.0
	Aug-99	NA	NA	NA	6.2
	Oct-99	7.4	7.2	7.1	7.1
	Nov-99	NA	NA	NA	6.6
	Apr-00	6.9	8.1	6.6	NA
	Oct-00	7.0	7.6	6.6	6.4
	Apr-01	Dry	Dry	6.5	NA
	Oct-01	7.0	7.3	7.4	5.2
	Apr-02	NA	7.4	7.4	6.2
	Oct-02	7.5	7.9	7.0	6.2
	Apr-03	7.2	7.3	7.5	6.2
	Oct-03	7.3	7.2	6.9	6.4
	15-Apr-04	7.2	7.1	7.6	6.8
	14-Oct-04	7.4	4.0	7.0	7.2
	5-Apr-05	7.4	7.5	8.0	7.3
	27-Oct-05	7.3	7.0	6.9	7.1
	21-Apr-06	7.0	7.1	8.0	6.8
	12-Oct-06	7.1	7.8	7.2	7.1
	26-Apr-07	7.3	8.8	7.5	6.9
	11-Oct-07	7.1	7.1	Dry	Dry
Resample	4-Dec-07	8.09	7.48	NS	NS
	3-Apr-08	7.7	6.6	7.4	6.6
Resample	14-May-08	7.74	7.84	8.07	7.41
	28-Oct-08	7.3	7.4	7.2	6.8

TABLE 13

SUMMARY OF FIELD PARAMETERS
SURFACE WATER

Field Parameters	Date	Upstream	Downstream		
		SWPT-1	SWPT-2	UD-1	UD-2
Temperature [oC]	Jun-93	17	15	15	NA
	Apr-94	23	20	23	NA
	Oct-94	17	16	18	NA
	Apr-95	20	22	18	NA
	Oct-95	19	19	22	NA
	Apr-96	11	10	11	NA
	Oct-96	21	21	23	NA
	Apr-97	Dry	Dry	15	NA
	Oct-97	Dry	Dry	15	NA
	Apr-98	NA	Dry	19	NA
	Oct-98	Dry	20	Dry	NA
	Jul-99	NA	NA	NA	24
	Aug-99	NA	NA	NA	23
	Oct-99	21	18	18	19
	Nov-99	NA	NA	NA	14
	Apr-00	11	15	19	NA
	Oct-00	13	13	15	15
	Apr-01	Dry	Dry	20	NA
	Oct-01	16	16	18	18
	Apr-02	NA	16	20	18
	Oct-02	25	22	22	22
	Apr-03	20	19	17	24
	Oct-03	17	15	15	15
	15-Apr-04	13	12	13	13
	14-Oct-04	20	20	19	19
	5-Apr-05	17	15	16	14
	27-Oct-05	15	13	14	14
	21-Apr-06	18	16	24	17
	12-Oct-06	21	26	21	23
	26-Apr-07	19	29	20	17
	11-Oct-07	21	23	Dry	Dry
Resample	4-Dec-07	8.5	8.1	NS	NS
	3-Apr-08	14	13	14	15
Resample	14-May-08	23.5	28.9	22.6	22.6
	28-Oct-08	14	9	12	13
Turbidity [NTU]	Jun-93	NA	NA	NA	NA
	Apr-94	NA	NA	NA	NA
	Oct-94	NA	NA	NA	NA
	Apr-95	NA	NA	NA	NA
	Oct-95	NA	NA	NA	NA
	Apr-96	NA	NA	NA	NA
	Oct-96	NA	NA	NA	NA
	Apr-97	Dry	Dry	NA	NA
	Oct-97	Dry	Dry	NA	NA
	Apr-98	NA	Dry	NA	NA
	Oct-98	Dry	38	Dry	NA
	Jul-99	NA	NA	NA	NA
	Aug-99	NA	NA	NA	300
	Oct-99	160	120	65	70
	Nov-99	NA	NA	NA	21
	Apr-00	14	310	25	NA
	Oct-00	100	120	46	11
	Apr-01	Dry	Dry	26	NA
	Oct-01	70	60	4.2	60
	Apr-02	NA	21	8.6	140
	Oct-02	28	32	25	130
	Apr-03	33	60	35	170
	Oct-03	26	14	27	39
	15-Apr-04	28	55	50	330
	14-Oct-04	180	90	80	110
	5-Apr-05	23	80	27	8.1
	27-Oct-05	25	45	27	40
	21-Apr-06	34	21	13	11
	12-Oct-06	50	70	28	80
	26-Apr-07	50	80	31	12
	11-Oct-07	37	350	Dry	Dry
Resample	4-Dec-07	10.49	21.2	NS	NS
	3-Apr-08	40	65	28	40
Resample	14-May-08	43.2	45.5	11.64	79.0
	28-Oct-08	17	120	26	60

Notes:
1. NA = Not available.
2. NS = Not sampled.
3. Dry = Surface water monitoring point was considered to be dry.

TABLE 14

SUMMARY OF HISTORICAL CONSISTUENTS
LEACHATE

Constituent	Date	Concentration (ug/L)					
		DL	RL	Leachate		Blanks	
Antimony	Oct-99	NR	30	47		ND	
	Apr-00	NR	30	ND		ND	
	Oct-00	NR	30	ND		ND	
	Apr-01	NR	30	ND		ND	
	Oct-01	NR	30	ND		ND	
	Apr-02	NR	30	ND		ND	
	Apr-03	NR	30	ND		ND	
	5-Apr-05	NR	30	ND		ND	
	15-Dec-05	NR	30	ND		ND	
	21-Apr-06	NS	NS	NS		ND	
	12-Oct-06	NS	NS	NS		ND	
	26-Apr-07	NR	6.0	7		ND	
	11-Oct-07	0.05	6.0	4.0	J	0.1	J
	3-Apr-08	0.08	6.0	6.2		ND	
	28-Oct-08	0.08	6.0	8.8		ND	
Arsenic	Oct-99	NR	10	ND		ND	
	Apr-00	NR	10	ND		ND	
	Oct-00	NR	10	ND		ND	
	Apr-01	NR	10	ND		ND	
	Oct-01	NR	10	12		ND	
	Apr-02	NR	10	27		ND	
	Apr-03	NR	10	55		ND	
	5-Apr-05	NR	10	74		ND	
	15-Dec-05	NR	10	52		ND	
	21-Apr-06	NS	NS	NS		ND	
	12-Oct-06	NS	NS	NS		ND	
	26-Apr-07	NR	10	14		ND	
	11-Oct-07	0.47	10.0	59		ND	
	3-Apr-08	0.07	10.0	45		0.2	J
	28-Oct-08	0.07	10.0	66		0.5	J
Barium	Oct-99	NR	500	ND		ND	
	Apr-00	NR	500	ND		ND	
	Oct-00	NR	500	ND		ND	
	Apr-01	NR	500	ND		ND	
	Oct-01	NR	500	537		ND	
	Apr-02	NR	500	1358		ND	
	Apr-03	NR	500	794		ND	
	5-Apr-05	NR	500	542		ND	
	15-Dec-05	NR	500	ND		ND	
	21-Apr-06	NS	NS	NS		ND	
	12-Oct-06	NS	NS	NS		ND	
	26-Apr-07	NR	100	112		ND	
	11-Oct-07	0.04	100.0	754		0.2	J
	3-Apr-08	0.11	100.0	838		0.4	J
	28-Oct-08	0.11	100.0	868		0.7	J

TABLE 14

SUMMARY OF HISTORICAL CONSISTUENTS
LEACHATE

Constituent	Date	Concentration (ug/L)				
		DL	RL	Leachate		Blanks
Beryllium	Oct-99	NR	2	ND		ND
	Apr-00	NR	2	ND		ND
	Oct-00	NR	2	ND		ND
	Apr-01	NR	2	ND		ND
	Oct-01	NR	2	ND		ND
	Apr-02	NR	2	ND		ND
	Apr-03	NR	2	ND		ND
	5-Apr-05	NR	2	ND		ND
	15-Dec-05	NR	2	ND		ND
	21-Apr-06	NS	NS	NS		ND
	12-Oct-06	NS	NS	NS		ND
	26-Apr-07	NR	1.0	ND		ND
	11-Oct-07	0.08	1.0	0.1	J	ND
	3-Apr-08	0.06	1.0	0.1	J	ND
	28-Oct-08	0.06	1.0	0.2	J	ND
Cadmium	Oct-99	NR	1	ND		ND
	Apr-00	NR	1	ND		ND
	Oct-00	NR	1	ND		ND
	Apr-01	NR	1	ND		ND
	Oct-01	NR	1	ND		ND
	Apr-02	NR	1	2		ND
	Apr-03	NR	1	ND		ND
	5-Apr-05	NR	1	ND		ND
	15-Dec-05	NR	1	ND		ND
	21-Apr-06	NS	NS	NS		ND
	12-Oct-06	NS	NS	NS		ND
	26-Apr-07	NR	1.0	ND		ND
	11-Oct-07	0.06	1.0	2		0.1 J
	3-Apr-08	0.04	1.0	4		ND
	28-Oct-08	0.04	1.0	3.6		ND
Chromium	Oct-99	NR	10	ND		ND
	Apr-00	NR	10	ND		ND
	Oct-00	NR	10	ND		ND
	Apr-01	NR	10	20		ND
	Oct-01	NR	10	37		ND
	Apr-02	NR	10	158		ND
	Apr-03	NR	10	50		ND
	5-Apr-05	NR	10	48		ND
	15-Dec-05	NR	10	36		ND
	21-Apr-06	NS	NS	NS		ND
	12-Oct-06	NS	NS	NS		ND
	26-Apr-07	NR	10	ND		ND
	11-Oct-07	0.24	10.0	81		1.2 J
	3-Apr-08	0.11	10.0	61		ND
	28-Oct-08	0.11	10.0	72		ND

TABLE 14

SUMMARY OF HISTORICAL CONSISTUENTS
LEACHATE

Constituent	Date	Concentration (ug/L)					
		DL	RL	Leachate		Blanks	
Cobalt	Oct-99	NR	10	ND		ND	
	Apr-00	NR	10	ND		ND	
	Oct-00	NR	10	ND		ND	
	Apr-01	NR	10	ND		ND	
	Oct-01	NR	10	ND		ND	
	Apr-02	NR	10	ND		ND	
	Apr-03	NR	10	23		ND	
	5-Apr-05	NR	10	15		ND	
	15-Dec-05	NR	10	22		ND	
	21-Apr-06	NS	NS	NS		ND	
	12-Oct-06	NS	NS	NS		ND	
	26-Apr-07	NR	10	ND		ND	
	11-Oct-07	0.41	10.0	14		ND	
	3-Apr-08	0.03	10.0	13		ND	
	28-Oct-08	0.03	10.0	15		ND	
Copper	Oct-99	NR	200	ND		ND	
	Apr-00	NR	200	ND		ND	
	Oct-00	NR	200	ND		ND	
	Apr-01	NR	200	NA		ND	
	Oct-01	NR	200	ND		ND	
	Apr-02	NR	200	ND		ND	
	Apr-03	NR	200	ND		ND	
	5-Apr-05	NR	200	ND		ND	
	15-Dec-05	NR	200	ND		ND	
	21-Apr-06	NS	NS	NS		ND	
	12-Oct-06	NS	NS	NS		ND	
	26-Apr-07	NR	10	ND		ND	
	11-Oct-07	0.20	10.0	9.4	J	0.4	J
	3-Apr-08	0.05	10.0	12		0.2	J
	28-Oct-08	0.05	10.0	6.5	J	1.1	J
Lead	Oct-99	NR	10	ND		ND	
	Apr-00	NR	10	ND		ND	
	Oct-00	NR	10	ND		ND	
	Apr-01	NR	10	ND		ND	
	Oct-01	NR	10	ND		ND	
	Apr-02	NR	10	30		ND	
	Apr-03	NR	10	ND		ND	
	5-Apr-05	NR	10	11		ND	
	15-Dec-05	NR	10	ND		ND	
	21-Apr-06	NS	NS	NS		ND	
	12-Oct-06	NS	NS	NS		ND	
	26-Apr-07	NR	10	ND		ND	
	11-Oct-07	0.07	10.0	1.4	J	0.1	J
	3-Apr-08	0.04	10.0	0.7	J	0.1	J
	28-Oct-08	0.04	10.0	1.1	J	0.1	J

TABLE 14

SUMMARY OF HISTORICAL CONSISTUENTS
LEACHATE

Constituent	Date	Concentration (ug/L)					
		DL	RL	Leachate		Blanks	
Nickel	Oct-99	NR	50	ND		ND	
	Apr-00	NR	50	ND		ND	
	Oct-00	NR	50	ND		ND	
	Apr-01	NR	50	ND		ND	
	Oct-01	NR	50	77		ND	
	Apr-02	NR	50	394		ND	
	Apr-03	NR	50	141		ND	
	5-Apr-05	NR	50	112		ND	
	15-Dec-05	NR	50	84		ND	
	21-Apr-06	NS	NS	NS		ND	
	12-Oct-06	NS	NS	NS		ND	
	26-Apr-07	NR	50	ND		ND	
	11-Oct-07	0.66	50.0	77		ND	
	3-Apr-08	0.06	50.0	77		0.3	J
	28-Oct-08	0.06	50.0	81		0.2	J
Selenium	Oct-99	NR	20	ND		ND	
	Apr-00	NR	20	ND		ND	
	Oct-00	NR	10	ND		ND	
	Apr-01	NR	20	ND		ND	
	Oct-01	NR	20	ND		ND	
	Apr-02	NR	20	ND		ND	
	Apr-03	NR	20	ND		ND	
	5-Apr-05	NR	20	20		ND	
	15-Dec-05	NR	20	33		ND	
	21-Apr-06	NS	NS	NS		ND	
	12-Oct-06	NS	NS	NS		ND	
	26-Apr-07	NR	10	20		ND	
	11-Oct-07	0.35	10.0	51		0.9	J
	3-Apr-08	0.14	10.0	0.6	B	1.5	J
	28-Oct-08	0.14	10.0	ND		1.9	J
Silver	Oct-99	NR	10	ND		ND	
	Apr-00	NR	10	ND		ND	
	Oct-00	NR	10	ND		ND	
	Apr-01	NR	10	ND		ND	
	Oct-01	NR	10	ND		ND	
	Apr-02	NR	10	ND		ND	
	Apr-03	NR	10	ND		ND	
	5-Apr-05	NR	10	ND		ND	
	15-Dec-05	NR	10	ND		ND	
	21-Apr-06	NS	NS	NS		ND	
	12-Oct-06	NS	NS	NS		ND	
	26-Apr-07	NR	10	ND		ND	
	11-Oct-07	NA	10	ND		ND	
	3-Apr-08	0.04	10.0	0.7	J	ND	
	28-Oct-08	0.04	10.0	0.7	J	0.1	J

TABLE 14

SUMMARY OF HISTORICAL CONSISTUENTS
LEACHATE

Constituent	Date	Concentration (ug/L)					
		DL	RL	Leachate		Blanks	
Vanadium	Oct-99	NR	40	ND		ND	
	Apr-00	NR	40	ND		ND	
	Oct-00	NR	40	ND		ND	
	Apr-01	NR	40	ND		ND	
	Oct-01	NR	40	ND		ND	
	Apr-02	NR	40	ND		ND	
	Apr-03	NR	40	ND		ND	
	5-Apr-05	NR	40	ND		ND	
	15-Dec-05	NR	40	51		ND	
	21-Apr-06	NS	NS	NS		ND	
	12-Oct-06	NS	NS	NS		ND	
	26-Apr-07	NR	25	ND		ND	
	11-Oct-07	0.42	25.0	17.6	J	ND	
	3-Apr-08	0.07	25.0	14.9	J	0.1	J
	28-Oct-08	0.07	25.0	18.5	J	0.2	J
Zinc	Oct-99	NR	50	ND		ND	
	Apr-00	NR	50	ND		ND	
	Oct-00	NR	50	ND		ND	
	Apr-01	NR	50	60		ND	
	Oct-01	NR	50	101		ND	
	Apr-02	NR	50	298		ND	
	Apr-03	NR	50	691		ND	
	5-Apr-05	NR	50	721		ND	
	15-Dec-05	NR	50	ND		ND	
	21-Apr-06	NS	NS	NS		ND	
	12-Oct-06	NS	NS	NS		ND	
	26-Apr-07	NR	10	22		ND	
	11-Oct-07	0.20	10.0	42		6.6	J
	3-Apr-08	0.04	10.0	23		2.2	J
	28-Oct-08	0.04	10.0	20		0.4	J
Acetone	Oct-99	NR	NA	ND		ND	
	Apr-00	NR	NA	3829		ND	
	Oct-00	NR	NA	ND		ND	
	Apr-01	NR	NA	ND		ND	
	Oct-01	NR	100	NA		ND	
	Apr-02	NR	100	9690		ND	
	Apr-03	NR	500	1090		ND	
	5-Apr-05	NR	500	4570		ND	
	15-Dec-05	NR	500	ND		ND	
	21-Apr-06	NS	NS	NS		ND	
	12-Oct-06	NS	NS	NS		ND	
	26-Apr-07	NR	100	ND		ND	
	11-Oct-07	1.21	100.0	81.70	J	ND	
	3-Apr-08	1.21	100.0	148.00		2.10	J
	28-Oct-08	1.21	100.0	237.00		1.30	J

TABLE 14

SUMMARY OF HISTORICAL CONSISTUENTS
LEACHATE

Constituent	Date	Concentration (ug/L)				
		DL	RL	Leachate		Blanks
Benzene	Oct-99	NR	NA	ND		ND
	Apr-00	NR	NA	ND		ND
	Oct-00	NR	NA	ND		ND
	Apr-01	NR	NA	12		ND
	Oct-01	NR	5	NA		ND
	Apr-02	NR	5	NA		ND
	Apr-03	NR	25	ND		ND
	5-Apr-05	NR	25	7.3		ND
	15-Dec-05	NR	25	ND		ND
	21-Apr-06	NS	NS	NS		ND
	12-Oct-06	NS	NS	NS		ND
	26-Apr-07	NR	3.00	ND		ND
	11-Oct-07	0.16	1.0	3.90		ND
	3-Apr-08	0.16	1.0	2.60		ND
	28-Oct-08	0.16	1.0	1.80		ND
Chlorobenzene	11-Oct-07	0.13	3.0	1.80	J	ND
	3-Apr-08	0.13	3.0	1.30	J	ND
	28-Oct-08	0.13	3.0	0.90	J	ND
Chloroethane	Oct-99	NR	NA	ND		ND
	Apr-00	NR	NA	ND		ND
	Oct-00	NR	NA	ND		ND
	Apr-01	NR	NA	19		ND
	Oct-01	NR	10	NA		ND
	Apr-02	NR	10	NA		ND
	Apr-03	NR	50	ND		ND
	5-Apr-05	NR	50	ND		ND
	15-Dec-05	NR	50	ND		ND
	21-Apr-06	NS	NS	NS		ND
	12-Oct-06	NS	NS	NS		ND
	26-Apr-07	NR	5.00	ND		ND
	11-Oct-07	0.29	10.0	0.50	J	ND
	3-Apr-08	0.29	10.0	0.40	J	ND
	28-Oct-08	0.29	10.0	ND		ND
Chloromethane	11-Oct-07	0.18	1.0	2.40		ND
	3-Apr-08	0.18	1.0	ND		ND
	28-Oct-08	0.18	1.0	ND		ND
Cis-1,2-Dichloroethylene	11-Oct-07	0.14	5.0	2.00	J	ND
	3-Apr-08	0.14	5.0	2.00	J	ND
	28-Oct-08	0.14	5.0	1.40	J	ND

TABLE 14

SUMMARY OF HISTORICAL CONSISTUENTS
LEACHATE

Constituent	Date	Concentration (ug/L)				
		DL	RL	Leachate		Blanks
1,1-Dichloroethane	Oct-99	NR	NA	ND		ND
	Apr-00	NR	NA	15		ND
	Oct-00	NR	NA	ND		ND
	Apr-01	NR	NA	ND		ND
	Oct-01	NR	5	NA		ND
	Apr-02	NR	5	NA		ND
	Apr-03	NR	25	ND		ND
	5-Apr-05	NR	25	ND		ND
	15-Dec-05	NR	25	ND		ND
	21-Apr-06	NS	NS	NS		ND
	12-Oct-06	NS	NS	NS		ND
	26-Apr-07	NR	5.00	ND		ND
	11-Oct-07	0.16	5.0	0.30	J	ND
	3-Apr-08	0.14	5.0	ND		ND
	28-Oct-08	0.16	5.0	ND		ND
1,2-Dichloroethane	11-Oct-07	0.12	1.0	0.40	J	ND
	3-Apr-08	0.12	1.0	0.30	J	ND
	28-Oct-08	0.12	1.0	0.20	J	ND
1,2-Dichloropropane	11-Oct-07	0.17	1.0	0.30	J	ND
	3-Apr-08	0.17	1.0	ND		ND
	28-Oct-08	0.17	1.0	0.20	J	ND
2-Butanone	Oct-99	NR	NA	ND		ND
	Apr-00	NR	NA	5343		ND
	Oct-00	NR	NA	ND		ND
	Apr-01	NR	NA	ND		ND
	Oct-01	NR	100	ND		ND
	Apr-02	NR	100	5640		ND
	Apr-03	NR	500	861		ND
	5-Apr-05	NR	500	1580		ND
	15-Dec-05	NR	500	ND		ND
	21-Apr-06	NS	NS	NS		ND
	12-Oct-06	NS	NS	NS		ND
	26-Apr-07	NR	100.00	ND		ND
	11-Oct-07	0.85	100.0	45.10	J	ND
	3-Apr-08	0.85	100.0	81.90	J	ND
	28-Oct-08	0.85	100.0	166.00		ND

TABLE 14

SUMMARY OF HISTORICAL CONSISTUENTS
LEACHATE

Constituent	Date	Concentration (ug/L)				
		DL	RL	Leachate		Blanks
2-Hexanone	5-Apr-05	NR	50	67.1		ND
	15-Dec-05	NR	250	ND		ND
	21-Apr-06	NS	NS	NS		ND
	12-Oct-06	NS	NS	NS		ND
	26-Apr-07	NR	50.00	ND		ND
	11-Oct-07	1.00	50.0	ND		ND
	3-Apr-08	1.00	50.0	ND		ND
	28-Oct-08	1.00	50.0	ND		ND
Styrene	5-Apr-05	NR	10	33.2		ND
	15-Dec-05	NR	50	ND		ND
	21-Apr-06	NS	NS	NS		ND
	12-Oct-06	NS	NS	NS		ND
	26-Apr-07	NR	10.00	ND		ND
	11-Oct-07	0.16	1.0	2.10		ND
	3-Apr-08	0.16	1.0	1.70		ND
	28-Oct-08	0.16	1.0	ND		ND
1,2-Dichlorobenzene	11-Oct-07	0.13	5.0	1.10	J	ND
	3-Apr-08	0.13	5.0	1.10	J	ND
	28-Oct-08	0.13	5.0	0.90	J	ND
1,4-Dichlorobenzene	5-Apr-05	NR	5	12.5		ND
	15-Dec-05	NR	25	ND		ND
	21-Apr-06	NS	NS	NS		ND
	12-Oct-06	NS	NS	NS		ND
	26-Apr-07	NR	3.00	13.40		ND
	11-Oct-07	0.21	1.0	15.70		ND
	3-Apr-08	0.21	1.0	14.90		ND
	28-Oct-08	0.21	1.0	13.40		ND
Trichloroethylene	Oct-99	NR	NA	ND		ND
	Apr-00	NR	NA	5.6		ND
	Oct-00	NR	NA	ND		ND
	Apr-01	NR	NA	ND		ND
	Oct-01	NR	5	NA		ND
	Apr-02	NR	5	NA		ND
	Apr-03	NR	25	ND		ND
	5-Apr-05	NR	25	ND		ND
	15-Dec-05	NR	25	ND		ND
	21-Apr-06	NS	NS	NS		ND
	12-Oct-06	NS	NS	NS		ND
	26-Apr-07	NR	3.00	ND		ND
	11-Oct-07	0.13	1.0	0.30	J	ND
	3-Apr-08	0.13	1.0	0.20	J	ND
	28-Oct-08	0.13	1.0	0.50	J	ND

TABLE 14

SUMMARY OF HISTORICAL CONSISTUENTS
LEACHATE

Constituent	Date	Concentration (ug/L)					
		DL	RL	Leachate		Blanks	
Tetrachloroethylene	Oct-99	NR	NA	ND		ND	
	Apr-00	NR	NA	22		ND	
	Oct-00	NR	NA	ND		ND	
	Apr-01	NR	NA	ND		ND	
	Oct-01	NR	5	NA		ND	
	Apr-02	NR	5	ND		ND	
	Apr-03	NR	25	ND		ND	
	5-Apr-05	NR	25	ND		ND	
	15-Dec-05	NR	25	ND		ND	
	21-Apr-06	NS	NS	NS		ND	
	12-Oct-06	NS	NS	NS		ND	
	26-Apr-07	NR	3.00	ND		ND	
	11-Oct-07	0.16	1.0	ND		ND	
	3-Apr-08	0.16	1.0	ND		ND	
	28-Oct-08	0.16	1.0	ND		ND	
Ethylbenzene	Oct-99	NR	NA	ND		ND	
	Apr-00	NR	NA	ND		ND	
	Oct-00	NR	NA	ND		ND	
	Apr-01	NR	NA	66		ND	
	Oct-01	NR	5	NA		ND	
	Apr-02	NR	5	93.8		ND	
	Apr-03	NR	25	128		ND	
	5-Apr-05	NR	25	176		ND	
	15-Dec-05	NR	25	126		ND	
	21-Apr-06	NS	NS	NS		ND	
	12-Oct-06	NS	NS	NS		ND	
	26-Apr-07	NR	5.00	9.50		ND	
	11-Oct-07	0.16	1.0	179.00		ND	
	3-Apr-08	0.16	1.0	160.00		ND	
	28-Oct-08	0.16	1.0	105.00		ND	
Methylene Chloride	Oct-99	NR	NA	32		ND	
	Apr-00	NR	NA	234		ND	
	Oct-00	NR	NA	ND		ND	
	Apr-01	NR	NA	69		ND	
	Oct-01	NR	10	NA		ND	
	Apr-02	NR	10	NA		ND	
	Apr-03	NR	50	ND		ND	
	5-Apr-05	NR	50	ND		ND	
	15-Dec-05	NR	50	ND		ND	
	21-Apr-06	NS	NS	NS		ND	
	12-Oct-06	NS	NS	NS		ND	
	26-Apr-07	NR	5.00	ND		ND	
	11-Oct-07	0.14	1.0	0.30	B	0.20	J
	3-Apr-08	0.14	1.0	ND		ND	
	28-Oct-08	0.14	1.0	0.20	J	ND	

TABLE 14

SUMMARY OF HISTORICAL CONSISTUENTS
LEACHATE

Constituent	Date	Concentration (ug/L)			
		DL	RL	Leachate	Blanks
Toluene	Oct-99	NR	NA	9	ND
	Apr-00	NR	NA	16	ND
	Oct-00	NR	NA	ND	ND
	Apr-01	NR	NA	251	ND
	Oct-01	NR	5	NA	ND
	Apr-02	NR	5	148	ND
	Apr-03	NR	25	125	ND
	5-Apr-05	NR	25	108	ND
	15-Dec-05	NR	25	ND	ND
	21-Apr-06	NS	NS	NS	ND
	12-Oct-06	NS	NS	NS	ND
	26-Apr-07	NR	5.00	5.60	ND
	11-Oct-07	0.13	1.0	22.80	ND
	3-Apr-08	0.13	1.0	20.10	ND
	28-Oct-08	0.13	1.0	24.00	ND
1,1,1-Trichloroethane	Oct-99	NR	NA	75	ND
	Apr-00	NR	NA	29	ND
	Oct-00	NR	NA	ND	ND
	Apr-01	NR	NA	ND	ND
	Oct-01	NR	5	NA	ND
	Apr-02	NR	5	NA	ND
	Apr-03	NR	25	ND	ND
	5-Apr-05	NR	25	ND	ND
	15-Dec-05	NR	25	ND	ND
	21-Apr-06	NS	NS	NS	ND
	12-Oct-06	NS	NS	NS	ND
	26-Apr-07	NR	5.00	ND	ND
	11-Oct-07	0.11	1.0	ND	ND
	3-Apr-08	0.11	1.0	ND	ND
	28-Oct-08	0.11	1.0	ND	ND
1,2,3-Trichloropropane	11-Oct-07	0.06	1.0	0.10 J	ND
	3-Apr-08	0.06	1.0	ND	ND
	28-Oct-08	0.06	1.0	ND	ND
1,1,2,2-Tetrachloroethane	11-Oct-07	0.16	3.0	0.30 J	ND
	3-Apr-08	0.16	3.0	ND	ND
	28-Oct-08	0.16	3.0	ND	ND

TABLE 14

SUMMARY OF HISTORICAL CONSISTUENTS
LEACHATE

Constituent	Date	Concentration (ug/L)			
		DL	RL	Leachate	Blanks
Trichlorofluoromethane	Oct-99	NR	NA	220	ND
	Apr-00	NR	NA	37	ND
	Oct-00	NR	NA	ND	ND
	Apr-01	NR	NA	10	ND
	Oct-01	NR	5	NA	ND
	Apr-02	NR	5	NA	ND
	Apr-03	NR	25	ND	ND
	5-Apr-05	NR	25	ND	ND
	15-Dec-05	NR	25	ND	ND
	21-Apr-06	NS	NS	NS	ND
	12-Oct-06	NS	NS	NS	ND
	26-Apr-07	NR	5.00	ND	ND
	11-Oct-07	0.13	1.0	ND	ND
	3-Apr-08	0.13	1.0	ND	ND
	28-Oct-08	0.13	1.0	ND	ND
Vinyl Chloride	Oct-99	NR	NA	ND	ND
	Apr-00	NR	NA	ND	ND
	Oct-00	NR	NA	ND	ND
	Apr-01	NR	NA	36	ND
	Oct-01	NR	10	NA	ND
	Apr-02	NR	10	NA	ND
	Apr-03	NR	50	ND	ND
	5-Apr-05	NR	50	ND	ND
	15-Dec-05	NR	50	ND	ND
	21-Apr-06	NS	NS	NS	ND
	12-Oct-06	NS	NS	NS	ND
	26-Apr-07	NR	5.00	ND	ND
	11-Oct-07	0.34	1.0	1.10	ND
	3-Apr-08	0.34	1.0	ND	ND
	28-Oct-08	0.34	1.0	ND	ND
4-Methyl-2-Pentanone	Oct-99	NR	NA	ND	ND
	Apr-00	NR	NA	116	ND
	Oct-00	NR	NA	ND	ND
	Apr-01	NR	NA	471	ND
	Oct-01	NR	50	NA	ND
	Apr-02	NR	50	NA	ND
	Apr-03	NR	500	923	ND
	5-Apr-05	NR	500	2530	ND
	15-Dec-05	NR	500	ND	ND
	21-Apr-06	NS	NS	NS	ND
	12-Oct-06	NS	NS	NS	ND
	26-Apr-07	NR	100.00	ND	ND
	11-Oct-07	0.68	100.0	51.50 J	ND
	3-Apr-08	0.68	100.0	130.00	ND
	28-Oct-08	0.68	100.0	230.00	ND

TABLE 14

SUMMARY OF HISTORICAL CONSISTUENTS
LEACHATE

Constituent	Date	Concentration (ug/L)			
		DL	RL	Leachate	Blanks
Xylenes (total)	Oct-99	NR	NA	ND	ND
	Apr-00	NR	NA	ND	ND
	Oct-00	NR	NA	ND	ND
	Apr-01	NR	NA	52	ND
	Oct-01	NR	5	NA	ND
	Apr-02	NR	5	60.6	ND
	Apr-03	NR	25	102	ND
	5-Apr-05	NR	25	147	ND
	15-Dec-05	NR	25	189	ND
	21-Apr-06	NR	NS	NS	ND
	12-Oct-06	NR	NS	NS	ND
	26-Apr-07	NR	4.00	37.20	ND
	11-Oct-07	0.48	5.0	158.00	ND
	3-Apr-08	0.48	5.0	97.20	ND
	23-Oct-08	0.48	5.0	61.70	ND

Notes:

1. All concentrations are in ug/L.
2. RL = Laboratory reporting limit (NC SWSL or lower from October 2007 to present)
3. ND = Not detected above reporting limit
4. J = Estimated value between the DL and the QL
5. B = Blank-qualified data; result is expected to be biased high based on concentrations in the blanks
6. DL = Laboratory detection limit
7. NA = Data not available.
8. NS = Not sampled.
9. NR = Not Reported.

Figure

Figure No. 1 Site Location Map

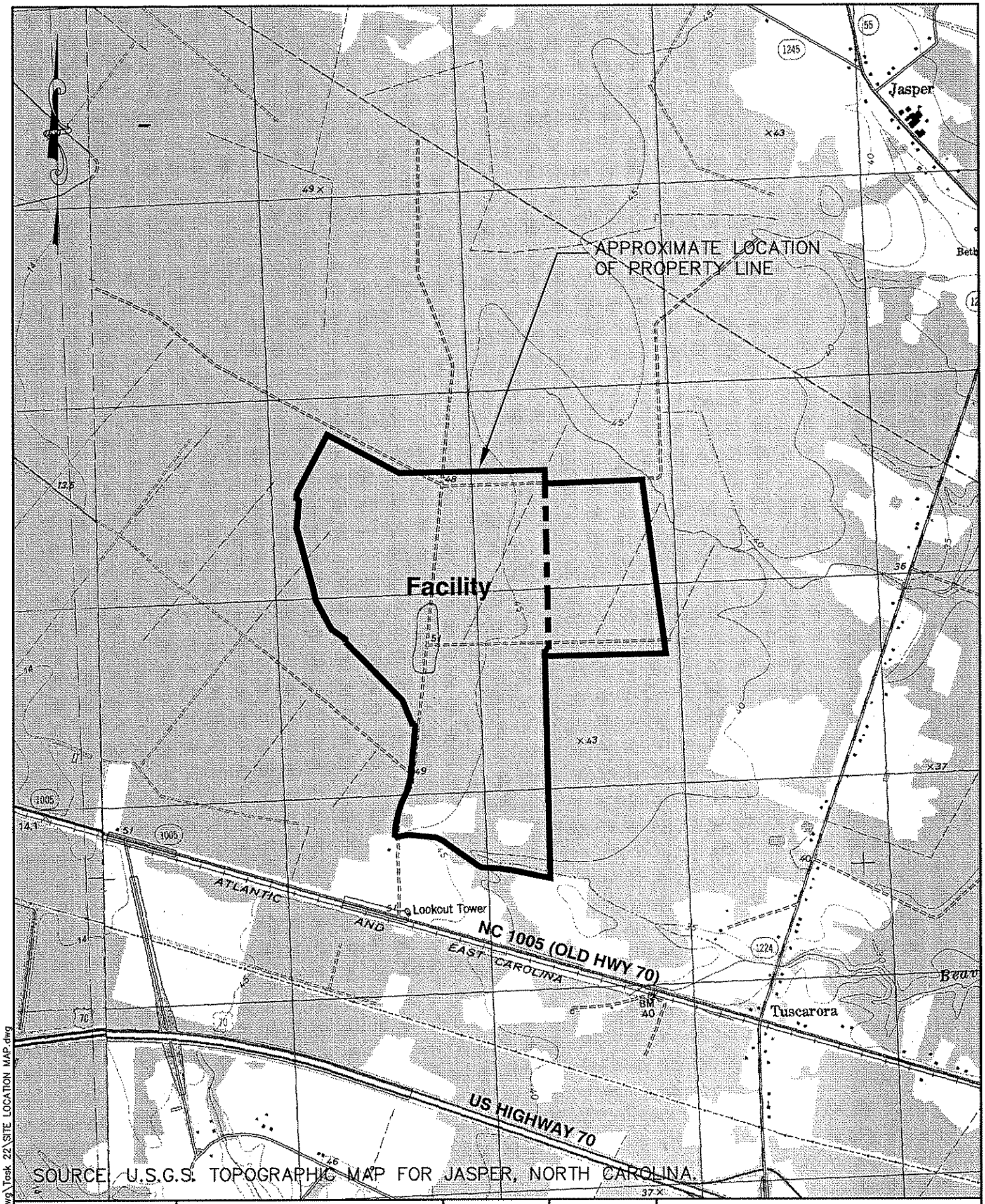

FIGURE NO. 1	JOYCE ENGINEERING, INC. 2211 WEST MEADOWVIEW ROAD GREENSBORO, N.C. 27407 PHONE: (336) 323-0092	SCALE 1"=2000'	PROJECT NO. 618.08.01	CRSWMA: TUSCARORA LANDFILL SITE LOCATION MAP

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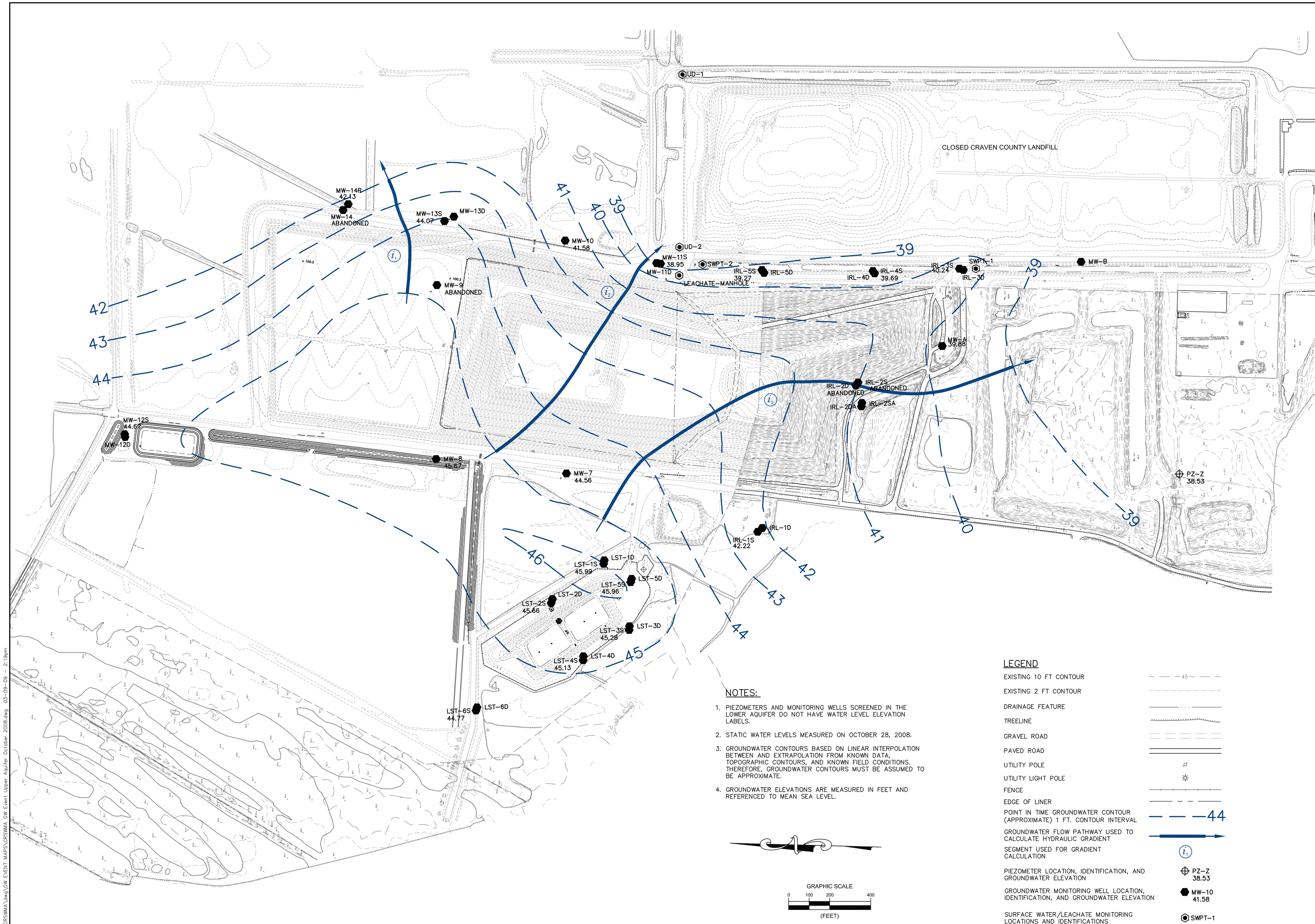
L:\CRSWMA\dwg\Task 22\SITE LOCATION MAP.dwg

Drawings

Drawing No. 1	Shallow Aquifer Groundwater Surface Contour Map
Drawing No. 2	Deep Aquifer Groundwater Surface Contour Map



NOTES:

1. PIEZOMETERS AND MONITORING WELLS SCREENED IN THE LOWER AQUIFER DO NOT HAVE WATER LEVEL ELEVATION LABELS.
2. STATIC WATER LEVELS MEASURED ON OCTOBER 28, 2008.
3. GROUNDWATER CONTOURS BASED ON LINEAR INTERPOLATION BETWEEN AND EXTRAPOLATION FROM KNOWN DATA, TOPOGRAPHIC CONTOURS, AND KNOWN FIELD CONDITIONS. THEREFORE, GROUNDWATER CONTOURS MUST BE ASSUMED TO BE APPROXIMATE.
4. GROUNDWATER ELEVATIONS ARE MEASURED IN FEET AND REFERENCED TO MEAN SEA LEVEL.

GRAPHIC SCALE

0 100 200 400

(FEET)

LEGEND

EXISTING 10 FT CONTOUR	45
EXISTING 2 FT CONTOUR	
DRAINAGE FEATURE	
TREELINE	
GRAVEL ROAD	
PAVED ROAD	
UTILITY POLE	
UTILITY LIGHT POLE	
FENCE	
EDGE OF LINER	
POINT IN TIME GROUNDWATER CONTOUR (APPROXIMATE) 1 FT. CONTOUR INTERVAL	44
GROUNDWATER FLOW PATHWAY USED TO CALCULATE HYDRAULIC GRADIENT	
SEGMENT USED FOR GRADIENT CALCULATION	i_1
PIEZOMETER LOCATION, IDENTIFICATION, AND GROUNDWATER ELEVATION	PZ-Z 38.53
GROUNDWATER MONITORING WELL LOCATION, IDENTIFICATION, AND GROUNDWATER ELEVATION	MW-10 41.58
SURFACE WATER/LEACHATE MONITORING LOCATIONS AND IDENTIFICATIONS	SWPT-1

DATE	REVISIONS AND RECORD OF ISSUE	NO	BY	CK	APP

DESIGNED JJK
DRAWN CADD/JJK
CHECKED VB
APPROVED VB
DATE 01/28/09

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JOYCE ENGINEERING, INC.
2211 WEST MEADOWVIEW ROAD
GREENSBORO, NC 27407
PHONE: (336) 323-0092

CRSWMA: TUSCARORA LANDFILL

SHALLOW AQUIFER GROUNDWATER SURFACE CONTOUR MAP
OCTOBER 28, 2008

PROJECT NO.
618.08.01

SCALE
1"=200'

DRAWING NO.
1

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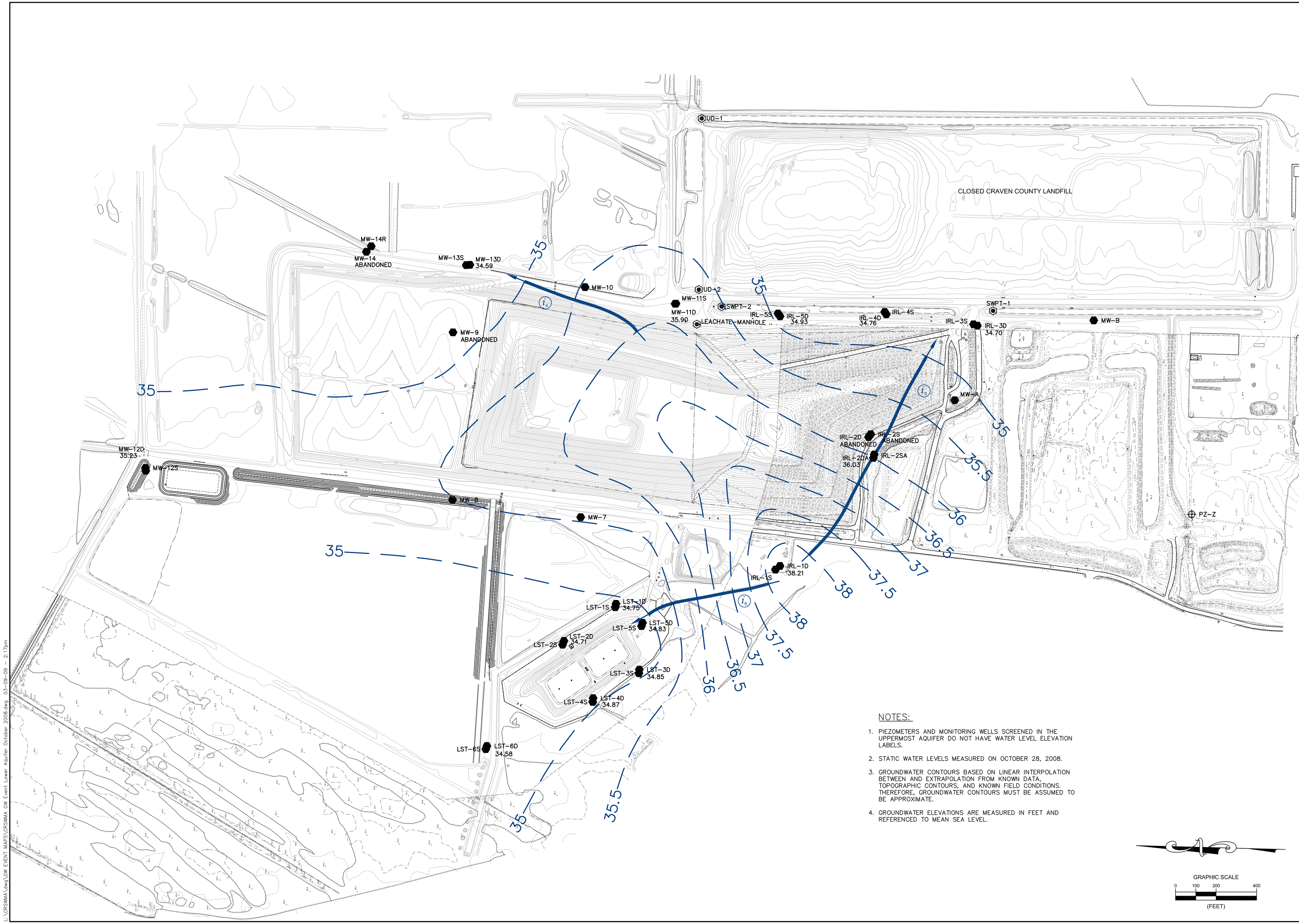

NOTES:

1. PIEZOMETERS AND MONITORING WELLS SCREENED IN THE UPPERMOST AQUIFER DO NOT HAVE WATER LEVEL ELEVATION LABELS.
2. STATIC WATER LEVELS MEASURED ON OCTOBER 28, 2008.
3. GROUNDWATER CONTOURS BASED ON LINEAR INTERPOLATION BETWEEN AND EXTRAPOLATION FROM KNOWN DATA, TOPOGRAPHIC CONTOURS, AND KNOWN FIELD CONDITIONS. THEREFORE, GROUNDWATER CONTOURS MUST BE ASSUMED TO BE APPROXIMATE.
4. GROUNDWATER ELEVATIONS ARE MEASURED IN FEET AND REFERENCED TO MEAN SEA LEVEL.

GRAPHIC SCALE
0 100 200 400
(FEET)

DATE	REVISIONS AND RECORD OF ISSUE	NO	BY	CK	APP

DESIGNED JJK
DRAWN CADD/JJK
CHECKED VB
APPROVED
DATE 01/28/09

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JOYCE ENGINEERING, INC.
2211 WEST MEADOWVIEW ROAD
GREENSBORO, NC 27407
PHONE: (336) 323-0092

CRSWMA: TUSCARORA REGIONAL LANDFILL

DEEP AQUIFER GROUNDWATER
SURFACE CONTOUR MAP
OCTOBER 28, 2008

PROJECT NO.
618.08.01

SCALE
1"=200'

DRAWING NO.
2

L:\CRSWMA\dwg\GW EVENT MAPS\CRSWMA GW Event Lower Aquifer October 2008.dwg 03-09-09 - 2:17pm

Appendices

Appendix 1	Laboratory Analytical Reports and Field Data
Appendix 2	Statistical Analyses Worksheets

Appendix 1 Laboratory Analytical Reports and Field Data

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

ID#: 6035

CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
MR. ALLEN HARDISON
P.O. BOX 128
COVE CITY ,NC 28523

DATE COLLECTED: 10/28/08
DATE REPORTED : 12/01/08

REVIEWED BY:

PARAMETERS	MDL	SWSL	Leach Stor 1S	Leach Stor 1D	Leach Stor 2S	Leach Stor 2D	Leach Stor 3S	Analysis Date	Analyst	Method Code
PH (field measurement), Units			4.9	6.5	5.2		4.7	10/28/08	RJH	SM4500HB
Antimony, ug/l	0.08	6.0	--- U	0.2 J	--- U		0.4 J	10/31/08	LFJ	EPA200.8
Arsenic, ug/l	0.07	10.0	0.7 J	1.0 J	1.8 J		1.7 J	10/31/08	LFJ	EPA200.8
Barium, ug/l	0.11	100.0	53.5 J	47.6 J	64.8 J		158	10/31/08	LFJ	EPA200.8
Beryllium, ug/l	0.06	1.0	0.5 J	0.1 J	0.6 J		1.0	10/31/08	LFJ	EPA200.8
Cadmium, ug/l	0.04	1.0	0.3 J	0.3 J	0.1 J		0.4 J	10/31/08	LFJ	EPA200.8
Cobalt, ug/l	0.03	10.0	0.7 J	0.7 J	0.8 J		6.6 J	10/31/08	LFJ	EPA200.8
Copper, ug/l	0.05	10.0	2.2 J	1.1 J	2.6 J		1.9 J	10/31/08	LFJ	EPA200.8
Total Chromium, ug/l	0.11	10.0	5.4 J	1.3 J	8.8 J		3.1 J	10/31/08	LFJ	EPA200.8
Lead, ug/l	0.04	10.0	4 J	0.6 J	8.5 J		11	10/31/08	LFJ	EPA200.8
Nickel, ug/l	0.06	50.0	1.4 J	3.3 J	1.5 J		8 J	10/31/08	LFJ	EPA200.8
Selenium, ug/l	0.14	10.0	0.8 J	--- U	0.3 J		0.3 J	10/31/08	LFJ	EPA200.8
Silver, ug/l	0.04	10.0	0.1 J	--- U	--- U		0.1 J	10/31/08	LFJ	EPA200.8
Thallium, ug/l	0.04	5.0	0.1 J	--- U	0.1 J		0.1 J	10/31/08	LFJ	EPA200.8
Vanadium, ug/l	0.07	25.0	6.9 J	1.6 J	11.7 J		4.5 J	10/31/08	LFJ	EPA200.8
Zinc, ug/l	0.04	10.0	8 J	6 J	11		35	10/31/08	LFJ	EPA200.8
Turbidity, NTU	1.0	1.0	90	55	230		90	10/28/08	MJN	SM2130B
Conductivity (at 25c), uMhos	1.0	1.0	69	475	84		117	10/28/08	RJH	SM2510B
Temperature, °C			20	19	19		19	10/28/08	RJH	SM2550B
Static Water Level, feet			4.93	16.17	5.34	16.23	6.89	10/28/08	RJH	
Well Depth, feet			15.04	34.86	14.45	33.29	17.65	10/28/08	RJH	

RECEIVED DEC - 4 2008

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

ID#: 6035

CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
MR. ALLEN HARDISON
P.O. BOX 128
COVE CITY ,NC 28523

DATE COLLECTED: 10/28/08
DATE REPORTED : 12/01/08

REVIEWED BY:

PARAMETERS	MDL	Leach SWSL	Leach Stor 3D	Leach Stor 4S	Leach Stor 4D	Leach Stor 5S	Leach Stor 5D	Analysis Date	Analyst	Method Code
PH (field measurement), Units				4.7		6.0	6.8	10/28/08	RJH	SM4500HB
Antimony, ug/l	0.08	6.0		0.1 J		0.6 J	0.2 J	10/31/08	LFJ	EPA200.8
Arsenic, ug/l	0.07	10.0		3.1 J		0.9 J	0.8 J	10/31/08	LFJ	EPA200.8
Barium, ug/l	0.11	100.0		66.2 J		34 J	71.8 J	10/31/08	LFJ	EPA200.8
Beryllium, ug/l	0.06	1.0		0.6 J		0.1 J	0.3 J	10/31/08	LFJ	EPA200.8
Cadmium, ug/l	0.04	1.0		0.2 J		0.1 J	0.1 J	10/31/08	LFJ	EPA200.8
Cobalt, ug/l	0.03	10.0		1.8 J		0.3 J	0.5 J	10/31/08	LFJ	EPA200.8
Copper, ug/l	0.05	10.0		1.9 J		1.6 J	1.2 J	10/31/08	LFJ	EPA200.8
Total Chromium, ug/l	0.11	10.0		7.7 J		3.9 J	1.7 J	10/31/08	LFJ	EPA200.8
Lead, ug/l	0.04	10.0		9.5 J		2.5 J	1 J	10/31/08	LFJ	EPA200.8
Nickel, ug/l	0.06	50.0		2.7 J		1.4 J	3.3 J	10/31/08	LFJ	EPA200.8
Selenium, ug/l	0.14	10.0		0.2 J		0.3 J	0.2 J	10/31/08	LFJ	EPA200.8
Silver, ug/l	0.04	10.0		0.1 J		--- U	0.1 J	10/31/08	LFJ	EPA200.8
Thallium, ug/l	0.04	5.0		0.1 J		0.1 J	--- U	10/31/08	LFJ	EPA200.8
Vanadium, ug/l	0.07	25.0		10.3 J		6.5 J	2 J	10/31/08	LFJ	EPA200.8
Zinc, ug/l	0.04	10.0		15		18	7.5 J	10/31/08	LFJ	EPA200.8
Turbidity, NTU	1.0	1.0		230		110	70	10/28/08	MJN	SM2130B
Conductivity (at 25c), uMhos	1.0	1.0		44		185	553	10/28/08	RJH	SM2510B
Temperature, °C				20		21	20	10/28/08	RJH	SM2550B
Static Water Level, feet			17.02	6.25	16.69	6.41	17.44	10/28/08	RJH	
Well Depth, feet			34.85	17.62	36.12	15.41	38.66	10/28/08	RJH	

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

ID#: 6035

CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
MR. ALLEN HARDISON
P.O. BOX 128
COVE CITY ,NC 28523

DATE COLLECTED: 10/28/08
DATE REPORTED : 12/01/08

REVIEWED BY:

PARAMETERS	MDL	SWSL	Leach Stor 6S	Leach Stor 6D	Trip Blank	Equipment Blank	Analysis Date	Analyst	Method Code
PH (field measurement), Units			5.4				10/28/08	RJH	SM4500HB
Antimony, ug/l	0.08	6.0	0.1 J			--- U	10/31/08	LFJ	EPA200.8
Arsenic, ug/l	0.07	10.0	1.5 J			--- U	10/31/08	LFJ	EPA200.8
Barium, ug/l	0.11	100.0	84.8 J			0.2 J	10/31/08	LFJ	EPA200.8
Beryllium, ug/l	0.06	1.0	0.4 J			--- U	10/31/08	LFJ	EPA200.8
Cadmium, ug/l	0.04	1.0	0.1 J			--- U	10/31/08	LFJ	EPA200.8
Cobalt, ug/l	0.03	10.0	0.8 J			--- U	10/31/08	LFJ	EPA200.8
Copper, ug/l	0.05	10.0	2.3 J			0.4 J	10/31/08	LFJ	EPA200.8
Total Chromium, ug/l	0.11	10.0	9.2 J			--- U	10/31/08	LFJ	EPA200.8
Lead, ug/l	0.04	10.0	12			0.1 J	10/31/08	LFJ	EPA200.8
Nickel, ug/l	0.06	50.0	1.9 J			0.3 J	10/31/08	LFJ	EPA200.8
Selenium, ug/l	0.14	10.0	0.2 J			--- U	10/31/08	LFJ	EPA200.8
Silver, ug/l	0.04	10.0	0.1 J			--- U	10/31/08	LFJ	EPA200.8
Thallium, ug/l	0.04	5.0	0.2 J			--- U	10/31/08	LFJ	EPA200.8
Vanadium, ug/l	0.07	25.0	14.8 J			0.2 J	10/31/08	LFJ	EPA200.8
Zinc, ug/l	0.04	10.0	144			0.9 J	10/31/08	LFJ	EPA200.8
Turbidity, NTU	1.0	1.0	650				10/28/08	MJN	SM2130B
Conductivity (at 25c), uMhos	1.0	1.0	46				10/28/08	RJH	SM2510B
Temperature, °C			19				10/28/08	RJH	SM2550B
Static Water Level, feet			7.24	16.59			10/28/08	RJH	
Well Depth, feet			16.44	34.37			10/28/08	RJH	

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
MR. ALLEN HARDISON
P.O. BOX 128
COVE CITY, NC 28523

CLIENT ID: 6035

ANALYST: MAO
DATE COLLECTED: 10/28/08
DATE ANALYZED: 11/09/08
DATE REPORTED: 12/01/08

REVIEWED BY: _____

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	Leach Stor 1S	Leach Stor 1D	Leach Stor 2S	Leach Stor 3S	Leach Stor 4S
1. Chloromethane	0.18	1.0	--- U	--- U	--- U	--- U	0.20 J
2. Vinyl Chloride	0.34	1.0	--- U	--- U	--- U	--- U	--- U
3. Bromomethane	0.26	10.0	--- U	--- U	--- U	--- U	--- U
4. Chloroethane	0.29	10.0	--- U	--- U	--- U	--- U	--- U
5. Trichlorofluoromethane	0.13	1.0	--- U	--- U	--- U	--- U	--- U
6. 1,1-Dichloroethene	0.14	5.0	--- U	--- U	--- U	--- U	--- U
7. Acetone	1.21	100.0	--- U	--- U	--- U	--- U	--- U
8. Iodomethane	0.12	10.0	--- U	--- U	--- U	--- U	--- U
9. Carbon Disulfide	0.14	100.0	--- U	--- U	--- U	--- U	--- U
10. Methylene Chloride	0.14	1.0	0.30 J	--- U	--- U	--- U	--- U
11. trans-1,2-Dichloroethene	0.13	5.0	--- U	--- U	--- U	--- U	--- U
12. 1,1-Dichloroethane	0.16	5.0	--- U	--- U	--- U	--- U	--- U
13. Vinyl Acetate	0.20	50.0	--- U	--- U	--- U	--- U	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	--- U	--- U	--- U	--- U	--- U
15. 2-Butanone	0.85	100.0	--- U	--- U	--- U	--- U	--- U
16. Bromochloromethane	0.11	3.0	--- U	--- U	--- U	--- U	--- U
17. Chloroform	0.13	5.0	--- U	--- U	--- U	--- U	--- U
18. 1,1,1-Trichloroethane	0.11	1.0	--- U	--- U	--- U	--- U	--- U
19. Carbon Tetrachloride	0.13	1.0	--- U	--- U	--- U	--- U	--- U
20. Benzene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
21. 1,2-Dichloroethane	0.12	1.0	--- U	--- U	--- U	--- U	--- U
22. Trichloroethene	0.13	1.0	--- U	--- U	--- U	--- U	--- U
23. 1,2-Dichloropropane	0.17	1.0	--- U	--- U	--- U	--- U	--- U
24. Bromodichloromethane	0.13	1.0	--- U	--- U	--- U	--- U	--- U
25. Cis-1,3-Dichloropropene	0.17	1.0	--- U	--- U	--- U	--- U	--- U
26. 4-Methyl-2-Pentanone	0.68	100.0	--- U	--- U	--- U	--- U	--- U
27. Toluene	0.13	1.0	--- U	--- U	--- U	--- U	--- U
28. trans-1,3-Dichloropropene	0.14	1.0	--- U	--- U	--- U	--- U	--- U
29. 1,1,2-Trichloroethane	0.20	1.0	--- U	--- U	--- U	--- U	--- U
30. Tetrachloroethene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
31. 2-Hexanone	1.00	50.0	--- U	--- U	--- U	--- U	--- U
32. Dibromochloromethane	0.14	3.0	--- U	--- U	--- U	--- U	--- U
33. 1,2-Dibromoethane	0.13	1.0	--- U	--- U	--- U	--- U	--- U
34. Chlorobenzene	0.13	3.0	--- U	--- U	--- U	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	--- U	--- U	--- U	--- U	--- U
36. Ethylbenzene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
37. Xylenes	0.48	5.0	--- U	--- U	--- U	--- U	--- U
38. Dibromomethane	0.17	10.0	--- U	--- U	--- U	--- U	--- U
39. Styrene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
40. Bromoform	0.11	3.0	--- U	--- U	--- U	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.0	--- U	--- U	--- U	--- U	--- U
42. 1,2,3-Trichloropropane	0.06	1.0	--- U	--- U	--- U	--- U	--- U
43. 1,4-Dichlorobenzene	0.21	1.0	--- U	--- U	--- U	--- U	--- U
44. 1,2-Dichlorobenzene	0.13	5.0	--- U	--- U	--- U	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.26	13.0	--- U	--- U	--- U	--- U	--- U
46. Acrylonitrile	1.49	200.0	--- U	--- U	--- U	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	--- U	--- U	--- U	--- U	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
MR. ALLEN HARDISON
P.O. BOX 128
COVE CITY, NC 28523

CLIENT ID: 6035

ANALYST: MAO
DATE COLLECTED: 10/28/08
DATE ANALYZED: 11/09/08
DATE REPORTED: 12/01/08

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	Leach Stor 5S	Leach Stor 5D	Leach Stor 6S	Trip Blank	Equipment Blank
1. Chloromethane	0.18	1.0	--- U	--- U	--- U	--- U	--- U
2. Vinyl Chloride	0.34	1.0	--- U	--- U	--- U	--- U	--- U
3. Bromomethane	0.26	10.0	--- U	--- U	--- U	--- U	--- U
4. Chloroethane	0.29	10.0	--- U	--- U	--- U	--- U	--- U
5. Trichlorofluoromethane	0.13	1.0	--- U	--- U	--- U	--- U	--- U
6. 1,1-Dichloroethene	0.14	5.0	--- U	--- U	--- U	--- U	--- U
7. Acetone	1.21	100.0	--- U	--- U	--- U	--- U	--- U
8. Iodomethane	0.12	10.0	--- U	--- U	--- U	--- U	--- U
9. Carbon Disulfide	0.14	100.0	--- U	--- U	--- U	--- U	--- U
10. Methylene Chloride	0.14	1.0	--- U	--- U	--- U	--- U	--- U
11. trans-1,2-Dichloroethene	0.13	5.0	--- U	--- U	--- U	--- U	--- U
12. 1,1-Dichloroethane	0.16	5.0	--- U	--- U	--- U	--- U	--- U
13. Vinyl Acetate	0.20	50.0	--- U	--- U	--- U	--- U	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	--- U	--- U	--- U	--- U	--- U
15. 2-Butanone	0.85	100.0	--- U	--- U	--- U	--- U	--- U
16. Bromochloromethane	0.11	3.0	--- U	--- U	--- U	--- U	--- U
17. Chloroform	0.13	5.0	--- U	--- U	--- U	--- U	--- U
18. 1,1,1-Trichloroethane	0.11	1.0	--- U	--- U	--- U	--- U	--- U
19. Carbon Tetrachloride	0.13	1.0	--- U	--- U	--- U	--- U	--- U
20. Benzene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
21. 1,2-Dichloroethane	0.12	1.0	--- U	--- U	--- U	--- U	--- U
22. Trichloroethene	0.13	1.0	--- U	--- U	--- U	--- U	--- U
23. 1,2-Dichloropropane	0.17	1.0	--- U	--- U	--- U	--- U	--- U
24. Bromodichloromethane	0.13	1.0	--- U	--- U	--- U	--- U	--- U
25. Cis-1,3-Dichloropropene	0.17	1.0	--- U	--- U	--- U	--- U	--- U
26. 4-Methyl-2-Pentanone	0.68	100.0	--- U	--- U	--- U	--- U	--- U
27. Toluene	0.13	1.0	--- U	--- U	--- U	--- U	--- U
28. trans-1,3-Dichloropropene	0.14	1.0	--- U	--- U	--- U	--- U	--- U
29. 1,1,2-Trichloroethane	0.20	1.0	--- U	--- U	--- U	--- U	--- U
30. Tetrachloroethene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
31. 2-Hexanone	1.00	50.0	--- U	--- U	--- U	--- U	--- U
32. Dibromochloromethane	0.14	3.0	--- U	--- U	--- U	--- U	--- U
33. 1,2-Dibromoethane	0.13	1.0	--- U	--- U	--- U	--- U	--- U
34. Chlorobenzene	0.13	3.0	--- U	--- U	--- U	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	--- U	--- U	--- U	--- U	--- U
36. Ethylbenzene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
37. Xylenes	0.48	5.0	--- U	--- U	--- U	--- U	--- U
38. Dibromomethane	0.17	10.0	--- U	--- U	--- U	--- U	--- U
39. Styrene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
40. Bromoform	0.11	3.0	--- U	--- U	--- U	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.0	--- U	--- U	--- U	--- U	--- U
42. 1,2,3-Trichloropropane	0.06	1.0	--- U	--- U	--- U	--- U	--- U
43. 1,4-Dichlorobenzene	0.21	1.0	--- U	--- U	--- U	--- U	--- U
44. 1,2-Dichlorobenzene	0.13	5.0	--- U	--- U	--- U	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.26	13.0	--- U	--- U	--- U	--- U	--- U
46. Acrylonitrile	1.49	200.0	--- U	--- U	--- U	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	--- U	--- U	--- U	--- U	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
Mr. ALLEN HARDISON
P.O. BOX 128
COVE CITY, NC 28523

CLIENT ID: 6035

ANALYST: MO
DATE COLLECTED: 10/28/08
DATE ANALYZED: 11/09/08
DATE REPORTED: 11/28/08

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B
METHOD BLANK RESULTS

PARAMETERS, ug/l	MDL	SWSL	Concentration
1. Chloromethane	0.18	1.00	--- U
2. Vinyl Chloride	0.34	1.00	--- U
3. Bromomethane	0.26	10.00	--- U
4. Chloroethane	0.29	10.00	--- U
5. Trichlorofluoromethane	0.13	1.00	--- U
6. 1,1-Dichloroethene	0.14	5.00	--- U
7. Acetone	1.21	100.00	--- U
8. Iodomethane	0.12	10.00	--- U
9. Carbon Disulfide	0.14	100.00	--- U
10. Methylene Chloride	0.14	1.00	--- U
11. trans-1,2-Dichloroethene	0.13	5.00	--- U
12. 1,1-Dichloroethane	0.16	5.00	--- U
13. Vinyl Acetate	0.20	50.00	--- U
14. cis-1,2-Dichloroethene	0.14	5.00	--- U
15. 2-Butanone	0.85	100.00	--- U
16. Bromochloromethane	0.11	3.00	--- U
17. Chloroform	0.13	5.00	--- U
18. 1,1,1-Trichloroethane	0.11	1.00	--- U
19. Carbon Tetrachloride	0.13	1.00	--- U
20. Benzene	0.16	1.00	--- U
21. 1,2-Dichloroethane	0.12	1.00	--- U
22. Trichloroethene	0.13	1.00	--- U
23. 1,2-Dichloropropane	0.17	1.00	--- U
24. Bromodichloromethane	0.13	1.00	--- U
25. cis-1,3-Dichloropropene	0.17	1.00	--- U
26. 4-methyl-2-Pentanone	0.68	100.00	--- U
27. Toluene	0.13	1.00	--- U
28. trans-1,3-Dichloropropene	0.14	1.00	--- U
29. 1,1,2-Trichloroethane	0.20	1.00	--- U
30. Tetrachloroethene	0.16	1.00	--- U
31. 2-Hexanone	1.00	50.00	--- U
32. Dibromochloromethane	0.14	3.00	--- U
33. 1,2-Dibromoethane	0.13	1.00	--- U
34. Chlorobenzene	0.13	3.00	--- U
35. 1,1,1,2-Tetrachloroethane	0.14	5.00	--- U
36. Ethylbenzene	0.16	1.00	--- U
37. Xylenes	0.48	5.00	--- U
38. Dibromomethane	0.17	10.00	--- U
39. Styrene	0.16	1.00	--- U
40. Bromoform	0.11	3.00	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.00	--- U
42. 1,2,3-Trichloropropane	0.06	1.00	--- U
43. 1,4-Dichlorobenzene	0.21	1.00	--- U
44. 1,2-Dichlorobenzene	0.13	5.00	--- U
45. 1,2-Dibromo-3-Chloropropane	0.26	13.00	--- U
46. Acrylonitrile	1.49	200.00	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.00	--- U

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
Mr. ALLEN HARDISON
P.O. BOX 128
COVE CITY, NC 28523

CLIENT ID: 6035

ANALYST: MO
DATE COLLECTED: 10/28/08
DATE ANALYZED: 11/09/08
DATE REPORTED: 11/28/08

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B
SURROGATE RECOVERY RESULTS

Sample Name	Limits (% recovery)	1,2-DCA-d4 (% recovery)	Toluene-d8 (% recovery)	4-BFB (% recovery)
Continuing Calibration std.	70-130	94.1	97.5	98.7
Laboratory Control std.	70-130	102	101	103
Method Blank	70-130	103	101	97.8
Leachate Storage 1S	70-130	105	102	99.8
Leachate Storage 1D	70-130	104	101	100
Leachate Storage 2S	70-130	102	98.4	97.5
Leachate Storage 3S	70-130	104	100	98.9
Leachate Storage 4S	70-130	105	99.9	101
Leachate Storage 5S	70-130	102	99.8	97.0
Leachate Storage 5D	70-130	106	101	102
Leachate Storage 6S	70-130	104	98.8	96.8
Trip Blank	70-130	104	101	97.4
Equipment Blank	70-130	103	99.6	98.7
Leachate Storage 1S M.S.	70-130	98.7	97.2	98.9
Leachate Storage 1S M.S.D.	70-130	99.2	97.7	99.6

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
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CLIENT: CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
Mr. ALLEN HARDISON
P.O. BOX 128
COVE CITY, NC 28523

CLIENT ID: 6035

ANALYST: MO
DATE COLLECTED: 10/28/08
DATE ANALYZED: 11/09/08
DATE REPORTED: 11/28/08

REVIEWED BY: _____

VOLATILE ORGANICS
EPA METHOD 8260B
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS

Sample Spiked: Leachate Storage 1S (6035)	Spike Amount Ug/l	Sample Result Ug/l	Spike Result Ug/l	Spike Recovery (70-130%)	Spike Dup. Result Ug/l	Spike Dup. Recovery (70-130%)	MS/MSD RPD (50%)
1,1-Dichloroethene	20.0	--- U	19.69	98.5	19.64	98.2	0.3
Benzene	20.0	--- U	20.24	101	20.37	102	0.6
Trichloroethene	20.0	--- U	18.94	94.7	19.05	95.3	0.6
Toluene	20.0	--- U	20.31	102	20.01	100	1.5
Chlorobenzene	20.0	--- U	18.97	94.9	18.93	94.7	0.2

LABORATORY CONTROL SAMPLE RESULTS

Sample Compound:	Spike Amount Ug/l	Spike Result Ug/l	Spike Recovery (70-130%)
1,1-Dichloroethene	20.0	19.57	97.9
Benzene	20.0	20.08	100
Trichloroethene	20.0	19.02	95.1
Toluene	20.0	20.48	102
Chlorobenzene	20.0	19.34	96.7

Environment 1, Inc.
P.O. Box 7085, 114 Oakmont Dr.
Greenville, NC 27858

Phone (252) 756-6208 • Fax (252) 756-0633

CHAIN OF CUSTODY RECORD

CLIENT: 6035 **Week: 40**

CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
MR. ALLEN HARDISON
P.O. BOX 128
COVE CITY NC 28523

(252) 633-1564

DISINFECTION: ☐ CHLORINE ☐ UV ☐ NONE ☐ _____

SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Field pH	Metals	Turbidity	Conductivity	Temperature	Field Parameter	EPA 8260B	8260 Dup. 1	8260 Dup. 2	8260 Dup. 3
CHLORINE NEUTRALIZED AT COLLECTION															
pH CHECK (LAB)							12					12	12	12	12
CONTAINER TYPE, P/G						P	P	P	P	P		G	G	G	G
CHEMICAL PRESERVATION						A	A	A	A	A		E	E	E	E
Leach Stor 1S	10 28 08	1045		20	7	G	G	G	G	G	G	G	G	G	G
Leach Stor 1D	10 28 08	1050		19	5	G	G	G	G	G	G	G	G		
Leach Stor 2S	10 28 08	1040		19	5	G	G	G	G	G	G	G	G		
Leach Stor 2D	10 28 08				2						G				
Leach Stor 3S	10 28 08	1030		19	5	G	G	G	G	G	G	G	G		
Leach Stor 3D	10 28 08				2						G				
Leach Stor 4S	10 28 08	1035		20	5	G	G	G	G	G	G	G	G		
Leach Stor 4D	10 28 08				1						G				
Leach Stor 5S	10 28 08	1020		21	5	G	G	G	G	G	G	G	G		
Leach Stor 5D	10 28 08	1025		20	5	G	G	G	G	G	G	G	G		
Leach Stor 6S	10 28 08	1055		19	6	G	G	G	G	G	G	G	G	G	

PARAMETERS

A - NONE D - NAOH
B - HNO_3 E - HCL
C - H_2SO_4 F - ZINC ACETATE
G - NA THIOSULFATE

CLASSIFICATION:
☐ WASTEWATER (NPDES)
☐ DRINKING WATER
☐ DWQ/GW
☒ SOLID WASTE SECTION

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY: (Y) N

SAMPLES COLLECTED BY: (Please Print)

SAMPLES RECEIVED IN LAB AT 0.2 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
	10/28 08 2:00		10/28 2:00
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:

Instructions for completing this form are on the reverse side.

Sampler must place a "C" for composite sample or a "G" for Grab sample in the blocks above for each parameter requested.

FORM #5

№ 168538

Environment 1, Inc.
P.O. Box 7085, 114 Oakmont Dr.
Greenville, NC 27858

Phone (252) 756-6208 • Fax (252) 756-0633

CHAIN OF CUSTODY RECORD

CLIENT: 6035 **Week: 40**

CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
MR. ALLEN HARDISON
P.O. BOX 128
COVE CITY NC 28523

(252) 633-1564

DISINFECTION: ☐ CHLORINE ☐ UV ☐ NONE ☐ _____

SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Field pH	Metals	Turbidity	Conductivity	Temperature	Field Parameter	EPA 8260B	8260 Dup. 1	8260 Dup. 2	8260 Dup. 3
CHLORINE NEUTRALIZED AT COLLECTION															
pH CHECK (LAB)												12	12		
CONTAINER TYPE, P/G						P	P	P	P	P		G	G	G	G
CHEMICAL PRESERVATION						A	A	A	A	A		E	E	E	E
Leach Stor 6D	10/28/08				2						G				
Trip Blank					2										
Equipment Blank	10/28/08				3		G					G	G		

PARAMETERS

A - NONE D - NAOH
B - HNO_3 E - HCL
C - H_2SO_4 F - ZINC ACETATE
G - NA THIOSULFATE

CLASSIFICATION:
☐ WASTEWATER (NPDES)
☐ DRINKING WATER
☐ DWQ/GW
☒ SOLID WASTE SECTION

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY: (Y) N

SAMPLES COLLECTED BY: (Please Print) [illegible]

SAMPLES RECEIVED IN LAB AT 0.2 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
[illegible]	10/28/08 2pm	[illegible]	10/28 2pm
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:

Instructions for completing this form are on the reverse side.

Sampler must place a "C" for composite sample or a "G" for Grab sample in the blocks above for each parameter requested.

FORM #5

№ 168537

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

ID#: 6035 A

CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
MR. ALLEN HARDISON
P.O. BOX 128
COVE CITY ,NC 28523

DATE COLLECTED: 10/28/08
DATE REPORTED : 12/01/08

REVIEWED BY:

PARAMETERS	MDL	Regional SWSL	Regional LF 1S	Regional LF 1D	Regional Land. 2-D-A	Regional LF 3S	Regional LF 3D	Analysis Date	Analyst	Method Code
PH (field measurement), Units			4.7	6.3		6.0	6.5	10/28/08	RJH	SM4500HB
Antimony, ug/l	0.08	6.0	0.1 J	0.1 J		0.5 J	0.1 J	11/04/08	LFJ	EPA200.8
Arsenic, ug/l	0.07	10.0	1 J	1.6 J		1.7 J	1 J	11/04/08	LFJ	EPA200.8
Barium, ug/l	0.11	100.0	94.9 J	39.6 J		91.7 J	95.9 J	11/04/08	LFJ	EPA200.8
Beryllium, ug/l	0.06	1.0	0.5 J	0.1 J		0.1 J	0.2 J	11/04/08	LFJ	EPA200.8
Cadmium, ug/l	0.04	1.0	0.3 J	0.8 J		0.1 J	0.1 J	11/04/08	LFJ	EPA200.8
Cobalt, ug/l	0.03	10.0	1.1 J	0.5 J		0.4 J	0.4 J	11/04/08	LFJ	EPA200.8
Copper, ug/l	0.05	10.0	1.4 J	1.5 J		0.7 J	0.5 J	11/04/08	LFJ	EPA200.8
Total Chromium, ug/l	0.11	10.0	3 J	1.6 J		1.5 J	1.1 J	11/04/08	LFJ	EPA200.8
Lead, ug/l	0.04	10.0	3.5 J	1.5 J		0.9 J	0.4 J	11/04/08	LFJ	EPA200.8
Nickel, ug/l	0.06	50.0	2 J	1.6 J		5 J	4.8 J	11/04/08	LFJ	EPA200.8
Selenium, ug/l	0.14	10.0	0.2 J	--- U		2.8 J	2.4 J	11/04/08	LFJ	EPA200.8
Silver, ug/l	0.04	10.0	0.1 J	0.1 J		0.1 J	--- U	11/04/08	LFJ	EPA200.8
Thallium, ug/l	0.04	5.0	0.2 J	--- U		0.1 J	--- U	11/04/08	LFJ	EPA200.8
Vanadium, ug/l	0.07	25.0	4.2 J	2.1 J		3.3 J	1.9 J	11/04/08	LFJ	EPA200.8
Zinc, ug/l	0.04	10.0	6.8 J	6.6 J		7.8 J	3.8 J	11/04/08	LFJ	EPA200.8
Turbidity, NTU	1.0	1.0	80	50		36	37	10/28/08	MJN	SM2130B
Conductivity (at 25c), uMhos	1.0	1.0	109	217		935	931	10/28/08	RJH	SM2510B
Temperature, °C			19	19		20	20	10/28/08	RJH	SM2550B
Static Water Level, feet			8.34	15.07	15.55	8.78	14.23	10/28/08	RJH	
Well Depth, feet			17.72	43.96	31..17	16.34	38.50	10/28/08	RJH	

RECEIVED DEC - 4 2008

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

ID#: 6035 A

CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
MR. ALLEN HARDISON
P.O. BOX 128
COVE CITY ,NC 28523

DATE COLLECTED: 10/28/08
DATE REPORTED : 12/01/08

REVIEWED BY:

PARAMETERS	MDL	Regional SWSL	Regional LF 4S	Regional LF 4D	Regional LF 5S	Regional LF 5D	MW-A	Analysis Date	Analyst	Method Code
PH (field measurement), Units			5.3	6.9	6.3		5.2	10/28/08	RJH	SM4500HB
Antimony, ug/l	0.08	6.0	--- U	0.1 J	0.1 J			11/04/08	LFJ	EPA200.8
Antimony, ug/l	0.08	6.0					--- U	10/31/08	LFJ	EPA200.8
Arsenic, ug/l	0.07	10.0	2 J	0.5 J	4.3 J			11/04/08	LFJ	EPA200.8
Arsenic, ug/l	0.07	10.0					5 J	10/31/08	LFJ	EPA200.8
Barium, ug/l	0.11	100.0	149	39 J	116			11/04/08	LFJ	EPA200.8
Barium, ug/l	0.11	100.0					44.2 J	10/31/08	LFJ	EPA200.8
Beryllium, ug/l	0.06	1.0	0.2 J	0.1 J	--- U			11/04/08	LFJ	EPA200.8
Beryllium, ug/l	0.06	1.0					0.2 J	10/31/08	LFJ	EPA200.8
Cadmium, ug/l	0.04	1.0	0.2 J	0.2 J	0.3 J			11/04/08	LFJ	EPA200.8
Cadmium, ug/l	0.04	1.0					0.2 J	10/31/08	LFJ	EPA200.8
Cobalt, ug/l	0.03	10.0	1.2 J	0.4 J	1.1 J			11/04/08	LFJ	EPA200.8
Cobalt, ug/l	0.03	10.0					0.5 J	10/31/08	LFJ	EPA200.8
Copper, ug/l	0.05	10.0	1.0 J	0.5 J	1.0 J			11/04/08	LFJ	EPA200.8
Copper, ug/l	0.05	10.0					1.2 J	10/31/08	LFJ	EPA200.8
Total Chromium, ug/l	0.11	10.0	0.4 J	1.1 J	0.4 J			11/04/08	LFJ	EPA200.8
Total Chromium, ug/l	0.11	10.0					1.8 J	10/31/08	LFJ	EPA200.8
Lead, ug/l	0.04	10.0	0.7 J	0.4 J	0.5 J			11/04/08	LFJ	EPA200.8
Lead, ug/l	0.04	10.0					1.4 J	10/31/08	LFJ	EPA200.8
Nickel, ug/l	0.06	50.0	1.9 J	2.9 J	8.4 J			11/04/08	LFJ	EPA200.8
Nickel, ug/l	0.06	50.0					1.1 J	10/31/08	LFJ	EPA200.8
Selenium, ug/l	0.14	10.0	5 J	--- U	4.5 J			11/04/08	LFJ	EPA200.8
Selenium, ug/l	0.14	10.0					1.2 J	10/31/08	LFJ	EPA200.8
Silver, ug/l	0.04	10.0	--- U	--- U	0.1 J			11/04/08	LFJ	EPA200.8
Silver, ug/l	0.04	10.0					--- U	10/31/08	LFJ	EPA200.8
Thallium, ug/l	0.04	5.0	0.1 J	--- U	--- U			11/04/08	LFJ	EPA200.8
Thallium, ug/l	0.04	5.0					--- U	10/31/08	LFJ	EPA200.8
Vanadium, ug/l	0.07	25.0	1.0 J	1.7 J	2 J			11/04/08	LFJ	EPA200.8
Vanadium, ug/l	0.07	25.0					2.7 J	10/31/08	LFJ	EPA200.8
Zinc, ug/l	0.04	10.0	8.7 J	3.0 J	415			11/04/08	LFJ	EPA200.8
Zinc, ug/l	0.04	10.0					6.8 J	10/31/08	LFJ	EPA200.8
Turbidity, NTU	1.0	1.0	36	40	38		86	10/28/08	MJN	SM2130B
Conductivity (at 25c), uMhos	1.0	1.0	266	533	1468		103	10/28/08	RJH	SM2510B
Temperature, °C			21	21	19		19	10/28/08	RJH	SM2550B
Static Water Level, feet			8.65	13.59	9.51	13.73	6.16	10/28/08	RJH	
Well Depth, feet			14.98	34.19	14.61	35.51	20.46	10/28/08	RJH	
Zinc, Total Dissolved, ug/l					73			11/04/08	LFJ	EPA200.8

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

ID#: 6035 A

CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
MR. ALLEN HARDISON
P.O. BOX 128
COVE CITY ,NC 28523

DATE COLLECTED: 10/28/08
DATE REPORTED : 12/01/08

REVIEWED BY:

PARAMETERS	MDL	Piezometer SWSL #1	Trip Blank	Analysis Date	Analyst	Method Code
Static Water Level, feet		10.99		10/28/08	RJH	

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

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C/O COASTAL PARTNERSHIP
MR. ALLEN HARDISON
P.O. BOX 128
COVE CITY, NC 28523

CLIENT ID: 6035 A

ANALYST: MAO
DATE COLLECTED: 10/28/08
DATE ANALYZED: 11/09/08
DATE REPORTED: 12/01/08

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	Regional LF 1S	Regional LF 1D	Regional LF 3S	Regional LF 3D	Regional LF 4S
1. Chloromethane	0.18	1.0	--- U	--- U	--- U	--- U	--- U
2. Vinyl Chloride	0.34	1.0	--- U	--- U	--- U	--- U	--- U
3. Bromomethane	0.26	10.0	--- U	--- U	--- U	--- U	--- U
4. Chloroethane	0.29	10.0	--- U	--- U	--- U	--- U	--- U
5. Trichlorofluoromethane	0.13	1.0	--- U	--- U	--- U	--- U	--- U
6. 1,1-Dichloroethene	0.14	5.0	--- U	--- U	--- U	--- U	--- U
7. Acetone	1.21	100.0	--- U	--- U	--- U	--- U	--- U
8. Iodomethane	0.12	10.0	--- U	--- U	--- U	--- U	--- U
9. Carbon Disulfide	0.14	100.0	--- U	--- U	--- U	--- U	--- U
10. Methylene Chloride	0.14	1.0	--- U	--- U	--- U	--- U	--- U
11. trans-1,2-Dichloroethene	0.13	5.0	--- U	--- U	--- U	--- U	--- U
12. 1,1-Dichloroethane	0.16	5.0	--- U	--- U	--- U	--- U	--- U
13. Vinyl Acetate	0.20	50.0	--- U	--- U	--- U	--- U	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	--- U	--- U	--- U	--- U	--- U
15. 2-Butanone	0.85	100.0	--- U	--- U	--- U	--- U	--- U
16. Bromochloromethane	0.11	3.0	--- U	--- U	--- U	--- U	--- U
17. Chloroform	0.13	5.0	--- U	--- U	--- U	--- U	--- U
18. 1,1,1-Trichloroethane	0.11	1.0	--- U	--- U	--- U	--- U	--- U
19. Carbon Tetrachloride	0.13	1.0	--- U	--- U	--- U	--- U	--- U
20. Benzene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
21. 1,2-Dichloroethane	0.12	1.0	--- U	--- U	--- U	--- U	--- U
22. Trichloroethene	0.13	1.0	--- U	--- U	--- U	--- U	--- U
23. 1,2-Dichloropropane	0.17	1.0	--- U	--- U	--- U	--- U	--- U
24. Bromodichloromethane	0.13	1.0	--- U	--- U	--- U	--- U	--- U
25. Cis-1,3-Dichloropropene	0.17	1.0	--- U	--- U	--- U	--- U	--- U
26. 4-Methyl-2-Pentanone	0.68	100.0	--- U	--- U	--- U	--- U	--- U
27. Toluene	0.13	1.0	--- U	--- U	--- U	--- U	--- U
28. trans-1,3-Dichloropropene	0.14	1.0	--- U	--- U	--- U	--- U	--- U
29. 1,1,2-Trichloroethane	0.20	1.0	--- U	--- U	--- U	--- U	--- U
30. Tetrachloroethene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
31. 2-Hexanone	1.00	50.0	--- U	--- U	--- U	--- U	--- U
32. Dibromochloromethane	0.14	3.0	--- U	--- U	--- U	--- U	--- U
33. 1,2-Dibromoethane	0.13	1.0	--- U	--- U	--- U	--- U	--- U
34. Chlorobenzene	0.13	3.0	--- U	--- U	--- U	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	--- U	--- U	--- U	--- U	--- U
36. Ethylbenzene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
37. Xylenes	0.48	5.0	--- U	--- U	--- U	--- U	--- U
38. Dibromomethane	0.17	10.0	--- U	--- U	--- U	--- U	--- U
39. Styrene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
40. Bromoform	0.11	3.0	--- U	--- U	--- U	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.0	--- U	--- U	--- U	--- U	--- U
42. 1,2,3-Trichloropropane	0.06	1.0	--- U	--- U	--- U	--- U	--- U
43. 1,4-Dichlorobenzene	0.21	1.0	--- U	--- U	--- U	--- U	--- U
44. 1,2-Dichlorobenzene	0.13	5.0	--- U	--- U	--- U	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.26	13.0	--- U	--- U	--- U	--- U	--- U
46. Acrylonitrile	1.49	200.0	--- U	--- U	--- U	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	--- U	--- U	--- U	--- U	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

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FAX (252) 756-0633

CLIENT: CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
MR. ALLEN HARDISON
P.O. BOX 128
COVE CITY, NC 28523

CLIENT ID: 6035 A

ANALYST: MAO
DATE COLLECTED: 10/28/08
DATE ANALYZED: 11/09/08
DATE REPORTED: 12/01/08

REVIEWED BY: _____

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	Regional LF 4D	Regional LF 5S	MW-A	Trip Blank
1. Chloromethane	0.18	1.0	--- U	--- U	--- U	--- U
2. Vinyl Chloride	0.34	1.0	--- U	--- U	--- U	--- U
3. Bromomethane	0.26	10.0	--- U	--- U	--- U	--- U
4. Chloroethane	0.29	10.0	--- U	--- U	--- U	--- U
5. Trichlorofluoromethane	0.13	1.0	--- U	--- U	--- U	--- U
6. 1,1-Dichloroethene	0.14	5.0	--- U	--- U	--- U	--- U
7. Acetone	1.21	100.0	--- U	1.90 J	--- U	--- U
8. Iodomethane	0.12	10.0	--- U	--- U	--- U	--- U
9. Carbon Disulfide	0.14	100.0	--- U	--- U	--- U	--- U
10. Methylene Chloride	0.14	1.0	--- U	--- U	--- U	--- U
11. trans-1,2-Dichloroethene	0.13	5.0	--- U	--- U	--- U	--- U
12. 1,1-Dichloroethane	0.16	5.0	--- U	--- U	--- U	--- U
13. Vinyl Acetate	0.20	50.0	--- U	--- U	--- U	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	--- U	--- U	--- U	--- U
15. 2-Butanone	0.85	100.0	--- U	--- U	--- U	--- U
16. Bromochloromethane	0.11	3.0	--- U	--- U	--- U	--- U
17. Chloroform	0.13	5.0	--- U	--- U	--- U	--- U
18. 1,1,1-Trichloroethane	0.11	1.0	--- U	--- U	--- U	--- U
19. Carbon Tetrachloride	0.13	1.0	--- U	--- U	--- U	--- U
20. Benzene	0.16	1.0	--- U	--- U	--- U	--- U
21. 1,2-Dichloroethane	0.12	1.0	--- U	--- U	--- U	--- U
22. Trichloroethene	0.13	1.0	--- U	--- U	--- U	--- U
23. 1,2-Dichloropropane	0.17	1.0	--- U	--- U	--- U	--- U
24. Bromodichloromethane	0.13	1.0	--- U	--- U	--- U	--- U
25. Cis-1,3-Dichloropropene	0.17	1.0	--- U	--- U	--- U	--- U
26. 4-Methyl-2-Pentanone	0.68	100.0	--- U	--- U	--- U	--- U
27. Toluene	0.13	1.0	--- U	--- U	--- U	--- U
28. trans-1,3-Dichloropropene	0.14	1.0	--- U	--- U	--- U	--- U
29. 1,1,2-Trichloroethane	0.20	1.0	--- U	--- U	--- U	--- U
30. Tetrachloroethene	0.16	1.0	--- U	--- U	--- U	--- U
31. 2-Hexanone	1.00	50.0	--- U	--- U	--- U	--- U
32. Dibromochloromethane	0.14	3.0	--- U	--- U	--- U	--- U
33. 1,2-Dibromoethane	0.13	1.0	--- U	--- U	--- U	--- U
34. Chlorobenzene	0.13	3.0	--- U	--- U	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	--- U	--- U	--- U	--- U
36. Ethylbenzene	0.16	1.0	--- U	--- U	--- U	--- U
37. Xylenes	0.48	5.0	--- U	--- U	--- U	--- U
38. Dibromomethane	0.17	10.0	--- U	--- U	--- U	--- U
39. Styrene	0.16	1.0	--- U	--- U	--- U	--- U
40. Bromoform	0.11	3.0	--- U	--- U	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.0	--- U	--- U	--- U	--- U
42. 1,2,3-Trichloropropane	0.06	1.0	--- U	--- U	--- U	--- U
43. 1,4-Dichlorobenzene	0.21	1.0	--- U	--- U	--- U	--- U
44. 1,2-Dichlorobenzene	0.13	5.0	--- U	--- U	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.26	13.0	--- U	--- U	--- U	--- U
46. Acrylonitrile	1.49	200.0	--- U	--- U	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	--- U	--- U	--- U	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

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CLIENT: CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
Mr. ALLEN HARDISON
P.O. BOX 128
COVE CITY, NC 28523

CLIENT ID: 6035 A

ANALYST: MO
DATE COLLECTED: 10/28/08
DATE ANALYZED: 11/09/08
DATE REPORTED: 11/28/08

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B
METHOD BLANK RESULTS

PARAMETERS, ug/l	MDL	SWSL	Concentration
1. Chloromethane	0.18	1.00	--- U
2. Vinyl Chloride	0.34	1.00	--- U
3. Bromomethane	0.26	10.00	--- U
4. Chloroethane	0.29	10.00	--- U
5. Trichlorofluoromethane	0.13	1.00	--- U
6. 1,1-Dichloroethene	0.14	5.00	--- U
7. Acetone	1.21	100.00	--- U
8. Iodomethane	0.12	10.00	--- U
9. Carbon Disulfide	0.14	100.00	--- U
10. Methylene Chloride	0.14	1.00	--- U
11. trans-1,2-Dichloroethene	0.13	5.00	--- U
12. 1,1-Dichloroethane	0.16	5.00	--- U
13. Vinyl Acetate	0.20	50.00	--- U
14. cis-1,2-Dichloroethene	0.14	5.00	--- U
15. 2-Butanone	0.85	100.00	--- U
16. Bromochloromethane	0.11	3.00	--- U
17. Chloroform	0.13	5.00	--- U
18. 1,1,1-Trichloroethane	0.11	1.00	--- U
19. Carbon Tetrachloride	0.13	1.00	--- U
20. Benzene	0.16	1.00	--- U
21. 1,2-Dichloroethane	0.12	1.00	--- U
22. Trichloroethene	0.13	1.00	--- U
23. 1,2-Dichloropropane	0.17	1.00	--- U
24. Bromodichloromethane	0.13	1.00	--- U
25. cis-1,3-Dichloropropene	0.17	1.00	--- U
26. 4-methyl-2-Pentanone	0.68	100.00	--- U
27. Toluene	0.13	1.00	--- U
28. trans-1,3-Dichloropropene	0.14	1.00	--- U
29. 1,1,2-Trichloroethane	0.20	1.00	--- U
30. Tetrachloroethene	0.16	1.00	--- U
31. 2-Hexanone	1.00	50.00	--- U
32. Dibromochloromethane	0.14	3.00	--- U
33. 1,2-Dibromoethane	0.13	1.00	--- U
34. Chlorobenzene	0.13	3.00	--- U
35. 1,1,1,2-Tetrachloroethane	0.14	5.00	--- U
36. Ethylbenzene	0.16	1.00	--- U
37. Xylenes	0.48	5.00	--- U
38. Dibromomethane	0.17	10.00	--- U
39. Styrene	0.16	1.00	--- U
40. Bromoform	0.11	3.00	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.00	--- U
42. 1,2,3-Trichloropropane	0.06	1.00	--- U
43. 1,4-Dichlorobenzene	0.21	1.00	--- U
44. 1,2-Dichlorobenzene	0.13	5.00	--- U
45. 1,2-Dibromo-3-Chloropropane	0.26	13.00	--- U
46. Acrylonitrile	1.49	200.00	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.00	--- U

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Mr. ALLEN HARDISON
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VOLATILE ORGANICS
EPA METHOD 8260B
SURROGATE RECOVERY RESULTS

Sample Name	Limits (% recovery)	1,2-DCA-d4 (% recovery)	Toluene-d8 (% recovery)	4-BFB (% recovery)
Continuing Calibration std.	70-130	94.1	97.5	98.7
Laboratory Control std.	70-130	102	101	103
Method Blank	70-130	103	101	97.8
Regional Landfill 1S	70-130	105	102	102
Regional Landfill 1D	70-130	105	101	99.6
Regional Landfill 3S	70-130	105	99.9	99.3
Regional Landfill 3D	70-130	103	99.8	97.0
Regional Landfill 4S	70-130	104	101	95.0
Regional Landfill 4D	70-130	101	97.3	95.2
Regional Landfill 5S	70-130	103	99.8	98.4
Monitoring Well A	70-130	104	99.7	99.4
Trip Blank	70-130	103	101	96.8
Regional Landfill 1S M.S.	70-130	98.7	97.2	98.9
Regional Landfill 1S M.S.D.	70-130	99.2	97.7	99.6

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VOLATILE ORGANICS
EPA METHOD 8260B
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS

Sample Spiked: Leachate Storage 1S (6035)	Spike Amount Ug/l	Sample Result Ug/l	Spike Result Ug/l	Spike Recovery (70-130%)	Spike Dup. Result Ug/l	Spike Dup. Recovery (70-130%)	MS/MSD RPD (50%)
1,1-Dichloroethene	20.0	--- U	19.69	98.5	19.64	98.2	0.3
Benzene	20.0	--- U	20.24	101	20.37	102	0.6
Trichloroethene	20.0	--- U	18.94	94.7	19.05	95.3	0.6
Toluene	20.0	--- U	20.31	102	20.01	100	1.5
Chlorobenzene	20.0	--- U	18.97	94.9	18.93	94.7	0.2

LABORATORY CONTROL SAMPLE RESULTS

Sample Compound:	Spike Amount Ug/l	Spike Result Ug/l	Spike Recovery (70-130%)
1,1-Dichloroethene	20.0	19.57	97.9
Benzene	20.0	20.08	100
Trichloroethene	20.0	19.02	95.1
Toluene	20.0	20.48	102
Chlorobenzene	20.0	19.34	96.7

Environment 1, Inc.
P.O. Box 7085, 114 Oakmont Dr.
Greenville, NC 27858

Phone (252) 756-6208 • Fax (252) 756-0633

CHAIN OF CUSTODY RECORD

CLIENT: 6035 A **Week: 40**

CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
MR. ALLEN HARDISON
P.O. BOX 128
COVE CITY NC 28523

(252) 633-1564

DISINFECTION
- ☐ CHLORINE
- ☐ UV
- ☐ NONE
- ☐ _____

SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Field pH	Metals	Turbidity	Conductivity	Temperature	Field Parameter	Metals (Dis.)	EPA 8260B	8260 Dup. 1	8260 Dup. 2	8260 Dup. 3
							12						12	12	12	12
						P	P	P	P	P		P	G	G	G	G
						A	A	A	A	A		A	E	E	E	E
Regional LF 1S	10 28 08	1105		19	7	G	G	G	G	G	G		G	G	G	G
Regional LF 1D	10 28 08	1110		19	5	G	G	G	G	G	G		G	G		
Regional Land. 2-D-A	10 28 08				1						G					
Regional LF 3S	10 28 08	1125		20	5	G	G	G	G	G	G		G	G		
Regional LF 3D	10 28 08	1120		20	5	G	G	G	G	G	G		G	G		
Regional LF 4S	10 28 08	1135		21	5	G	G	G	G	G	G		G	G		
Regional LF 4D	10 28 08	1140		21	5	G	G	G	G	G	G		G	G		
Regional LF 5S	10 28 08	1150		21	7	G	G	G	G	G	G	G	G	G	G	
Regional LF 5D	10 28 08				2						G					
MW-A	10 28 08	1115		19	5	G	G	G	G	G	G		G	G		
Piezometer #1	10 28 08				1						G					

PARAMETERS

CHLORINE NEUTRALIZED AT COLLECTION
pH CHECK (LAB)
CONTAINER TYPE, P/G
CHEMICAL PRESERVATION

A - NONE
B - HNO_3
C - H_2SO_4
D - NAOH
E - HCL
F - ZINC ACETATE
G - NA THIOSULFATE

CLASSIFICATION:
- ☐ WASTEWATER (NPDES)
- ☐ DRINKING WATER
- ☐ DWQ/GW
- ☒ SOLID WASTE SECTION

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY
Y N

SAMPLES COLLECTED BY: (Please Print) H Lape / Fox

SAMPLES RECEIVED IN LAB AT 0.2 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob H Lape	10 28 08 2pm	[signature]	10/28 2pm
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:

Instructions for completing this form are on the reverse side.

Sampler must place a "C" for composite sample or a "G" for Grab sample in the blocks above for each parameter requested.

№ 168536

FORM #5

Environment 1, Inc.
P.O. Box 7085, 114 Oakmont Dr.
Greenville, NC 27858

Phone (252) 756-6208 • Fax (252) 756-0633

CHAIN OF CUSTODY RECORD

CLIENT: 6035 A **Week: 40**

CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
MR. ALLEN HARDISON
P.O. BOX 128
COVE CITY NC 28523

(252) 633-1564

DISINFECTION
- ☐ CHLORINE
- ☐ UV
- ☐ NONE
- ☐ _____

SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Field pH	Metals	Turbidity	Conductivity	Temperature	Field Parameter	Metals (Dis.)	EPA 8260B	8260 Dup. 1	8260 Dup. 2	8260 Dup. 3						PARAMETERS
																						CHLORINE NEUTRALIZED AT COLLECTION
													CZ	2								pH CHECK (LAB)
						P	P	P	P	P		P	G	G	G	G						CONTAINER TYPE, P/G
						A	A	A	A	A		A	E	E	E	E						CHEMICAL PRESERVATION
Trip Blank					2																	

A - NONE D - NAOH
B - HNO_3 E - HCL
C - H_2SO_4 F - ZINC ACETATE
G - NA THIOSULFATE

CLASSIFICATION:
- ☐ WASTEWATER (NPDES)
- ☐ DRINKING WATER
- ☐ DWQ/GW
- ☒ SOLID WASTE SECTION

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY
Y N

SAMPLES COLLECTED BY:
(Please Print)
H Hogue / Fox

SAMPLES RECEIVED IN LAB AT 0.2 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob H Hogue	10 28 08 2pm	B [signature]	10 28 2pm
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:

Instructions for completing this form are on the reverse side.

Sampler must place a "C" for composite sample or a "G" for Grab sample in the blocks above for each parameter requested.

FORM #5

№ 168535

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

ID#: 6035 B

CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
MR. ALLEN HARDISON
P.O. BOX 128
COVE CITY ,NC 28523

DATE COLLECTED: 10/28/08
DATE REPORTED : 12/03/08

REVIEWED BY:

PARAMETERS	MDL	SWSL	SW-1	SW-2	Under Drain	Analysis Date	Analyst	Method Code
PH (field measurement), Units			7.3	7.4	7.2	10/28/08	RJH	SM4500HB
Antimony, ug/l	0.44	6.0	0.2 J	0.3 J	--- U	11/04/08	LFJ	EPA200.8
Arsenic, ug/l	0.57	10.0	0.8 J		0.9 J	11/04/08	LFJ	EPA200.8
Arsenic, ug/l	0.57	10.0		9.7 J		11/25/08	CMF	SM3113B
Barium, ug/l	0.11	100.0	30.8 J	122	36.9 J	11/04/08	LFJ	EPA200.8
Beryllium, ug/l	0.06	1.0	--- U	0.1 J	--- U	11/04/08	LFJ	EPA200.8
Cadmium, ug/l	0.05	1.0	0.1 J	0.3 J	--- U	11/04/08	LFJ	EPA200.8
Cobalt, ug/l	0.03	10.0	0.3 J	4.6 J	0.3 J	11/04/08	LFJ	EPA200.8
Copper, ug/l	0.05	10.0	0.8 J	3 J	0.7 J	11/04/08	LFJ	EPA200.8
Total Chromium, ug/l	0.11	10.0	0.3 J	13	0.2 J	11/04/08	LFJ	EPA200.8
Lead, ug/l	0.32	10.0	0.4 J	3.8 J	0.2 J	11/04/08	LFJ	EPA200.8
Nickel, ug/l	0.06	50.0	3.8 J	14.6 J	2.2 J	11/04/08	LFJ	EPA200.8
Selenium, ug/l	0.51	10.0	0.7 J		0.6 J	11/04/08	LFJ	EPA200.8
Selenium, ug/l	0.51	10.0		--- U		11/21/08	CMF	SM3113B
Silver, ug/l	0.04	10.0	0.1 J	0.1 J	0.1 J	11/04/08	LFJ	EPA200.8
Thallium, ug/l	0.63	5.0	--- U	0.1 J	--- U	11/04/08	LFJ	EPA200.8
Vanadium, ug/l	0.07	25.0	0.5 J	8.7 J	1.2 J	11/04/08	LFJ	EPA200.8
Zinc, ug/l	0.04	10.0	27	25	4.1 J	11/04/08	LFJ	EPA200.8
Turbidity, NTU	1.0	1.0	17	120	26	10/28/08	MJN	SM2130B
Conductivity (at 25c), uMhos	1.0	1.0	571	2320	410	10/28/08	RJH	SM2510B
Temperature, °C			14	9	12	10/28/08	RJH	SM2550B

RECEIVED DEC - 4 2008

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
MR. ALLEN HARDISON
P.O. BOX 128
COVE CITY, NC 28523

CLIENT ID: 6035 B

ANALYST: MAO
DATE COLLECTED: 10/28/08
DATE ANALYZED: 11/10/08
DATE REPORTED: 12/03/08

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	SW-1	SW-2	Under Drain
1. Chloromethane	0.18	1.0	0.20 J	0.20 J	--- U
2. Vinyl Chloride	0.34	1.0	--- U	--- U	--- U
3. Bromomethane	0.26	10.0	--- U	--- U	--- U
4. Chloroethane	0.29	10.0	--- U	--- U	--- U
5. Trichlorofluoromethane	0.13	1.0	--- U	--- U	--- U
6. 1,1-Dichloroethene	0.14	5.0	--- U	--- U	--- U
7. Acetone	1.21	100.0	1.80 J	3.70 J	1.60 J
8. Iodomethane	0.12	10.0	--- U	--- U	--- U
9. Carbon Disulfide	0.14	100.0	--- U	--- U	--- U
10. Methylene Chloride	0.14	1.0	0.20 J	0.20 J	0.20 J
11. trans-1,2-Dichloroethene	0.13	5.0	--- U	--- U	--- U
12. 1,1-Dichloroethane	0.16	5.0	--- U	--- U	--- U
13. Vinyl Acetate	0.20	50.0	--- U	--- U	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	--- U	--- U	--- U
15. 2-Butanone	0.85	100.0	1.20 J	--- U	--- U
16. Bromochloromethane	0.11	3.0	--- U	--- U	--- U
17. Chloroform	0.13	5.0	--- U	--- U	--- U
18. 1,1,1-Trichloroethane	0.11	1.0	--- U	--- U	--- U
19. Carbon Tetrachloride	0.13	1.0	--- U	--- U	--- U
20. Benzene	0.16	1.0	--- U	--- U	--- U
21. 1,2-Dichloroethane	0.12	1.0	--- U	--- U	--- U
22. Trichloroethene	0.13	1.0	--- U	--- U	--- U
23. 1,2-Dichloropropane	0.17	1.0	--- U	--- U	--- U
24. Bromodichloromethane	0.13	1.0	--- U	--- U	--- U
25. Cis-1,3-Dichloropropene	0.17	1.0	--- U	--- U	--- U
26. 4-Methyl-2-Pentanone	0.68	100.0	--- U	--- U	--- U
27. Toluene	0.13	1.0	--- U	--- U	--- U
28. trans-1,3-Dichloropropene	0.14	1.0	--- U	--- U	--- U
29. 1,1,2-Trichloroethane	0.20	1.0	--- U	--- U	--- U
30. Tetrachloroethene	0.16	1.0	--- U	--- U	--- U
31. 2-Hexanone	1.00	50.0	--- U	--- U	--- U
32. Dibromochloromethane	0.14	3.0	--- U	--- U	--- U
33. 1,2-Dibromoethane	0.13	1.0	--- U	--- U	--- U
34. Chlorobenzene	0.13	3.0	--- U	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	--- U	--- U	--- U
36. Ethylbenzene	0.16	1.0	--- U	--- U	--- U
37. Xylenes	0.48	5.0	--- U	--- U	--- U
38. Dibromomethane	0.17	10.0	--- U	--- U	--- U
39. Styrene	0.16	1.0	--- U	--- U	--- U
40. Bromoform	0.11	3.0	--- U	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.0	--- U	--- U	--- U
42. 1,2,3-Trichloropropane	0.06	1.0	--- U	--- U	--- U
43. 1,4-Dichlorobenzene	0.21	1.0	--- U	--- U	--- U
44. 1,2-Dichlorobenzene	0.13	5.0	--- U	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.26	13.0	--- U	--- U	--- U
46. Acrylonitrile	1.49	200.0	--- U	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	--- U	--- U	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
Mr. ALLEN HARDISON
P.O. BOX 128
COVE CITY, NC 28523

CLIENT ID: 6035 B

ANALYST: MO
DATE COLLECTED: 10/28/08
DATE ANALYZED: 11/10/08
DATE REPORTED: 11/28/08

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B
METHOD BLANK RESULTS

PARAMETERS, ug/l	MDL	SWSL	Concentration
1. Chloromethane	0.18	1.00	--- U
2. Vinyl Chloride	0.34	1.00	--- U
3. Bromomethane	0.26	10.00	--- U
4. Chloroethane	0.29	10.00	--- U
5. Trichlorofluoromethane	0.13	1.00	--- U
6. 1,1-Dichloroethene	0.14	5.00	--- U
7. Acetone	1.21	100.00	--- U
8. Iodomethane	0.12	10.00	--- U
9. Carbon Disulfide	0.14	100.00	--- U
10. Methylene Chloride	0.14	1.00	--- U
11. trans-1,2-Dichloroethene	0.13	5.00	--- U
12. 1,1-Dichloroethane	0.16	5.00	--- U
13. Vinyl Acetate	0.20	50.00	--- U
14. cis-1,2-Dichloroethene	0.14	5.00	--- U
15. 2-Butanone	0.85	100.00	--- U
16. Bromochloromethane	0.11	3.00	--- U
17. Chloroform	0.13	5.00	--- U
18. 1,1,1-Trichloroethane	0.11	1.00	--- U
19. Carbon Tetrachloride	0.13	1.00	--- U
20. Benzene	0.16	1.00	--- U
21. 1,2-Dichloroethane	0.12	1.00	--- U
22. Trichloroethene	0.13	1.00	--- U
23. 1,2-Dichloropropane	0.17	1.00	--- U
24. Bromodichloromethane	0.13	1.00	--- U
25. cis-1,3-Dichloropropene	0.17	1.00	--- U
26. 4-methyl-2-Pentanone	0.68	100.00	--- U
27. Toluene	0.13	1.00	--- U
28. trans-1,3-Dichloropropene	0.14	1.00	--- U
29. 1,1,2-Trichloroethane	0.20	1.00	--- U
30. Tetrachloroethene	0.16	1.00	--- U
31. 2-Hexanone	1.00	50.00	--- U
32. Dibromochloromethane	0.14	3.00	--- U
33. 1,2-Dibromoethane	0.13	1.00	--- U
34. Chlorobenzene	0.13	3.00	--- U
35. 1,1,1,2-Tetrachloroethane	0.14	5.00	--- U
36. Ethylbenzene	0.16	1.00	--- U
37. Xylenes	0.48	5.00	--- U
38. Dibromomethane	0.17	10.00	--- U
39. Styrene	0.16	1.00	--- U
40. Bromoform	0.11	3.00	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.00	--- U
42. 1,2,3-Trichloropropane	0.06	1.00	--- U
43. 1,4-Dichlorobenzene	0.21	1.00	--- U
44. 1,2-Dichlorobenzene	0.13	5.00	--- U
45. 1,2-Dibromo-3-Chloropropane	0.26	13.00	--- U
46. Acrylonitrile	1.49	200.00	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.00	--- U

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
Mr. ALLEN HARDISON
P.O. BOX 128
COVE CITY, NC 28523

CLIENT ID: 6035 B

ANALYST: MO
DATE COLLECTED: 10/28/08
DATE ANALYZED: 11/10/08
DATE REPORTED: 11/28/08

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B
SURROGATE RECOVERY RESULTS

Sample Name	Limits (% recovery)	1,2-DCA-d4 (% recovery)	Toluene-d8 (% recovery)	4-BFB (% recovery)
Continuing Calibration std.	70-130	90.8	97.1	97.4
Laboratory Control std.	70-130	96.5	97.3	99.7
Method Blank	70-130	103	102	99.3
Surface Water #1	70-130	106	102	102
Surface Water #2	70-130	106	102	103
Under Drain	70-130	104	102	101
Monitoring Well #7 M.S.	70-130	101	100	102
Monitoring Well #7 M.S.D.	70-130	102	101	99.5

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
Mr. ALLEN HARDISON
P.O. BOX 128
COVE CITY, NC 28523

CLIENT ID: 6035 B

ANALYST: MO
DATE COLLECTED: 10/28/08
DATE ANALYZED: 11/11/08
DATE REPORTED: 11/28/08

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS

Sample Spiked: Monitoring Well #7 (6035D)	Spike Amount Ug/l	Sample Result Ug/l	Spike Result Ug/l	Spike Recovery (70-130%)	Spike Dup. Result Ug/l	Spike Dup. Recovery (70-130%)	MS/MSD RPD (50%)
1,1-Dichloroethene	20.0	--- U	18.99	95.0	19.47	97.4	2.5
Benzene	20.0	--- U	19.75	98.8	20.43	102	3.4
Trichloroethene	20.0	--- U	18.24	91.2	18.82	94.1	3.1
Toluene	20.0	--- U	19.64	98.2	19.75	98.8	0.6
Chlorobenzene	20.0	--- U	18.26	91.3	18.99	95.0	3.9

LABORATORY CONTROL SAMPLE RESULTS

Sample Compound:	Spike Amount Ug/l	Spike Result Ug/l	Spike Recovery (70-130%)
1,1-Dichloroethene	20.0	19.35	96.8
Benzene	20.0	19.79	99.0
Trichloroethene	20.0	18.78	93.9
Toluene	20.0	19.84	99.2
Chlorobenzene	20.0	18.76	93.8

Environment 1, Inc.
P.O. Box 7085, 114 Oakmont Dr.
Greenville, NC 27858

Phone (252) 756-6208 • Fax (252) 756-0633

CHAIN OF CUSTODY RECORD

CLIENT: 6035 B **Week: 40**

CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
MR. ALLEN HARDISON
P.O. BOX 128
COVE CITY NC 28523

(252) 633-1564

DISINFECTION
- [ ] CHLORINE
- [ ] UV
- [ ] NONE
- [ ] _____

																						CHLORINE NEUTRALIZED AT COLLECTION
							L2				L2	L2										pH CHECK (LAB)
						P	P	P	P	P	G	G										CONTAINER TYPE, P/G
						A	A	A	A	A	E	E										CHEMICAL PRESERVATION
SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Field pH	Metals	Turbidity	Conductivity	Temperature	EPA 8260B	8260 Dup. 1										PARAMETERS
SW-1	10 2808	1130		14	5	G	G	G	G	G	G	G										
SW-2	10 2808	0920		9	5	G	G	G	G	G	G	G										
Under Drain	10 2808	0935		12	5	G	G	G	G	G	G	G										

A - NONE D - NAOH
B - HNO_3 E - HCL
C - H_2SO_4 F - ZINC ACETATE
G - NA THIOSULFATE

CLASSIFICATION:
- [ ] WASTEWATER (NPDES)
- [ ] DRINKING WATER
- [ ] DWQ/GW
- [X] SOLID WASTE SECTION

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY
(Y) N

SAMPLES COLLECTED BY: (Please Print) [signature]

SAMPLES RECEIVED IN LAB AT 0.2 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
[signature]	10 2808 2pm	[signature]	10/28 2pm
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:

Instructions for completing this form are on the reverse side.

Sampler must place a "C" for composite sample or a "G" for Grab sample in the blocks above for each parameter requested.

№ 168534

FORM #5

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

ID#: 6035 D

CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
MR. ALLEN HARDISON
P.O. BOX 128
COVE CITY ,NC 28523

DATE COLLECTED: 10/28/08
DATE REPORTED : 12/03/08

REVIEWED BY:

PARAMETERS	MDL	SWSL	MW-7	MW-8	MW-10	MW-11S	MW-11D	Analysis Date	Analyst	Method Code
PH (field measurement), Units			6.2	4.9	5.0	3.9	6.9	10/28/08	RJH	SM4500HB
Antimony, ug/l	0.44	6.0	0.9 J	0.2 J	0.1 J	--- U	--- U	11/04/08	LFJ	EPA200.8
Arsenic, ug/l	0.57	10.0	2.4 J	5.3 J	3.1 J	0.4 J	0.2 J	11/04/08	LFJ	EPA200.8
Barium, ug/l	0.11	100.0	115	80.3 J	55.1 J	111	37.9 J	11/04/08	LFJ	EPA200.8
Beryllium, ug/l	0.06	1.0	0.4 J	0.8 J	0.3 J	1.2	0.1 J	11/04/08	LFJ	EPA200.8
Cadmium, ug/l	0.05	1.0	0.3 J	0.2 J	0.1 J	0.3 J	0.2 J	11/04/08	LFJ	EPA200.8
Cobalt, ug/l	0.03	10.0	0.8 J	1 J	0.5 J	2.8 J	0.1 J	11/04/08	LFJ	EPA200.8
Copper, ug/l	0.05	10.0	2.1 J	1.7 J	0.9 J	0.8 J	0.3 J	11/04/08	LFJ	EPA200.8
Total Chromium, ug/l	0.11	10.0	7.9 J	9.5 J	0.9 J	0.7 J	--- U	11/04/08	LFJ	EPA200.8
Lead, ug/l	0.32	10.0	7.2 J	8 J	1.3 J	1.1 J	0.1 J	11/04/08	LFJ	EPA200.8
Nickel, ug/l	0.06	50.0	4 J	2.2 J	1 J	4.9 J	2 J	11/04/08	LFJ	EPA200.8
Selenium, ug/l	0.51	10.0	0.9 J	0.3 J	0.7 J	0.5 J	--- U	11/04/08	LFJ	EPA200.8
Silver, ug/l	0.04	10.0	0.1 J	0.1 J	--- U	--- U	--- U	11/04/08	LFJ	EPA200.8
Thallium, ug/l	0.63	5.0	0.2 J	0.1 J	--- U	--- U	--- U	11/04/08	LFJ	EPA200.8
Vanadium, ug/l	0.07	25.0	14.1 J	14 J	3.1 J	1.9 J	0.4 J	11/04/08	LFJ	EPA200.8
Zinc, ug/l	0.04	10.0	22	11	5.8 J	7.6 J	3.8 J	11/04/08	LFJ	EPA200.8
Turbidity, NTU	1.0	1.0	200	320	70	60	40	10/28/08	MJN	SM2130B
Conductivity (at 25c), uMhos	1.0	1.0	528	63	124	542	449	10/28/08	RJH	SM2510B
Temperature, °C			20	20	19	20	20	10/28/08	RJH	SM2550B
Static Water Level, feet			6.13	5.27	5.74	8.72	11.65	10/28/08	RJH	
Well Depth, feet			16.59	15.62	15.95	14.04	34.42	10/28/08	RJH	

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J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

ID#: 6035 D

CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
MR. ALLEN HARDISON
P.O. BOX 128
COVE CITY ,NC 28523

DATE COLLECTED: 10/28/08
DATE REPORTED : 12/03/08

REVIEWED BY:

PARAMETERS	MDL	SWSDrain	Under #2	Leachate Manhole	Trip Blank	Equipment Blank	Analysis Date	Analyst	Method Code
PH (field measurement), Units			6.8	7.2			10/28/08	RJH	SM4500HB
Antimony, ug/l	0.08	6.0	0.1 J	8.8		--- U	11/04/08	LFJ	EPA200.8
Arsenic, ug/l	0.07	10.0	1.3 J			0.5 J	11/04/08	LFJ	EPA200.8
Arsenic, ug/l	0.07	10.0		66			11/25/08	CMF	SM3113B
Barium, ug/l	0.11	100.0	93.6 J	868		0.7 J	11/04/08	LFJ	EPA200.8
Beryllium, ug/l	0.06	1.0	--- U	0.2 J		--- U	11/04/08	LFJ	EPA200.8
Cadmium, ug/l	0.04	1.0	--- U	3.6		--- U	11/04/08	LFJ	EPA200.8
Cobalt, ug/l	0.03	10.0	0.9 J	15		--- U	11/04/08	LFJ	EPA200.8
Copper, ug/l	0.05	10.0	1.4 J	6.5 J		1.1 J	11/04/08	LFJ	EPA200.8
Total Chromium, ug/l	0.11	10.0	0.4 J	72		--- U	11/04/08	LFJ	EPA200.8
Lead, ug/l	0.04	10.0	0.1 J	1.1 J		0.1 J	11/04/08	LFJ	EPA200.8
Nickel, ug/l	0.06	50.0	7 J	81		0.2 J	11/04/08	LFJ	EPA200.8
Selenium, ug/l	0.14	10.0	3.3 J			1.9 J	11/04/08	LFJ	EPA200.8
Selenium, ug/l	0.14	10.0		--- U			11/21/08	CMF	SM3113B
Silver, ug/l	0.04	10.0	0.1 J	0.7 J		0.1 J	11/04/08	LFJ	EPA200.8
Thallium, ug/l	0.04	5.0	--- U	--- U		--- U	11/04/08	LFJ	EPA200.8
Vanadium, ug/l	0.07	25.0	0.5 J	18.5 J		0.2 J	11/04/08	LFJ	EPA200.8
Zinc, ug/l	0.04	10.0	1.5 J	20		0.4 J	11/04/08	LFJ	EPA200.8
Turbidity, NTU	1.0	1.0	60	27			10/28/08	MJN	SM2130B
Conductivity (at 25c), uMhos	1.0	1.0	1245	23000			10/28/08	RJH	SM2510B
Temperature, °C			13	26			10/28/08	RJH	SM2550B

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
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CLIENT: CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
MR. ALLEN HARDISON
P.O. BOX 128
COVE CITY, NC 28523

CLIENT ID: 6035 D

ANALYST: MAO
DATE COLLECTED: 10/28/08
DATE REPORTED: 12/03/08

Page: 1

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	Date Analyzed: MDL	SWSL	11/10/08 MW-7	11/10/08 MW-8	11/10/08 MW-10	11/10/08 MW-11S	11/10/08 MW-11D
1. Chloromethane	0.18	1.0	--- U	--- U	--- U	--- U	--- U
2. Vinyl Chloride	0.34	1.0	--- U	--- U	--- U	--- U	--- U
3. Bromomethane	0.26	10.0	--- U	--- U	--- U	--- U	--- U
4. Chloroethane	0.29	10.0	--- U	--- U	--- U	--- U	--- U
5. Trichlorofluoromethane	0.13	1.0	--- U	--- U	--- U	--- U	--- U
6. 1,1-Dichloroethene	0.14	5.0	--- U	--- U	--- U	--- U	--- U
7. Acetone	1.21	100.0	--- U	--- U	--- U	--- U	--- U
8. Iodomethane	0.12	10.0	--- U	--- U	--- U	--- U	--- U
9. Carbon Disulfide	0.14	100.0	--- U	--- U	--- U	--- U	--- U
10. Methylene Chloride	0.14	1.0	0.20 J	0.20 J	0.20 J	0.20 J	0.20 J
11. trans-1,2-Dichloroethene	0.13	5.0	--- U	--- U	--- U	--- U	--- U
12. 1,1-Dichloroethane	0.16	5.0	--- U	--- U	--- U	--- U	--- U
13. Vinyl Acetate	0.20	50.0	--- U	--- U	--- U	--- U	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	--- U	--- U	--- U	--- U	--- U
15. 2-Butanone	0.85	100.0	--- U	--- U	--- U	--- U	--- U
16. Bromochloromethane	0.11	3.0	--- U	--- U	--- U	--- U	--- U
17. Chloroform	0.13	5.0	--- U	--- U	--- U	--- U	--- U
18. 1,1,1-Trichloroethane	0.11	1.0	--- U	--- U	--- U	--- U	--- U
19. Carbon Tetrachloride	0.13	1.0	--- U	--- U	--- U	--- U	--- U
20. Benzene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
21. 1,2-Dichloroethane	0.12	1.0	--- U	--- U	--- U	--- U	--- U
22. Trichloroethene	0.13	1.0	--- U	--- U	--- U	--- U	--- U
23. 1,2-Dichloropropane	0.17	1.0	--- U	--- U	--- U	--- U	--- U
24. Bromodichloromethane	0.13	1.0	--- U	--- U	--- U	--- U	--- U
25. Cis-1,3-Dichloropropene	0.17	1.0	--- U	--- U	--- U	--- U	--- U
26. 4-Methyl-2-Pentanone	0.68	100.0	--- U	--- U	--- U	--- U	--- U
27. Toluene	0.13	1.0	--- U	--- U	--- U	--- U	--- U
28. trans-1,3-Dichloropropene	0.14	1.0	--- U	--- U	--- U	--- U	--- U
29. 1,1,2-Trichloroethane	0.20	1.0	--- U	--- U	--- U	--- U	--- U
30. Tetrachloroethene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
31. 2-Hexanone	1.00	50.0	--- U	--- U	--- U	--- U	--- U
32. Dibromochloromethane	0.14	3.0	--- U	--- U	--- U	--- U	--- U
33. 1,2-Dibromoethane	0.13	1.0	--- U	--- U	--- U	--- U	--- U
34. Chlorobenzene	0.13	3.0	--- U	--- U	--- U	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	--- U	--- U	--- U	--- U	--- U
36. Ethylbenzene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
37. Xylenes	0.48	5.0	--- U	--- U	--- U	--- U	--- U
38. Dibromomethane	0.17	10.0	--- U	--- U	--- U	--- U	--- U
39. Styrene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
40. Bromoform	0.11	3.0	--- U	--- U	--- U	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.0	--- U	--- U	--- U	--- U	--- U
42. 1,2,3-Trichloropropane	0.06	1.0	--- U	--- U	--- U	--- U	--- U
43. 1,4-Dichlorobenzene	0.21	1.0	--- U	--- U	--- U	--- U	--- U
44. 1,2-Dichlorobenzene	0.13	5.0	--- U	--- U	--- U	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.26	13.0	--- U	--- U	--- U	--- U	--- U
46. Acrylonitrile	1.49	200.0	--- U	--- U	--- U	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	--- U	--- U	--- U	--- U	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
MR. ALLEN HARDISON
P.O. BOX 128
COVE CITY, NC 28523

CLIENT ID: 6035 D

ANALYST: MAO
DATE COLLECTED: 10/28/08
DATE REPORTED: 12/03/08

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	Date Analyzed: MDL	SWSL	11/10/08 Under Drain #2	11/11/08 Leachate Manhole	11/10/08 Trip Blank	11/10/08 Equipment Blank
1. Chloromethane	0.18	1.0	--- U	--- U	--- U	--- U
2. Vinyl Chloride	0.34	1.0	--- U	--- U	--- U	--- U
3. Bromomethane	0.26	10.0	--- U	--- U	--- U	--- U
4. Chloroethane	0.29	10.0	--- U	--- U	--- U	--- U
5. Trichlorofluoromethane	0.13	1.0	--- U	--- U	--- U	--- U
6. 1,1-Dichloroethene	0.14	5.0	--- U	--- U	--- U	--- U
7. Acetone	1.21	100.0	2.10 J	237.00	1.30 J	--- U
8. Iodomethane	0.12	10.0	--- U	--- U	--- U	--- U
9. Carbon Disulfide	0.14	100.0	--- U	--- U	--- U	--- U
10. Methylene Chloride	0.14	1.0	0.20 J	0.20 J	--- U	--- U
11. trans-1,2-Dichloroethene	0.13	5.0	--- U	--- U	--- U	--- U
12. 1,1-Dichloroethane	0.16	5.0	--- U	--- U	--- U	--- U
13. Vinyl Acetate	0.20	50.0	--- U	--- U	--- U	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	--- U	1.40 J	--- U	--- U
15. 2-Butanone	0.85	100.0	--- U	166.00	--- U	--- U
16. Bromochloromethane	0.11	3.0	--- U	--- U	--- U	--- U
17. Chloroform	0.13	5.0	--- U	--- U	--- U	--- U
18. 1,1,1-Trichloroethane	0.11	1.0	--- U	--- U	--- U	--- U
19. Carbon Tetrachloride	0.13	1.0	--- U	--- U	--- U	--- U
20. Benzene	0.16	1.0	--- U	1.80	--- U	--- U
21. 1,2-Dichloroethane	0.12	1.0	--- U	0.20 J	--- U	--- U
22. Trichloroethene	0.13	1.0	--- U	0.50 J	--- U	--- U
23. 1,2-Dichloropropane	0.17	1.0	--- U	0.20 J	--- U	--- U
24. Bromodichloromethane	0.13	1.0	--- U	--- U	--- U	--- U
25. Cis-1,3-Dichloropropene	0.17	1.0	--- U	--- U	--- U	--- U
26. 4-Methyl-2-Pentanone	0.68	100.0	--- U	230.00	--- U	--- U
27. Toluene	0.13	1.0	--- U	24.00	--- U	--- U
28. trans-1,3-Dichloropropene	0.14	1.0	--- U	--- U	--- U	--- U
29. 1,1,2-Trichloroethane	0.20	1.0	--- U	--- U	--- U	--- U
30. Tetrachloroethene	0.16	1.0	--- U	--- U	--- U	--- U
31. 2-Hexanone	1.00	50.0	--- U	--- U	--- U	--- U
32. Dibromochloromethane	0.14	3.0	--- U	--- U	--- U	--- U
33. 1,2-Dibromoethane	0.13	1.0	--- U	--- U	--- U	--- U
34. Chlorobenzene	0.13	3.0	--- U	0.90 J	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	--- U	--- U	--- U	--- U
36. Ethylbenzene	0.16	1.0	--- U	105.00	--- U	--- U
37. Xylenes	0.48	5.0	--- U	61.70	--- U	--- U
38. Dibromomethane	0.17	10.0	--- U	--- U	--- U	--- U
39. Styrene	0.16	1.0	--- U	--- U	--- U	--- U
40. Bromoform	0.11	3.0	--- U	--- U	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.0	--- U	--- U	--- U	--- U
42. 1,2,3-Trichloropropane	0.06	1.0	--- U	--- U	--- U	--- U
43. 1,4-Dichlorobenzene	0.21	1.0	--- U	13.40	--- U	--- U
44. 1,2-Dichlorobenzene	0.13	5.0	--- U	0.90 J	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.26	13.0	--- U	--- U	--- U	--- U
46. Acrylonitrile	1.49	200.0	--- U	--- U	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	--- U	--- U	--- U	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
Mr. ALLEN HARDISON
P.O. BOX 128
COVE CITY, NC 28523

CLIENT ID: 6035 D

ANALYST: MO
DATE COLLECTED: 10/28/08
DATE ANALYZED: 11/10/08
DATE REPORTED: 11/28/08

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B
METHOD BLANK RESULTS

PARAMETERS, ug/l	MDL	SWSL	Concentration
1. Chloromethane	0.18	1.00	--- U
2. Vinyl Chloride	0.34	1.00	--- U
3. Bromomethane	0.26	10.00	--- U
4. Chloroethane	0.29	10.00	--- U
5. Trichlorofluoromethane	0.13	1.00	--- U
6. 1,1-Dichloroethene	0.14	5.00	--- U
7. Acetone	1.21	100.00	--- U
8. Iodomethane	0.12	10.00	--- U
9. Carbon Disulfide	0.14	100.00	--- U
10. Methylene Chloride	0.14	1.00	--- U
11. trans-1,2-Dichloroethene	0.13	5.00	--- U
12. 1,1-Dichloroethane	0.16	5.00	--- U
13. Vinyl Acetate	0.20	50.00	--- U
14. cis-1,2-Dichloroethene	0.14	5.00	--- U
15. 2-Butanone	0.85	100.00	--- U
16. Bromochloromethane	0.11	3.00	--- U
17. Chloroform	0.13	5.00	--- U
18. 1,1,1-Trichloroethane	0.11	1.00	--- U
19. Carbon Tetrachloride	0.13	1.00	--- U
20. Benzene	0.16	1.00	--- U
21. 1,2-Dichloroethane	0.12	1.00	--- U
22. Trichloroethene	0.13	1.00	--- U
23. 1,2-Dichloropropane	0.17	1.00	--- U
24. Bromodichloromethane	0.13	1.00	--- U
25. cis-1,3-Dichloropropene	0.17	1.00	--- U
26. 4-methyl-2-Pentanone	0.68	100.00	--- U
27. Toluene	0.13	1.00	--- U
28. trans-1,3-Dichloropropene	0.14	1.00	--- U
29. 1,1,2-Trichloroethane	0.20	1.00	--- U
30. Tetrachloroethene	0.16	1.00	--- U
31. 2-Hexanone	1.00	50.00	--- U
32. Dibromochloromethane	0.14	3.00	--- U
33. 1,2-Dibromoethane	0.13	1.00	--- U
34. Chlorobenzene	0.13	3.00	--- U
35. 1,1,1,2-Tetrachloroethane	0.14	5.00	--- U
36. Ethylbenzene	0.16	1.00	--- U
37. Xylenes	0.48	5.00	--- U
38. Dibromomethane	0.17	10.00	--- U
39. Styrene	0.16	1.00	--- U
40. Bromoform	0.11	3.00	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.00	--- U
42. 1,2,3-Trichloropropane	0.06	1.00	--- U
43. 1,4-Dichlorobenzene	0.21	1.00	--- U
44. 1,2-Dichlorobenzene	0.13	5.00	--- U
45. 1,2-Dibromo-3-Chloropropane	0.26	13.00	--- U
46. Acrylonitrile	1.49	200.00	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.00	--- U

Environment 1, Incorporated

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C/O COASTAL PARTNERSHIP
Mr. ALLEN HARDISON
P.O. BOX 128
COVE CITY, NC 28523

CLIENT ID: 6035 D

ANALYST: MO
DATE COLLECTED: 10/28/08
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REVIEWED BY: _____

VOLATILE ORGANICS
EPA METHOD 8260B
SURROGATE RECOVERY RESULTS

Sample Name	Limits (% recovery)	1,2-DCA-d4 (% recovery)	Toluene-d8 (% recovery)	4-BFB (% recovery)
Continuing Calibration std.	70-130	90.8	97.1	97.4
Laboratory Control std.	70-130	96.5	97.3	99.7
Method Blank	70-130	103	102	99.3
Monitoring Well #7	70-130	103	100	98.9
Monitoring Well #8	70-130	102	99.3	98.5
Monitoring Well #10	70-130	105	102	98.9
Monitoring Well #11S	70-130	102	100	101
Monitoring Well #11D	70-130	103	99.9	98.3
Under Drain #2	70-130	103	101	98.4
Leachate Manhole	70-130	105	101	114
Trip Blank	70-130	125	122	121
Equipment Blank	70-130	104	100	98.3
Monitoring Well #7 M.S.	70-130	101	100	102
Monitoring Well #7 M.S.D.	70-130	102	101	99.5

Environment 1, Incorporated

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C/O COASTAL PARTNERSHIP
Mr. ALLEN HARDISON
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COVE CITY, NC 28523

CLIENT ID: 6035 D

ANALYST: MO
DATE COLLECTED: 10/28/08
DATE ANALYZED: 11/11/08
DATE REPORTED: 11/28/08

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS

Sample Spiked: Monitoring Well #7 (6035D)	Spike Amount Ug/l	Sample Result Ug/l	Spike Result Ug/l	Spike Recovery (70-130%)	Spike Dup. Result Ug/l	Spike Dup. Recovery (70-130%)	MS/MSD RPD (50%)
1,1-Dichloroethene	20.0	--- U	18.99	95.0	19.47	97.4	2.5
Benzene	20.0	--- U	19.75	98.8	20.43	102	3.4
Trichloroethene	20.0	--- U	18.24	91.2	18.82	94.1	3.1
Toluene	20.0	--- U	19.64	98.2	19.75	98.8	0.6
Chlorobenzene	20.0	--- U	18.26	91.3	18.99	95.0	3.9

LABORATORY CONTROL SAMPLE RESULTS

Sample Compound:	Spike Amount Ug/l	Spike Result Ug/l	Spike Recovery (70-130%)
1,1-Dichloroethene	20.0	19.35	96.8
Benzene	20.0	19.79	99.0
Trichloroethene	20.0	18.78	93.9
Toluene	20.0	19.84	99.2
Chlorobenzene	20.0	18.76	93.8

Environment 1, Inc.
P.O. Box 7085, 114 Oakmont Dr.
Greenville, NC 27858

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CHAIN OF CUSTODY RECORD

CLIENT: 6035 D **Week: 40**

CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
MR. ALLEN HARDISON
P.O. BOX 128
COVE CITY NC 28523

(252) 633-1564

DISINFECTION
- ☐ CHLORINE
- ☐ UV
- ☐ NONE
- ☐ _____

SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Field pH	Metals	Turbidity	Conductivity	Temperature	Field Parameter	EPA 8260B	8260 Dup. 1	8260 Dup. 2
							L2					L2	L2	L2
						P	P	P	P	P		G	G	G
						A	A	A	A	A		E	E	E
MW-7	10 28 08	1015		20	6	G	G	G	G	G	G	G	G	G
MW-8	10 28 08	1010		20	5	G	G	G	G	G	G	G	G	
MW-10	10 28 08	1040		19	5	G	G	G	G	G	G	G	G	
MW-11S	10 28 08	0855		20	5	G	G	G	G	G	G	G	G	
MW-11D	10 28 08	0900		20	5	G	G	G	G	G	G	G	G	
Under Drain #2	10 28 08	0925		13	5	G	G	G	G	G		G	G	
Leachate Manhole	10 28 08	0915		26	6	G	G	G	G	G		G	G	G
Trip Blank	10 28 08				2									
Equipment Blank	10 28 08				3		G					G	G	

CHLORINE NEUTRALIZED AT COLLECTION

pH CHECK (LAB)

CONTAINER TYPE, P/G

CHEMICAL PRESERVATION

A - NONE
B - HNO_3
C - H_2SO_4
D - NAOH
E - HCL
F - ZINC ACETATE
G - NA THIOSULFATE

PARAMETERS

CLASSIFICATION:
- ☐ WASTEWATER (NPDES)
- ☐ DRINKING WATER
- ☐ DWQ/GW
- ☒ SOLID WASTE SECTION

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY
Y N

SAMPLES COLLECTED BY: (Please Print) H Sage / Fat

SAMPLES RECEIVED IN LAB AT 0.2 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob H Sage	10 28 08 2pm	B [signature]	10/28 2pm
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:

Instructions for completing this form are on the reverse side.

Sampler must place a "C" for composite sample or a "G" for Grab sample in the blocks above for each parameter requested.

№ 168533

FORM #5

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

ID#: 6035 E

CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
MR. ALLEN HARDISON
P.O. BOX 128
COVE CITY ,NC 28523

DATE COLLECTED: 10/28/08
DATE REPORTED : 12/01/08

REVIEWED BY:

PARAMETERS	MDL	SWSL	MW-12s	Well #12 Deep	Well #13 Shallow	Well #13 Deep	MW-14R	Analysis Date	Analyst	Method Code
PH (field measurement), Units			4.6	7.0	4.7	7.0	5.0	10/28/08	RJH	SM4500HB
Antimony, ug/l	0.08	6.0	0.1 J					11/04/08	LFJ	EPA200.8
Antimony, ug/l	0.08	6.0		--- U	--- U	--- U	--- U	11/12/08	LFJ	EPA200.8
Arsenic, ug/l	0.07	10.0	1 J					11/04/08	LFJ	EPA200.8
Arsenic, ug/l	0.07	10.0		0.8 J	1.3 J	0.5 J	0.7 J	11/12/08	LFJ	EPA200.8
Barium, ug/l	0.11	100.0	85.2 J					11/04/08	LFJ	EPA200.8
Barium, ug/l	0.11	100.0		30.9 J	51.1 J	37.9 J	50.7 J	11/12/08	LFJ	EPA200.8
Beryllium, ug/l	0.06	1.0	0.9 J					11/04/08	LFJ	EPA200.8
Beryllium, ug/l	0.06	1.0		0.1 J	0.4 J	--- U	0.3 J	11/12/08	LFJ	EPA200.8
Cadmium, ug/l	0.04	1.0	0.2 J					11/04/08	LFJ	EPA200.8
Cadmium, ug/l	0.04	1.0		0.2 J	0.5 J	0.1 J	0.2 J	11/12/08	LFJ	EPA200.8
Cobalt, ug/l	0.03	10.0	2.8 J					11/04/08	LFJ	EPA200.8
Cobalt, ug/l	0.03	10.0		0.2 J	0.4 J	0.2 J	0.7 J	11/12/08	LFJ	EPA200.8
Copper, ug/l	0.05	10.0	1.1 J					11/04/08	LFJ	EPA200.8
Copper, ug/l	0.05	10.0		0.8 J	1.5 J	0.9 J	2.8 J	11/12/08	LFJ	EPA200.8
Total Chromium, ug/l	0.11	10.0	--- U					11/04/08	LFJ	EPA200.8
Total Chromium, ug/l	0.11	10.0		0.7 J	0.9 J	0.4 J	3.1 J	11/12/08	LFJ	EPA200.8
Lead, ug/l	0.04	10.0	0.3 J					11/04/08	LFJ	EPA200.8
Lead, ug/l	0.04	10.0		0.4 J	0.8 J	0.5 J	2.5 J	11/24/08	LFJ	EPA200.8
Nickel, ug/l	0.06	50.0	3.5 J					11/04/08	LFJ	EPA200.8
Nickel, ug/l	0.06	50.0		2.7 J	1.1 J	2.0 J	1.6 J	11/12/08	LFJ	EPA200.8
Selenium, ug/l	0.14	10.0	3.1 J					11/04/08	LFJ	EPA200.8
Selenium, ug/l	0.14	10.0		--- U	0.6 J	--- U	0.6 J	11/12/08	LFJ	EPA200.8
Silver, ug/l	0.04	10.0	0.1 J					11/04/08	LFJ	EPA200.8
Silver, ug/l	0.04	10.0		--- U	0.1 J	0.1 J	--- U	11/12/08	LFJ	EPA200.8
Thallium, ug/l	0.04	5.0	0.1 J					11/04/08	LFJ	EPA200.8
Thallium, ug/l	0.04	5.0		0.1 J	0.1 J	--- U	0.1 J	11/12/08	LFJ	EPA200.8
Vanadium, ug/l	0.07	25.0	0.4 J					11/04/08	LFJ	EPA200.8
Vanadium, ug/l	0.07	25.0		1.0 J	1.5 J	0.9 J	3.9 J	11/12/08	LFJ	EPA200.8
Zinc, ug/l	0.04	10.0	20					11/04/08	LFJ	EPA200.8
Zinc, ug/l	0.04	10.0		15	13	8.3 J	17	11/12/08	LFJ	EPA200.8
Turbidity, NTU	1.0	1.0	18	75	28	60	80	10/28/08	MJN	SM2130B
Conductivity (at 25c), uMhos	1.0	1.0	140	437	152	422	75	10/28/08	RJH	SM2510B
Temperature, °C			21	18	18	19	20	10/28/08	RJH	SM2550B
Static Water Level, feet			7.45	16.67	2.14	11.34	4.85	10/28/08	RJH	
Well Depth, feet			17.99	36.03	17.74	34.31	17.37	10/28/08	RJH	

RECEIVED DEC - 4 2008

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
MR. ALLEN HARDISON
P.O. BOX 128
COVE CITY, NC 28523

CLIENT ID: 6035 E

ANALYST: MAO
DATE COLLECTED: 10/28/08
DATE ANALYZED: 11/10/08
DATE REPORTED: 12/01/08

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	MW-12s	Well #12 Deep	Well #13 Shallow	Well #13 Deep	MW-14R
1. Chloromethane	0.18	1.0	--- U	--- U	--- U	--- U	0.20 J
2. Vinyl Chloride	0.34	1.0	--- U	--- U	--- U	--- U	--- U
3. Bromomethane	0.26	10.0	--- U	--- U	--- U	--- U	--- U
4. Chloroethane	0.29	10.0	--- U	--- U	--- U	--- U	--- U
5. Trichlorofluoromethane	0.13	1.0	--- U	--- U	--- U	--- U	--- U
6. 1,1-Dichloroethene	0.14	5.0	--- U	--- U	--- U	--- U	--- U
7. Acetone	1.21	100.0	--- U	--- U	--- U	--- U	--- U
8. Iodomethane	0.12	10.0	--- U	--- U	--- U	--- U	--- U
9. Carbon Disulfide	0.14	100.0	--- U	--- U	--- U	--- U	--- U
10. Methylene Chloride	0.14	1.0	--- U	--- U	--- U	--- U	--- U
11. trans-1,2-Dichloroethene	0.13	5.0	--- U	--- U	--- U	--- U	--- U
12. 1,1-Dichloroethane	0.16	5.0	--- U	--- U	--- U	--- U	--- U
13. Vinyl Acetate	0.20	50.0	--- U	--- U	--- U	--- U	--- U
14. Cis-1,2-Dichloroethene	0.14	5.0	--- U	--- U	--- U	--- U	--- U
15. 2-Butanone	0.85	100.0	--- U	--- U	--- U	--- U	--- U
16. Bromochloromethane	0.11	3.0	--- U	--- U	--- U	--- U	--- U
17. Chloroform	0.13	5.0	--- U	--- U	--- U	--- U	--- U
18. 1,1,1-Trichloroethane	0.11	1.0	--- U	--- U	--- U	--- U	--- U
19. Carbon Tetrachloride	0.13	1.0	--- U	--- U	--- U	--- U	--- U
20. Benzene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
21. 1,2-Dichloroethane	0.12	1.0	--- U	--- U	--- U	--- U	--- U
22. Trichloroethene	0.13	1.0	--- U	--- U	--- U	--- U	--- U
23. 1,2-Dichloropropane	0.17	1.0	--- U	--- U	--- U	--- U	--- U
24. Bromodichloromethane	0.13	1.0	--- U	--- U	--- U	--- U	--- U
25. Cis-1,3-Dichloropropene	0.17	1.0	--- U	--- U	--- U	--- U	--- U
26. 4-Methyl-2-Pentanone	0.68	100.0	--- U	--- U	--- U	--- U	--- U
27. Toluene	0.13	1.0	--- U	--- U	--- U	--- U	--- U
28. trans-1,3-Dichloropropene	0.14	1.0	--- U	--- U	--- U	--- U	--- U
29. 1,1,2-Trichloroethane	0.20	1.0	--- U	--- U	--- U	--- U	--- U
30. Tetrachloroethene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
31. 2-Hexanone	1.00	50.0	--- U	--- U	--- U	--- U	--- U
32. Dibromochloromethane	0.14	3.0	--- U	--- U	--- U	--- U	--- U
33. 1,2-Dibromoethane	0.13	1.0	--- U	--- U	--- U	--- U	--- U
34. Chlorobenzene	0.13	3.0	--- U	--- U	--- U	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.14	5.0	--- U	--- U	--- U	--- U	--- U
36. Ethylbenzene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
37. Xylenes	0.48	5.0	--- U	--- U	--- U	--- U	--- U
38. Dibromomethane	0.17	10.0	--- U	--- U	--- U	--- U	--- U
39. Styrene	0.16	1.0	--- U	--- U	--- U	--- U	--- U
40. Bromoform	0.11	3.0	--- U	--- U	--- U	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.0	--- U	--- U	--- U	--- U	--- U
42. 1,2,3-Trichloropropane	0.06	1.0	--- U	--- U	--- U	--- U	--- U
43. 1,4-Dichlorobenzene	0.21	1.0	--- U	--- U	--- U	--- U	--- U
44. 1,2-Dichlorobenzene	0.13	5.0	--- U	--- U	--- U	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.26	13.0	--- U	--- U	--- U	--- U	--- U
46. Acrylonitrile	1.49	200.0	--- U	--- U	--- U	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.0	--- U	--- U	--- U	--- U	--- U

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
Mr. ALLEN HARDISON
P.O. BOX 128
COVE CITY, NC 28523

CLIENT ID: 6035 E

ANALYST: MO
DATE COLLECTED: 10/28/08
DATE ANALYZED: 11/10/08
DATE REPORTED: 11/28/08

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B
METHOD BLANK RESULTS

PARAMETERS, ug/l	MDL	SWSL	Concentration
1. Chloromethane	0.18	1.00	--- U
2. Vinyl Chloride	0.34	1.00	--- U
3. Bromomethane	0.26	10.00	--- U
4. Chloroethane	0.29	10.00	--- U
5. Trichlorofluoromethane	0.13	1.00	--- U
6. 1,1-Dichloroethene	0.14	5.00	--- U
7. Acetone	1.21	100.00	--- U
8. Iodomethane	0.12	10.00	--- U
9. Carbon Disulfide	0.14	100.00	--- U
10. Methylene Chloride	0.14	1.00	--- U
11. trans-1,2-Dichloroethene	0.13	5.00	--- U
12. 1,1-Dichloroethane	0.16	5.00	--- U
13. Vinyl Acetate	0.20	50.00	--- U
14. cis-1,2-Dichloroethene	0.14	5.00	--- U
15. 2-Butanone	0.85	100.00	--- U
16. Bromochloromethane	0.11	3.00	--- U
17. Chloroform	0.13	5.00	--- U
18. 1,1,1-Trichloroethane	0.11	1.00	--- U
19. Carbon Tetrachloride	0.13	1.00	--- U
20. Benzene	0.16	1.00	--- U
21. 1,2-Dichloroethane	0.12	1.00	--- U
22. Trichloroethene	0.13	1.00	--- U
23. 1,2-Dichloropropane	0.17	1.00	--- U
24. Bromodichloromethane	0.13	1.00	--- U
25. cis-1,3-Dichloropropene	0.17	1.00	--- U
26. 4-methyl-2-Pentanone	0.68	100.00	--- U
27. Toluene	0.13	1.00	--- U
28. trans-1,3-Dichloropropene	0.14	1.00	--- U
29. 1,1,2-Trichloroethane	0.20	1.00	--- U
30. Tetrachloroethene	0.16	1.00	--- U
31. 2-Hexanone	1.00	50.00	--- U
32. Dibromochloromethane	0.14	3.00	--- U
33. 1,2-Dibromoethane	0.13	1.00	--- U
34. Chlorobenzene	0.13	3.00	--- U
35. 1,1,1,2-Tetrachloroethane	0.14	5.00	--- U
36. Ethylbenzene	0.16	1.00	--- U
37. Xylenes	0.48	5.00	--- U
38. Dibromomethane	0.17	10.00	--- U
39. Styrene	0.16	1.00	--- U
40. Bromoform	0.11	3.00	--- U
41. 1,1,2,2-Tetrachloroethane	0.16	3.00	--- U
42. 1,2,3-Trichloropropane	0.06	1.00	--- U
43. 1,4-Dichlorobenzene	0.21	1.00	--- U
44. 1,2-Dichlorobenzene	0.13	5.00	--- U
45. 1,2-Dibromo-3-Chloropropane	0.26	13.00	--- U
46. Acrylonitrile	1.49	200.00	--- U
47. trans-1,4-Dichloro-2-Butene	0.14	100.00	--- U

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
Mr. ALLEN HARDISON
P.O. BOX 128
COVE CITY, NC 28523

CLIENT ID: 6035 E

ANALYST: MO
DATE COLLECTED: 10/28/08
DATE ANALYZED: 11/10/08
DATE REPORTED: 11/28/08

REVIEWED BY: _____

VOLATILE ORGANICS
EPA METHOD 8260B
SURROGATE RECOVERY RESULTS

Sample Name	Limits (% recovery)	1,2-DCA-d4 (% recovery)	Toluene-d8 (% recovery)	4-BFB (% recovery)
Continuing Calibration std.	70-130	90.8	97.1	97.4
Laboratory Control std.	70-130	96.5	97.3	99.7
Method Blank	70-130	103	102	99.3
Well #12 Shallow	70-130	102	99.9	99.5
Well #12 Deep	70-130	104	101	99.2
Well #13 Shallow	70-130	103	101	98.4
Well #13 Deep	70-130	105	101	101
Well #14R	70-130	103	100	100
Monitoring Well #7 M.S.	70-130	101	100	102
Monitoring Well #7 M.S.D.	70-130	102	101	99.5

Environment 1, Incorporated

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

CLIENT: CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
Mr. ALLEN HARDISON
P.O. BOX 128
COVE CITY, NC 28523

CLIENT ID: 6035 E

ANALYST: MO
DATE COLLECTED: 10/28/08
DATE ANALYZED: 11/11/08
DATE REPORTED: 11/28/08

REVIEWED BY: _____

VOLATILE ORGANICS
EPA METHOD 8260B
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS

Sample Spiked: Monitoring Well #7 (6035D)	Spike Amount Ug/l	Sample Result Ug/l	Spike Result Ug/l	Spike Recovery (70-130%)	Spike Dup. Result Ug/l	Spike Dup. Recovery (70-130%)	MS/MSD RPD (50%)
1,1-Dichloroethene	20.0	--- U	18.99	95.0	19.47	97.4	2.5
Benzene	20.0	--- U	19.75	98.8	20.43	102	3.4
Trichloroethene	20.0	--- U	18.24	91.2	18.82	94.1	3.1
Toluene	20.0	--- U	19.64	98.2	19.75	98.8	0.6
Chlorobenzene	20.0	--- U	18.26	91.3	18.99	95.0	3.9

LABORATORY CONTROL SAMPLE RESULTS

Sample Compound:	Spike Amount Ug/l	Spike Result Ug/l	Spike Recovery (70-130%)
1,1-Dichloroethene	20.0	19.35	96.8
Benzene	20.0	19.79	99.0
Trichloroethene	20.0	18.78	93.9
Toluene	20.0	19.84	99.2
Chlorobenzene	20.0	18.76	93.8

Environment 1, Inc.
P.O. Box 7085, 114 Oakmont Dr.
Greenville, NC 27858

Phone (252) 756-6208 • Fax (252) 756-0633

CHAIN OF CUSTODY RECORD

CLIENT: 6035 E **Week: 40**

CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
MR. ALLEN HARDISON
P.O. BOX 128
COVE CITY NC 28523

(252) 633-1564

DISINFECTION
- [ ] CHLORINE
- [ ] UV
- [ ] NONE
- [ ] _____

SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Field pH	Metals	Turbidity	Conductivity	Temperature	Field Parameter	EPA 8260B	8260 Dup. 1	8260 Dup. 2
							✓					✓	✓	✓
						P	P	P	P	P		G	G	G
						A	A	A	A	A		E	E	E
MW-12s	10 2808	1005		21	5	G	G	G	G	G	G	G	G	
Well #12 Deep	10 2808	1000		18	5	G	G	G	G	G	G	G	G	
Well #13 Shallow	10 2808	0945		18	5	G	G	G	G	G	G	G	G	
Well #13 Deep	10 2808	0950		19	5	G	G	G	G	G	G	G	G	
MW-14R	10 2808	0955		20	6	G	G	G	G	G	G	G	G	G

PARAMETERS

CHLORINE NEUTRALIZED AT COLLECTION

pH CHECK (LAB)

CONTAINER TYPE, P/G

CHEMICAL PRESERVATION

A - NONE D - NAOH
B - HNO_3 E - HCL
C - H_2SO_4 F - ZINC ACETATE
G - NA THIOSULFATE

CLASSIFICATION:
- [ ] WASTEWATER (NPDES)
- [ ] DRINKING WATER
- [ ] DWQ/GW
- [X] SOLID WASTE SECTION

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY
Y N

SAMPLES COLLECTED BY: (Please Print) [signature]

SAMPLES RECEIVED IN LAB AT 0.2 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
[signature]	10 2808 2pm	[signature]	10/28 2:pm
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:

Instructions for completing this form are on the reverse side.

Sampler must place a "C" for composite sample or a "G" for Grab sample in the blocks above for each parameter requested.

№ 168532

FORM #5

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

P.O. BOX 7085, 114 OAKMONT DRIVE
GREENVILLE, N.C. 27835-7085

PHONE (252) 756-6208
FAX (252) 756-0633

ID#: 6035 A

CRSWMA INTERIM REGIONAL LANDFILL
C/O COASTAL PARTNERSHIP
MR. ALLEN HARDISON
P.O. BOX 128
COVE CITY ,NC 28523

DATE COLLECTED: 12/23/08
DATE REPORTED : 01/09/09

REVIEWED BY:

PARAMETERS	MDL	Regional SWSL LF 5S		Analysis Date	Analyst	Method Code
Zinc, ug/l	4.46	10.0	86	01/09/09	ADD	SM3111B
Zinc, Total Dissolved, ug/l			33	01/09/09	ADD	SM3111B

RECEIVED JAN 13 2009

J = Between MDL and SWSL, U = Below ALL Quanititation Limits.

Environment 1, Inc.
P.O. Box 7085, 114 Oakmont Dr.
Greenville, NC 27858

Phone (252) 756-6208 • Fax (252) 756-0633

CHAIN OF CUSTODY RECORD

CLIENT: 6035 A

CRSWMA

RECEIVED JAN 13 2009

DISINFECTION
- ☐ CHLORINE
- ☐ UV
- ☐ NONE
- ☐ _____

SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	ZINC	DISSOLVED ZINC
RL 5S	122308	1430		12	2	G	G

CHLORINE NEUTRALIZED AT COLLECTION		
pH CHECK (LAB)	<2	<2
CONTAINER TYPE, P/G	P	P
CHEMICAL PRESERVATION	A	A

PARAMETERS

A - NONE
B - HNO_3
C - H_2SO_4
D - NAOH
E - HCL
F - ZINC ACETATE
G - NA THIOSULFATE

CLASSIFICATION:
- ☐ WASTEWATER (NPDES)
- ☐ DRINKING WATER
- ☐ DWQ/GW
- ☐ SOLID WASTE SECTION

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY
Y N

SAMPLES COLLECTED BY: (Please Print)

SAMPLES RECEIVED IN LAB AT 0.2 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
[signature]	122308	[signature]	12/23 3:35
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:
DISSOLVED ZINC ACIDIFIED AFTER FILTRATION

Instructions for completing this form are on the reverse side.

Sampler must place a "C" for composite sample or a "G" for Grab sample in the blocks above for each parameter requested.

№ 172619

FORM #5

Appendix 2 Statistical Analyses Worksheets

JEI Project: **CRSWMA - Tuscarora Landfill**
Project No: **618.08.01**
Sample Date: **28-Oct-08**

Analyte: **Barium**

Sample No.	Sample Date	Location	Concentration (ug/L)		Quantitation Limit (ug/L)
1	Jul-93	IRL-1S	268		50
2	Aug-93	IRL-1S	122		50
3	Sep-93	IRL-1S	113		50
4	Sep-93	IRL-1S	109		50
5	Apr-94	IRL-1S	73		50
6	Oct-94	IRL-1S	ND		500
7	Apr-95	IRL-1S	ND		500
8	Oct-95	IRL-1S	ND		500
9	Apr-96	IRL-1S	ND		500
10	Oct-96	IRL-1S	ND		500
11	Apr-97	IRL-1S	ND		500
12	Oct-97	IRL-1S	ND		500
13	Apr-98	IRL-1S	ND		500
14	Oct-98	IRL-1S	ND		500
15	Mar-99	IRL-1S	ND		500
16	Oct-99	IRL-1S	ND		500
17	Apr-00	IRL-1S	ND		500
18	Oct-00	IRL-1S	ND		500
19	Apr-01	IRL-1S	ND		500
20	Oct-01	IRL-1S	ND		500
21	Apr-02	IRL-1S	ND		500
22	Oct-02	IRL-1S	ND		500
23	Apr-03	IRL-1S	ND		500
24	Oct-03	IRL-1S	ND		500
25	15-Apr-04	IRL-1S	ND		500
26	14-Oct-04	IRL-1S	ND		500
27	5-Apr-05	IRL-1S	ND		500
28	27-Oct-05	IRL-1S	ND		500
29	21-Apr-06	IRL-1S	ND		500
30	12-Oct-06	IRL-1S	ND		500
31	26-Apr-07	IRL-1S	ND		100
32	10-Oct-07	IRL-1S	44.8	J	100.0
33	2-Apr-08	IRL-1S	72.9	J	100.0
34	28-Oct-08	IRL-1S	94.9	J	100.0
35	Jul-93	IRL-1D	343		50
36	Aug-93	IRL-1D	252		50
37	Sep-93	IRL-1D	105		50
38	Sep-93	IRL-1D	212		50
39	Apr-94	IRL-1D	131		50
40	Oct-94	IRL-1D	ND		500
41	Apr-95	IRL-1D	ND		500
42	Oct-95	IRL-1D	ND		500
43	Apr-96	IRL-1D	ND		500

44	27-Oct-05	IRL-1D	ND		500
45	21-Apr-06	IRL-1D	ND		500
46	12-Oct-06	IRL-1D	ND		500
47	26-Apr-07	IRL-1D	ND		100
48	10-Oct-07	IRL-1D	56.4	J	100.0
49	2-Apr-08	IRL-1D	33.4	J	100.0
50	28-Oct-08	IRL-1D	39.6	J	100.0
51	Oct-02	LST-5S	ND		500
52	Apr-03	LST-5S	ND		500
53	Oct-03	LST-5S	ND		500
54	15-Apr-04	LST-5S	ND		500
55	14-Oct-04	LST-5S	ND		500
56	5-Apr-05	LST-5S	ND		500
57	27-Oct-05	LST-5S	ND		500
58	21-Apr-06	LST-5S	ND		500
59	12-Oct-06	LST-5S	ND		500
60	26-Apr-07	LST-5S	ND		100
61	10-Oct-07	LST-5S	30.9	J	100.0
62	3-Apr-08	LST-5S	27.9	J	100.0
63	28-Oct-08	LST-5S	34	J	100.0
64	Jul-99	MW-7	869		500
65	Aug-99	MW-7	ND		500
66	Oct-99	MW-7	ND		500
67	Nov-99	MW-7	ND		500
68	Apr-00	MW-7	ND		500
69	Oct-00	MW-7	ND		500
70	Apr-01	MW-7	ND		500
71	Oct-01	MW-7	ND		500
72	Apr-02	MW-7	ND		500
73	Oct-02	MW-7	ND		500
74	Apr-03	MW-7	ND		500
75	Oct-03	MW-7	ND		500
76	15-Apr-04	MW-7	ND		500
77	14-Oct-04	MW-7	ND		500
78	Apr-02	MW-12S	ND		500
79	Oct-02	MW-12S	ND		500
80	Apr-03	MW-12S	ND		500
81	Oct-03	MW-12S	ND		500
82	15-Apr-04	MW-12S	ND		500
83	14-Oct-04	MW-12S	ND		500
84	5-Apr-05	MW-12S	ND		500
85	27-Oct-05	MW-12S	ND		500
86	21-Apr-06	MW-12S	ND		500
87	12-Oct-06	MW-12S	ND		500
88	26-Apr-07	MW-12S	ND		100
89	10-Oct-07	MW-12S	81.8	J	100.0
90	3-Apr-08	MW-12S	86.6	J	100.0
91	28-Oct-08	MW-12S	85.2	J	100.0
92	Apr-02	MW-12D	ND		500
93	Oct-02	MW-12D	ND		500
94	Apr-03	MW-12D	ND		500
95	Oct-03	MW-12D	ND		500

96	15-Apr-04	MW-12D	ND		500
97	14-Oct-04	MW-12D	ND		500
98	5-Apr-05	MW-12D	ND		500
99	27-Oct-05	MW-12D	ND		500
100	21-Apr-06	MW-12D	ND		500
101	12-Oct-06	MW-12D	ND		500
102	26-Apr-07	MW-12D	ND		100
103	10-Oct-07	MW-12D	47.4	J	100.0
104	3-Apr-08	MW-12D	36.7	J	100.0
105	28-Oct-08	MW-12D	30.9	J	100.0
106	15-Apr-04	MW-13S	ND		500
107	14-Oct-04	MW-13S	ND		500
108	5-Apr-05	MW-13S	ND		500
109	27-Oct-05	MW-13S	ND		500
110	15-Apr-04	MW-13D	ND		500
111	14-Oct-04	MW-13D	ND		500
112	5-Apr-05	MW-13D	ND		500
113	27-Oct-05	MW-13D	ND		500
114	15-Apr-04	MW-14	ND		500
115	14-Oct-04	MW-14	ND		500
116	5-Apr-05	MW-14	ND		500
117	27-Oct-05	MW-14	ND		500

Number of Data:	117
Number of Truncated Data:	91
Percentage of Truncated Data:	78%
Non-Parametric Prediction Limit:	**869**

- All concentrations in micrograms per liter (ug/L).

JEI Project: **CRSWMA - Tuscarora Landfill**
Project No: **618.08.01**
Sample Date: **28-Oct-08**

Analyte: **Beryllium**

Sample No.	Sample Date	Location	Concentration (ug/L)		Quantitation Limit (ug/L)
1	Jul-93	IRL-1S	3		1
2	Aug-93	IRL-1S	1		1
3	Sep-93	IRL-1S	1		1
4	Sep-93	IRL-1S	2		1
5	Apr-94	IRL-1S	ND		1
6	Oct-94	IRL-1S	ND		2
7	Apr-95	IRL-1S	ND		2
8	Oct-95	IRL-1S	ND		2
9	Apr-96	IRL-1S	ND		2
10	Oct-96	IRL-1S	ND		2
11	Apr-97	IRL-1S	3		2
12	Oct-97	IRL-1S	3		2
13	Apr-98	IRL-1S	ND		2
14	Oct-98	IRL-1S	2		2
15	Mar-99	IRL-1S	ND		2
16	Oct-99	IRL-1S	ND		2
17	Apr-00	IRL-1S	ND		2
18	Oct-00	IRL-1S	ND		2
19	Apr-01	IRL-1S	ND		2
20	Oct-01	IRL-1S	ND		2
21	Apr-02	IRL-1S	ND		2
22	Oct-02	IRL-1S	ND		2
23	Apr-03	IRL-1S	ND		2
24	Oct-03	IRL-1S	ND		2
25	15-Apr-04	IRL-1S	ND		2
26	14-Oct-04	IRL-1S	ND		2
27	5-Apr-05	IRL-1S	ND		2
28	27-Oct-05	IRL-1S	ND		2
29	21-Apr-06	IRL-1S	ND		2
30	12-Oct-06	IRL-1S	ND		2
31	26-Apr-07	IRL-1S	ND		1.0
32	10-Oct-07	IRL-1S	0.1	J	1.0
33	2-Apr-08	IRL-1S	0.4	J	1.0
34	28-Oct-08	IRL-1S	0.5	J	1.0
35	Jul-93	IRL-1D	1		1
36	Aug-93	IRL-1D	1		1
37	Sep-93	IRL-1D	ND		1
38	Sep-93	IRL-1D	3		1
39	Apr-94	IRL-1D	ND		1
40	Oct-94	IRL-1D	ND		2
41	Apr-95	IRL-1D	ND		2
42	Oct-95	IRL-1D	ND		2
43	Apr-96	IRL-1D	ND		2

44	27-Oct-05	IRL-1D	6		2
45	21-Apr-06	IRL-1D	ND		2
46	12-Oct-06	IRL-1D	ND		2
47	26-Apr-07	IRL-1D	ND		1.0
48	10-Oct-07	IRL-1D	ND		1.0
49	2-Apr-08	IRL-1D	0.1	J	1.0
50	28-Oct-08	IRL-1D	0.1	J	1.0
51	Oct-02	LST-5S	ND		2
52	Apr-03	LST-5S	ND		2
53	Oct-03	LST-5S	ND		2
54	15-Apr-04	LST-5S	ND		2
55	14-Oct-04	LST-5S	ND		2
56	5-Apr-05	LST-5S	ND		2
57	27-Oct-05	LST-5S	ND		2
58	21-Apr-06	LST-5S	ND		2
59	12-Oct-06	LST-5S	ND		2
60	26-Apr-07	LST-5S	ND		1.0
61	10-Oct-07	LST-5S	ND		1.0
62	3-Apr-08	LST-5S	ND		1.0
63	28-Oct-08	LST-5S	0.1	J	1.0
64	Jul-99	MW-7	5		2
65	Aug-99	MW-7	ND		2
66	Oct-99	MW-7	ND		2
67	Nov-99	MW-7	ND		2
68	Apr-00	MW-7	ND		2
69	Oct-00	MW-7	ND		2
70	Apr-01	MW-7	ND		2
71	Oct-01	MW-7	ND		2
72	Apr-02	MW-7	ND		2
73	Oct-02	MW-7	ND		2
74	Apr-03	MW-7	ND		2
75	Oct-03	MW-7	ND		2
76	15-Apr-04	MW-7	ND		2
77	14-Oct-04	MW-7	ND		2
78	Apr-02	MW-12S	ND		2
79	Oct-02	MW-12S	ND		2
80	Apr-03	MW-12S	ND		2
81	Oct-03	MW-12S	ND		2
82	15-Apr-04	MW-12S	ND		2
83	14-Oct-04	MW-12S	ND		2
84	5-Apr-05	MW-12S	ND		2
85	27-Oct-05	MW-12S	ND		2
86	21-Apr-06	MW-12S	ND		2
87	12-Oct-06	MW-12S	ND		2
88	26-Apr-07	MW-12S	ND		1.0
89	10-Oct-07	MW-12S	0.1	J	1.0
90	3-Apr-08	MW-12S	0.3	J	1.0
91	28-Oct-08	MW-12S	0.9	J	1.0
92	Apr-02	MW-12D	ND		2
93	Oct-02	MW-12D	ND		2
94	Apr-03	MW-12D	ND		2
95	Oct-03	MW-12D	ND		2

96	15-Apr-04	MW-12D	ND		2
97	14-Oct-04	MW-12D	ND		2
98	5-Apr-05	MW-12D	ND		2
99	27-Oct-05	MW-12D	ND		2
100	21-Apr-06	MW-12D	ND		2
101	12-Oct-06	MW-12D	ND		2
102	26-Apr-07	MW-12D	ND		1.0
103	10-Oct-07	MW-12D	ND		1.0
104	3-Apr-08	MW-12D	ND		1.0
105	28-Oct-08	MW-12D	0.1	J	1.0
106	15-Apr-04	MW-13S	ND		2
107	14-Oct-04	MW-13S	ND		2
108	5-Apr-05	MW-13S	ND		2
109	27-Oct-05	MW-13S	ND		2
110	15-Apr-04	MW-13D	ND		2
111	14-Oct-04	MW-13D	ND		2
112	5-Apr-05	MW-13D	ND		2
113	27-Oct-05	MW-13D	ND		2
114	15-Apr-04	MW-14	ND		2
115	14-Oct-04	MW-14	ND		2
116	5-Apr-05	MW-14	ND		2
117	27-Oct-05	MW-14	ND		2

Number of Data:	117
Number of Truncated Data:	95
Percentage of Truncated Data:	81%
Non-Parametric Prediction Limit:	**6**

- All concentrations in micrograms per liter (ug/L).

JEI Project: **CRSWMA - Tuscarora Landfill**
Project No: **618.08.01**
Sample Date: **28-Oct-08**

Analyte: **Lead**

Sample No.	Sample Date	Location	Concentration (ug/L)		Quantitation Limit (ug/L)
1	Jul-93	IRL-1S	32		5
2	Aug-93	IRL-1S	7		5
3	Sep-93	IRL-1S	14		5
4	Sep-93	IRL-1S	13		5
5	Apr-94	IRL-1S	11		5
6	Oct-94	IRL-1S	ND		10
7	Apr-95	IRL-1S	ND		10
8	Oct-95	IRL-1S	ND		10
9	Apr-96	IRL-1S	ND		10
10	Oct-96	IRL-1S	ND		10
11	Apr-97	IRL-1S	22		10
12	Oct-97	IRL-1S	ND		10
13	Apr-98	IRL-1S	12		10
14	Oct-98	IRL-1S	14		10
15	Mar-99	IRL-1S	21		10
16	Oct-99	IRL-1S	12		10
17	Apr-00	IRL-1S	38		10
18	Oct-00	IRL-1S	ND		10
19	Apr-01	IRL-1S	ND		10
20	Oct-01	IRL-1S	ND		10
21	Apr-02	IRL-1S	ND		10
22	Oct-02	IRL-1S	ND		10
23	Apr-03	IRL-1S	ND		10
24	Oct-03	IRL-1S	ND		10
25	15-Apr-04	IRL-1S	ND		10
26	14-Oct-04	IRL-1S	ND		10
27	5-Apr-05	IRL-1S	ND		10
28	27-Oct-05	IRL-1S	ND		10
29	21-Apr-06	IRL-1S	ND		10
30	12-Oct-06	IRL-1S	ND		10
31	26-Apr-07	IRL-1S	ND		10
32	10-Oct-07	IRL-1S	0.4	B	10.0
33	2-Apr-08	IRL-1S	1.4	J	10.0
34	28-Oct-08	IRL-1S	3.5	J	10.0
35	Jul-93	IRL-1D	6		5
36	Aug-93	IRL-1D	5		5
37	Sep-93	IRL-1D	9		5
38	Sep-93	IRL-1D	22		5
39	Apr-94	IRL-1D	ND		5
40	Oct-94	IRL-1D	ND		10
41	Apr-95	IRL-1D	ND		10
42	Oct-95	IRL-1D	ND		10
43	Apr-96	IRL-1D	ND		10

44	27-Oct-05	IRL-1D	31		10
45	21-Apr-06	IRL-1D	ND		10
46	12-Oct-06	IRL-1D	ND		10
47	26-Apr-07	IRL-1D	ND		10
48	10-Oct-07	IRL-1D	0.1	B	10.0
49	2-Apr-08	IRL-1D	0.1	J	10.0
50	28-Oct-08	IRL-1D	1.5	J	10.0
51	Oct-02	LST-5S	ND		10
52	Apr-03	LST-5S	ND		10
53	Oct-03	LST-5S	ND		10
54	15-Apr-04	LST-5S	ND		10
55	14-Oct-04	LST-5S	ND		10
56	5-Apr-05	LST-5S	ND		10
57	27-Oct-05	LST-5S	ND		10
58	21-Apr-06	LST-5S	ND		10
59	12-Oct-06	LST-5S	ND		10
60	26-Apr-07	LST-5S	ND		10
61	10-Oct-07	LST-5S	1.6	J	10.0
62	3-Apr-08	LST-5S	0.8	J	10.0
63	28-Oct-08	LST-5S	2.5	J	10.0
64	Jul-99	MW-7	129		10
65	Aug-99	MW-7	18		10
66	Oct-99	MW-7	12		10
67	Nov-99	MW-7	ND		10
68	Apr-00	MW-7	ND		10
69	Oct-00	MW-7	ND		10
70	Apr-01	MW-7	ND		10
71	Oct-01	MW-7	16		10
72	Apr-02	MW-7	21		10
73	Oct-02	MW-7	ND		10
74	Apr-03	MW-7	ND		10
75	Oct-03	MW-7	ND		10
76	15-Apr-04	MW-7	ND		10
77	14-Oct-04	MW-7	ND		10
78	Apr-02	MW-12S	ND		10
79	Oct-02	MW-12S	ND		10
80	Apr-03	MW-12S	ND		10
81	Oct-03	MW-12S	ND		10
82	15-Apr-04	MW-12S	ND		10
83	14-Oct-04	MW-12S	ND		10
84	5-Apr-05	MW-12S	ND		10
85	27-Oct-05	MW-12S	ND		10
86	21-Apr-06	MW-12S	ND		10
87	12-Oct-06	MW-12S	ND		10
88	26-Apr-07	MW-12S	ND		10
89	10-Oct-07	MW-12S	0.2	B	10.0
90	3-Apr-08	MW-12S	0.1	B	10.0
91	28-Oct-08	MW-12S	0.3	B	10.0
92	Apr-02	MW-12D	ND		10
93	Oct-02	MW-12D	ND		10
94	Apr-03	MW-12D	ND		10
95	Oct-03	MW-12D	ND		10
96	15-Apr-04	MW-12D	ND		10

97	14-Oct-04	MW-12D	ND		10
98	5-Apr-05	MW-12D	ND		10
99	27-Oct-05	MW-12D	ND		10
100	21-Apr-06	MW-12D	ND		10
101	12-Oct-06	MW-12D	ND		10
102	26-Apr-07	MW-12D	ND		10
103	10-Oct-07	MW-12D	ND		10.0
104	3-Apr-08	MW-12D	0.1	B	10.0
105	28-Oct-08	MW-12D	0.4	B	10.0
106	15-Apr-04	MW-13S	10		10
107	14-Oct-04	MW-13S	ND		10
108	5-Apr-05	MW-13S	ND		10
109	27-Oct-05	MW-13S	ND		10
110	15-Apr-04	MW-13D	ND		10
111	14-Oct-04	MW-13D	ND		10
112	5-Apr-05	MW-13D	ND		10
113	27-Oct-05	MW-13D	ND		10
114	15-Apr-04	MW-14	ND		10
115	14-Oct-04	MW-14	ND		10
116	5-Apr-05	MW-14	ND		10
117	27-Oct-05	MW-14	ND		10

Number of Data:	110
Number of Truncated Data:	82
Percentage of Truncated Data:	75%
Non-Parametric Prediction Limit:	**129**

- All concentrations in micrograms per liter (ug/L).
- Blank qualified data not used in statistical calculations.

JEI Project: **CRSWMA - Tuscarora Landfill**
Project No: **618.08.01**
Sample Date: **28-Oct-08**

Analyte: **Zinc**

Sample No.	Sample Date	Location	Concentration (ug/L)		Quantitation Limit (ug/L)
1	Jul-93	IRL-1S	42	B	10
2	Aug-93	IRL-1S	37		10
3	Sep-93	IRL-1S	31		10
4	Sep-93	IRL-1S	73		10
5	Apr-94	IRL-1S	36	B	10
6	Oct-94	IRL-1S	ND		50
7	Apr-95	IRL-1S	ND		50
8	Oct-95	IRL-1S	ND		50
9	Apr-96	IRL-1S	ND		50
10	Oct-96	IRL-1S	ND		50
11	Apr-97	IRL-1S	ND		50
12	Oct-97	IRL-1S	110		50
13	Apr-98	IRL-1S	ND		50
14	Oct-98	IRL-1S	ND		50
15	Mar-99	IRL-1S	ND		50
16	Oct-99	IRL-1S	ND		50
17	Apr-00	IRL-1S	90		50
18	Oct-00	IRL-1S	ND		50
19	Apr-01	IRL-1S	ND		50
20	Oct-01	IRL-1S	ND		50
21	Apr-02	IRL-1S	ND		50
22	Oct-02	IRL-1S	ND		50
23	Apr-03	IRL-1S	ND		50
24	Oct-03	IRL-1S	ND		50
25	15-Apr-04	IRL-1S	ND		50
26	14-Oct-04	IRL-1S	ND		50
27	5-Apr-05	IRL-1S	ND		50
28	27-Oct-05	IRL-1S	ND		50
29	21-Apr-06	IRL-1S	ND		50
30	12-Oct-06	IRL-1S	ND		50
31	26-Apr-07	IRL-1S	ND		10
32	10-Oct-07	IRL-1S	7.5	B	10.0
33	2-Apr-08	IRL-1S	5.5	B	10.0
34	28-Oct-08	IRL-1S	6.8	J	10.0
35	1-Jul-93	IRL-1D	41	B	10
36	1-Aug-93	IRL-1D	18		10
37	1-Sep-93	IRL-1D	20		10
38	1-Sep-93	IRL-1D	88		10
39	1-Apr-94	IRL-1D	19	B	10
40	1-Oct-94	IRL-1D	ND		50
41	1-Apr-95	IRL-1D	ND		50
42	1-Oct-95	IRL-1D	ND		50
43	1-Apr-96	IRL-1D	ND		50
44	27-Oct-05	IRL-1D	192		50

45	21-Apr-06	IRL-1D	ND		50
46	12-Oct-06	IRL-1D	ND		50
47	26-Apr-07	IRL-1D	ND		10
48	10-Oct-07	IRL-1D	5.3	B	10.0
49	2-Apr-08	IRL-1D	14	B	10.0
50	28-Oct-08	IRL-1D	6.6	J	10.0
51	3-Oct-02	LST-5S	ND		50
52	2-Apr-03	LST-5S	82		50
53	1-Oct-03	LST-5S	ND		50
54	15-Apr-04	LST-5S	ND		50
55	14-Oct-04	LST-5S	ND		50
56	5-Apr-05	LST-5S	55		50
57	27-Oct-05	LST-5S	ND		50
58	21-Apr-06	LST-5S	ND		50
59	12-Oct-06	LST-5S	ND		50
60	26-Apr-07	LST-5S	22		10
61	10-Oct-07	LST-5S	17	B	10.0
62	3-Apr-08	LST-5S	25	B	10.0
63	28-Oct-08	LST-5S	18		10.0
64	1-Jul-99	MW-7	113		50
65	1-Aug-99	MW-7	ND		50
66	1-Oct-99	MW-7	ND		50
67	1-Nov-99	MW-7	ND		50
68	1-Apr-00	MW-7	ND		50
69	1-Oct-00	MW-7	ND		50
70	1-Apr-01	MW-7	ND		50
71	1-Oct-01	MW-7	ND		50
72	2-Apr-02	MW-7	ND		50
73	3-Oct-02	MW-7	ND		50
74	2-Apr-03	MW-7	ND		50
75	3-Oct-03	MW-7	ND		50
76	15-Apr-04	MW-7	ND		50
77	14-Oct-04	MW-7	72		50
78	2-Apr-02	MW-12S	ND		50
79	3-Oct-02	MW-12S	ND		50
80	3-Apr-03	MW-12S	ND		50
81	3-Oct-03	MW-12S	11		50
82	15-Apr-04	MW-12S	ND		50
83	14-Oct-04	MW-12S	ND		50
84	5-Apr-05	MW-12S	ND		50
85	27-Oct-05	MW-12S	ND		50
86	21-Apr-06	MW-12S	ND		50
87	12-Oct-06	MW-12S	ND		50
88	26-Apr-07	MW-12S	16		10
89	10-Oct-07	MW-12S	22	B	10.0
90	3-Apr-08	MW-12S	26		10.0
91	28-Oct-08	MW-12S	20		10.0
92	2-Apr-02	MW-12D	ND		50
93	3-Oct-02	MW-12D	ND		50
94	3-Apr-03	MW-12D	ND		50
95	3-Oct-03	MW-12D	ND		50
96	15-Apr-04	MW-12D	ND		50
97	14-Oct-04	MW-12D	ND		50

98	5-Apr-05	MW-12D	ND		50
99	27-Oct-05	MW-12D	ND		50
100	21-Apr-06	MW-12D	ND		50
101	12-Oct-06	MW-12D	ND		50
102	26-Apr-07	MW-12D	ND		10
103	10-Oct-07	MW-12D	2.1	B	10.0
104	3-Apr-08	MW-12D	1.9	B	10.0
105	28-Oct-08	MW-12D	15		10.0
106	15-Apr-04	MW-13S	ND		50
107	14-Oct-04	MW-13S	ND		50
108	5-Apr-05	MW-13S	ND		50
109	27-Oct-05	MW-13S	ND		50
110	15-Apr-04	MW-13D	ND		50
111	14-Oct-04	MW-13D	ND		50
112	5-Apr-05	MW-13D	ND		50
113	27-Oct-05	MW-13D	ND		50
114	15-Apr-04	MW-14	ND		50
115	14-Oct-04	MW-14	ND		50
116	5-Apr-05	MW-14	ND		50
117	27-Oct-05	MW-14	ND		50

Number of Data:	117
Number of Truncated Data:	82
Percentage of Truncated Data:	70%
Non-Parametric Prediction Limit:	**192**

- All concentrations in micrograms per liter (ug/L).
- Blank qualified data not used in statistical calculations.