25-04 P0394 RCO 2242
25-09 P0972 RCO2243

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):

Received APR 2007 Waste Management

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 Landfills	7400 Old HWY 70 West New Bern, NC 28562	25-04 & 25-09	.1600	October 12, 2006

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.

Hannu Kemppinen — Facility Representative Name (Print)
Sr. Proj. Consultant — Title
336.323.0092 — (Area Code) Telephone Number

Hannu Kemppinen — Signature
March 27, 2007 — Date

Affix NC Licensed Professional Geologist Seal

NORTH CAROLINA LICENSED SEAL 1490 GEOLOGIST HANNU M. A. KEMPPINEN

Revised 10/2006

ENGINEERING, INC.

Waste Industry Experts

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March 26, 2007

Received
APR 2007
Waste Management

Mr. Ethan Brown
Division of Waste Management/Solid Waste Section
1646 Mail Service Center
Raleigh, NC 27699-1646

RE: CRSWMA's Tuscarora Regional Landfills
Second Semiannual Groundwater Monitoring Report of 2006
JEI Project No. 618.02, Task 15

Dear Ethan:

Enclosed please find one copy of the *Second Semiannual Groundwater Monitoring Report of 2006* for the Closed Interim Regional Landfill and the Long-Term Regional Landfill at the Coastal Regional Solid Waste Management Authority's facility. There were no organic constituents detected above laboratory reporting limits or at concentrations that represent statically significant increases over background in groundwater samples collected from the downgradient monitoring wells at the Closed Interim Regional Landfill. Zinc was detected in IRL-5S but not at concentrations considered to be statistically significant.

Organic constituents were not detected above laboratory reporting limits in groundwater samples collected from the downgradient monitoring wells at the Long-Term Regional Landfill. No inorganic constituents were detected at concentrations that represent statistically significant increases over background levels in samples collected from the compliance network at the Long-Term Regional Landfill during the October 2006 sampling event.

Chromium and zinc were detected in LST-3S at the Leachate Storage Lagoon Area, but not at concentrations considered to be statistically significant. No organic constituents were detected at quantifiable concentrations in the downgradient monitoring wells that were sampled at the Leachate Storage Lagoon Area.

The concentrations of organic and inorganic constituents reported from surface water points were below laboratory reporting limits. Please call me (336) 323-0092 if you have any questions or concerns regarding this report.

Sincerely,
JOYCE ENGINEERING, INC.

Jeremey J. Kerly
Staff Consultant

Enclosure

Cc: Allen Hardison – CRSWMA (2 copies)
File

Prepared for:

CRSWMA
P.O. Box 128
Cove City, North Carolina 28523

JEI Project Number 618.02, Task 15

SECOND SEMIANNUAL GROUNDWATER MONITORING REPORT OF 2006 COASTAL REGIONAL SOLID WASTE MANAGEMENT AUTHORITY LANDFILLS CRAVEN COUNTY, NORTH CAROLINA PERMIT NUMBERS 25-04 & 25-09

March 2007

Received
APR 2007
Waste Management

Prepared by:

JOYCE ENGINEERING, INC.

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Greensboro, North Carolina 27407
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Executive Summary

This report presents the results of semiannual groundwater and surface water monitoring that was conducted at the Coastal Regional Solid Waste Management Authority's Tuscarora Regional Landfill (MSWLF) in October 2006. Samples were collected from the compliance network for the Closed Interim Regional Landfill, the Long-Term Regional Landfill, and the Leachate Storage Lagoon area. Surface water samples were collected as required by the Groundwater Monitoring Plan prepared for the facility.

There were no statistically significant increases of inorganics over background levels during the October 2006 sampling event. No organic constituents were detected at quantifiable concentrations in groundwater samples collected from the downgradient monitoring wells at the Closed Interim Regional Landfill. Zinc was detected above the laboratory reporting limit in IRL-5S, but was not considered to be statistically significant. The results indicate that the Closed Interim Regional Landfill is in compliance with the water quality requirements.

No organic constituents were detected at concentrations that represent statistically significant increases over background in samples collected from the compliance network at the Long-Term Regional Landfill during the October 2006 sampling event. There were no statistically significant increases over background of any inorganic constituents during this event. The results are consistent with recent sampling events. The concentrations of chromium and zinc collected from Leachate Storage Lagoon Area monitoring well LST-3S were not considered to be statistically significant. No organic constituents were detected at quantifiable concentrations in downgradient monitoring wells for the Leachate Storage Lagoon Area.

Results from surface water samples collected in October 2006 reported no organic or inorganic analytes present in upstream or downstream sampling points.

SECOND SEMIANNUAL GROUNDWATER MONITORING REPORT OF 2006
COASTAL REGIONAL SOLID WASTE MANAGEMENT AUTHORITY LANDFILLS
CRAVEN COUNTY, NORTH CAROLINA

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SECOND SEMIANNUAL GROUNDWATER MONITORING REPORT OF 2006
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1.0 INTRODUCTION

This report presents the results of semiannual groundwater and surface water monitoring conducted at the Coastal Regional Solid Waste Management Authority's (CRSWMA's) Tuscarora Interim Regional Landfill and Long-Term Regional Landfill in April 2006. The landfills are located off of Old Highway 70, near the town of New Bern in Craven County.

The Closed Tuscarora Interim Regional Landfill was permitted in 1993 and stopped receiving waste in November 1999. As required by the North Carolina Division of Waste Management (DWM) Regulations and the Groundwater Monitoring Plan for the landfill, this report includes analytical results of the North Carolina Appendix I list of organic and inorganic constituents for Detection Monitoring, statistical evaluation of the analytical data, field water quality measurements, and estimates of groundwater flow directions in the vicinity of the closed landfill.

The Tuscarora Long-Term Regional Landfill began receiving waste after November 1999. As required by the NCSWMR and the Groundwater Monitoring Plan for the landfill, this report includes analytical results of the North Carolina Appendix I list of organic and inorganic constituents for Detection Monitoring, statistical evaluation of the laboratory analyses, field water quality measurements, and estimates of groundwater flow directions in the vicinity of the active Long-Term Regional Landfill. Also included in this report are the results from the facility leachate sampling, surface water sampling, and groundwater sampling from the leachate storage lagoon area located west of the Long-Term Regional Landfill. Dissolved zinc for well IRL-5S continues to be analyzed due to recent statistically significant increases, as requested by Larry Rose of the Solid Waste Section in September 2004. The October 2006 sampling event was the fourth event conducted under the new Groundwater Monitoring Plan that was approved as part of the Phase 2 Construction Plan Application in November 2004.

2.0 MONITORING PROGRAMS

Environment 1, Inc. personnel collected, preserved, and shipped the October 2006 groundwater, surface water, and leachate samples in accordance with the approved site Groundwater Monitoring Plan and North Carolina Division of Solid Waste Management technical guidance (DSWM, 1995). The groundwater monitoring wells and surface water sampling locations are shown on *Drawing No. 1*.

Groundwater programs for each of the landfills and the leachate storage system are discussed in the following sections. The surface water monitoring network for both landfills includes one upstream surface water sampling point (SWPT-1) and three downstream surface water monitoring points (SWPT-2, UD-1, and UD-2). Surface water samples are collected semiannually and are analyzed for the constituents listed in NCSWMR Appendix I.

2.1 Closed Interim Regional Landfill

Groundwater monitoring at the Closed Interim Regional Landfill is completed in accordance with NCSWMR §1633 (Detection Monitoring Program) and the 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 now.

2.2 Long-Term Regional Landfill

Groundwater monitoring at the Long-Term Regional Landfill is completed in accordance with NCSWMR §1633 (Detection Monitoring Program) and the 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 destroyed by facility equipment prior to the October 2006 sampling event. The fourth background sampling for MW-13S, MW-13D, and MW-14 was performed during the April 2005 event for NC Appendix I constituents. The monitoring wells were installed on April 18-23, 2003, to serve as downgradient wells for the Phase 2 expansion of the Long-Term Regional Landfill. Quality control samples, including a field blank and a trip blank, are collected during sampling events completed at the facility. Leachate is sampled and analyzed as part of the semiannual monitoring program at the facility for the required list of parameters.

2.3 Leachate Storage Lagoon Area

Groundwater monitoring at the Leachate Storage Lagoons is completed in accordance with NCSWMR §1633 (Detection Monitoring Program) and the 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.

2.4 Surface Water Sampling

Surface water monitoring at the Tuscarora Regional Landfill is completed in accordance with NCSWMR §1633 (Detection Monitoring Program) and the 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).

3.0 SAMPLING RESULTS

Environment 1, Inc. personnel collected the October 2006 groundwater and surface water samples. A leachate sample was not taken due the inability to retrieve a sample. In addition, Environment 1, Inc. personnel analyzed the October 2006 groundwater and surface water samples. Water quality indicator parameters pH, temperature, conductivity, and turbidity were measured in the field at the time of sample collection using portable field instruments. Results of the October 2006 sampling event are discussed in detail below.

3.1 Closed Interim Regional Landfill

The analytical results from the October 2006 groundwater sampling event at the Closed Interim Regional Landfill are summarized in the *Table 1* and field parameters are summarized on the *Table 2*. The results, as reported by the laboratory, the laboratory quality assurance/quality control information, and the chain of custody records are included in the *Laboratory Results* section.

3.2 Long-Term Regional Landfill

The analytical results from the October 2006 groundwater sampling event at the Long-Term Regional Landfill are summarized in the *Table 3* and field parameters are summarized on the *Table 4*. The results, as reported by the laboratory, the laboratory quality assurance/quality control information, and the chain of custody records are included in the *Laboratory Results* section.

3.3 Leachate Storage Lagoon Area

The analytical results from the October 2006 groundwater sampling event at the Leachate Storage Lagoon Area are summarized in the *Table 5* and field parameters are summarized on the *Table 6*. The results, as reported by the laboratory, the laboratory quality assurance/quality control information, and the chain of custody records are included in the *Laboratory Results* section.

3.4 Surface Water Sampling

The analytical results from the October 2006 surface water sampling event at the CRSWMA landfills are summarized in the *Table 7* and field parameters are summarized on the *Table 8*. The results, as reported by the laboratory, the laboratory quality assurance/quality control information, and the chain of custody records are included in the *Laboratory Results* section.

3.5 Leachate Sampling

During the October 2006 sampling event at the CRSWMA landfills, leachate samples were not recovered due to sediment build up that was present at the sampling point. This issue is currently being addressed.

4.0 HYDROGEOLOGY

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 9-11* summarize the groundwater elevations.

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 on *Drawing Nos. 1* and *2* were interpreted from the October 2006 water level measurements. Groundwater at the site flows predominantly from the northwest to the southeast for both aquifers.

Horizontal groundwater gradients were estimated based on October 2006 groundwater levels. The groundwater contours and the groundwater flow arrows were used to calculate hydraulic gradients for the site. The horizontal gradients estimated range from 0.0029 to 0.0057 ft/ft (*Table 12*) for the upper aquifer and 0.00073 to 0.00254 ft/ft (*Table 13*) 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 12* and *13*. 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 0.010 to 0.019 ft/day (*Table 12*) for the uppermost aquifer range and 0.016 to 0.055 ft/day (*Table 13*) 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 STATISTICAL PROCEDURES

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 Background Data

Monitoring wells IRL-1S and IRL-1D are designated as the background wells for the Closed Interim Regional Landfill. Monitoring wells MW-12S and MW-12D are designated as the background wells for the Long-Term Regional Landfill. All data collected from these wells have been included in the background data pool for this facility.

5.2 Statistical Methods

The data were evaluated using the Shapiro-Francia Test, Parametric Prediction Limits, Parametric Tolerance Intervals, Aitchison's Adjustment, Non-Parametric Prediction Limits, and Poisson Prediction Limits as appropriate. The statistical results are summarized in the *Statistical Analyses* section, and are discussed in Sections 6.1 and 6.2 of this report. Detailed results of each statistical analysis are also presented in the *Statistical Analyses* section. To clearly document these tests, individual tests are presented on each page. Background data are determined by tests for normality, outliers, Aitchison's adjustment, and/or parametric tolerance interval, as appropriate based on the data. For each set of data, all 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.

5.2.1 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.

5.2.2 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.

5.2.3 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).

5.2.4 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).

5.2.5 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).

5.2.6 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).

6.0 STATISTICAL RESULTS

Statistical comparisons of baseline monitoring data to compliance data are part of the required compliance demonstration (Rule .1632(g), (h), and (i)). The results of statistical analyses of the October 2006

sampling event are summarized in the *Statistical Analyses* section in tabular form. The results are discussed below.

6.1 Closed Interim Regional Landfill

6.1.1 Inorganic Statistical Results

Background concentrations were determined as discussed in Section 5.0 and detailed in the *Statistical Analyses* section. Zinc was detected above the laboratory reporting limit in IRL-5S during the October 2006 sampling event. This inorganic constituent was determined not to be present at a statistically significant concentration. Dissolved zinc for IRL-5S was reported above the laboratory reporting limit, at a concentration of 3,370 ug/L. The laboratory (Environment 1, Incorporated) was contacted concerning the detection and it was determined to be a possible error in sampling. The results, with the exception of dissolved zinc, are consistent with previous sampling events.

6.1.2 Organic Statistical Results

No organic constituents are considered to have been detected in any of the groundwater samples collected from upgradient wells during the background sampling events. Downgradient values were compared directly to the RL for each constituent in a non-statistical manner. Reported concentrations greater than the RL are considered to represent statistically significant increases over background. No NCSWMR Appendix I organic constituents were reported to be present in the downgradient compliance wells during the October 2006 sampling event.

6.2 Long-Term Regional Landfill

6.2.1 Inorganic Statistical Results

Background concentrations were determined as discussed in Section 5 and detailed in the *Statistical Analyses* section. There were no detected inorganic constituents during the October 2006 event.

6.2.2 Organic Statistical Results

No organic constituents are considered to have been detected in any of the groundwater samples collected from upgradient wells during the background sampling events. Downgradient values were compared directly to the RL for each constituent in a non-statistical manner. Reported concentrations greater than the RL are considered to represent statistically significant increases over background. No NCSWMR Appendix I organic constituents were reported to be present in the downgradient compliance wells during the October 2006 sampling event.

6.3 Leachate Storage Lagoon Area

6.3.1 Inorganic Statistical Results

Background concentrations were determined as discussed in Section 5 and detailed in the *Statistical Analyses* section. Chromium and Zinc were detected in LST-5S at quantified concentrations but were determined not to be statistically significant. There were no other detected inorganic constituents during the October 2006 event.

6.3.2 Organic Statistical Results

No organic constituents are considered to have been detected in any of the groundwater samples collected from upgradient wells during the background sampling events. Downgradient values were compared directly to the RL for each constituent in a non-statistical manner. Reported concentrations greater than the RL are considered to represent statistically significant increases over background. No NCSWMR Appendix I organic constituents were reported to be present in any of the downgradient compliance wells during the October 2006 sampling event.

7.0 DISCUSSION

7.1 Closed Interim Regional Landfill

No organic constituents were detected above laboratory reporting limits during this event or at concentrations that represent statistically significant increases over background, in samples collected from the compliance network at the Closed Interim Regional Landfill during the October 2006 sampling event. Zinc was detected above the laboratory reporting limit in IRL-5S at a concentration considered not to be a statistically significant increase.

Dissolved zinc was analyzed in IRL-5S for the October 2006 sampling event, as requested by Larry Rose of the Solid Waste Section, due to recent statistically significant increases over background. Dissolved zinc in IRL-5S was reported at a concentration of 3,370 ug/L. The dissolved zinc concentration is incorrect due to possible sampling errors as confirmed by the laboratory and does not reflect groundwater conditions. Dissolved zinc will be sampled for during the first semiannual event of 2007.

7.2 Long-Term Regional Landfill

No organic constituents were detected above the laboratory reporting limit in samples collected from the compliance network at the Long-Term Regional Landfill during the October 2006 sampling event. No inorganic constituents were detected above the laboratory reporting limit in the downgradient compliance wells during the October 2006 sampling event.

7.3 Leachate Storage Lagoon Area

No organic constituents were detected above laboratory reporting limits in the leachate storage area during the October 2006 sampling event. Chromium and Zinc were detected in LST-5S at quantified concentrations but were determined not to be statistically significant. There were no other detected inorganic constituents during the October 2006 event.

7.4 Surface Water Sampling

No organic or inorganic constituents were detected above laboratory reporting limits during the October 2006 sampling event.

CRSWMA Regional Landfill
Summary of Detected Constituents
October 2006 Sampling Event

Constituent	RL	Concentrations (µg/L)	
		IRL-5S	LST-3S
Chromium	10	ND	17
Zinc	50	172	68
Dissolve Zinc	50	3370*	-

Notes:
1. ND = Non-detect
2. - = Not analyzed
3. * = Determined by laboratory to be the result of an error in sampling.

TABLE I
SUMMARY OF DETECTED CONSTITUENTS
TUSCARORA INTERIM REGIONAL LANDFILL

Constituent (NC 2L in µg/L)	Date	Concentrations (µg/L)																
		RL	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
Arsenic [10]	Jul-93	5	11	8	ND	—	ND	ND	ND	ND	22	ND	34	11	ND	—	—	ND
	Aug-93	5	6	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	6	ND	—	—	ND
	Sep-93	5	ND	ND	ND	—	ND	ND	ND	ND	6	ND	ND	ND	ND	—	—	ND
	Sep-93	5	6	10	ND	—	ND	ND	ND	ND	168	ND	ND	ND	ND	—	—	ND
	Apr-94	5	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Oct-94	10	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Apr-95	10	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Oct-95	10	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Apr-96	10	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Oct-96	10	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	ND	—	—	—	ND
	Apr-97	10	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	ND	—	—	—	ND
	Oct-97	10	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	ND	—	—	—	ND
	Apr-98	10	ND	—	ND	—	—	ND	ND	ND	ND	10	—	14	—	—	—	ND
	Oct-98	10	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Mar-99	10	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Oct-99	10	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Apr-00	10	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Oct-00	10	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Apr-01	10	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Oct-01	10	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Apr-02	10	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Oct-02	10	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Apr-03	10	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Oct-03	10	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Apr-04	10	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Oct-04	10	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Apr-05	10	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Oct-05	10	ND	52	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Apr-06	10	ND	ND	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Oct-06	10	ND	ND	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
Barium [2000]	Jul-93	50	268	343	302		188	296	189	202	580	280	365	785	182	—	—	ND
	Aug-93	50	122	252	109		210	248	110	110	125	294	116	96	54	—	—	ND
	Sep-93	50	113	305	107	—	125	159	166	91	213	181	80	70	ND	—	—	ND
	Sep-93	50	109	212	152	—	204	200	145	143	—	250	137	75	87	—	—	ND
	Apr-94	50	73	131	97	—	113	83	86	103	65	309	73	ND	ND	—	—	ND
	Oct-94	500	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Apr-95	500	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Oct-95	500	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Apr-96	500	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Oct-96	500	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	ND	—	—	—	ND
	Apr-97	500	ND	—	ND	—	—	ND	ND	ND	ND	986	—	ND	—	—	—	ND
	Oct-97	500	ND	—	ND	—	—	ND	ND	ND	ND	1084	—	ND	—	—	—	ND
	Apr-98	500	ND	—	ND	—	—	ND	657	ND	515	971	—	ND	—	—	—	ND
	Oct-98	500	ND	—	ND	—	—	ND	ND	ND	ND	898	—	—	—	—	—	ND
	Mar-99	500	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Oct-99	500	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Apr-00	500	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Oct-00	500	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Apr-01	500	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Oct-01	500	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Apr-02	500	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Oct-02	500	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Apr-03	500	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Oct-03	500	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Apr-04	500	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Oct-04	500	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Apr-05	500	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Oct-05	500	ND	ND	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Apr-06	500	ND	ND	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Oct-06	500	ND	ND	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
Beryllium [2]*	Jul-93	1	3	1	ND		ND	ND	ND	2	ND	ND	8	4	ND	—	—	ND
	Aug-93	1	1	1	ND	—	1	ND	1	ND	1	ND	1	ND	ND	—	—	ND
	Sep-93	1	1	ND	ND	—	ND	ND	ND	ND	3	ND	ND	ND	ND	—	—	ND
	Sep-93	1	2	3	ND	—	ND	ND	2	ND	ND	ND	1	ND	ND	—	—	ND
	Apr-94	1	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Oct-94	2	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Apr-95	2	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Oct-95	2	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Apr-96	2	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Oct-96	2	ND	—	ND	—	—	ND	ND	ND	ND	3	—	ND	—	—	—	ND
	Apr-97	2	3	—	ND	—	—	ND	ND	ND	ND	ND	—	ND	—	—	—	ND
	Oct-97	2	3	—	ND	—	—	ND	ND	ND	2.5	ND	—	2	—	—	—	ND
	Apr-98	2	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Oct-98	2	2	—	ND	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Mar-99	2	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Oct-99	2	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Apr-00	2	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Oct-00	2	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Apr-01	2	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Oct-01	2	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Apr-02	2	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Oct-02	2	ND	—	—	6	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Apr-03	2	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Oct-03	2	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Apr-04	2	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Oct-04	2	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Apr-05	2	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Oct-05	2	ND	6	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Apr-06	2	ND	ND	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Oct-06	2	ND	ND	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND

TABLE 1
SUMMARY OF DETECTED CONSTITUENTS
TUSCARORA INTERIM REGIONAL LANDFILL

Constituent [NC 2L in µg/L]	Date	Concentrations (µg/L)																
		RL	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	Blank
Cadmium [1.75]	Jul-93	1	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Aug-93	1	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Sep-93	1	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Sep-93	1	ND	ND	ND	—	ND	ND	ND	ND	10	ND	ND	ND	ND	—	—	ND
	Apr-94	1	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Oct-94	1	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Apr-95	1	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Oct-95	1	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Apr-96	1	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Oct-96	1	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	ND	—	—	—	ND
	Apr-97	1	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	ND	—	—	—	ND
	Oct-97	1	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	ND	—	—	—	ND
	Apr-98	1	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	ND	—	—	—	ND
	Oct-98	1	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Mar-99	1	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Oct-99	1	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Apr-00	1	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Oct-00	1	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Apr-01	1	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Oct-01	1	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Apr-02	1	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Oct-02	1	1	—	—	ND	—	ND	ND	1	ND	ND	—	—	—	ND	ND	ND
	Apr-03	1	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Oct-03	1	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	1	ND	ND
	Apr-04	1	ND	—	—	3	—	1	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Oct-04	1	ND	—	—	2	—	ND	ND	ND	ND	1	—	—	—	ND	—	ND
	Apr-05	1	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Oct-05	1	ND	4	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Apr-06	1	ND	ND	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Oct-06	1	ND	ND	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
Chromium [50]	Jul-93	5	36	18	ND	—	ND	ND	16	ND	40	ND	90	44	6	—	—	ND
	Aug-93	5	14	8	ND	—	7	ND	6	ND	6	ND	18	ND	ND	—	—	ND
	Sep-93	5	11	11	ND	—	ND	ND	10	ND	15	ND	11	7	ND	—	—	ND
	Sep-93	5	19	43	ND	—	6	ND	22	ND	20	ND	21	6	ND	—	—	ND
	Apr-94	5	10	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Oct-94	10	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Apr-95	10	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Oct-95	10	13	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Apr-96	10	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	—	ND	—	—	—	ND
	Oct-96	10	39	—	ND	—	—	ND	ND	ND	ND	ND	—	ND	—	—	—	ND
	Apr-97	10	23	—	ND	—	—	ND	ND	ND	ND	ND	—	ND	—	—	—	ND
	Oct-97	10	50	—	ND	—	—	ND	ND	18	ND	ND	—	25	—	—	—	ND
	Apr-98	10	18	—	ND	—	—	22	ND	14	ND	ND	—	—	—	—	—	ND
	Oct-98	10	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Mar-99	10	58	—	ND	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Oct-99	10	21	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Apr-00	5	87	—	—	—	—	19	ND	18	ND	ND	—	—	—	—	—	ND
	Oct-00	10	21	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Apr-01	10	11	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Oct-01	10	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	12	ND	ND
	Apr-02	10	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Oct-02	10	15	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Apr-03	10	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Oct-03	10	12	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	10	ND	ND
	Apr-04	10	13	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Oct-04	10	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Apr-05	10	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Oct-05	10	ND	29	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Apr-06	10	ND	ND	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Oct-06	10	ND	ND	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
Cobalt [70]*	Jul-93	20	32	41	27	—	20	21	31	ND	93	29	118	45	23	—	—	ND
	Aug-93	20	26	27	23	—	40	33	32	27	33	50	30	22	25	—	—	ND
	Sep-93	20	22	21	ND	—	21	23	25	ND	38	36	32	ND	ND	—	—	ND
	Sep-93	20	ND	ND	ND	—	22	ND	ND	31	53	26	23	ND	ND	—	—	18
	Apr-94	10	27 B	22 B	27 B	—	41 B	35 B	39 B	27 B	41 B	53 B	34 B	20 B	ND	—	—	ND
	Oct-94	10	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Apr-95	10	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	37	—	—	ND
	Oct-95	10	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Apr-96	10	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Oct-96	10	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	ND	—	—	—	ND
	Apr-97	10	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	ND	—	—	—	ND
	Oct-97	10	20	—	ND	—	—	ND	ND	ND	ND	ND	—	ND	—	—	—	ND
	Apr-98	10	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	ND	—	—	—	ND
	Oct-98	10	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Mar-99	10	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Oct-99	10	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Apr-00	10	16	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Oct-00	10	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Apr-01	10	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Oct-01	10	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Apr-02	10	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Oct-02	10	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Apr-03	10	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Oct-03	10	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Apr-04	10	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Oct-04	10	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Apr-05	10	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Apr-06	10	ND	ND	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Oct-06	10	ND	ND	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND

TABLE 1
SUMMARY OF DETECTED CONSTITUENTS
TUSCARORA INTERIM REGIONAL LANDFILL

Constituent	Date	Concentrations (µg/L)															
[NC 2L in µg/L]		RL	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-4D	MW-A	MW-B	Blanks
Copper [1000]	Jul-93	10	38 B	25 B	22 B	—	29 B	30 B	29 B	24 B	63 B	23 B	34 B	35 B	22 B	—	—	17
	Aug-93	10	32 B	26 B	27 B	—	24 B	24 B	26 B	24 B	20 B	19 B	23 B	25 B	17 B	—	—	19
	Sep-93	10	22 B	24 B	27 B	—	22 B	19 B	24 B	22 B	29 B	34 B	26 B	25 B	27 B	—	—	11
	Sep-93	10	89 B	101 B	58 B	—	79 B	39 B	69 B	65 B	ND	53 B	62 B	53 B	54 B	—	—	39
	Apr-94	10	26 B	22 B	26 B	—	29 B	28 B	29 B	28 B	28 B	33 B	24 B	24 B	ND	—	—	21
	Oct-94	200	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Apr-95	200	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	24	—	—	ND
	Oct-95	200	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Apr-96	200	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Oct-96	200	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	ND	—	—	—	ND
	Apr-97	200	55	—	ND	—	—	ND	ND	ND	ND	ND	—	ND	—	—	—	ND
	Oct-97	200	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	ND	—	—	—	ND
	Apr-98	200	ND	—	11	—	—	ND	ND	ND	ND	ND	—	ND	—	—	—	ND
	Oct-98	200	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Mar-99	200	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Oct-99	200	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Apr-00	200	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Oct-00	200	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Apr-01	200	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Oct-01	200	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Apr-02	200	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Oct-02	200	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Apr-03	200	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Oct-03	200	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Apr-04	200	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Oct-04	200	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Apr-05	200	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Oct-05	200	ND	ND	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Apr-06	200	ND	ND	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Oct-06	200	ND	ND	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
Lead [15]	Jul-93	5	22	6	ND	—	ND	12	7	ND	30	ND	30	65	ND	—	—	ND
	Aug-93	5	7	5	6	—	10	ND	ND	7	ND	ND	12	8	5	—	—	ND
	Sep-93	5	14	9	ND	—	ND	ND	7	5	12	ND	ND	9	ND	—	—	ND
	Sep-93	5	13	22	ND	—	ND	ND	8	ND	21	ND	ND	7	ND	—	—	ND
	Apr-94	5	11	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Oct-94	10	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Apr-95	10	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Oct-95	10	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Apr-96	10	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Oct-96	10	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	ND	—	—	—	ND
	Apr-97	10	22	—	ND	—	—	ND	ND	ND	ND	ND	—	ND	—	—	—	ND
	Oct-97	10	ND	—	11	—	—	ND	ND	22	ND	ND	—	ND	—	—	—	ND
	Apr-98	10	12	—	ND	—	—	16	ND	ND	ND	ND	—	20	—	—	—	ND
	Oct-98	10	14	—	ND	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Mar-99	10	21	—	ND	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Oct-99	10	12	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Apr-00	10	38	—	—	—	—	ND	ND	14	ND	ND	—	—	—	—	—	ND
	Oct-00	10	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Apr-01	10	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Oct-01	10	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Apr-02	10	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Oct-02	10	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Apr-03	10	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Oct-03	10	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Apr-04	10	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Oct-04	10	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Apr-05	10	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Oct-05	10	ND	31	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Apr-06	10	ND	ND	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Oct-06	10	ND	ND	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
Nickel [100]	Jul-93	10	45	30	15	—	21	23	53	26	133	51	144	34	35	—	—	ND
	Aug-93	10	25 B	16 B	16 B	—	36 B	31 B	28 B	99	62	60	42 B	213	35 B	—	—	11
	Sep-93	10	25 B	28 B	33 B	—	22 B	20 B	28 B	27 B	53 B	48 B	42 B	36 B	24 B	—	—	17
	Sep-93	10	24	32	16	—	22	17	22	11	ND	20	21	ND	ND	—	—	ND
	Apr-94	10	34 B	38 B	36 B	—	54 B	53 B	57 B	45 B	40 B	50 B	27 B	ND	ND	—	—	20
	Oct-94	50	ND	ND	ND	—	ND	ND	ND	ND	ND	64	ND	ND	ND	—	—	ND
	Apr-95	50	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	17	—	—	ND
	Oct-95	50	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Apr-96	50	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Oct-96	50	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	ND	—	—	—	ND
	Apr-97	50	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	ND	—	—	—	ND
	Oct-97	50	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	ND	—	—	—	ND
	Apr-98	50	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	ND	—	—	—	ND
	Oct-98	50	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Mar-99	50	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Oct-99	50	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Apr-00	50	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Oct-00	50	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Apr-01	50	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Oct-01	50	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Apr-02	50	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Oct-02	50	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Apr-03	50	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Oct-03	50	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Apr-04	50	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Oct-04	50	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Apr-05	50	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Oct-05	50	ND	ND	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Apr-06	50	ND	ND	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Oct-06	50	ND	ND	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND

TABLE 1
SUMMARY OF DETECTED CONSTITUENTS
TUSCARORA INTERIM REGIONAL LANDFILL

Constituent	Date	Concentrations (µg/L)																
[NC 2L in µg/L]		RL	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
Vanadium	Jul-93	2000	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
[24.5]*	Aug-93	2000	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Sep-93	2000	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Sep-93	2000	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Apr-94	25	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Oct-94	40	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Apr-95	40	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Oct-95	40	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Apr-96	40	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Oct-96	40	ND	—	ND	—	—	48	ND	ND	ND	ND	—	ND	—	—	—	ND
	Apr-97	40	48	—	ND	—	—	48	ND	ND	ND	ND	—	ND	—	—	—	ND
	Oct-97	40	56	—	ND	—	—	ND	ND	ND	ND	ND	—	ND	—	—	—	ND
	Apr-98	40	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	ND	—	—	—	ND
	Oct-98	40	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Mar-99	40	63	—	ND	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Oct-99	40	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Apr-00	40	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Oct-00	40	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Apr-01	40	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	—	—	ND
	Oct-01	40	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Apr-02	40	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Oct-02	40	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Apr-03	40	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Oct-03	40	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Apr-04	40	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	ND	ND
	Oct-04	40	ND	—	—	ND	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Apr-05	40	ND	—	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Oct-05	40	ND	ND	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Apr-06	40	ND	ND	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
	Oct-06	40	ND	ND	—	—	—	ND	ND	ND	ND	ND	—	—	—	ND	—	ND
Zinc	Jul-93	10	42 B	41 B	10 B	—	15 B	11 B	43 B	14 B	293	ND	301	ND	25 B	—	—	10
[1050]	Aug-93	10	37	18	11	—	14	ND	ND	16	25	ND	64	12	21	—	—	ND
	Sep-93	10	31	20	ND	—	ND	ND	13	ND	57	ND	12	ND	ND	—	—	ND
	Sep-93	10	73	88	17	—	27	22	26	14	41	11	29	12	24	—	—	ND
	Apr-94	10	36 B	19 B	42 B	—	21 B	133	24 B	25 B	30 B	48 B	22 B	14 B	ND	—	—	20
	Oct-94	50	ND	ND	ND	—	ND	ND	ND	ND	ND	97	ND	ND	ND	—	—	ND
	Apr-95	50	ND	ND	ND	—	ND	ND	ND	ND	ND	803	ND	ND	25	—	—	ND
	Oct-95	50	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Apr-96	50	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND	—	—	ND
	Oct-96	50	ND	—	ND	—	—	ND	ND	ND	ND	ND	—	ND	—	—	—	ND
	Apr-97	50	ND	—	ND	—	—	ND	ND	ND	ND	1425	—	ND	—	—	—	ND
	Oct-97	50	110	—	ND	—	—	ND	ND	ND	ND	1240	—	ND	—	—	—	ND
	Apr-98	50	ND	—	ND	—	—	ND	ND	ND	ND	6140	—	ND	—	—	—	ND
	Oct-98	50	ND	—	ND	—	—	ND	ND	ND	ND	54	—	—	—	—	—	ND
	Mar-99	50	ND	—	ND	—	—	ND	ND	ND	ND	1608	—	—	—	—	—	ND
	Oct-99	50	ND	—	—	—	—	ND	ND	ND	ND	65	—	—	—	—	—	ND
	Apr-00	50	90	—	—	—	—	ND	ND	ND	ND	596	—	—	—	—	—	ND
	Oct-00	50	ND	—	—	—	—	ND	ND	ND	ND	74	—	—	—	—	—	ND
	Apr-01	50	ND	—	—	ND	—	ND	ND	ND	ND	1204	—	—	—	—	—	ND
	Oct-01	50	ND	—	—	ND	—	ND	ND	ND	ND	162	—	—	—	—	—	ND
	Apr-02	50	ND	—	—	ND	—	ND	ND	ND	ND	124	—	—	—	ND	ND	ND
	Oct-02	50	ND	—	—	ND	—	ND	ND	ND	ND	131	—	—	—	ND	ND	ND
	Apr-03	50	ND	—	—	ND	—	ND	ND	ND	ND	112	—	—	—	ND	ND	ND
	Oct-03	50	ND	—	—	ND	—	ND	ND	ND	ND	277	—	—	—	ND	ND	ND
	Apr-04	50	ND	—	—	ND	—	ND	ND	ND	ND	364	—	—	—	ND	ND	ND
	Oct-04	50	ND	—	—	ND	—	ND	ND	ND	ND	63	—	—	—	ND	ND	ND
	Apr-05	50	ND	—	—	—	—	ND	ND	ND	ND	132	—	—	—	—	—	ND
	Oct-05	50	ND	192	—	—	—	ND	ND	ND	ND	280	—	—	—	ND	—	ND
	Apr-06	50	ND	ND	—	—	—	ND	ND	ND	ND	76	—	—	—	ND	—	ND
	Oct-06	50	ND	ND	—	—	—	ND	ND	ND	ND	172	—	—	—	ND	—	ND

Notes:
1. All concentrations are in micrograms per liter (µg/L).
2. IRL = Interim Regional Landfill monitoring well
3. RL = laboratory reporting limit
4. ND = not detected above laboratory reporting limit (= NC PQL)
5. B = blank-qualified data; result is expected to be biased high based on concentrations in the blanks
6. Shaded values are above the NC 2L Drinking Water Standards.
7. * = proposed NC 2L Drinking Water Standard
8. Monitoring Well IRL-1D was sampled 12/15/05.

TABLE 2
SUMMARY OF FIELD PARAMETERS
TUSCARORA INTERIM REGIONAL LANDFILL

Field Parameters	Date	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 [uMhos]	Jun-93	1000	480	30	---	580	430	520	370	600	800	590	310	460	---	---
	Aug-93	59	240	110	---	360	370	300	240	330	600	290	110	260	---	---
	Sep-93	75	300	150	---	530	420	450	250	460	880	400	150	400	---	---
	Sep-93	74	280	150	---	520	360	440	270	460	860	360	130	390	---	---
	Apr-94	76	350	140	---	570	360	620	290	560	990	460	77	460	---	---
	Oct-94	130	280	130	---	820	570	820	270	730	1000	82	82	420	---	---
	Apr-95	67	360	160	---	560	240	670	290	520	1900	490	69	450	---	---
	Oct-95	65	270	260	---	660	260	700	330	520	1300	480	75	450	---	---
	Apr-96	79	360	340	---	580	700	320	290	520	1500	450	77	440	---	---
	Oct-96	63	---	---	---	---	410	530	250	400	1000	---	87	---	---	---
	Apr-97	80	---	640	---	---	330	690	270	530	1800	---	---	---	---	---
	Oct-97	84	---	630	---	---	720	270	270	490	1200	---	---	---	---	---
	Apr-98	73	---	700	---	---	360	770	240	520	1400	---	110	---	---	---
	Oct-98	74	---	600	---	---	480	750	230	490	1200	---	---	---	---	---
	Mar-99	77	---	810	---	---	880	760	760	520	1200	---	---	---	---	---
	Oct-99	74	---	---	---	---	960	710	490	490	800	---	---	---	---	---
	Apr-00	74	---	---	---	---	1100	1400	370	500	900	---	---	---	---	---
	Oct-00	76	---	---	---	---	1100	720	230	500	900	---	---	---	---	---
	Apr-01	67	---	---	64	---	1100	710	190	470	840	---	---	---	---	---
	Oct-01	74	---	---	170	---	1000	710	200	500	1700	---	---	---	---	---
	Apr-02	68	---	---	120	---	950	710	200	430	1700	---	---	---	90	120
	Oct-02	19	---	---	448	---	970	830	192	550	1848	---	---	---	98	132
	Apr-03	100	---	---	329	---	1082	804	215	486	1024	---	---	---	86	157
	Oct-03	96	---	---	182	---	1110	849	205	506	1393	---	---	---	81	180
	Apr-04	64	---	---	120	---	700	600	170	360	990	---	---	---	56	100
	Oct-04	99	---	---	183	---	775	712	239	482	1188	---	---	---	86	123
	Apr-05	96	---	---	---	---	1033	942	287	601	1491	---	---	---	89	---
	Oct-05	105	195	---	---	---	876	775	250	502	1323	---	---	---	91	---
	Apr-06	104	231	---	---	---	927	736	271	553	1424	---	---	---	79	---
	Oct-06	101	164	---	---	---	784	672	278	515	126	---	---	---	87	---
pH [units]	Jun-93	5.3	6.3	6.1	---	6.2	5.4	6.3	5.7	6.1	6	6.4	5.8	6.2	---	---
	Aug-93	5.5	6.5	6.3	---	6.8	6	6.8	6.4	6.9	6.2	6.8	6.3	7	---	---
	Sep-93	5.9	6.6	5.7	---	6.5	5.9	6.5	6.7	7	6.1	6.6	6.5	6.7	---	---
	Sep-93	6.1	6.5	5.8	---	6.1	5.9	6.5	5.7	6.3	6.4	6.9	6.6	6.6	---	---
	Apr-94	5.9	6.1	5.4	---	6.4	5.7	6.5	6.2	6.7	6.4	6.8	6.4	6.7	---	---
	Oct-94	5.2	6.4	5.2	---	6.7	5.7	6.7	6	6.8	6.2	7	5.5	6.8	---	---
	Apr-95	5.7	6.1	5.5	---	6.4	6	6.2	6.2	6.6	6.2	3.8	6.2	6.6	---	---
	Oct-95	5	6.4	5.6	---	6.7	5.4	6.6	5.9	6.8	6.2	6.9	5.3	7	---	---
	Apr-96	5	6.3	5.8	---	6.6	6.7	6	6.1	6.7	6.4	7	5.5	6.6	---	---
	Oct-96	5.2	---	---	---	---	6	6	6.4	6.4	5.8	---	6	---	---	---
	Apr-97	6.1	---	6.3	---	---	6.2	6.5	6.1	6.6	6.2	---	---	---	---	---
	Oct-97	5.3	---	5.8	---	---	5.9	5.6	5.6	6.1	5.8	---	---	---	---	---
	Apr-98	5.8	---	6.5	---	---	5.4	6.4	5.6	6.8	6.1	---	5.2	---	---	---
	Oct-98	5.5	---	6.1	---	---	5.6	6.3	5.7	6.7	6	---	---	---	---	---
	Mar-99	5.2	---	6.3	---	---	5.7	6.5	6.0	6.7	6	---	---	---	---	---
	Oct-99	4.9	---	---	---	---	5.9	6.4	6.8	6.8	5.7	---	---	---	---	---
	Apr-00	5.2	---	---	---	---	5.8	6.4	5.7	6.9	5.8	---	---	---	---	---
	Oct-00	4.8	---	---	---	---	5.7	6.4	5.5	6.6	5.2	---	---	---	---	---
	Apr-01	4.9	---	---	4.8	---	5.6	6.5	5.4	6.6	5.5	---	---	---	---	---
	Oct-01	5	---	---	4.9	---	5.8	6.6	5.6	6.9	6.1	---	---	---	---	---
	Apr-02	4.7	---	---	4.3	---	5.7	6.3	5.3	6.4	6.0	---	---	---	5.2	4.5
	Oct-02	5.1	---	---	4.1	---	6.0	6.4	5.3	7.0	6.1	---	---	---	5.2	4.7
	Apr-03	5.1	---	---	4.3	---	6.1	6.5	5.3	6.8	5.8	---	---	---	5.2	4.7
	Oct-03	4.8	---	---	4.3	---	5.8	6.3	5.1	6.7	5.9	---	---	---	5.0	4.8
	Apr-04	5.3	---	---	4.4	---	6.4	5.6	5.8	6.8	6.4	---	---	---	5.4	5.8
	Oct-04	4.9	---	---	4.4	---	6.1	6.5	5.3	6.9	6.1	---	---	---	4.9	4.8
	Apr-05	5.1	---	---	---	---	6.3	6.7	5.2	7.0	6.1	---	---	---	5.1	---
	Oct-05	4.9	6.6	---	---	---	6	6.5	5.1	6.9	6.2	---	---	---	5.1	---
	Apr-06	5.0	6.3	---	---	---	6.2	7.0	5.4	7.9	6.0	---	---	---	5.0	---
	Oct-06	5.0	6.1	---	---	---	6.2	6.6	5.1	6.8	6.1	---	---	---	5.2	---

TABLE 2
SUMMARY OF FIELD PARAMETERS
TUSCARORA INTERIM REGIONAL LANDFILL

Field Parameters	Date	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	---	20	23	22	23	21	23	21	22	21	---	---
[°C]	Aug-93	23	20	22	---	21	22	22	23	20	24	21	23	20	---	---
	Sep-93	23	20	24	---	20	25	20	24	20	25	20	24	21	---	---
	Sep-93	23	21	24	---	21	24	21	23	20	24	22	24	21	---	---
	Apr-94	18	18	17	---	17	16	16	15	16	16	16	15	15	---	---
	Oct-94	21	18	21	---	20	21	19	21	19	21	20	21	20	---	---
	Apr-95	15	15	15	---	17	16	16	16	16	16	16	15	16	---	---
	Oct-95	22	20	22	---	20	22	20	22	22	22	21	22	20	---	---
	Apr-96	12	13	13	---	14	13	13	13	13	13	14	12	12	---	---
	Oct-96	20	---	---	---	---	22	22	22	22	22	---	22	---	---	---
	Apr-97	13	---	14	---	---	15	14	15	15	14	---	---	---	---	---
	Oct-97	18	---	21	---	---	17	19	19	18	20	---	---	---	---	---
	Apr-98	15	---	16	---	---	15	16	15	17	15	---	15	---	---	---
	Oct-98	19	---	21	---	---	21	19	21	20	21	---	---	---	---	---
	Mar-99	12	---	16	---	---	17	17	17	18	17	---	---	---	---	---
	Oct-99	21	---	---	---	---	20	20	21	21	21	---	---	---	---	---
	Apr-00	15	---	---	---	---	15	17	19	18	15	---	---	---	---	---
	Oct-00	18	---	---	---	---	18	20	21	20	16	---	---	---	---	---
	Apr-01	15	---	---	15	---	18	17	16	15	15	---	---	---	---	---
	Oct-01	19	---	---	20	---	20	20	21	21	21	---	---	---	---	---
	Apr-02	15	---	---	16	---	15	15	16	17	17	---	---	---	17	16
	Oct-02	24	---	---	26	---	23	22	24	23	24	---	---	---	25	25
	Apr-03	15	---	---	17	---	16	16	15	16	17	---	---	---	16	16
	Oct-03	20	---	---	21	---	21	20	21	22	21	---	---	---	21	21
	Apr-04	13	---	---	14	---	13	13	14	14	15	---	---	---	13	13
	Oct-04	20	---	---	21	---	21	21	22	22	22	---	---	---	21	21
	Apr-05	15	---	---	---	---	15	15	15	15	15	---	---	---	15	---
	Oct-05	20	17	---	---	---	22	22	23	23	23	---	---	---	21	---
	Apr-06	20	18	---	---	---	14	16	15	15	18	---	---	---	18	---
	Oct-06	20	18	---	---	---	22	19	23	21	23	---	---	---	21	---
Turbidity	Jun-93	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
[NTU]	Aug-93	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Sep-93	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Sep-93	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Apr-94	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Oct-94	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Apr-95	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Oct-95	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Apr-96	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Oct-96	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Apr-97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Oct-97	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Apr-98	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	Oct-98	---	---	130	---	---	60	180	220	190	650	---	---	---	---	---
	Mar-99	650	---	290	---	---	85	180	180	270	95	---	---	---	---	---
	Oct-99	600	---	---	---	---	10	23	17	17	5.9	---	---	---	---	---
	Apr-00	170	---	---	---	---	18	40	33	40	13	---	---	---	---	---
	Oct-00	700	---	---	---	---	31	90	7.1	34	21	---	---	---	---	---
	Apr-01	140	---	---	50	---	21	60	12	27	10	---	---	---	---	---
	Oct-01	106	---	---	68	---	74	139	34	18	26	---	---	---	---	---
	Apr-02	90	---	---	12	---	40	35	5.3	25	19	---	---	---	140	5.9
	Oct-02	280	---	---	19	---	45	100	9.2	38	100	---	---	---	75	4.0
	Apr-03	90	---	---	6.9	---	45	110	9.4	39	27	---	---	---	110	8.8
	Oct-03	65	---	---	13	---	31	30	19	60	55	---	---	---	160	40
	Apr-04	200	---	---	100	---	45	35	37	32	36	---	---	---	110	13
	Oct-04	75	---	---	13	---	85	80	8.9	240	80	---	---	---	95	5.9
	Apr-05	100	---	---	---	---	40	18	13	25	32	---	---	---	75	---
	Oct-05	90	>1000	---	---	---	22	29	14	36	19	---	---	---	85	---
	Apr-06	8.9	14	---	---	---	5.5	32	7.3	53	25	---	---	---	4.1	---
	Oct-06	5.1	40	---	---	---	21	140	1.6	37	170	---	---	---	20	---

Notes:
1. --- = not available
2. Monitoring Wells IRL-6S and IRL-6D were abandoned prior to the October 1998 sampling event.
3. Monitoring Well IRL-1D was sampled 12/15/05.

TABLE 3
SUMMARY OF DETECTED CONSTITUENTS
TUSCARORA LONG-TERM REGIONAL LANDFILL

Constituent [NC 2L in µg/L]	Date	Concentrations (µg/L)												
		RL	MW-7	MW-8	MW-9	MW-10	MW-11S	MW-11D	MW-12S	MW-12D	MW-13S	MW-13D	MW-14	Blanks
Antimony [1.4]*	Jul-99	30	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Aug-99	30	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Oct-99	30	ND	ND	40	ND	ND	ND	---	---	---	---	---	ND
	Nov-99	30	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Apr-00	30	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Oct-00	30	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Apr-01	30	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Oct-01	30	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Apr-02	30	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Oct-02	30	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Apr-03	30	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Oct-03	30	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Apr-04	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-04	30	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-05	30	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-05	30	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-06	30	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-06	30	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	---	ND
Arsenic [10]	Jul-99	10	37	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Aug-99	10	13	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Oct-99	10	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Nov-99	10	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Apr-00	10	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Oct-00	10	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Apr-01	10	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Oct-01	10	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Apr-02	10	10	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Oct-02	10	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Apr-03	10	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Oct-03	10	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Apr-04	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-04	10	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-05	10	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-05	10	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-06	10	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-06	10	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	---	ND
Barium [2000]	Jul-99	500	869	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Aug-99	500	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Oct-99	500	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Nov-99	500	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Apr-00	500	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Oct-00	500	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Apr-01	500	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Oct-01	500	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Apr-02	500	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Oct-02	500	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Apr-03	500	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Oct-03	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-04	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-04	500	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-05	500	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-05	500	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-06	500	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-06	500	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	---	ND

TABLE 3
SUMMARY OF DETECTED CONSTITUENTS
TUSCARORA LONG-TERM REGIONAL LANDFILL

Constituent [NC 2L in µg/L]	Date	Concentrations (µg/L)												
		RL	MW-7	MW-8	MW-9	MW-10	MW-11S	MW-11D	MW-12S	MW-12D	MW-13S	MW-13D	MW-14	Blanks
Beryllium [2]*	Jul-99	2	5	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Aug-99	2	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Oct-99	2	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Nov-99	2	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Apr-00	2	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Oct-00	2	ND	ND	6	ND	ND	ND	---	---	---	---	---	ND
	Apr-01	2	ND	ND	5	ND	ND	ND	---	---	---	---	---	ND
	Oct-01	2	ND	2	9	ND	ND	ND	---	---	---	---	---	ND
	Apr-02	2	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Oct-02	2	ND	ND	3	ND	ND	ND	ND	ND	---	---	---	ND
	Apr-03	2	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Oct-03	2	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Apr-04	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-04	2	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-05	2	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-05	2	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-06	2	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-06	2	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	---	ND
Cadmium [1.75]	Jul-99	1	1	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Aug-99	1	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Oct-99	1	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Nov-99	1	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Apr-00	1	ND	ND	ND	1	ND	ND	---	---	---	---	---	ND
	Oct-00	1	ND	ND	2	ND	ND	ND	---	---	---	---	---	ND
	Apr-01	1	ND	ND	3	ND	ND	ND	---	---	---	---	---	ND
	Oct-01	1	ND	ND	2	ND	ND	ND	---	---	---	---	---	ND
	Apr-02	1	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Oct-02	1	1	ND	2	ND	ND	ND	ND	ND	---	---	---	ND
	Apr-03	1	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Oct-03	1	ND	ND	ND	1	ND	ND	ND	ND	---	---	---	ND
	Apr-04	1	ND	ND	ND	3	3	ND	ND	2	ND	ND	ND	ND
	Oct-04	1	ND	ND	---	ND	ND	ND	ND	ND	ND	1	ND	ND
	Apr-05	1	1	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-05	1	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-06	1	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-06	1	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	---	ND
Chromium [50]	Jul-99	10	112	35	ND	ND	ND	ND	---	---	---	---	---	ND
	Aug-99	10	29	38	10	ND	23	ND	---	---	---	---	---	ND
	Oct-99	1	14	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Nov-99	10	22	36	ND	ND	ND	ND	---	---	---	---	---	ND
	Apr-00	10	11	43	37	ND	24	ND	---	---	---	---	---	ND
	Oct-00	10	16	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Apr-01	10	11	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Oct-01	10	38	65	ND	ND	39	ND	---	---	---	---	---	ND
	Apr-02	10	43	12	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Oct-02	10	15	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Apr-03	10	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Oct-03	10	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Apr-04	10	18	ND	ND	ND	ND	ND	ND	ND	17	ND	ND	ND
	Oct-04	10	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-05	10	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-05	10	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-06	10	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-06	10	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	---	ND

TABLE 3
SUMMARY OF DETECTED CONSTITUENTS
TUSCARORA LONG-TERM REGIONAL LANDFILL

Constituent [NC 2L in µg/L]	Date	Concentrations (µg/L)												
		RL	MW-7	MW-8	MW-9	MW-10	MW-11S	MW-11D	MW-12S	MW-12D	MW-13S	MW-13D	MW-14	Blanks
Cobalt	Jul-99	10	13	24	ND	ND	ND	ND	---	---	---	---	---	ND
[70]*	Aug-99	10	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Oct-99	10	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Nov-99	10	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Apr-00	10	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Oct-00	10	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Apr-01	10	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Oct-01	10	ND	ND	12	ND	ND	ND	---	---	---	---	---	ND
	Apr-02	10	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Oct-02	10	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Apr-03	10	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Oct-03	10	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Apr-04	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-04	10	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-05	10	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-05	10	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-06	10	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-06	10	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	---	ND
Copper	Jul-99	200	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
[1000]	Aug-99	10	10	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Oct-99	200	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Nov-99	200	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Apr-00	200	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Oct-00	200	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Apr-01	200	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Oct-01	200	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Apr-02	200	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Oct-02	200	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Apr-03	200	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Oct-03	200	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Apr-04	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-04	200	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-05	200	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-05	200	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-06	200	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-06	200	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	---	ND
Lead	Jul-99	10	129	ND	ND	ND	ND	ND	---	---	---	---	---	ND
[15]	Aug-99	10	18	14	ND	ND	17	ND	---	---	---	---	---	ND
	Oct-99	10	12	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Nov-99	10	ND	14	ND	ND	ND	ND	---	---	---	---	---	ND
	Apr-00	10	ND	17	14	ND	15	ND	---	---	---	---	---	ND
	Oct-00	10	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Apr-01	10	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Oct-01	10	16	19	ND	ND	18	ND	---	---	---	---	---	ND
	Apr-02	10	21	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Oct-02	10	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Apr-03	10	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Oct-03	10	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Apr-04	10	ND	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	ND
	Oct-04	10	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-05	10	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-05	10	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-06	10	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-06	10	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	---	ND

TABLE 3
SUMMARY OF DETECTED CONSTITUENTS
TUSCARORA LONG-TERM REGIONAL LANDFILL

Constituent [NC 2L in µg/L]	Date	Concentrations (µg/L)												
		RL	MW-7	MW-8	MW-9	MW-10	MW-11S	MW-11D	MW-12S	MW-12D	MW-13S	MW-13D	MW-14	Blanks
Vanadium [24.5]*	Jul-99	40	167	52	ND	ND	ND	ND	---	---	---	---	---	ND
	Aug-99	40	41	47	ND	ND	ND	ND	---	---	---	---	---	ND
	Oct-99	40	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Nov-99	40	ND	47	ND	ND	ND	ND	---	---	---	---	---	ND
	Apr-00	40	ND	57	43	ND	ND	ND	---	---	---	---	---	ND
	Oct-00	40	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Apr-01	40	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Oct-01	40	55	83	ND	ND	64	ND	---	---	---	---	---	ND
	Apr-02	40	67	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Oct-02	40	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Apr-03	40	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Oct-03	40	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Apr-04	40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-04	40	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-05	40	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-05	40	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-06	40	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-06	40	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	---	ND
Zinc [1050]	Jul-99	50	113	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Aug-99	50	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Oct-99	50	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Nov-99	50	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Apr-00	50	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Oct-00	50	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Apr-01	50	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Oct-01	50	ND	ND	ND	ND	ND	ND	---	---	---	---	---	ND
	Apr-02	50	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Oct-02	50	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Apr-03	50	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---	ND
	Oct-03	50	ND	ND	ND	ND	ND	ND	11	ND	---	---	---	ND
	Apr-04	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-04	50	72	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-05	50	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-05	50	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-06	50	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-06	50	ND	ND	---	ND	ND	ND	ND	ND	ND	ND	---	ND

Notes:
1. All concentrations are in micrograms per liter (µg/L).
2. MW = groundwater monitoring well
3. RL = laboratory reporting limit
4. ND = not detected above laboratory reporting limit (= NC PQL)
5. Shaded values are above the NC 2L Drinking Water Standards.
6. * = proposed NC 2L Drinking Water Standard
7. The April 2002 through October 2004 results for MW-12S and MW-12D are background data.
8. The April 2004 through October 2004 results for MW-13S, MW-13D, and MW-14 are background data.
9. Monitoring well MW-9 was abandoned on July 15, 2004.
10. --- = not available
11. MW-14 was accidentally destroyed after the April 2006 monitoring event.

TABLE 4
SUMMARY OF FIELD PARAMETERS
TUSCARORA LONG-TERM REGIONAL LANDFILL

Field Parameters	Date	MW-7	MW-8	MW-9	MW-10	MW-11S	MW-11D	MW-12S	MW-12D	MW-13S	MW-13D	MW-14
Conductivity [uMhos]	Jul-99	180	110	520	150	200	440	—	—	—	—	—
	Aug-99	210	100	580	200	170	450	—	—	—	—	—
	Oct-99	140	89	2000	150	200	420	—	—	—	—	—
	Nov-99	140	91	1600	150	270	430	—	—	—	—	—
	Apr-00	150	88	1800	140	270	420	—	—	—	—	—
	Oct-00	140	92	1200	130	30	410	—	—	—	—	—
	Apr-01	140	88	1300	120	290	390	—	—	—	—	—
	Oct-01	140	98	1200	120	250	410	—	—	—	—	—
	Apr-02	140	82	1600	110	290	370	160	460	—	—	—
	Oct-02	356	93	1650	132	288	500	153	478	—	—	—
	Apr-03	482	169	1857	167	406	440	164	448	—	—	—
	Oct-03	373	76	1497	144	411	426	146	434	—	—	—
	Apr-04	220	57	960	87	290	300	170	300	79	280	56
	Oct-04	272	70	—	121	344	406	189	405	127	391	79
	Apr-05	299	67	—	140	417	496	146	489	99	475	95
	Oct-05	234	63	—	125	353	430	144	419	114	396	138
	Apr-06	216	64	—	147	406	469	184	465	121	434	69
	Oct-06	245	59	—	130	358	448	182	448	109	416	—
pH [units]	Jul-99	5.7	5.4	5.1	5.6	6.0	7.0	—	—	—	—	—
	Aug-99	5.4	5.0	4.2	5.0	5.6	6.4	—	—	—	—	—
	Oct-99	5.3	4.8	5.8	5.4	5.1	6.8	—	—	—	—	—
	Nov-99	5.2	4.8	5.6	5.3	5.2	6.7	—	—	—	—	—
	Apr-00	5.0	5.0	6.0	5.3	5.4	7.2	—	—	—	—	—
	Oct-00	5.0	4.8	5.3	5.3	4.8	6.3	—	—	—	—	—
	Apr-01	4.7	4.8	4.7	4.9	4.4	6.3	—	—	—	—	—
	Oct-01	5.1	5.0	4.4	5.2	5.0	6.6	—	—	—	—	—
	Apr-02	4.7	4.7	5.2	5.2	4.9	6.4	5.4	6.3	—	—	—
	Oct-02	5.9	4.9	5.0	5.5	4.9	7.2	4.9	7.1	—	—	—
	Apr-03	5.9	4.6	6.2	5.5	4.5	7.0	5.1	7.1	—	—	—
	Oct-03	6.0	4.6	5.9	5.1	3.9	6.9	4.6	6.7	—	—	—
	Oct-03	7.0	6.7	6.7	6.4	5.2	7.2	6.6	7.3	6.8	7.2	8.0
	Oct-04	10.0	5.0	—	5.3	4.7	6.8	5.4	7.0	4.9	6.7	5.3
	Apr-05	5.9	5.1	—	5.3	4.5	6.8	5.1	7.0	5.2	7.1	4.8
	Oct-05	5.8	5.1	—	5.1	4.1	6.9	5.1	6.9	4.9	7.1	4.8
	Apr-06	5.9	5.0	—	5.2	4.0	7.1	5.3	7.0	5.1	7.2	4.9
	Oct-06	6.0	4.8	—	5.2	4.2	7.0	5.3	7.0	5.1	7.1	—
Temperature [°C]	Jul-99	20	23	21	23	20	24	—	—	—	—	—
	Aug-99	23	23	23	24	23	20	—	—	—	—	—
	Oct-99	20	21	20	21	20	21	—	—	—	—	—
	Nov-99	17	18	18	18	17	17	—	—	—	—	—
	Apr-00	15	15	15	14	14	17	—	—	—	—	—
	Oct-00	20	20	20	19	20	20	—	—	—	—	—
	Apr-01	17	15	14	14	14	14	—	—	—	—	—
	Oct-01	20	21	20	21	21	19	—	—	—	—	—
	Apr-02	17	18	17	17	17	16	17	17	—	—	—
	Oct-02	25	26	24	24	24	23	25	22	—	—	—
	Apr-03	15	15	16	16	15	15	16	18	—	—	—
	Oct-03	20	19	20	20	21	21	20	19	—	—	—
	Apr-04	15	16	14	14	14	12	15	17	15	14	15
	Oct-04	21	21	—	21	22	21	21	20	21	22	21
	Apr-05	16	15	—	14	15	15	15	15	14	14	13
	Oct-05	21	21	—	21	21	22	21	21	20	21	21
	Apr-06	18	17	—	16	15	17	17	18	16	17	17
	Oct-06	22	23	—	22	23	19	22	19	21	19	—
Turbidity [NTU]	Jul-99	450	650	18	5	75	70	—	—	—	—	—
	Aug-99	95	500	50	100	330	120	—	—	—	—	—
	Oct-99	250	110	100	31	15	26	—	—	—	—	—
	Nov-99	110	290	150	100	75	130	—	—	—	—	—
	Apr-00	50	500	140	37	22	25	—	—	—	—	—
	Oct-00	70	110	17	16	33	31	—	—	—	—	—
	Apr-01	80	70	14	12	32	34	—	—	—	—	—
	Oct-01	60	290	5	10	20	70	—	—	—	—	—
	Apr-02	35	32	25	11	24	8	14	24	—	—	—
	Oct-02	22	8.3	23	10	6.2	50	3.0	14	—	—	—
	Apr-03	33	120	24	22	12	21	60	120	—	—	—
	Oct-03	55	27	65	25	19	26	18	22	—	—	—
	Apr-04	65	400	40	32	37	21	70	29	220	65	75
	Oct-04	38	40	—	60	140	39	39	26	45	30	37
	Apr-05	70	170	—	65	27	12	39	32	190	38	100
	Oct-05	200	110	—	37	55	25	19	39	26	50	26
	Apr-06	56	4.8	—	4.2	1.6	37	5.9	17	3.7	132	1.5
	Oct-06	50	24	—	34	3.0	60	19	160	19	70	—

Notes:
1. — = not available
2. Monitoring well MW-9 abondoned on July 15,2004.
3. MW-14 was accidentally destroyed after the April 2006 monitoring event.

TABLE 5
SUMMARY OF DETECTED CONSTITUENTS
LEACHATE STORAGE LAGOON AREA

Constituent [NC 2L in µg/L]	Date	Concentrations (µg/L)													
		RL	LST-1S	LST-1D	LST-2S	LST-2D	LST-3S	LST-3D	LST-4S	LST-4D	LST-5S	LST-5D	LST-6S	LST-6D	Blanks
Antimony	Jul-93	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
[1.4]*	Aug-93	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sep-93	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sep-93	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-94	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	ND
	Oct-94	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-95	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-95	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-96	30	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-96	30	ND	ND	ND	ND	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-97	30	ND	ND	ND	ND	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-97	30	ND	ND	ND	ND	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-98	30	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-98	30	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Mar-99	30	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-99	30	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-00	30	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-00	30	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-01	30	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-01	30	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-02	30	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-02	30	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-03	30	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-03	30	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-04	30	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-04	30	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-05	30	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-05	30	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-06	30	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-06	30	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
Arsenic	Jul-93	5	9	ND	ND	ND	ND	ND	16	ND	ND	5	ND	27	ND
[10]	Aug-93	5	ND	ND	ND	ND	ND	ND	15	ND	ND	ND	ND	6	ND
	Sep-93	5	ND	ND	5	153	ND	ND	17	ND	ND	ND	ND	ND	ND
	Sep-93	5	ND	ND	ND	8	ND	ND	37	ND	ND	ND	ND	ND	ND
	Apr-94	5	ND	ND	ND	ND	ND	ND	9	ND	ND	ND	ND	ND	ND
	Oct-94	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-95	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-95	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-96	10	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-96	10	ND	ND	ND	ND	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-97	10	ND	ND	ND	ND	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-97	10	ND	ND	ND	ND	ND	—	18	—	ND	ND	ND	—	ND
	Apr-98	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-98	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Mar-99	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-99	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-00	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-00	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-01	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-01	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-02	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-02	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-03	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-03	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-04	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-04	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-05	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-05	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-06	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-06	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
Barium	Jul-93	50	424	260	151	152	128	160	208	204	272	351	126	—	ND
[2000]	Aug-93	50	216	144	133	128	240	242	126	256	196	292	68	112	ND
	Sep-93	50	71	212	75	460	79	104	194	94	92	120	61	62	ND
	Sep-93	50	194	120	94	121	121	170	155	132	113	184	74	77	ND
	Apr-94	50	84	69	ND	94	ND	52	80	ND	ND	62	90	ND	ND
	Oct-94	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-95	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-95	500	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-96	500	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-96	500	ND	ND	ND	ND	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-97	500	ND	ND	ND	ND	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-97	500	ND	ND	ND	ND	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-98	500	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-98	500	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Mar-99	500	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-99	500	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-00	500	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-00	500	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-01	500	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-01	500	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-02	500	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-02	500	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-03	500	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-03	500	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-04	500	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-04	500	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-05	500	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-05	500	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-06	500	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-06	500	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND

TABLE 5
SUMMARY OF DETECTED CONSTITUENTS
LEACHATE STORAGE LAGOON AREA

Constituent	Date	Concentrations (µg/L)													
(NC 2L in µg/L)		RL	LST-1S	LST-1D	LST-2S	LST-2D	LST-3S	LST-3D	LST-4S	LST-4D	LST-5S	LST-5D	LST-6S	LST-6D	Blanks
Beryllium	Jul-93	1	4	ND	2	ND	2	ND	4	3	3	3	ND	4	ND
[2]*	Aug-93	1	2	ND	2	ND	4	ND	3	ND	2	ND	ND	2	ND
	Sep-93	1	ND	ND	2	25	2	ND	4	ND	1	ND	ND	ND	ND
	Sep-93	1	3	ND	ND	1	2	1	4	ND	2	ND	ND	ND	ND
	Apr-94	1	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-94	2	ND	ND	ND	ND	2	ND	2	ND	ND	ND	ND	ND	ND
	Apr-95	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-95	2	ND	ND	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-96	2	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-96	2	ND	ND	ND	ND	ND	—	3	—	ND	ND	ND	—	ND
	Apr-97	2	3	ND	ND	ND	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-97	2	ND	ND	2	ND	ND	—	3	—	3	ND	ND	—	ND
	Apr-98	2	ND	ND	2.1	—	ND	—	3.2	—	ND	ND	ND	—	ND
	Oct-98	2	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Mar-99	2	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-99	2	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-00	2	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-00	2	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-01	2	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-01	2	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-02	2	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-02	2	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-03	2	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-03	2	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-04	2	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-04	2	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-05	2	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-05	2	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-06	2	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-06	2	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
Cadmium	Jul-93	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND
[1.75]	Aug-93	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sep-93	1	ND	ND	ND	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Sep-93	1	ND	ND	ND	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-94	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-94	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-95	1	ND	ND	ND	ND	1	ND	1	ND	ND	ND	ND	ND	ND
	Oct-95	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-96	1	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-96	1	ND	ND	ND	ND	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-97	1	ND	ND	ND	ND	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-97	1	ND	ND	ND	ND	ND	—	ND	—	1	ND	ND	—	ND
	Apr-98	1	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-98	1	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Mar-99	1	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-99	1	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-00	1	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-00	1	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-01	1	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-01	1	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-02	1	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-02	1	ND	ND	ND	—	ND	—	ND	—	2	1	ND	—	ND
	Apr-03	1	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-03	1	ND	ND	ND	—	ND	—	ND	—	ND	5	2	—	ND
	Apr-04	1	3	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-04	1	ND	2	ND	—	ND	—	ND	—	1	1	1	—	ND
	Apr-05	1	1	1	ND	—	1	—	1	—	ND	ND	2	—	ND
	Oct-05	1	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-06	1	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-06	1	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
Chromium	Jul-93	5	72	14	32	8	7	ND	ND	26	36	8	ND	35	ND
[50]	Aug-93	5	17	ND	16	ND	23	ND	ND	ND	18	ND	ND	11	ND
	Sep-93	5	12	ND	17	136	9	ND	ND	ND	19	ND	ND	6	ND
	Sep-93	5	29	ND	8	9	ND	ND	ND	ND	19	ND	ND	ND	ND
	Apr-94	5	9	34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-94	10	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-95	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-95	10	ND	ND	22	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-96	10	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-96	10	13	ND	ND	ND	ND	—	27	—	ND	ND	10	—	ND
	Apr-97	10	32	ND	ND	ND	ND	—	20	—	16	10	14	—	ND
	Oct-97	10	ND	ND	16	ND	ND	—	32	—	15	21	33	—	ND
	Apr-98	10	ND	ND	12	—	ND	—	26	—	32	ND	23	—	ND
	Oct-98	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Mar-99	10	11	ND	18	—	ND	—	34	—	17	ND	10	—	ND
	Oct-99	10	10	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-00	5	170	ND	18	—	ND	—	51	—	28	10	40	—	ND
	Oct-00	10	ND	ND	11	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-01	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-01	10	ND	ND	18	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-02	10	ND	ND	19	—	ND	—	40	—	20	ND	ND	—	ND
	Oct-02	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-03	10	ND	ND	ND	—	ND	—	ND	—	14	ND	10	—	ND
	Oct-03	10	ND	ND	17	—	ND	—	19	—	14	ND	ND	—	ND
	Apr-04	10	20	ND	22	—	ND	—	ND	—	11	11	13	—	ND
	Oct-04	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-05	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-05	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-06	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-06	10	ND	ND	ND	—	17	—	ND	—	ND	ND	ND	—	ND

TABLE 5
SUMMARY OF DETECTED CONSTITUENTS
LEACHATE STORAGE LAGOON AREA

Constituent [NC 2L in µg/L]	Date	Concentrations (µg/L) RL	LST-1S	LST-1D	LST-2S	LST-2D	LST-3S	LST-3D	LST-4S	LST-4D	LST-5S	LST-5D	LST-6S	LST-6D	Blanks
Cobalt [70]*	Jul-93	20	36	28	2	25	71	24	258	28	29	21	ND	52	ND
	Aug-93	20	ND	ND	ND	ND	62	ND	117	ND	ND	ND	24	42	ND
	Sep-93	20	ND	ND	ND	186	83	ND	205	ND	ND	ND	ND	ND	ND
	Sep-93	20	ND	ND	ND	ND	61	ND	188	ND	ND	ND	ND	ND	ND
	Apr-94	10	25	35	18 B	37 B	81 B	41 B	37 B	31 B	19 B	31 B	20 B	36 B	18
	Oct-94	10	ND	ND	ND	ND	ND	ND	14	ND	ND	ND	ND	ND	ND
	Apr-95	10	ND	ND	ND	ND	53	ND	14	ND	ND	ND	ND	ND	ND
	Oct-95	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-96	10	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-96	10	ND	ND	ND	ND	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-97	10	ND	ND	ND	ND	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-97	10	ND	ND	ND	ND	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-98	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-98	10	ND	ND	ND	—	13	—	ND	—	ND	ND	ND	—	ND
	Mar-99	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-99	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-00	10	ND	ND	ND	—	11	—	ND	—	ND	ND	ND	—	ND
	Oct-00	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-01	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-01	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-02	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-02	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-03	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-03	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-04	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-04	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-05	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-05	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-06	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-06	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
Copper [1000]	Jul-93	10	62	25	26 B	24 B	17 B	26 B	22 B	28 B	23 B	ND	19 B	36 B	17
	Aug-93	10	15	21	14 B	10 B	17 B	13 B	ND	12 B	17 B	11 B	16 B	33 B	19
	Sep-93	10	24	12	ND	195	16 B	14 B	11 B	13 B	18 B	14 B	14 B	ND	11
	Sep-93	10	27	12	36 B	46 B	29 B	35 B	44 B	31 B	19 B	10 B	38 B	37 B	39
	Apr-94	10	45	ND	25 B	31 B	15 B	58 B	47 B	41 B	33 B	31 B	25 B	27 B	21
	Oct-94	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-95	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-95	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-96	200	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-96	200	ND	ND	ND	ND	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-97	200	ND	ND	ND	ND	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-97	200	ND	ND	ND	ND	ND	—	ND	—	ND	17	ND	—	ND
	Apr-98	200	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-98	200	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Mar-99	200	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-99	200	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-00	200	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-00	200	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-01	200	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-01	200	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-02	200	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-02	200	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-03	200	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-03	200	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-04	200	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-04	200	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-05	200	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-05	200	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-06	200	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-06	200	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
Lead [15]	Jul-93	5	67	ND	7	ND	ND	ND	ND	8	34	28	ND	13	ND
	Aug-93	5	21	ND	15	ND	17	ND	ND	ND	33	ND	12	7	ND
	Sep-93	5	ND	ND	13	102	ND	ND	ND	ND	17	ND	5	ND	ND
	Sep-93	5	16	ND	10	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-94	5	12	47	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-94	10	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-95	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-95	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Apr-96	10	ND	ND	ND	—	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Oct-96	10	ND	ND	ND	ND	ND	—	14	—	ND	ND	ND	—	ND
	Apr-97	10	ND	ND	ND	ND	ND	—	ND	—	10	ND	ND	—	ND
	Oct-97	10	ND	ND	20	ND	ND	—	41	—	15	ND	33	—	ND
	Apr-98	10	ND	ND	ND	—	22	—	20	—	17	ND	ND	—	ND
	Oct-98	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Mar-99	10	ND	ND	ND	—	ND	—	12	—	ND	ND	ND	—	ND
	Oct-99	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-00	10	23	ND	ND	—	18	—	20	—	11	10	15	—	ND
	Oct-00	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-01	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-01	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-02	10	ND	ND	ND	—	ND	—	14	—	ND	ND	ND	—	ND
	Oct-02	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-03	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-03	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-04	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-04	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-05	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-05	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Apr-06	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND
	Oct-06	10	ND	ND	ND	—	ND	—	ND	—	ND	ND	ND	—	ND

TABLE 5
SUMMARY OF DETECTED CONSTITUENTS
LEACHATE STORAGE LAGOON AREA

Constituent [NC 2L in µg/L]	Date	Concentrations (µg/L)																					
		RL	LST-1S	LST-1D	LST-2S	LST-2D		LST-3S	LST-3D		LST-4S	LST-4D		LST-5S	LST-5D		LST-6S	LST-6D		Blanks
Nickel [100]	Jul-93	10	52	36	18	28		63	17		253	47		35	ND		23	80		ND
	Aug-93	10	46	21	41	B 44	B	103	38	B	164	39	B	39	B 37	B	26	B 40	B	11
	Sep-93	10	23	51	23	B 240		89	20	B	212	15	B	20	B 20	B	12	B 15	B	17
	Sep-93	10	ND	ND	12	15		60	16		194	14		19	13		49	17		ND
	Apr-94	10	45	ND	26	B 32	B	87	B 19	B	44	B 45	B	30	B 50		17	B 39	B	20
	Oct-94	50	ND	ND	ND	ND		ND	ND		ND	ND		ND	ND		ND	ND		ND
	Apr-95	50	ND	ND	ND	ND		61	ND		ND	ND		ND	ND		ND	ND		ND
	Oct-95	50	ND	ND	ND	ND		ND	ND		ND	ND		ND	ND		ND	ND		ND
	Apr-96	50	ND	ND	ND	—		ND	ND		ND	ND		ND	ND		ND	ND		ND
	Oct-96	50	ND	ND	ND	ND		ND	—		ND	—		ND	ND		ND	—		ND
	Apr-97	50	ND	ND	ND	ND		ND	—		ND	—		ND	ND		ND	—		ND
	Oct-97	50	ND	ND	ND	ND		ND	—		ND	—		ND	ND		ND	—		ND
	Apr-98	50	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Oct-98	50	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Mar-99	50	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Oct-99	50	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Apr-00	50	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Oct-00	50	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Apr-01	50	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Oct-01	50	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Apr-02	50	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Oct-02	50	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Apr-03	50	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Oct-03	50	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Apr-04	50	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Oct-04	50	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Apr-05	50	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Oct-05	50	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Apr-06	50	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Oct-06	50	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
Selenium [50]	Jul-93	10	ND	ND	ND	ND		ND	ND		ND	ND		ND	49		ND	ND		ND
	Aug-93	10	ND	ND	ND	ND		ND	ND		ND	ND		ND	ND		ND	ND		ND
	Sep-93	10	ND	ND	ND	ND		ND	ND		ND	ND		ND	ND		ND	ND		ND
	Sep-93	10	ND	ND	ND	ND		ND	ND		ND	ND		ND	ND		ND	ND		ND
	Apr-94	10	ND	ND	ND	ND		ND	ND		ND	ND		ND	ND		ND	ND		ND
	Oct-94	20	ND	ND	ND	ND		ND	ND		ND	ND		ND	ND		ND	ND		ND
	Apr-95	20	ND	ND	ND	ND		ND	ND		ND	ND		ND	ND		ND	ND		ND
	Oct-95	20	ND	ND	ND	ND		ND	ND		ND	ND		ND	ND		ND	ND		ND
	Apr-96	20	ND	ND	ND	—		ND	ND		ND	ND		ND	ND		ND	ND		ND
	Oct-96	20	ND	ND	ND	ND		ND	—		ND	—		ND	ND		ND	—		ND
	Apr-97	20	ND	ND	ND	ND		ND	—		ND	—		ND	ND		ND	—		ND
	Oct-97	20	ND	ND	ND	ND		ND	—		ND	—		ND	ND		ND	—		ND
	Apr-98	20	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Oct-98	20	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Mar-99	20	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Oct-99	20	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Apr-00	20	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Oct-00	20	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Apr-01	20	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Oct-01	20	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Apr-02	20	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Oct-02	20	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Apr-02	20	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Apr-05	20	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Oct-05	20	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Apr-06	20	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Oct-06	20	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
Vanadium [24.5]*	Jul-93	2000	ND	ND	ND	ND		ND	ND		ND	ND		ND	ND		ND	ND		ND
	Aug-93	2000	ND	ND	ND	ND		ND	ND		ND	ND		ND	ND		ND	ND		ND
	Sep-93	2000	ND	ND	ND	ND		ND	ND		ND	ND		ND	ND		ND	ND		ND
	Sep-93	2000	ND	ND	ND	ND		ND	ND		ND	ND		ND	ND		ND	ND		ND
	Apr-94	40	ND	ND	ND	ND		ND	ND		ND	ND		ND	ND		ND	ND		ND
	Oct-94	40	ND	ND	ND	ND		ND	ND		ND	ND		ND	ND		ND	ND		ND
	Apr-95	40	ND	ND	ND	ND		ND	ND		ND	ND		ND	ND		ND	ND		ND
	Oct-95	40	ND	ND	ND	ND		ND	ND		ND	ND		ND	ND		ND	ND		ND
	Apr-96	40	ND	ND	ND	—		ND	ND		ND	ND		ND	ND		ND	ND		ND
	Oct-96	40	ND	ND	ND	ND		ND	—		ND	—		ND	ND		ND	—		ND
	Apr-97	40	ND	ND	ND	ND		ND	—		ND	—		ND	ND		ND	—		ND
	Oct-97	40	ND	ND	ND	ND		ND	—		50	—		ND	ND		48	—		ND
	Apr-98	40	ND	ND	ND	—		ND	—		ND	—		43	ND		ND	—		ND
	Oct-98	40	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Mar-99	40	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Oct-99	40	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Apr-00	40	ND	ND	ND	—		ND	—		64	—		40	ND		50	—		ND
	Oct-00	40	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Apr-01	40	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Oct-01	40	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Apr-02	40	ND	ND	ND	—		ND	—		55	—		ND	ND		ND	—		ND
	Oct-02	40	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Apr-03	40	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Oct-03	40	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Apr-04	40	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Oct-04	40	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Apr-05	40	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Oct-05	40	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Apr-06	40	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND
	Oct-06	40	ND	ND	ND	—		ND	—		ND	—		ND	ND		ND	—		ND

TABLE 5
SUMMARY OF DETECTED CONSTITUENTS
LEACHATE STORAGE LAGOON AREA

Constituent [NC 2L in µg/L]	Date	Concentrations (µg/L)																					
		RL	LST-1S	LST-1D	LST-2S		LST-2D		LST-3S	LST-3D		LST-4S	LST-4D	LST-5S	LST-5D	LST-6S		LST-6D		Blanks
Zinc	Jul-93	10	102	26	24	B	26	B	132	30	B	797	54	71	84	36	B	257		10
[1050]	Aug-93	10	36	17	31		20		182	67		294	20	45	23	43		116		ND
	Sep-93	10	12	30	23		660		135	22		404	10	13	ND	19		33		ND
	Sep-93	10	37	25	42		63		130	36		555	18	43	14	19		29		ND
	Apr-94	10	78	50	40	B	33	B	176	32	B	90	B 27	B 42	B 32	B 64	B	40	B	20
	Oct-94	50	ND	ND	ND		ND		88	ND		69	ND	800	ND	ND		ND		ND
	Apr-95	50	ND	ND	ND		ND		128	ND		ND	ND	ND	ND	ND		ND		ND
	Oct-95	50	ND	ND	ND		ND		ND	ND		ND	ND	ND	ND	ND		ND		ND
	Apr-96	50	ND	ND	ND		---		ND	ND		ND	ND	ND	ND	ND		ND		ND
	Oct-96	50	ND	ND	ND		ND		ND	—		67	---	ND	ND	ND		—		ND
	Apr-97	50	ND	ND	ND		ND		ND	—		51	—	ND	ND	ND		—		ND
	Oct-97	50	ND	ND	ND		ND		ND	—		129	—	91	ND	ND		—		ND
	Apr-98	50	ND	ND	ND		---		ND	—		62	—	ND	ND	ND		—		ND
	Oct-98	50	ND	ND	ND		—		ND	---		ND	---	ND	ND	ND		---		ND
	Mar-99	50	ND	ND	ND		—		ND	---		60	—	54	ND	ND		—		ND
	Oct-99	50	ND	ND	ND		---		ND	---		ND	—	ND	ND	ND		—		ND
	Apr-00	50	ND	ND	ND		---		52	—		67	—	161	ND	ND		—		ND
	Oct-00	50	ND	ND	ND		—		ND	—		ND	—	ND	ND	ND		—		ND
	Apr-01	50	ND	ND	ND		—		ND	—		ND	—	ND	ND	ND		---		ND
	Oct-01	50	ND	ND	ND		—		ND	—		ND	—	62	ND	ND		—		ND
	Apr-02	50	ND	ND	ND		---		ND	---		77	—	105	ND	ND		---		ND
	Oct-02	50	ND	ND	ND		—		ND	—		ND	—	ND	ND	ND		---		ND
	Apr-03	50	ND	ND	ND		---		ND	—		ND	---	82	ND	148		—		ND
	Oct-03	50	ND	ND	ND		—		ND	—		ND	—	ND	ND	ND		—		ND
	Apr-04	50	ND	ND	ND		—		ND	---		ND	—	ND	ND	ND		—		ND
	Oct-04	50	ND	ND	ND		---		ND	---		ND	—	ND	ND	ND		—		ND
	Apr-05	50	ND	ND	ND		—		ND	—		ND	—	55	ND	ND		---		ND
	Oct-05	50	ND	ND	ND		---		ND	—		ND	—	ND	ND	ND		---		ND
	Apr-06	50	ND	ND	ND		---		ND	—		ND	—	ND	ND	ND		---		ND
	Oct-06	50	ND	ND	ND		—		68	—		ND	—	ND	ND	ND		—		ND

Notes:
1. All concentrations are in µg/L.
2. LST = leachate storage tank monitoring well
3. RL = laboratory reporting limit
4. ND = not detected above reporting limit
5. J = estimated value between the DL and the QL
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 2L Drinking Water Standards.
8. * = proposed NC 2L Drinking Water Standard

TABLE 6
SUMMARY OF FIELD PARAMETERS
LEACHATE STORAGE LAGOON AREA

Field Parameters	Date	LST-1S	LST-1D	LST-2S	LST-2D	LST-3S	LST-3D	LST-4S	LST-4D	LST-5S	LST-5D	LST-6S	LST-6D
Conductivity [uMhos]	Jul-93	80	490	73	460	190	430	390	650	110	560	60	480
	Aug-93	110	400	81	400	210	360	280	520	140	500	62	270
	Sep-93	96	440	60	---	210	330	270	460	100	680	86	380
	Sep-93	85	400	69	380	210	320	280	460	110	460	81	350
	Apr-94	84	470	60	480	230	400	11	430	120	530	97	480
	Oct-94	83	450	72	440	150	340	120	310	110	700	89	660
	Apr-95	77	460	54	460	250	360	120	320	120	480	56	490
	Oct-95	87	470	54	470	93	320	80	290	120	510	75	---
	Apr-96	73	460	54	450	61	370	91	340	120	490	60	470
	Oct-96	63	380	52	---	56	---	98	---	120	410	52	---
	Apr-97	65	500	72	---	90	---	110	---	140	490	55	---
	Oct-97	61	440	72	---	66	---	110	---	120	460	73	---
	Apr-98	60	60	84	---	49	---	---	---	---	500	40	---
	Oct-98	64	440	77	---	78	---	78	---	130	420	87	---
	Mar-99	62	480	75	---	46	---	81	---	160	500	46	---
	Oct-99	56	450	77	---	32	---	49	---	210	460	46	---
	Apr-00	53	440	66	---	62	---	81	---	160	460	34	---
	Oct-00	53	460	68	---	53	---	83	---	160	470	83	---
	Apr-01	49	430	66	---	---	---	71	---	140	450	59	---
	Oct-01	51	450	70	---	49	---	61	---	130	---	62	---
	Apr-02	59	420	62	---	52	---	79	---	160	430	38	---
	Oct-02	71	296	65	---	64	---	11	---	38	35	60	---
	Apr-03	65	466	80	---	81	---	72	---	272	484	70	---
	Oct-03	73	449	95	---	114	---	77	---	196	479	52	---
	Apr-04	58	330	54	---	41	---	40	---	150	340	48	---
	Oct-04	73	436	87	---	50	---	55	---	126	464	49	---
	Apr-05	538	81	91	---	65	---	61	---	148	561	40	---
	Oct-05	81	468	88	---	72	---	49	---	212	485	60	---
	Apr-06	96	508	100	---	77	---	76	---	150	525	42	---
	Oct-06	87	489	94	---	48	---	52	---	134	489	50	---
pH [units]	Jun-93	5.1	6.4	4.9	6.1	5.3	6.4	4.4	6.2	5.5	6.1	5.5	6.9
	Aug-93	5.8	6.5	5.9	6.4	5.7	6.5	4.5	6.4	6.1	6.9	5.7	6.8
	Sep-93	5.4	6.6	5.8	---	5.9	6.9	4.6	6.3	6.0	6.6	5.5	6.4
	Sep-93	6.1	6.5	6.1	6.3	5.4	6.4	4.5	6.2	6.4	6.6	6.0	6.5
	Apr-94	6.0	6.4	5.9	6.5	5.1	6.3	5.1	6.2	6.3	6.4	5.6	6.4
	Oct-94	5.0	6.6	5.2	6.6	4.2	6.5	4.2	6.3	5.4	6.6	4.9	6.6
	Apr-95	6.2	6.0	6.4	6.2	5.3	6.0	5.3	6.0	6.0	6.5	6.5	6.4
	Oct-95	5.0	7.0	5.2	5.2	4.6	6.8	4.5	6.5	5.2	6.8	4.8	6.9
	Apr-96	5.0	6.3	5.9	6.6	5.4	6.5	4.7	6.2	5.6	6.5	5.8	6.6
	Oct-96	4.7	5.6	5.1	---	4.6	---	4.4	---	5.7	5.8	4.8	---
	Apr-97	5.3	6.1	5.2	---	5.0	---	5.2	---	5.7	6.4	5.7	---
	Oct-97	5.8	6.1	6.9	---	4.9	---	4.7	---	5.1	5.8	4.7	---
	Apr-98	4.8	4.8	4.8	---	4.6	---	---	---	---	7.0	4.7	---
	Oct-98	4.9	6.5	---	---	4.1	---	4.9	---	6.2	6.9	4.8	---
	Mar-99	5.0	6.6	5.0	---	4.5	---	4.8	---	5.8	6.8	4.9	---
	Oct-99	5.0	6.8	4.8	---	4.6	---	4.6	---	5.8	6.8	5.0	---
	Apr-00	5.2	6.4	5.0	---	5.4	---	5.4	---	5.6	6.5	5.0	---
	Oct-00	4.8	6.6	4.8	---	4.4	---	4.1	---	5.2	6.7	4.5	---
	Apr-02	4.7	6.3	4.7	---	4.9	---	4.4	---	5.2	6.5	4.6	---
	Oct-02	5.0	6.0	5.2	---	4.7	---	4.4	---	5.2	6.8	4.8	---
	Apr-02	5.0	6.5	5.0	---	4.7	---	4.8	---	6.1	6.7	4.9	---
	Oct-02	5.1	7.0	5.0	---	4.6	---	4.7	---	5.9	7.0	4.8	---
	Apr-03	5.0	6.9	5.0	---	4.5	---	4.4	---	6.1	6.9	4.8	---
	Oct-03	4.6	6.7	4.4	---	3.4	---	3.9	---	6.4	6.7	4.4	---
	Apr-04	6.0	7.2	5.6	---	5.4	---	5.2	---	6.6	7.0	5.6	---
	Oct-04	4.7	6.7	4.8	---	4.7	---	4.5	---	6.7	6.8	5.1	---
	Apr-05	7.0	5.0	5.3	---	4.9	---	4.6	---	6.5	6.9	4.9	---
	Oct-05	4.8	6.8	4.9	---	4.3	---	4.6	---	6.5	6.9	4.8	---
	Apr-06	4.8	7.0	4.9	---	4.5	---	5.1	---	6.6	7.0	5.1	---
	Oct-06	4.8	7.0	4.8	---	4.7	---	5.0	---	6.5	6.9	5.0	---

TABLE 6
SUMMARY OF FIELD PARAMETERS
LEACHATE STORAGE LAGOON AREA

Field Parameters	Date	LST-1S	LST-1D	LST-2S	LST-2D	LST-3S	LST-3D	LST-4S	LST-4D	LST-5S	LST-5D	LST-6S	LST-6D
Temperature [°C]	Jun-93	25	21	26	22	27	19	23	20	23	18	23	24
	Aug-93	24	21	25	24	24	19	22	20	25	20	24	19
	Sep-93	25	19	25	---	24	21	24	20	24	20	24	21
	Sep-93	25	21	25	21	24	20	24	21	24	21	25	21
	Apr-94	17	17	19	18	18	18	18	1719	18	17	18	18
	Oct-94	20	19	21	20	21	19	21	16	21	19	20	19
	Apr-95	16	16	17	16	15	16	15	20	17	16	16	17
	Oct-95	23	20	23	20	22	20	22	13	23	20	21	20
	Apr-96	12	14	13	14	12	13	12	---	13	14	12	14
	Oct-96	20	20	21	---	22	---	21	---	21	21	22	---
	Apr-97	14	15	14	---	13	---	13	---	15	16	13	---
	Oct-97	20	17	21	---	20	---	19	---	21	17	18	---
	Apr-98	15	15	15	---	15	---	---	---	---	17	15	---
	Oct-98	20	18	21	---	18	---	19	---	21	19	20	---
	Mar-99	13	16	13	---	13	---	15	---	15	18	15	---
	Oct-99	20	20	21	---	20	---	20	---	21	20	19	---
	Apr-00	15	17	15	---	15	---	14	---	15	19	14	---
	Oct-00	19	20	20	---	19	---	19	---	20	20	20	---
	Apr-02	15	15	16	---	15	---	14	---	16	16	15	---
	Oct-02	20	20	21	---	20	---	20	---	21	21	21	---
	Apr-02	16	16	18	---	18	---	16	---	18	16	18	---
	Oct-02	24	24	27	---	25	---	25	---	26	22	21	---
	Apr-03	15	15	15	---	15	---	15	---	16	16	15	---
	Oct-03	20	18	20	---	19	---	20	---	20	20	20	---
	Apr-04	13	13	14	---	12	---	14	---	13	13	13	---
	Oct-04	21	21	21	---	21	---	21	---	22	21	21	---
	Apr-05	15	15	16	---	15	---	15	---	16	16	15	---
	Oct-05	21	21	21	---	21	---	20	---	22	22	20	---
	Apr-06	17	18	17	---	17	---	17	---	18	18	18	---
	Oct-06	21	19	22	---	21	---	21	---	23	19	22	---
Turbidity [NTU]	Jun-93	---	---	---	---	---	---	---	---	---	---	---	---
	Aug-93	---	---	---	---	---	---	---	---	---	---	---	---
	Sep-93	---	---	---	---	---	---	---	---	---	---	---	---
	Sep-93	---	---	---	---	---	---	---	---	---	---	---	---
	Apr-94	---	---	---	---	---	---	---	---	---	---	---	---
	Oct-94	---	---	---	---	---	---	---	---	---	---	---	---
	Apr-95	---	---	---	---	---	---	---	---	---	---	---	---
	Oct-95	---	---	---	---	---	---	---	---	---	---	---	---
	Apr-96	---	---	---	---	---	---	---	---	---	---	---	---
	Oct-96	---	---	---	---	---	---	---	---	---	---	---	---
	Apr-97	---	---	---	---	---	---	---	---	---	---	---	---
	Oct-97	---	---	---	---	---	---	---	---	---	---	---	---
	Apr-98	---	---	---	---	---	---	---	---	---	---	---	---
	Oct-98	330	170	270	---	55	---	360	---	150	140	270	---
	Mar-99	150	38	190	---	15	---	400	---	210	75	---	---
	Oct-99	89	22	45	---	39	---	65	---	35	18	32	---
	Apr-00	110	14	110	---	18	---	180	---	80	24	80	---
	Oct-00	70	55	120	---	12	---	70	---	32	22	28	---
	Apr-02	36	24	38	---	13	---	27	---	26	33	26	---
	Oct-02	86	60	166	---	20	---	188	---	206	51	85	---
	Apr-02	27	25	130	---	22	---	57	---	70	23	35	---
	Oct-02	7.5	27	85	---	28	---	11	---	38	35	21	---
	Apr-03	33	22	55	---	12	---	45	---	85	30	22	---
	Oct-03	70	26	240	---	16	---	340	---	250	100	36	---
	Apr-04	250	20	270	---	60	---	70	---	45	55	40	---
	Oct-04	75	25	110	---	9.3	---	140	---	100	80	95	---
	Apr-05	32	60	220	---	31	---	100	---	160	22	80	---
	Oct-05	32	25	100	---	36	---	75	---	180	27	90	---
	Apr-06	<1.43	40	5.8	---	1.7	---	7.7	---	14	75	45	---
	Oct-06	12	50	<1.54	---	310	---	10	---	25	60	70	---

Notes:
1. --- = not available

TABLE 7
SUMMARY OF DETECTED CONSTITUENTS
SURFACE WATER

Constituent [NC 2L in µg/L]	Date	Concentrations (µg/L)					
		RL	SWPT-1	SWPT-2	UD-1	UD-2	Blanks
Arsenic	Jul-93	5	ND	ND	ND	—	ND
[10]	Aug-93	5	—	—	—	—	ND
	Sep-93	5	—	—	—	—	ND
	Sep-93	5	—	—	—	—	ND
	Apr-94	5	7	ND	ND	—	ND
	Oct-94	10	ND	ND	ND	—	ND
	Apr-95	10	ND	ND	ND	—	ND
	Oct-95	10	ND	ND	ND	—	ND
	Apr-96	10	ND	ND	ND	—	ND
	Oct-96	10	ND	ND	ND	—	ND
	Apr-97	10	—	—	ND	—	ND
	Oct-97	10	—	—	ND	—	ND
	Apr-98	10	—	—	ND	—	ND
	Oct-98	10	—	ND	—	—	ND
	Mar-99	10	ND	ND	ND	—	ND
	Jul-99	10	—	—	—	ND	ND
	Aug-99	10	—	—	—	ND	ND
	Oct-99	10	ND	ND	ND	ND	ND
	Nov-99	10	—	—	—	ND	ND
	Apr-00	10	ND	ND	ND	—	ND
	Oct-00	10	ND	ND	ND	ND	ND
	Apr-01	10	—	—	ND	—	ND
	Oct-01	10	ND	ND	ND	ND	ND
	Apr-02	10	—	ND	ND	ND	ND
	Oct-02	10	ND	ND	ND	ND	ND
	Apr-03	10	ND	ND	ND	ND	ND
	Oct-03	10	ND	ND	ND	15	ND
	Apr-04	10	ND	ND	ND	ND	ND
	Oct-04	10	ND	ND	ND	ND	ND
	Apr-05	10	ND	ND	ND	ND	ND
	Oct-05	10	ND	ND	ND	ND	ND
	Apr-06	10	ND	ND	ND	ND	ND
	Oct-06	10	ND	ND	ND	ND	ND
Barium	Jul-93	50	ND	140	71	—	ND
[2000]	Aug-93	50	—	—	—	—	ND
	Sep-93	50	—	—	—	—	ND
	Sep-93	50	—	—	—	—	ND
	Apr-94	50	ND	ND	ND	—	ND
	Oct-94	500	ND	ND	ND	—	ND
	Apr-95	500	ND	ND	ND	—	ND
	Oct-95	500	ND	ND	ND	—	ND
	Apr-96	500	ND	ND	ND	—	ND
	Oct-96	500	ND	ND	ND	—	ND
	Apr-97	500	—	—	ND	—	ND
	Oct-97	500	—	—	ND	—	ND
	Apr-98	500	—	—	ND	—	ND
	Oct-98	500	—	ND	—	—	ND
	Mar-99	500	ND	ND	ND	—	ND
	Jul-99	500	—	—	—	ND	ND
	Aug-99	500	—	—	—	ND	ND
	Oct-99	500	ND	ND	ND	ND	ND
	Nov-99	500	—	—	—	ND	ND
	Apr-00	500	ND	ND	ND	—	ND
	Oct-00	500	ND	ND	ND	ND	ND
	Apr-01	500	—	—	ND	—	ND
	Oct-01	500	ND	ND	ND	ND	ND
	Apr-02	500	—	ND	ND	ND	ND
	Oct-02	500	ND	ND	ND	ND	ND
	Apr-03	500	ND	ND	ND	ND	ND
	Oct-03	500	ND	ND	ND	ND	ND
	Apr-04	500	ND	ND	ND	ND	ND
	Oct-04	500	ND	ND	ND	ND	ND
	Apr-05	500	ND	ND	ND	ND	ND
	Oct-05	500	ND	ND	ND	ND	ND
	Apr-06	500	ND	ND	ND	ND	ND
	Oct-06	500	ND	ND	ND	ND	ND

TABLE 7
SUMMARY OF DETECTED CONSTITUENTS
SURFACE WATER

Constituent [NC 2L in µg/L]	Date	Concentrations (µg/L)					
		RL	SWPT-1	SWPT-2	UD-1	UD-2	Blanks
Beryllium	Jul-93	1	ND	ND	ND	—	ND
[2]*	Aug-93	1	—	—	—	—	ND
	Sep-93	1	—	—	—	—	ND
	Sep-93	1	—	—	—	—	ND
	Apr-94	1	ND	ND	64	—	ND
	Oct-94	2	ND	ND	ND	—	ND
	Apr-95	2	ND	ND	ND	—	ND
	Oct-95	2	ND	ND	ND	—	ND
	Apr-96	2	ND	ND	ND	—	ND
	Oct-96	2	ND	ND	ND	—	ND
	Apr-97	2	—	—	ND	—	ND
	Oct-97	2	—	—	ND	—	ND
	Apr-98	2	—	—	ND	—	ND
	Oct-98	2	—	ND	—	—	ND
	Mar-99	2	ND	ND	ND	—	ND
	Jul-99	2	—	—	—	ND	ND
	Aug-99	2	—	—	—	ND	ND
	Oct-99	2	ND	ND	ND	ND	ND
	Nov-99	2	—	—	—	ND	ND
	Apr-00	2	ND	ND	ND	—	ND
	Oct-00	2	ND	ND	ND	ND	ND
	Apr-01	2	—	—	ND	—	ND
	Oct-01	2	ND	ND	ND	ND	ND
	Apr-02	2	—	ND	ND	ND	ND
	Oct-02	2	ND	ND	ND	ND	ND
	Apr-03	2	ND	ND	ND	ND	ND
	Oct-03	2	ND	ND	ND	ND	ND
	Apr-04	2	ND	ND	ND	ND	ND
	Oct-04	2	ND	ND	ND	ND	ND
	Apr-05	2	ND	ND	ND	ND	ND
	Oct-05	2	ND	ND	ND	ND	ND
	Apr-06	2	ND	ND	ND	ND	ND
	Oct-06	2	ND	ND	ND	ND	ND
Cadmium	Jul-93	1	ND	ND	ND	—	ND
[1.75]	Aug-93	1	—	—	—	—	ND
	Sep-93	1	—	—	—	—	ND
	Sep-93	1	—	—	—	—	ND
	Apr-94	1	ND	ND	ND	—	ND
	Oct-94	1	ND	ND	ND	—	ND
	Apr-95	1	ND	ND	ND	—	ND
	Oct-95	1	ND	ND	ND	—	ND
	Apr-96	1	ND	ND	ND	—	ND
	Oct-96	1	ND	ND	ND	—	ND
	Apr-97	1	—	—	ND	—	ND
	Oct-97	1	—	—	ND	—	ND
	Apr-98	1	—	—	ND	—	ND
	Oct-98	1	—	ND	—	—	ND
	Mar-99	1	ND	ND	ND	—	ND
	Jul-99	1	—	—	—	ND	ND
	Aug-99	1	—	—	—	ND	ND
	Oct-99	1	ND	ND	ND	ND	ND
	Nov-99	1	—	—	—	ND	ND
	Apr-00	1	ND	ND	ND	—	ND
	Oct-00	1	ND	ND	ND	ND	ND
	Apr-01	1	—	—	ND	—	ND
	Oct-01	1	ND	ND	ND	ND	ND
	Apr-02	1	—	ND	ND	ND	ND
	Oct-02	1	ND	ND	ND	ND	ND
	Apr-03	1	2	ND	ND	ND	ND
	Oct-03	1	ND	ND	ND	ND	ND
	Apr-04	1	ND	ND	ND	ND	ND
	Oct-04	1	ND	2	ND	ND	ND
	Apr-05	1	ND	ND	ND	ND	ND
	Oct-05	1	ND	ND	ND	ND	ND
	Apr-06	1	ND	ND	2 (ND)	4 (ND)	ND
	Oct-06	1	ND	ND	ND	ND	ND

TABLE 7
SUMMARY OF DETECTED CONSTITUENTS
SURFACE WATER

Constituent [NC 2L in µg/L]	Date	Concentrations (µg/L)					
		RL	SWPT-1	SWPT-2	UD-1	UD-2	Blanks
Chromium	Jul-93	5	ND	ND	ND	—	ND
[50]	Aug-93	5	—	—	—	—	ND
	Sep-93	5	—	—	—	—	ND
	Sep-93	5	—	—	—	—	ND
	Apr-94	5	ND	ND	ND	—	ND
	Oct-94	10	ND	ND	ND	—	ND
	Apr-95	10	ND	ND	ND	—	ND
	Oct-95	10	ND	ND	ND	—	ND
	Apr-96	10	ND	ND	ND	—	ND
	Oct-96	10	ND	ND	ND	—	ND
	Apr-97	10	—	—	ND	—	ND
	Oct-97	10	—	—	ND	—	ND
	Apr-98	10	—	—	18	—	ND
	Oct-98	10	—	ND	—	—	ND
	Mar-99	10	ND	ND	ND	—	ND
	Jul-99	10	—	—	—	12	ND
	Aug-99	10	—	—	—	13	ND
	Oct-99	10	ND	ND	ND	ND	ND
	Nov-99	10	—	—		ND	ND
	Apr-00	5	ND	28	ND	—	ND
	Oct-00	10	ND	16	ND	ND	ND
	Apr-01	10	—	—	ND	—	ND
	Oct-01	10	ND	ND	ND	ND	ND
	Apr-02	10	—	ND	ND	ND	ND
	Oct-02	10	ND	ND	ND	ND	ND
	Apr-03	10	ND	ND	ND	ND	ND
	Oct-03	10	ND	ND	ND	20	ND
	Apr-04	10	ND	ND	ND	22	ND
	Oct-04	10	ND	ND	ND	ND	ND
	Apr-05	10	ND	ND	ND	ND	ND
	Oct-05	10	ND	ND	ND	ND	ND
	Apr-06	10	ND	ND	ND	ND	ND
	Oct-06	10	ND	ND	ND	ND	ND
Cobalt	Jul-93	20	ND	ND	28	—	ND
[70]*	Aug-93	20	—	—	—	—	ND
	Sep-93	20	—	—	—	—	ND
	Sep-93	20	—	—	—	—	ND
	Apr-94	10	34 B	45 B	46 B	—	18
	Oct-94	10	ND	ND	ND	—	ND
	Apr-95	10	ND	ND	ND	—	ND
	Oct-95	10	ND	ND	ND	—	ND
	Apr-96	10	ND	ND	ND	—	ND
	Oct-96	10	ND	ND	ND	—	ND
	Apr-97	10	—	—	ND	—	ND
	Oct-97	10	—	—	ND	—	ND
	Apr-98	10	—	—	ND	—	ND
	Oct-98	10	—	ND	—	—	ND
	Mar-99	10	ND	ND	ND	—	ND
	Jul-99	10	—	—	—	ND	ND
	Aug-99	10	—	—	—	ND	ND
	Oct-99	10	ND	ND	ND	ND	ND
	Nov-99	10	—	—	—	ND	ND
	Apr-00	10	ND	12	ND	—	ND
	Oct-00	10	ND	ND	ND	ND	ND
	Apr-01	10	—	—	ND	—	ND
	Oct-01	10	10	ND	ND	ND	ND
	Apr-02	10	—	ND	ND	ND	ND
	Oct-02	10	ND	ND	ND	ND	ND
	Apr-03	10	ND	ND	ND	ND	ND
	Oct-03	10	ND	ND	ND	14	ND
	Apr-04	10	ND	ND	ND	ND	ND
	Oct-04	10	ND	ND	ND	ND	ND
	Apr-05	10	ND	ND	ND	ND	ND
	Oct-05	10	ND	ND	ND	ND	ND
	Apr-06	10	ND	ND	ND	ND	ND
	Oct-06	10	ND	ND	ND	ND	ND

TABLE 7
SUMMARY OF DETECTED CONSTITUENTS
SURFACE WATER

Constituent [NC 2L in µg/L]	Date	Concentrations (µg/L)								
		RL	SWPT-1		SWPT-2		UD-1		UD-2	Blanks
Copper	Jul-93	10	15	B	13	B	10	B	—	17
[1000]	Aug-93	10	—		—		—		—	19
	Sep-93	10	—		—		—		—	11
	Sep-93	10	—		—		—		—	39
	Apr-94	10	28	B	40	B	43	B	—	21
	Oct-94	200	ND		ND		ND		—	ND
	Apr-95	200	ND		ND		ND		—	ND
	Oct-95	200	ND		ND		ND		—	ND
	Apr-96	200	ND		ND		ND		—	ND
	Oct-96	200	ND		ND		ND		—	ND
	Apr-97	200	—		—		ND		—	ND
	Oct-97	200	—		—		ND		—	ND
	Apr-98	200	—		—		ND		—	ND
	Oct-98	200	—		ND		—		—	ND
	Mar-99	200	ND		ND		15		—	ND
	Jul-99	200	—		—		—		ND	ND
	Aug-99	200	—		—		—		11	ND
	Oct-99	200	ND		ND		ND		ND	ND
	Nov-99	200	—		—		—		ND	ND
	Apr-00	200	ND		ND		ND		—	ND
	Oct-00	200	ND		ND		ND		ND	ND
	Apr-01	200	—		—		ND		—	ND
	Oct-01	200	ND		ND		ND		ND	ND
	Apr-02	200	—		ND		ND		ND	ND
	Oct-02	200	ND		ND		ND		ND	ND
	Apr-03	200	ND		ND		ND		ND	ND
	Oct-03	200	ND		ND		ND		ND	ND
	Apr-04	200	ND		ND		ND		ND	ND
	Oct-04	200	ND		ND		ND		ND	ND
	Apr-05	200	ND		ND		ND		ND	ND
	Oct-05	200	ND		ND		ND		ND	ND
	Apr-06	200	ND		ND		ND		ND	ND
	Oct-06	200	ND		ND		ND		ND	ND
Lead	Jul-93	5	ND		ND		ND		—	ND
[15]	Aug-93	5	—		—		—		—	ND
	Sep-93	5	—		—		—		—	ND
	Sep-93	5	—		—		—		—	ND
	Apr-94	5	ND		5		ND		—	ND
	Oct-94	10	ND		ND		ND		—	ND
	Apr-95	10	ND		ND		ND		—	ND
	Oct-95	10	ND		ND		ND		—	ND
	Apr-96	10	ND		ND		ND		—	ND
	Oct-96	10	ND		ND		ND		—	ND
	Apr-97	10	—		—		ND		—	ND
	Oct-97	10	—		—		ND		—	ND
	Apr-98	10	—		—		11		—	ND
	Oct-98	10	—		ND		—		—	ND
	Mar-99	10	ND		ND		ND		—	ND
	Jul-99	10	—		—		—		ND	ND
	Aug-99	10	—		—		—		ND	ND
	Oct-99	10	ND		ND		ND		ND	ND
	Nov-99	10	—		—		—		ND	ND
	Apr-00	10	ND		ND		ND		—	ND
	Oct-00	10	ND		ND		ND		ND	ND
	Apr-01	10	—		—		ND		—	ND
	Oct-01	10	ND		ND		ND		ND	ND
	Apr-02	10	—		ND		ND		ND	ND
	Oct-02	10	ND		ND		ND		ND	ND
	Apr-03	10	ND		ND		ND		ND	ND
	Oct-03	10	ND		ND		ND		15	ND
	Apr-04	10	ND		ND		ND		12	ND
	Oct-04	10	ND		ND		ND		ND	ND
	Apr-05	10	ND		ND		ND		ND	ND
	Oct-05	10	ND		ND		ND		ND	ND
	Apr-06	10	ND		ND		ND		ND	ND
	Oct-06	10	ND		ND		ND		ND	ND

TABLE 7
SUMMARY OF DETECTED CONSTITUENTS
SURFACE WATER

Constituent [NC 2L in µg/L]	Date	Concentrations (µg/L)								
		RL	SWPT-1		SWPT-2		UD-1		UD-2	Blanks
Nickel	Jul-93	10	20		20		24		—	ND
[100]	Aug-93	10	—		—		—		—	11
	Sep-93	10	—		—		—		—	17
	Sep-93	10	—		—		—		—	ND
	Apr-94	10	37	B	51	B	57	B	—	20
	Oct-94	50	ND		ND		ND		—	ND
	Apr-95	50	ND		ND		ND		—	ND
	Oct-95	50	ND		ND		ND		—	ND
	Apr-96	50	ND		ND		ND		—	ND
	Oct-96	50	ND		ND		ND		—	ND
	Apr-97	50	—		—		ND		—	ND
	Oct-97	50	—		—		ND		—	ND
	Apr-98	50	—		—		ND		—	ND
	Oct-98	50	—		ND		—		—	ND
	Mar-99	50	ND		ND		ND		—	ND
	Jul-99	50	—		—		—		ND	ND
	Aug-99	50	—		—		—		ND	ND
	Oct-99	50	ND		ND		ND		ND	ND
	Nov-99	50	—		—		—		ND	ND
	Apr-00	50	ND		ND		ND		—	ND
	Oct-00	50	ND		ND		ND		ND	ND
	Apr-01	50	—		—		ND		—	ND
	Oct-01	50	ND		ND		ND		ND	ND
	Apr-02	50	—		ND		ND		ND	ND
	Oct-02	50	ND		ND		ND		ND	ND
	Apr-03	50	ND		ND		ND		ND	ND
	Oct-03	50	ND		ND		ND		ND	ND
	Apr-04	50	ND		ND		ND		ND	ND
	Oct-04	50	ND		ND		ND		ND	ND
	Apr-05	50	ND		ND		ND		ND	ND
	Oct-05	50	ND		ND		ND		ND	ND
	Apr-06	50	ND		ND		ND		ND	ND
	Oct-06	50	ND		ND		ND		ND	ND
Zinc	Jul-93	10	11	B	23	B	11	B	—	10
[1500]	Aug-93	10	—		—		—		—	ND
	Sep-93	10	—		—		—		—	ND
	Sep-93	10	—		—		—		—	ND
	Apr-94	10	36	B	98	B	65	B	—	20
	Oct-94	50	ND		ND		ND		—	ND
	Apr-95	50	ND		ND		ND		—	ND
	Oct-95	50	ND		ND		ND		—	ND
	Apr-96	50	ND		ND		ND		—	ND
	Oct-96	50	ND		ND		ND		—	ND
	Apr-97	50	—		—		ND		—	ND
	Oct-97	50	—		—		ND		—	ND
	Apr-98	50	—		—		ND		—	ND
	Oct-98	50	—		ND		—		—	ND
	Mar-99	50	ND		ND		ND		—	ND
	Jul-99	50	—		—		—		ND	ND
	Aug-99	50	—		—		—		ND	ND
	Oct-99	50	ND		ND		ND		ND	ND
	Nov-99	50	—		—		—		ND	ND
	Apr-00	50	ND		ND		ND		—	ND
	Oct-00	50	ND		ND		ND		ND	ND
	Apr-01	50	—		-		ND		—	ND
	Oct-01	50	ND		ND		ND		ND	ND
	Apr-02	50	—		ND		ND		ND	ND
	Oct-02	50	ND		ND		ND		ND	ND
	Apr-03	50	ND		ND		ND		ND	ND
	Oct-03	50	ND		ND		ND		81	ND
	Apr-04	50	ND		ND		ND		ND	ND
	Oct-04	50	ND		ND		ND		ND	ND
	Apr-05	50	ND		ND		ND		ND	ND
	Oct-05	50	ND		ND		ND		ND	ND
	Apr-06	50	100 (ND)		ND		ND		ND	ND
	Oct-06	50	ND		ND		ND		ND	ND

TABLE 7
SUMMARY OF DETECTED CONSTITUENTS
SURFACE WATER

Constituent [NC 2L in µg/L]	Date	Concentrations (µg/L)					
		RL	SWPT-1	SWPT-2	UD-1	UD-2	Blanks
Acetone [700]	Jul-93	---	ND	ND	ND	---	---
	Aug-93	---	---	---	---	---	---
	Sep-93	---	---	---	---	---	---
	Sep-93	---	---	---	---	---	---
	Apr-94	---	ND	ND	ND	---	---
	Oct-94	---	ND	ND	ND	---	---
	Apr-95	---	ND	ND	ND	---	---
	Oct-95	---	ND	ND	ND	---	---
	Apr-96	---	ND	ND	ND	---	---
	Oct-96	---	ND	ND	ND	---	---
	Apr-97	---	---	---	ND	---	---
	Oct-97	---	---	---	ND	---	---
	Apr-98	---	---	---	ND	---	---
	Oct-98	---	---	ND	---	---	---
	Mar-99	---	---	---	---	---	---
	Jul-99	---	---	---	---	ND	---
	Aug-99	---	---	---	---	ND	---
	Oct-99	---	ND	172	ND	ND	---
	Nov-99	---	---	---	---	ND	---
	Apr-00	---	ND	ND	ND	---	---
	Oct-00	---	ND	ND	ND	ND	---
	Apr-01	---	---	---	ND	---	---
	Oct-01	100	ND	ND	ND	ND	ND
	Apr-02	100	---	ND	ND	ND	ND
	Oct-02	100	ND	ND	ND	ND	ND
	Apr-03	100	ND	ND	ND	ND	ND
	Oct-03	100	ND	ND	ND	ND	ND
	Apr-04	100	ND	ND	ND	ND	ND
	Oct-04	100	ND	ND	ND	ND	ND
	Apr-05	100	ND	ND	ND	ND	ND
	Oct-05	100	ND	ND	ND	ND	ND
	Apr-06	100	ND	ND	ND	ND	ND
	Oct-06	100	ND	ND	ND	ND	ND
2-Butanone [4200]	Jul-93	---	ND	ND	ND	---	---
	Aug-93	---	---	---	---	---	---
	Sep-93	---	---	---	---	---	---
	Sep-93	---	---	---	---	---	---
	Apr-94	---	ND	ND	ND	---	---
	Oct-94	---	ND	ND	ND	---	---
	Apr-95	---	ND	ND	ND	---	---
	Oct-95	---	ND	ND	ND	---	---
	Apr-96	---	ND	ND	ND	---	---
	Oct-96	---	ND	ND	ND	---	---
	Apr-97	---	---	---	ND	---	---
	Oct-97	---	---	---	ND	---	---
	Apr-98	---	---	---	ND	---	---
	Oct-98	---	---	ND	---	---	---
	Mar-99	---	---	---	---	---	---
	Jul-99	---	---	---	---	ND	---
	Aug-99	---	---	---	---	ND	---
	Oct-99	---	ND	137	ND	ND	---
	Nov-99	---	---	---	---	ND	---
	Apr-00	---	ND	ND	ND	---	---
	Oct-00	---	ND	ND	ND	ND	---
	Apr-01	---	---	---	ND	---	---
	Oct-01	100	ND	ND	ND	ND	ND
	Apr-02	100	---	ND	ND	ND	ND
	Oct-02	100	ND	ND	ND	ND	ND
	Apr-03	100	ND	ND	ND	ND	ND
	Oct-03	100	ND	ND	ND	ND	ND
	Apr-04	100	ND	ND	ND	ND	ND
	Oct-04	100	ND	ND	ND	ND	ND
	Apr-05	100	ND	ND	ND	ND	ND
	Oct-05	100	ND	ND	ND	ND	ND
	Apr-06	100	ND	ND	ND	ND	ND
	Oct-06	100	ND	ND	ND	ND	ND

TABLE 7
SUMMARY OF DETECTED CONSTITUENTS
SURFACE WATER

Constituent	Date	Concentrations (µg/L)					
[NC 2L in µg/L]		RL	SWPT-1	SWPT-2	UD-1	UD-2	Blanks
Toluene	Jul-93	—	ND	ND	ND	—	—
[1000]	Aug-93	—	—	—	—	—	—
	Sep-93	—	—	—	—	—	—
	Sep-93	—	—	—	—	—	—
	Apr-94	—	ND	ND	ND	—	—
	Oct-94	—	12	ND	33	—	—
	Apr-95	—	ND	ND	ND	—	—
	Oct-95	—	ND	ND	ND	—	—
	Apr-96	—	ND	ND	ND	—	—
	Oct-96	—	ND	11	ND	—	—
	Apr-97	—	—	—	ND	—	—
	Oct-97	—	—	—	ND	—	—
	Apr-98	—	—	—	ND	—	—
	Oct-98	—	—	ND	—	—	—
	Mar-99	—	—	—	—	—	—
	Jul-99	—	—	—	—	ND	—
	Aug-99	—	—	—	—	ND	—
	Oct-99	—	ND	ND	ND	ND	—
	Nov-99	—	—	—	—	ND	—
	Apr-00	—	ND	ND	ND	—	—
	Oct-00	—	ND	ND	ND	ND	—
	Apr-01	—	—	—	ND	—	—
	Oct-01	5	ND	ND	ND	ND	ND
	Apr-02	5	—	ND	ND	ND	ND
	Oct-02	5	ND	ND	ND	ND	ND
	Apr-03	5	ND	ND	ND	ND	ND
	Oct-03	5	ND	ND	ND	ND	ND
	Apr-04	5	ND	ND	ND	ND	ND
	Oct-04	5	ND	ND	ND	ND	ND
	Apr-05	5	ND	ND	ND	ND	ND
	Oct-05	5	ND	ND	ND	ND	ND
	Apr-06	5	ND	ND	ND	ND	ND
	Oct-06	5	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.
5. ND = not detected above laboratory reporting limit (= NC PQL)
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 2L Drinking Water Standards.
8. * = proposed NC 2L Drinking Water Standard
9. SMPT-1 and SMPT-2 were not sampled during the April and October 1997 events due to dry conditions.
10. SMPT-2 was not sampled during the April 1998 event due to dry conditions.
11. SMPT-1 and UD-1 were not sampled during the October 1998 event due to dry conditions.
12. SMPT-1 and SMPT-2 were not sampled during the April 2001 event due to dry conditions.
13. — = not available
14. ( ) = resample event results

TABLE 8
SUMMARY OF FIELD PARAMETERS
SURFACE WATER

Field Parameters	Date	SWPT-1	SWPT-2	UD-1	UD-2
Conductivity [uMhos]	Jul-93	80	340	50	---
	Apr-94	310	450	610	---
	Oct-94	490	500	1100	---
	Apr-95	500	380	480	---
	Oct-95	480	910	500	---
	Apr-96	400	560	390	---
	Oct-96	460	920	260	---
	Apr-97	---	---	840	---
	Oct-97	---	---	1900	---
	Apr-98	---	---	420	---
	Oct-98	---	680	---	---
	Jul-99	---	---	---	160
	Aug-99	---	---	---	1300
	Oct-99	450	880	320	980
	Nov-99	---	---	---	780
	Apr-00	420	3000	470	---
	Oct-00	110	1100	480	790
	Apr-01	---	---	380	---
	Oct-01	320	320	870	630
	Apr-02	---	1800	510	640
	Oct-02	1000	1700	620	778
	Apr-03	601	1048	1181	894
	Oct-03	741	974	481	1331
	Apr-04	340	380	120	690
	Oct-04	255	363	375	329
	Apr-05	677	795	1281	1021
	Oct-05	722	522	199	607
	Apr-06	616	1010	1122	1034
	Oct-06	456	523	530	538
pH [units]	Jun-93	5.9	6.3	6.3	---
	Apr-94	6.7	7.0	7.2	---
	Oct-94	7.2	7.3	7.6	---
	Apr-95	7.2	7.1	7.3	---
	Oct-95	7.1	7.5	7.4	---
	Apr-96	7.1	6.0	7.1	---
	Oct-96	6.1	6.8	6.8	---
	Apr-97	---	---	6.3	---
	Oct-97	---	---	7.1	---
	Apr-98	---	---	7.0	---
	Oct-98	---	6.1	---	---
	Jul-99	---	---	---	7.0
	Aug-99	---	---	---	6.2
	Oct-99	7.4	7.2	7.1	7.1
	Nov-99	---	---	---	6.6
	Apr-00	6.9	8.1	6.6	---
	Oct-00	7.0	7.6	6.6	6.4
	Apr-02	---	---	6.5	---
	Oct-02	7.0	7.3	7.4	5.2
	Apr-02	---	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
	Apr-04	7.2	7.1	7.6	6.8
	Oct-04	7.4	4.0	7.0	7.2
	Apr-05	7.4	7.5	8.0	7.3
	Oct-05	7.3	7.0	6.9	7.1
	Apr-06	7.0	7.1	8.0	6.8
	Oct-06	7.1	7.8	7.2	7.1

TABLE 8
SUMMARY OF FIELD PARAMETERS
SURFACE WATER

Field Parameters	Date	SWPT-1	SWPT-2	UD-1	UD-2
Temperature [°C]	Jun-93	17	15	15	---
	Apr-94	23	20	23	---
	Oct-94	17	16	18	---
	Apr-95	20	22	18	---
	Oct-95	19	19	22	---
	Apr-96	11	10	11	---
	Oct-96	21	21	23	---
	Apr-97	---	---	15	---
	Oct-97	---	---	15	---
	Apr-98	---	---	19	---
	Oct-98	---	20	---	---
	Jul-99	---	---	---	24
	Aug-99	---	---	---	23
	Oct-99	21	18	18	19
	Nov-99	---	---	---	14
	Apr-00	11	15	19	---
	Oct-00	13	13	15	15
	Apr-02	---	---	20	---
	Oct-02	16	16	18	18
	Apr-02	---	16	20	18
	Oct-02	25	22	22	22
	Apr-03	20	19	17	24
	Oct-03	17	15	15	15
	Apr-04	13	12	13	13
	Oct-04	20	20	19	19
	Apr-05	17	15	16	14
	Oct-05	15	13	14	14
	Apr-06	18	16	24	17
	Oct-06	21	26	21	23
Turbidity [NTU]	Jun-93	---	---	---	---
	Apr-94	---	---	---	---
	Oct-94	---	---	---	---
	Apr-95	---	---	---	---
	Oct-95	---	---	---	---
	Apr-96	---	---	---	---
	Oct-96	---	---	---	---
	Apr-97	---	---	---	---
	Oct-97	---	---	---	---
	Apr-98	---	---	---	---
	Oct-98	---	38	---	---
	Jul-99	---	---	---	---
	Aug-99	---	---	---	300
	Oct-99	160	120	65	70
	Nov-99	---	---	---	21
	Apr-00	14	310	25	---
	Oct-00	100	120	46	11
	Apr-02	---	---	26	---
	Oct-02	70	60	4.2	60
	Apr-02	---	21	8.6	140
	Oct-02	28	32	25	130
	Apr-03	33	60	35	170
	Oct-03	26	14	27	39
	Apr-04	28	55	50	330
	Oct-04	180	90	80	110
	Apr-05	23	80	27	8.1
	Oct-05	25	45	27	40
	Apr-06	34	21	13	11
	Oct-06	50	70	28	80

Notes:
1. --- = not available

TABLE 9
GROUNDWATER ELEVATION SUMMARY TABLE
TUSCARORA INTERIM REGIONAL LANDFILL

	MONITORING WELL WATER LEVEL ELEVATIONS																
Well No.	**IRL-1S**	**IRL-1D**	**IRL-2S**	**IRL-2SA**	**IRL-2D**	**IRL-2DA**	**IRL-3S**	**IRL-3D**	**IRL-4S**	**IRL-4D**	**IRL-5S**	**IRL-5D**	**IRL-6S**	**IRL-6D**	**MW-A**	**MW-B**	**PZ-Z**
Well TOC Elev.	50.56	50.19	49.36	51.37	49.55	51.58	49.02	48.93	48.34	48.35	48.78	48.66	47.92	47.12	46.04	48.90	49.52
Well Depth	17.73	45.20	12.30	17.68	30.80	30.95	16.40	39.22	14.99	34.64	14.62	35.42	15.10	30.10	20.40	14.90	---
Jul-93	46.57	36.02	38.61	---	35.00	---	38.68	34.26	43.13	34.24	40.19	34.73	38.01	35.34	---	---	---
Aug-93	44.94	35.46	38.04	---	34.36	---	38.57	33.68	42.02	33.54	39.58	34.13	37.56	34.81	---	---	---
Sep-93	44.29	34.70	37.97	---	33.89	---	38.42	32.97	41.77	33.01	39.50	33.39	37.53	34.08	---	---	---
Sep-93	45.07	34.42	37.97	---	33.45	---	38.85	32.58	41.33	32.69	39.51	33.07	37.59	33.71	---	---	---
Apr-94	45.55	38.93	39.28	---	38.03	---	37.74	37.27	39.48	37.33	37.95	37.79	37.66	38.31	---	---	---
Oct-94	44.90	35.97	37.86	---	35.02	---	37.84	34.38	38.54	34.39	37.52	34.86	37.39	35.38	---	---	---
Apr-95	45.50	38.73	39.49	---	37.82	---	38.02	37.15	38.82	37.16	37.56	37.60	37.53	38.14	---	---	---
Oct-95	45.12	35.41	38.17	---	34.65	---	37.11	34.06	38.79	34.05	37.41	34.44	37.41	34.84	---	---	---
Apr-96	46.60	40.25	39.98	---	39.52	---	38.98	38.82	38.58	38.83	37.51	39.28	37.67	39.73	---	---	---
Oct-96	46.12	---	---	---	---	---	37.88	39.01	38.52	39.06	37.29	---	38.11	---	---	---	---
Dec-96	47.26	40.19	39.56	---	39.25	---	38.12	38.73	37.94	38.85	37.28	39.26	38.32	39.82	---	---	---
Apr-97	45.35	---	38.98	---	---	---	37.71	37.50	38.82	37.54	37.30	---	---	---	---	---	---
Mar-97	46.65	40.46	39.86	---	39.65	---	37.67	39.00	38.70	39.03	37.40	39.48	38.82	39.92	---	---	---
Oct-97	43.40	---	37.87	---	---	---	37.68	---	38.18	32.92	37.04	---	---	39.73	---	---	---
Apr-98	46.18	---	38.89	---	---	---	38.05	38.57	38.51	38.62	37.52	---	37.84	---	---	---	---
Oct-98	44.11	36.69	36.86	---	35.94	---	37.52	35.32	37.78	35.38	37.23	35.79	---	---	---	---	---
Mar-99	46.10	---	38.11	---	38.55	---	38.35	37.95	38.35	37.99	38.18	38.39	---	---	---	---	---
Jul-99	43.89	36.25	---	---	35.62	---	38.31	35.06	39.37	35.10	38.92	35.47	---	---	---	---	---
Aug-99	43.27	34.79	---	---	33.90	---	38.18	33.34	39.37	33.41	38.96	33.75	---	---	---	---	---
Oct-99	47.38	40.16	---	---	39.39	---	41.56	38.75	40.85	38.80	40.21	39.20	---	---	---	---	---
Nov-99	45.52	39.56	---	---	38.81	---	38.70	38.16	39.21	38.23	39.29	38.65	---	---	---	---	---
Apr-00	45.71	39.77	---	---	39.00	---	39.54	38.35	39.61	38.45	39.34	38.84	---	---	---	---	---
Oct-00	44.52	38.90	---	---	38.10	---	39.76	37.43	39.46	37.52	39.45	37.94	---	---	---	---	---
Apr-01	46.00	39.96	---	43.70	---	40.19	40.15	38.62	40.11	38.69	39.59	39.06	---	---	40.98	39.55	40.93
Oct-01	43.36	36.31	---	39.92	---	37.28	38.61	35.03	38.97	35.08	39.89	35.46	---	---	38.76	38.65	38.56
Apr-02	44.88	38.85	---	41.38	---	39.20	39.02	37.53	39.66	37.60	39.42	37.99	---	---	39.69	40.16	41.43
Oct-02	44.93	34.93	---	40.97	---	35.38	39.22	33.76	40.23	33.87	39.79	34.21	---	---	39.78	39.35	37.70
Apr-03	46.28	40.03	---	44.11	---	40.35	39.75	38.65	42.03	38.73	40.62	39.16	---	---	40.41	40.94	40.63
Oct-03	46.72	40.36	---	44.43	---	40.67	40.21	38.97	41.68	39.03	40.83	39.46	---	---	40.93	40.80	41.70
Apr-04	47.23	39.69	---	44.93	---	40.05	40.72	38.33	41.40	38.44	40.54	38.83	---	---	40.94	40.80	41.25
Oct-04	44.14	39.23	---	42.05	---	38.60	40.21	37.88	40.27	37.96	40.10	38.41	---	---	39.98	39.50	40.74
Apr-05	44.81	---	---	---	---	40.33	40.21	38.56	40.13	38.66	39.92	39.12	---	---	37.79	---	41.27
Oct-05	46.74	---	---	---	---	41.01	40.88	39.18	41.16	39.31	40.44	39.70	---	---	40.67	---	42.03
Apr-06	44.90	39.71	---	---	---	39.89	40.41	38.23	40.31	38.35	40.07	38.77	---	---	40.15	---	41.10
Oct-06	45.45	39.71	---	---	---	40.00	39.80	38.28	40.86	38.37	40.18	38.79	---	---	40.58	---	41.01

NOTES:
1. All elevations are referenced to mean sea level.
2. --- = no data available

TABLE 10
GROUNDWATER ELEVATION SUMMARY TABLE
TUSCARORA LONG-TERM REGIONAL LANDFILL

	MONITORING WELL WATER LEVEL ELEVATIONS										
Well No.	**MW-7**	**MW-8**	**MW-9**	**MW-10**	**MW-11S**	**MW-11D**	**MW-12S**	**MW-12D**	**MW-13S**	**MW-13D**	**MW-14**
Well TOC Elev.	50.69	50.94	53.11	47.32	47.67	47.55	52.12	51.90	46.21	45.93	46.44
Well Depth	16.22	15.61	22.00	15.95	14.03	34.73	35.95	17.96	15.00	33.00	14.00
Jul-99	46.76	46.16	44.87	44.60	38.94	36.60	---	---	---	---	---
Aug-99	45.10	44.41	44.76	43.13	39.19	34.87	---	---	---	---	---
Oct-99	46.94	46.08	46.49	43.34	40.79	40.34	---	---	---	---	---
Nov-99	46.19	44.13	44.75	42.34	38.85	39.71	---	---	---	---	---
Apr-00	46.96	45.66	45.11	42.96	39.04	39.93	---	---	---	---	---
Oct-00	45.79	43.94	45.59	42.30	38.74	39.05	---	---	---	---	---
Apr-01	47.33	45.62	44.60	43.60	39.37	40.16	---	---	---	---	---
Oct-01	44.81	42.99	43.26	41.57	38.92	35.41	---	---	---	---	---
Apr-02	43.86	44.74	44.26	43.10	39.39	39.09	43.69	40.78	---	---	---
Oct-02	45.18	44.19	43.91	41.28	39.49	35.26	45.15	36.77	---	---	---
Apr-03	47.26	45.74	45.86	43.27	40.40	40.24	45.77	42.00	---	---	---
Oct-03	47.98	46.34	46.33	42.64	41.67	40.44	46.32	42.32	---	---	---
Apr-04	47.78	46.47	46.40	43.40	41.57	38.78	46.79	41.70	43.27	38.93	43.96
Oct-04	46.69	45.04	---	43.09	40.29	39.53	45.16	41.09	41.28	38.41	41.46
Apr-05	47.05	44.88	---	43.29	40.28	40.18	44.54	41.89	43.29	39.19	42.77
Oct-05	47.16	46.12	---	42.63	41.93	40.81	45.51	42.62	44.51	39.82	43.64
Apr-06	47.12	46.02	---	43.53	40.37	39.89	45.43	41.59	43.17	38.82	42.53
Oct-06	47.20	46.27	---	43.05	40.85	39.87	45.70	41.72	44.03	38.79	---

NOTES:
1. All elevations are referenced to mean sea level.
2. --- = no data available
3. The groundwater elevations for MW-9 are considered suspect.
4. Monitoring well MW-9 was abandoned on July 15, 2004.
5. MW-14 was accidentally destroyed after the April 2006 monitoring event.

TABLE 11
GROUNDWATER ELEVATION SUMMARY TABLE
LEACHATE STORAGE LAGOON AREA

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

NOTES:
1. All elevations are referenced to mean sea level.
2. --- = no data available

TABLE 12
ESTIMATED HYDRAULIC GRADIENTS AND AVERAGE LINEAR VELOCITIES FOR THE SHALLOW AQUIFER
CRSWMA REGIONAL LANDFILL

			October 2006				
GRADIENT CALCULATION SEGMENT	FLOW LINE LENGTH (feet)	FLOW DIRECTION	GROUND-WATER ELEV. (feet)	HORIZ. GRADIENT, i (ft/ft)	HYDRAULIC CONDUCTIVITY, K (cm/s)	EFFECTIVE POROSITY n	LINEAR VELOCITY, V (ft/day)
i_1	1717	E	47 42	0.0029	2.00E-04	0.17	0.010
i_2	1219	SE	47 40	0.0057	2.00E-04	0.17	0.019
i_3	1661	SE-S	46 40	0.0036	2.00E-04	0.17	0.012

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 13
ESTIMATED HYDRAULIC GRADIENTS AND AVERAGE LINEAR VELOCITIES FOR THE DEEP AQUIFER
CRSWMA REGIONAL LANDFILL

			October 2006				
GRADIENT CALCULATION SEGMENT	FLOW LINE LENGTH (feet)	FLOW DIRECTION	GROUND-WATER ELEV. (feet)	HORIZ. GRADIENT, i (ft/ft)	HYDRAULIC CONDUCTIVITY, K (cm/s)	EFFECTIVE POROSITY n	LINEAR VELOCITY, V (ft/day)
i_4	1356	SE-E	41 39	0.00147	1.90E-03	0.25	0.032
i_5	2726	SE-E	41 39	0.00073	1.90E-03	0.25	0.016
i_6	394	S-SE	40 39	0.00254	1.90E-03	0.25	0.055

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.

Summary of Statistical Analyses – Second Semiannual Groundwater Monitoring Report of 2006

CRSWMA Regional Landfill
Summary of Statistical Analyses
October 2006 Sampling Event

Analyte	Data Distribution	Statistical Method used to Establish Background	Background (µg/L)	Noted Increases
Antimony			n/e	
Arsenic			n/e	
Barium			n/e	
Beryllium			n/e	
Cadmium			n/e	
Chromium	n/a	Nonparametric Prediction Interval	87	
Cobalt			n/e	
Copper			n/e	
Lead			n/e	
Nickel			n/e	
Selenium			n/e	
Thallium			n/e	
Vanadium			n/e	
Zinc	n/a	Nonparametric Prediction Interval	192	

Notes:
1. n/a = not applicable
2. n/e = not established
3. The Summary of Statistical Analysis table shows any noted increases from the Interim Regional Landfill and Long-Term Regional Landfill.

Detailed Results

JEI Project: Tuscarora Regional Landfill
Project No: 618.02.15
Sample Date: October-06

Analyte: Chromium

Sample No.	Sample Date	Location	Concentration
1	Jul-93	IRL-1S	36
2	Aug-93	IRL-1S	14
3	Sep-93	IRL-1S	11
4	Sep-93	IRL-1S	19
5	Apr-94	IRL-1S	10
6	Oct-94	IRL-1S	ND
7	Apr-95	IRL-1S	ND
8	Oct-95	IRL-1S	13
9	Apr-96	IRL-1S	ND
10	Oct-96	IRL-1S	39
11	Apr-97	IRL-1S	23
12	Oct-97	IRL-1S	50
13	Apr-98	IRL-1S	18
14	Oct-98	IRL-1S	ND
15	Mar-99	IRL-1S	58
16	Oct-99	IRL-1S	21
17	Apr-00	IRL-1S	87
18	Oct-00	IRL-1S	21
19	Apr-01	IRL-1S	11
20	Oct-01	IRL-1S	ND
21	Apr-02	IRL-1S	ND
22	Oct-02	IRL-1S	15
23	Apr-03	IRL-1S	ND
24	Oct-03	IRL-1S	12
25	Apr-04	IRL-1S	13
26	Oct-04	IRL-1S	ND
27	Apr-05	IRL-1S	ND
28	Oct-05	IRL-1S	ND
29	Apr-06	IRL-1S	ND
30	Oct-06	IRL-1S	ND
31	Jul-93	IRL-1D	18
32	Aug-93	IRL-1D	8
33	Sep-93	IRL-1D	11
34	Sep-93	IRL-1D	43
35	Apr-94	IRL-1D	ND
36	Oct-94	IRL-1D	ND
37	Apr-95	IRL-1D	ND
38	Oct-95	IRL-1D	ND
39	Apr-96	IRL-1D	ND
40	Oct-05	IRL-1D	29
41	Apr-06	IRL-1D	ND
42	Oct-06	IRL-1D	ND
43	Apr-02	MW-12S	ND
44	Oct-02	MW-12S	ND
45	Apr-03	MW-12S	ND
46	Oct-03	MW-12S	ND
47	Apr-04	MW-12S	ND
48	Oct-04	MW-12S	ND
49	Apr-05	MW-12S	ND
50	Oct-05	MW-12S	ND
51	Apr-06	MW-12S	ND
52	Oct-06	MW-12S	ND
53	Apr-02	MW-12D	ND
54	Oct-02	MW-12D	ND
55	Apr-03	MW-12D	ND
56	Oct-03	MW-12D	ND
57	Apr-04	MW-12D	ND
58	Oct-04	MW-12D	ND
59	Apr-05	MW-12D	ND
60	Oct-05	MW-12D	ND
61	Apr-06	MW-12D	ND
62	Oct-06	MW-12D	ND

Notes:
- All concentrations in micrograms per liter.
- Blank qualified data not used in statistical calculations.

Percent Nondetect: 62.9%

Nonparametric Prediciton Limit : 87

JEI Project: Tuscarora Regional Landfill
Project No: 618.02.15
Sample Date: October-06

Analyte: Zinc

Sample No.	Sample Date	Location	Concentration	
1	Jul-93	IRL-1S	42	B
2	Aug-93	IRL-1S	37	
3	Sep-93	IRL-1S	31	
4	Sep-93	IRL-1S	73	
5	Apr-94	IRL-1S	36	B
6	Oct-94	IRL-1S	ND	
7	Apr-95	IRL-1S	ND	
8	Oct-95	IRL-1S	ND	
9	Apr-96	IRL-1S	ND	
10	Oct-96	IRL-1S	ND	
11	Apr-97	IRL-1S	ND	
12	Oct-97	IRL-1S	110	
13	Apr-98	IRL-1S	ND	
14	Oct-98	IRL-1S	ND	
15	Mar-99	IRL-1S	ND	
16	Oct-99	IRL-1S	ND	
17	Apr-00	IRL-1S	90	
18	Oct-00	IRL-1S	ND	
19	Apr-01	IRL-1S	ND	
20	Oct-01	IRL-1S	ND	
21	Apr-02	IRL-1S	ND	
22	Oct-02	IRL-1S	ND	
23	Apr-03	IRL-1S	ND	
24	Oct-03	IRL-1S	ND	
25	Apr-04	IRL-1S	ND	
26	Oct-04	IRL-1S	ND	
27	Apr-05	IRL-1S	ND	
28	Oct-05	IRL-1S	ND	
29	Apr-06	IRL-1S	ND	
30	Oct-06	IRL-1S	ND	
31	Jul-93	IRL-1D	41	B
32	Aug-93	IRL-1D	18	
33	Sep-93	IRL-1D	20	
34	Sep-93	IRL-1D	88	
35	Apr-94	IRL-1D	19	B
36	Oct-94	IRL-1D	ND	
37	Apr-95	IRL-1D	ND	
38	Oct-95	IRL-1D	ND	
39	Apr-96	IRL-1D	ND	
40	Oct-05	IRL-1D	192	
41	Apr-06	IRL-1D	ND	
42	Oct-06	IRL-1D	ND	
43	Apr-02	MW-12S	ND	
44	Oct-02	MW-12S	ND	
45	Apr-03	MW-12S	ND	
46	Oct-03	MW-12S	11	
47	Apr-04	MW-12S	ND	
48	Oct-04	MW-12S	ND	
49	Apr-05	MW-12S	ND	
50	Oct-05	MW-12S	ND	
51	Apr-06	MW-12S	ND	
52	Oct-06	MW-12S	ND	
53	Apr-02	MW-12D	ND	
54	Oct-02	MW-12D	ND	
55	Apr-03	MW-12D	ND	
56	Oct-03	MW-12D	ND	
57	Apr-04	MW-12D	ND	
58	Oct-04	MW-12D	ND	
59	Apr-05	MW-12D	ND	
60	Oct-05	MW-12D	ND	
61	Apr-06	MW-12D	ND	
62	Oct-06	MW-12D	ND	

Notes:
- All concentrations in micrograms per liter.
- Blank qualified data not used in statistical calculations.

Percent Nondetect: 82.8%

Nonparametric Prediciton Limit : 192

Environment 1, Incorporated

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

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

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6035

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

DATE COLLECTED: 10/12/06
DATE REPORTED : 10/31/06

REVIEWED BY:

PARAMETERS	Leachate Storage 1S	Leachate Storage 1D	Leachate Storage 2S	Leachate Storage 2D	Leachate Storage 3S	Analysis Date	Analyst	Method Code
PH (field measurement), Units	4.8	7.0	4.8		4.7	10/12/06	RJH	EPA150.1
Antimony, mg/l	<0.030	<0.030	<0.030		<0.030	10/17/06	CMF	EPA200.8
Arsenic, mg/l	<0.010	<0.010	<0.010		<0.010	10/17/06	CMF	EPA200.8
Barium, mg/l	<0.500	<0.500	<0.500		<0.500	10/17/06	CMF	EPA200.8
Beryllium, mg/l	<0.002	<0.002	<0.002		<0.002	10/17/06	CMF	EPA200.8
Cadmium, mg/l	<0.001	<0.001	<0.001		<0.001	10/17/06	CMF	EPA200.8
Cobalt, mg/l	<0.010	<0.010	<0.010		<0.010	10/17/06	CMF	EPA200.8
Copper, mg/l	<0.200	<0.200	<0.200		<0.200	10/17/06	CMF	EPA200.8
Total Chromium, mg/l	<0.010	<0.010	<0.010		0.017	10/17/06	CMF	EPA200.8
Lead, mg/l	<0.010	<0.010	<0.010		<0.010	10/17/06	CMF	EPA200.8
Nickel, mg/l	<0.050	<0.050	<0.050		<0.050	10/17/06	CMF	EPA200.8
Selenium, mg/l	<0.020	<0.020	<0.020		<0.020	10/17/06	CMF	EPA200.8
Silver, mg/l	<0.010	<0.010	<0.010		<0.010	10/17/06	CMF	EPA200.8
Thallium, mg/l	<0.010	<0.010	<0.010		<0.010	10/17/06	CMF	EPA200.8
Vanadium, mg/l	<0.040	<0.040	<0.040		<0.040	10/17/06	CMF	EPA200.8
Zinc, mg/l	<0.050	<0.050	<0.050		0.068	10/17/06	CMF	EPA200.8
Turbidity, NTU	12	50	<1.54		310	10/13/06	ACM	SM2130B
Conductivity (at 25c), uMhos	87	489	94		48	01/23/06	RJH	SM2510B
Temperature, °C	21	19	22		21	10/12/06	RJH	SM2550B
Static Water Level, feet	4.41	10.81	4.62	10.58	5.68	10/12/06	RJH	
Well Depth, feet	15.04	34.86	14.45	33.29	17.65	10/12/06	RJH	

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Environment 1, Incorporated

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

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

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6035

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

DATE COLLECTED: 10/12/06
DATE REPORTED : 10/31/06

REVIEWED BY:

PARAMETERS	Leachate Storage 3D	Leachate Storage 4S	Leachate Storage 4D	Leachate Storage 5S	Leachate Storage 5D	Analysis Date	Analyst	Method Code
PH (field measurement), Units		5.0		6.5	6.9	10/12/06	RJH	EPA150.1
Antimony, mg/l		<0.030		<0.030	<0.030	10/17/06	CMF	EPA200.8
Arsenic, mg/l		<0.010		<0.010	<0.010	10/17/06	CMF	EPA200.8
Barium, mg/l		<0.500		<0.500	<0.500	10/17/06	CMF	EPA200.8
Beryllium, mg/l		<0.002		<0.002	<0.002	10/17/06	CMF	EPA200.8
Cadmium, mg/l		<0.001		<0.001	<0.001	10/17/06	CMF	EPA200.8
Cobalt, mg/l		<0.010		<0.010	<0.010	10/17/06	CMF	EPA200.8
Copper, mg/l		<0.200		<0.200	<0.200	10/17/06	CMF	EPA200.8
Total Chromium, mg/l		<0.010		<0.010	<0.010	10/17/06	CMF	EPA200.8
Lead, mg/l		<0.010		<0.010	<0.010	10/17/06	CMF	EPA200.8
Nickel, mg/l		<0.050		<0.050	<0.050	10/17/06	CMF	EPA200.8
Selenium, mg/l		<0.020		<0.020	<0.020	10/17/06	CMF	EPA200.8
Silver, mg/l		<0.010		<0.010	<0.010	10/17/06	CMF	EPA200.8
Thallium, mg/l		<0.010		<0.010	<0.010	10/17/06	CMF	EPA200.8
Vanadium, mg/l		<0.040		<0.040	<0.040	10/17/06	CMF	EPA200.8
Zinc, mg/l		<0.050		<0.050	<0.050	10/17/06	CMF	EPA200.8
Turbidity, NTU		10		25	60	10/13/06	ACM	SM2130B
Conductivity (at 25c), uMhos		52		134	489	01/23/06	RJH	SM2510B
Temperature, °C		21		23	19	10/12/06	RJH	SM2550B
Static Water Level, feet	11.44	4.98	10.98	5.45	12.03	10/12/06	RJH	
Well Depth, feet	34.85	17.62	36.12	15.41	38.66	10/12/06	RJH	

Environment 1, Incorporated

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

PHONE (252) 756-6208
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Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6035

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

DATE COLLECTED: 10/12/06
DATE REPORTED : 10/31/06

REVIEWED BY:

PARAMETERS	Leachate Storage 6S	Leachate Storage 6D	Equipment Blank	Trip Blank	Analysis Date	Analyst	Method Code
PH (field measurement), Units	5.0				10/12/06	RJH	EPA150.1
Antimony, mg/l	<0.030		<0.030		10/17/06	CMF	EPA200.8
Arsenic, mg/l	<0.010		<0.010		10/17/06	CMF	EPA200.8
Barium, mg/l	<0.500		<0.500		10/17/06	CMF	EPA200.8
Beryllium, mg/l	<0.002		<0.002		10/17/06	CMF	EPA200.8
Cadmium, mg/l	<0.001		<0.001		10/17/06	CMF	EPA200.8
Cobalt, mg/l	<0.010		<0.010		10/17/06	CMF	EPA200.8
Copper, mg/l	<0.200		<0.200		10/17/06	CMF	EPA200.8
Total Chromium, mg/l	<0.010		<0.010		10/17/06	CMF	EPA200.8
Lead, mg/l	<0.010		<0.010		10/17/06	CMF	EPA200.8
Nickel, mg/l	<0.050		<0.050		10/17/06	CMF	EPA200.8
Selenium, mg/l	<0.020		<0.020		10/17/06	CMF	EPA200.8
Silver, mg/l	<0.010		<0.010		10/17/06	CMF	EPA200.8
Thallium, mg/l	<0.010		<0.010		10/17/06	CMF	EPA200.8
Vanadium, mg/l	<0.040		<0.040		10/17/06	CMF	EPA200.8
Zinc, mg/l	<0.050		<0.050		10/17/06	CMF	EPA200.8
Turbidity, NTU	70				10/13/06	ACM	SM2130B
Conductivity (at 25c), uMhos	50				01/23/06	RJH	SM2510B
Temperature, °C	22				10/12/06	RJH	SM2550B
Static Water Level, feet	6.28	10.29			10/12/06	RJH	
Well Depth, feet	16.44	34.37			10/12/06	RJH	

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

ANALYST: MAO
DATE COLLECTED: 10/12/06
DATE ANALYZED: 10/23/06
DATE REPORTED: 10/31/06

REVIEWED BY: _____

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	Leachate Storage 1S	Leachate Storage 1D	Leachate Storage 2S	Leachate Storage 3S	Leachate Storage 4S
1. Chloromethane	<10.00	<10.00	<10.00	<10.00	<10.00
2. Vinyl Chloride	<10.00	<10.00	<10.00	<10.00	<10.00
3. Bromomethane	<10.00	<10.00	<10.00	<10.00	<10.00
4. Chloroethane	<10.00	<10.00	<10.00	<10.00	<10.00
5. Trichlorofluoromethane	<5.00	<5.00	<5.00	<5.00	<5.00
6. 1,1-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
7. Acetone	<100.00	<100.00	<100.00	<100.00	<100.00
8. Iodomethane	<10.00	<10.00	<10.00	<10.00	<10.00
9. Carbon Disulfide	<100.00	<100.00	<100.00	<100.00	<100.00
10. Methylene Chloride	<10.00	<10.00	<10.00	<10.00	<10.00
11. trans-1,2-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
12. 1,1-Dichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
13. Vinyl Acetate	<50.00	<50.00	<50.00	<50.00	<50.00
14. Cis-1,2-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
15. 2-Butanone	<100.00	<100.00	<100.00	<100.00	<100.00
16. Bromochloromethane	<5.00	<5.00	<5.00	<5.00	<5.00
17. Chloroform	<5.00	<5.00	<5.00	<5.00	<5.00
18. 1,1,1-Trichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
19. Carbon Tetrachloride	<10.00	<10.00	<10.00	<10.00	<10.00
20. Benzene	<5.00	<5.00	<5.00	<5.00	<5.00
21. 1,2-Dichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
22. Trichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
23. 1,2-Dichloropropane	<5.00	<5.00	<5.00	<5.00	<5.00
24. Bromodichloromethane	<5.00	<5.00	<5.00	<5.00	<5.00
25. Cis-1,3-Dichloropropene	<10.00	<10.00	<10.00	<10.00	<10.00
26. 4-Methyl-2-Pentanone	<100.00	<100.00	<100.00	<100.00	<100.00
27. Toluene	<5.00	<5.00	<5.00	<5.00	<5.00
28. trans-1,3-Dichloropropene	<10.00	<10.00	<10.00	<10.00	<10.00
29. 1,1,2-Trichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
30. Tetrachloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
31. 2-Hexanone	<50.00	<50.00	<50.00	<50.00	<50.00
32. Dibromochloromethane	<5.00	<5.00	<5.00	<5.00	<5.00
33. 1,2-Dibromoethane	<5.00	<5.00	<5.00	<5.00	<5.00
34. Chlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
35. 1,1,1,2-Tetrachloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
36. Ethylbenzene	<5.00	<5.00	<5.00	<5.00	<5.00
37. Xylenes	<5.00	<5.00	<5.00	<5.00	<5.00
38. Dibromomethane	<10.00	<10.00	<10.00	<10.00	<10.00
39. Styrene	<10.00	<10.00	<10.00	<10.00	<10.00
40. Bromoform	<5.00	<5.00	<5.00	<5.00	<5.00
41. 1,1,2,2-Tetrachloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
42. 1,2,3-Trichloropropane	<15.00	<15.00	<15.00	<15.00	<15.00
43. 1,4-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
44. 1,2-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
45. 1,2-Dibromo-3-Chloropropane	<25.00	<25.00	<25.00	<25.00	<25.00
46. Acrylonitrile	<200.00	<200.00	<200.00	<200.00	<200.00
47. trans-1,4-Dichloro-2-Butene	<100.00	<100.00	<100.00	<100.00	<100.00

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: MAO
DATE COLLECTED: 10/12/06
DATE ANALYZED: 10/23/06
DATE REPORTED: 10/31/06

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	Leachate Storage 5S	Leachate Storage 5D	Leachate Storage 6S	Equipment Blank	Trip Blank
1. Chloromethane	<10.00	<10.00	<10.00	<10.00	<10.00
2. Vinyl Chloride	<10.00	<10.00	<10.00	<10.00	<10.00
3. Bromomethane	<10.00	<10.00	<10.00	<10.00	<10.00
4. Chloroethane	<10.00	<10.00	<10.00	<10.00	<10.00
5. Trichlorofluoromethane	<5.00	<5.00	<5.00	<5.00	<5.00
6. 1,1-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
7. Acetone	<100.00	<100.00	<100.00	<100.00	<100.00
8. Iodomethane	<10.00	<10.00	<10.00	<10.00	<10.00
9. Carbon Disulfide	<100.00	<100.00	<100.00	<100.00	<100.00
10. Methylene Chloride	<10.00	<10.00	<10.00	<10.00	<10.00
11. trans-1,2-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
12. 1,1-Dichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
13. Vinyl Acetate	<50.00	<50.00	<50.00	<50.00	<50.00
14. Cis-1,2-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
15. 2-Butanone	<100.00	<100.00	<100.00	<100.00	<100.00
16. Bromochloromethane	<5.00	<5.00	<5.00	<5.00	<5.00
17. Chloroform	<5.00	<5.00	<5.00	<5.00	<5.00
18. 1,1,1-Trichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
19. Carbon Tetrachloride	<10.00	<10.00	<10.00	<10.00	<10.00
20. Benzene	<5.00	<5.00	<5.00	<5.00	<5.00
21. 1,2-Dichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
22. Trichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
23. 1,2-Dichloropropane	<5.00	<5.00	<5.00	<5.00	<5.00
24. Bromodichloromethane	<5.00	<5.00	<5.00	<5.00	<5.00
25. Cis-1,3-Dichloropropene	<10.00	<10.00	<10.00	<10.00	<10.00
26. 4-Methyl-2-Pentanone	<100.00	<100.00	<100.00	<100.00	<100.00
27. Toluene	<5.00	<5.00	<5.00	<5.00	<5.00
28. trans-1,3-Dichloropropene	<10.00	<10.00	<10.00	<10.00	<10.00
29. 1,1,2-Trichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
30. Tetrachloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
31. 2-Hexanone	<50.00	<50.00	<50.00	<50.00	<50.00
32. Dibromochloromethane	<5.00	<5.00	<5.00	<5.00	<5.00
33. 1,2-Dibromoethane	<5.00	<5.00	<5.00	<5.00	<5.00
34. Chlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
35. 1,1,1,2-Tetrachloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
36. Ethylbenzene	<5.00	<5.00	<5.00	<5.00	<5.00
37. Xylenes	<5.00	<5.00	<5.00	<5.00	<5.00
38. Dibromomethane	<10.00	<10.00	<10.00	<10.00	<10.00
39. Styrene	<10.00	<10.00	<10.00	<10.00	<10.00
40. Bromoform	<5.00	<5.00	<5.00	<5.00	<5.00
41. 1,1,2,2-Tetrachloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
42. 1,2,3-Trichloropropane	<15.00	<15.00	<15.00	<15.00	<15.00
43. 1,4-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
44. 1,2-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
45. 1,2-Dibromo-3-Chloropropane	<25.00	<25.00	<25.00	<25.00	<25.00
46. Acrylonitrile	<200.00	<200.00	<200.00	<200.00	<200.00
47. trans-1,4-Dichloro-2-Butene	<100.00	<100.00	<100.00	<100.00	<100.00

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: 10/12/06
DATE ANALYZED: 10/23/06
DATE REPORTED: 10/31/06

REVIEWED BY: _____

VOLATILE ORGANICS
EPA METHOD 8260B
METHOD BLANK RESULTS

PARAMETERS	Concentration (Ug/l)
1. Chloromethane	<10.00
2. Vinyl Chloride	<10.00
3. Bromomethane	<10.00
4. Chloroethane	<10.00
5. Trichlorofluoromethane	<5.00
6. 1,1-Dichloroethene	<5.00
7. Acetone	<100.00
8. Iodomethane	<10.00
9. Carbon Disulfide	<100.00
10. Methylene Chloride	<10.00
11. trans-1,2-Dichloroethene	<5.00
12. 1,1-Dichloroethane	<5.00
13. Vinyl Acetate	<50.00
14. cis-1,2-Dichloroethene	<5.00
15. 2-Butanone	<100.00
16. Bromochloromethane	<5.00
17. Chloroform	<5.00
18. 1,1,1-Trichloroethane	<5.00
19. Carbon Tetrachloride	<10.00
20. Benzene	<5.00
21. 1,2-Dichloroethane	<5.00
22. Trichloroethene	<5.00
23. 1,2-Dichloropropane	<5.00
24. Bromodichloromethane	<5.00
25. cis-1,3-Dichloropropene	<10.00
26. 4-methyl-2-Pentanone	<100.00
27. Toluene	<5.00
28. trans-1,3-Dichloropropene	<10.00
29. 1,1,2-Trichloroethane	<5.00
30. Tetrachloroethene	<5.00
31. 2-Hexanone	<50.00
32. Dibromochloromethane	<5.00
33. 1,2-Dibromoethane	<5.00
34. Chlorobenzene	<5.00
35. 1,1,1,2-Tetrachloroethane	<5.00
36. Ethylbenzene	<5.00
37. Xylenes	<5.00
38. Dibromomethane	<10.00
39. Styrene	<10.00
40. Bromoform	<5.00
41. 1,1,2,2-Tetrachloroethane	<5.00
42. 1,2,3-Trichloropropane	<15.00
43. 1,4-Dichlorobenzene	<5.00
44. 1,2-Dichlorobenzene	<5.00
45. 1,2-Dibromo-3-Chloropropane	<25.00
46. Acrylonitrile	<200.00
47. trans-1,4-Dichloro-2-Butene	<100.00

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: 10/12/06
DATE ANALYZED: 10/23/06
DATE REPORTED: 10/31/06

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	93.6	94.7	94.8
Laboratory Control std.	70-130	103	109	105
Method Blank	70-130	96.9	98.9	99.5
Leachate Storage 1S	70-130	100	100	94.0
Leachate Storage 1D	70-130	96.1	97.7	91.7
Leachate Storage 2S	70-130	98.3	98.0	98.9
Leachate Storage 3S	70-130	103	101	106
Leachate Storage 4S	70-130	109	107	101
Leachate Storage 5S	70-130	100	98.0	95.3
Leachate Storage 5D	70-130	97.5	94.9	93.9
Leachate Storage 6S	70-130	100	99.1	92.9
Equipment Blank	70-130	97.7	98.2	98.5
Trip Blank	70-130	93.6	100	96.8
Leachate Storage 1S M.S.	70-130	96.8	97.9	91.5
Leachate Storage 1S M.S.D.	70-130	103	105	101

Environment 1, Incorporated

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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

ANALYST: MO
DATE COLLECTED: 10/12/06
DATE ANALYZED: 10/23/06
DATE REPORTED: 10/31/06

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	50.0	<5.00	47.64	95.3	49.05	98.1	2.9
Benzene	50.0	<5.00	56.69	113	59.82	120	5.4
Trichloroethene	50.0	<5.00	59.04	118	60.92	122	3.1
Toluene	50.0	<5.00	54.26	109	57.79	116	6.3
Chlorobenzene	50.0	<5.00	53.29	107	59.66	119	11

LABORATORY CONTROL SAMPLE RESULTS

Sample Compound:	Spike Amount Ug/l	Spike Result Ug/l	Spike Recovery (70-130%)
1,1-Dichloroethene	50.0	51.91	104
Benzene	50.0	55.35	111
Trichloroethene	50.0	59.75	120
Toluene	50.0	55.93	112
Chlorobenzene	50.0	58.65	117

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
CHLORINE NEUTRALIZED AT COLLECTION														
pH CHECK (LAB)							D					12	12	12
CONTAINER TYPE, P/G						P	P	P	P	P		G	G	G
CHEMICAL PRESERVATION						A	B	A	A	A		E	E	E
Leachate Storage 1S	10/12/06	0855		21	6	G	G	G	G	G	G	G	G	G
Leachate Storage 1D	10/12/06	0905		19	5	G	G	G	G	G	G	G	G	
Leachate Storage 2S	10/12/06	0840		22	5	G	G	G	G	G	G	G	G	
Leachate Storage 2D	10/12/06	~~1010~~		~~21~~	2						G			
Leachate Storage 3S	10/12/06	1010 ~~0955~~		21	5	G	G	G	G	G	G	G	G	
Leachate Storage 3D	10/12/06	~~0955~~		~~23~~	2						G			
Leachate Storage 4S	10/12/06	0955		21	5	G	G	G	G	G	G	G	G	
Leachate Storage 4D	10/12/06	0935		23	1						G			
Leachate Storage 5S	10/12/06	~~0920~~		~~19~~	5	G	G	G	G	G	G	G	G	
Leachate Storage 5D	10/12/06	0920		19	5	G	G	G	G	G	G	G	G	
Leachate Storage 6S	10/12/06	0820		22	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) H Page Fox

SAMPLES RECEIVED IN LAB AT 4.7 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob H Page	10/12/06	[signature]	10/12/06 4:47
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:
ALL TEMP & TIME CHANGED
DONE BY RJH

Instructions for completing this form are on the reverse side.

Sampler must place a "C" for composite sample or a "G" for sample in the blank above each parameter required.

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
CHLORINE NEUTRALIZED AT COLLECTION														
pH CHECK (LAB)						6.8						12.12		
CONTAINER TYPE, P/G						P	P	P	P	P		G	G	G
CHEMICAL PRESERVATION (PARAMETERS)						A	B	A	A	A		E	E	E
Leachate Storage 6D	10/12/06				2						G			
Equipment Blank	10/12/06				3		G					G	G	
Trip Blank					2									

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
- [X] SOLID WASTE SECTION

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY
Y N

SAMPLES COLLECTED BY: (Please Print)
N Cage Fox

SAMPLES RECEIVED IN LAB AT 4.7 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob Hogan	10/12/06	Arnetha Lall	10/12/06 4:47
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.

Environment 1, Incorporated

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

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

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6035 A

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

DATE COLLECTED: 10/12/06
DATE REPORTED : 10/31/06

REVIEWED BY:

PARAMETERS	Regional Landfill 1S	Regional Landfill 1D	Regional Land. 2-D-A	Regional Landfill 3S	Regional Landfill 3D	Analysis Date	Analyst	Method Code
PH (field measurement), Units	5.0	6.1		6.2	6.6	10/12/06	RJH	EPA150.1
Antimony, mg/l	<0.030			<0.030		10/19/06	CMF	EPA200.8
Antimony, mg/l		<0.030			<0.030	10/17/06	CMF	EPA200.8
Arsenic, mg/l	<0.010			<0.010		10/19/06	CMF	EPA200.8
Arsenic, mg/l		<0.010			<0.010	10/17/06	CMF	EPA200.8
Barium, mg/l	<0.500			<0.500		10/19/06	CMF	EPA200.8
Barium, mg/l		<0.500			<0.500	10/17/06	CMF	EPA200.8
Beryllium, mg/l	<0.002			<0.002		10/19/06	CMF	EPA200.8
Beryllium, mg/l		<0.002			<0.002	10/17/06	CMF	EPA200.8
Cadmium, mg/l	<0.001			<0.001		10/19/06	CMF	EPA200.8
Cadmium, mg/l		<0.001			<0.001	10/17/06	CMF	EPA200.8
Cobalt, mg/l	<0.010			<0.010		10/19/06	CMF	EPA200.8
Cobalt, mg/l		<0.010			<0.010	10/17/06	CMF	EPA200.8
Copper, mg/l	<0.200			<0.200		10/19/06	CMF	EPA200.8
Copper, mg/l		<0.200			<0.200	10/17/06	CMF	EPA200.8
Total Chromium, mg/l	<0.010			<0.010		10/19/06	CMF	EPA200.8
Total Chromium, mg/l		<0.010			<0.010	10/17/06	CMF	EPA200.8
Lead, mg/l	<0.010			<0.010		10/19/06	CMF	EPA200.8
Lead, mg/l		<0.010			<0.010	10/17/06	CMF	EPA200.8
Nickel, mg/l	<0.050			<0.050		10/19/06	CMF	EPA200.8
Nickel, mg/l		<0.050			<0.050	10/17/06	CMF	EPA200.8
Selenium, mg/l	<0.020			<0.020		10/19/06	CMF	EPA200.8
Selenium, mg/l		<0.020			<0.020	10/17/06	CMF	EPA200.8
Silver, mg/l	<0.010			<0.010		10/19/06	CMF	EPA200.8
Silver, mg/l		<0.010			<0.010	10/17/06	CMF	EPA200.8
Thallium, mg/l	<0.010			<0.010		10/19/06	CMF	EPA200.8
Thallium, mg/l		<0.010			<0.010	10/17/06	CMF	EPA200.8
Vanadium, mg/l	<0.040			<0.040		10/19/06	CMF	EPA200.8
Vanadium, mg/l		<0.040			<0.040	10/17/06	CMF	EPA200.8
Zinc, mg/l	<0.050			<0.050		10/19/06	CMF	EPA200.8
Zinc, mg/l		<0.050			<0.050	10/17/06	CMF	EPA200.8
Turbidity, NTU	5.1	40		21	140	10/13/06	ACM	SM2130B
Conductivity (at 25c), uMhos	101	164		784	672	01/23/06	RJH	SM2510B

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Environment 1, Incorporated

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

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

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6035 A

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

DATE COLLECTED: 10/12/06
DATE REPORTED : 10/31/06

REVIEWED BY:

PARAMETERS	Regional Landfill 1S	Regional Landfill 1D	Regional Land. 2-D-A	Regional Landfill 3S	Regional Landfill 3D	Analysis Date	Analyst	Method Code
Temperature, °C	20	18		22	19	10/12/06	RJH	SM2550B
Static Water Level, feet	5.11	10.48	11.58	9.22	10.65	10/12/06	RJH	
Well Depth, feet	17.72	43.96	31.17	16.34	38.50	10/12/06	RJH	

Environment 1, Incorporated

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GREENVILLE, N.C. 27835-7085

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Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6035 A

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

DATE COLLECTED: 10/12/06
DATE REPORTED : 10/31/06

REVIEWED BY:

PARAMETERS	Regional Landfill 4S	Regional Landfill 4D	Regional Landfill 5S	Regional Landfill 5D	MW-A	Analysis Date	Analyst	Method Code
PH (field measurement), Units	5.1	6.8	6.1		5.2	10/12/06	RJH	EPA150.1
Antimony, mg/l	<0.030	<0.030	<0.030		<0.030	10/19/06	CMF	EPA200.8
Arsenic, mg/l	<0.010	<0.010	<0.010		<0.010	10/19/06	CMF	EPA200.8
Barium, mg/l	<0.500	<0.500	<0.500		<0.500	10/19/06	CMF	EPA200.8
Beryllium, mg/l	<0.002	<0.002	<0.002		<0.002	10/19/06	CMF	EPA200.8
Cadmium, mg/l	<0.001	<0.001	<0.001		<0.001	10/19/06	CMF	EPA200.8
Cobalt, mg/l	<0.010	<0.010	<0.010		<0.010	10/19/06	CMF	EPA200.8
Copper, mg/l	<0.200	<0.200	<0.200		<0.200	10/19/06	CMF	EPA200.8
Total Chromium, mg/l	<0.010	<0.010	<0.010		<0.010	10/19/06	CMF	EPA200.8
Lead, mg/l	<0.010	<0.010	<0.010		<0.010	10/19/06	CMF	EPA200.8
Nickel, mg/l	<0.050	<0.050	<0.050		<0.050	10/19/06	CMF	EPA200.8
Selenium, mg/l	<0.020	<0.020	<0.020		<0.020	10/19/06	CMF	EPA200.8
Silver, mg/l	<0.010	<0.010	<0.010		<0.010	10/19/06	CMF	EPA200.8
Thallium, mg/l	<0.010	<0.010	<0.010		<0.010	10/19/06	CMF	EPA200.8
Vanadium, mg/l	<0.040	<0.040	<0.040		<0.040	10/19/06	CMF	EPA200.8
Zinc, mg/l	<0.050	<0.050	0.172		<0.050	10/19/06	CMF	EPA200.8
Turbidity, NTU	1.6	37	170		20	10/13/06	ACM	SM2130B
Conductivity (at 25c), uMhos	278	515	126		87	01/23/06	RJH	SM2510B
Temperature, °C	23	21	23		21	10/12/06	RJH	SM2550B
Static Water Level, feet	7.48	9.98	8.60	9.87	5.46	10/12/06	RJH	
Well Depth, feet	14.98	34.19	14.61	35.51	20.46	10/12/06	RJH	
Zinc, Total Dissolved, ug/l			3370			10/24/06	LFJ	EPA200.8

THIS IS A CORRECTED COPY OF PREVIOUSLY REPORTED DATA

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Environment 1, Incorporated

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

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

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6035 A

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

DATE COLLECTED: 10/12/06
DATE REPORTED : 10/31/06

REVIEWED BY:

PARAMETERS	Regional Landfill 4S	Regional Landfill 4D	Regional Landfill 5S	Regional Landfill 5D	MW-A Analysis	Date	Analyst	Method Code
PH (field measurement), Units	5.1	6.8	6.1		5.2	10/12/06	RJH	EPA150.1
Antimony, mg/l	<0.030	<0.030	<0.030		<0.030	10/19/06	CMF	EPA200.8
Arsenic, mg/l	<0.010	<0.010	<0.010		<0.010	10/19/06	CMF	EPA200.8
Barium, mg/l	<0.500	<0.500	<0.500		<0.500	10/19/06	CMF	EPA200.8
Beryllium, mg/l	<0.002	<0.002	<0.002		<0.002	10/19/06	CMF	EPA200.8
Cadmium, mg/l	<0.001	<0.001	<0.001		<0.001	10/19/06	CMF	EPA200.8
Cobalt, mg/l	<0.010	<0.010	<0.010		<0.010	10/19/06	CMF	EPA200.8
Copper, mg/l	<0.200	<0.200	<0.200		<0.200	10/19/06	CMF	EPA200.8
Total Chromium, mg/l	<0.010	<0.010	<0.010		<0.010	10/19/06	CMF	EPA200.8
Lead, mg/l	<0.010	<0.010	<0.010		<0.010	10/19/06	CMF	EPA200.8
Nickel, mg/l	<0.050	<0.050	<0.050		<0.050	10/19/06	CMF	EPA200.8
Selenium, mg/l	<0.020	<0.020	<0.020		<0.020	10/19/06	CMF	EPA200.8
Silver, mg/l	<0.010	<0.010	<0.010		<0.010	10/19/06	CMF	EPA200.8
Thallium, mg/l	<0.010	<0.010	<0.010		<0.010	10/19/06	CMF	EPA200.8
Vanadium, mg/l	<0.040	<0.040	<0.040		<0.040	10/19/06	CMF	EPA200.8
Zinc, mg/l	<0.050	<0.050	<0.050		<0.050	10/19/06	CMF	EPA200.8
Turbidity, NTU	1.6	37	170		20	10/13/06	ACM	SM2130B
Conductivity (at 25c), uMhos	278	515	126		87	01/23/06	RJH	SM2510B
Temperature, °C	23	21	23		21	10/12/06	RJH	SM2550B
Static Water Level, feet	7.48	9.98	8.60	9.87	5.46	10/12/06	RJH	
Well Depth, feet	14.98	34.19	14.61	35.51	20.46	10/12/06	RJH	
Zinc, Total Dissolved, ug/l			3370			10/24/06	LFJ	EPA200.7

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Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6035 A

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

DATE COLLECTED: 10/12/06
DATE REPORTED : 10/31/06

REVIEWED BY:

PARAMETERS	Piezometer #1	Trip Blank	Analysis Date	Analyst	Method Code
Static Water Level, feet	8.51		10/12/06	RJH	

Environment 1, Incorporated

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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: MAO
DATE COLLECTED: 10/12/06
DATE ANALYZED: 10/23/06
DATE REPORTED: 10/31/06

Page: 1

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	Regional Landfill 1S	Regional Landfill 1D	Regional Landfill 3S	Regional Landfill 3D	Regional Landfill 4S
1. Chloromethane	<10.00	<10.00	<10.00	<10.00	<10.00
2. Vinyl Chloride	<10.00	<10.00	<10.00	<10.00	<10.00
3. Bromomethane	<10.00	<10.00	<10.00	<10.00	<10.00
4. Chloroethane	<10.00	<10.00	<10.00	<10.00	<10.00
5. Trichlorofluoromethane	<5.00	<5.00	<5.00	<5.00	<5.00
6. 1,1-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
7. Acetone	<100.00	<100.00	<100.00	<100.00	<100.00
8. Iodomethane	<10.00	<10.00	<10.00	<10.00	<10.00
9. Carbon Disulfide	<100.00	<100.00	<100.00	<100.00	<100.00
10. Methylene Chloride	<10.00	<10.00	<10.00	<10.00	<10.00
11. trans-1,2-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
12. 1,1-Dichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
13. Vinyl Acetate	<50.00	<50.00	<50.00	<50.00	<50.00
14. Cis-1,2-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
15. 2-Butanone	<100.00	<100.00	<100.00	<100.00	<100.00
16. Bromochloromethane	<5.00	<5.00	<5.00	<5.00	<5.00
17. Chloroform	<5.00	<5.00	<5.00	<5.00	<5.00
18. 1,1,1-Trichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
19. Carbon Tetrachloride	<10.00	<10.00	<10.00	<10.00	<10.00
20. Benzene	<5.00	<5.00	<5.00	<5.00	<5.00
21. 1,2-Dichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
22. Trichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
23. 1,2-Dichloropropane	<5.00	<5.00	<5.00	<5.00	<5.00
24. Bromodichloromethane	<5.00	<5.00	<5.00	<5.00	<5.00
25. Cis-1,3-Dichloropropene	<10.00	<10.00	<10.00	<10.00	<10.00
26. 4-Methyl-2-Pentanone	<100.00	<100.00	<100.00	<100.00	<100.00
27. Toluene	<5.00	<5.00	<5.00	<5.00	<5.00
28. trans-1,3-Dichloropropene	<10.00	<10.00	<10.00	<10.00	<10.00
29. 1,1,2-Trichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
30. Tetrachloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
31. 2-Hexanone	<50.00	<50.00	<50.00	<50.00	<50.00
32. Dibromochloromethane	<5.00	<5.00	<5.00	<5.00	<5.00
33. 1,2-Dibromoethane	<5.00	<5.00	<5.00	<5.00	<5.00
34. Chlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
35. 1,1,1,2-Tetrachloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
36. Ethylbenzene	<5.00	<5.00	<5.00	<5.00	<5.00
37. Xylenes	<5.00	<5.00	<5.00	<5.00	<5.00
38. Dibromomethane	<10.00	<10.00	<10.00	<10.00	<10.00
39. Styrene	<10.00	<10.00	<10.00	<10.00	<10.00
40. Bromoform	<5.00	<5.00	<5.00	<5.00	<5.00
41. 1,1,2,2-Tetrachloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
42. 1,2,3-Trichloropropane	<15.00	<15.00	<15.00	<15.00	<15.00
43. 1,4-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
44. 1,2-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
45. 1,2-Dibromo-3-Chloropropane	<25.00	<25.00	<25.00	<25.00	<25.00
46. Acrylonitrile	<200.00	<200.00	<200.00	<200.00	<200.00
47. trans-1,4-Dichloro-2-Butene	<100.00	<100.00	<100.00	<100.00	<100.00

Environment 1, Incorporated

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 A

ANALYST: MAO
DATE COLLECTED: 10/12/06
DATE ANALYZED: 10/23/06
DATE REPORTED: 10/31/06

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	Regional Landfill 4D	Regional Landfill 5S	MW-A	Trip Blank
1. Chloromethane	<10.00	<10.00	<10.00	<10.00
2. Vinyl Chloride	<10.00	<10.00	<10.00	<10.00
3. Bromomethane	<10.00	<10.00	<10.00	<10.00
4. Chloroethane	<10.00	<10.00	<10.00	<10.00
5. Trichlorofluoromethane	<5.00	<5.00	<5.00	<5.00
6. 1,1-Dichloroethene	<5.00	<5.00	<5.00	<5.00
7. Acetone	<100.00	<100.00	<100.00	<100.00
8. Iodomethane	<10.00	<10.00	<10.00	<10.00
9. Carbon Disulfide	<100.00	<100.00	<100.00	<100.00
10. Methylene Chloride	<10.00	<10.00	<10.00	<10.00
11. trans-1,2-Dichloroethene	<5.00	<5.00	<5.00	<5.00
12. 1,1-Dichloroethane	<5.00	<5.00	<5.00	<5.00
13. Vinyl Acetate	<50.00	<50.00	<50.00	<50.00
14. Cis-1,2-Dichloroethene	<5.00	<5.00	<5.00	<5.00
15. 2-Butanone	<100.00	<100.00	<100.00	<100.00
16. Bromochloromethane	<5.00	<5.00	<5.00	<5.00
17. Chloroform	<5.00	<5.00	<5.00	<5.00
18. 1,1,1-Trichloroethane	<5.00	<5.00	<5.00	<5.00
19. Carbon Tetrachloride	<10.00	<10.00	<10.00	<10.00
20. Benzene	<5.00	<5.00	<5.00	<5.00
21. 1,2-Dichloroethane	<5.00	<5.00	<5.00	<5.00
22. Trichloroethene	<5.00	<5.00	<5.00	<5.00
23. 1,2-Dichloropropane	<5.00	<5.00	<5.00	<5.00
24. Bromodichloromethane	<5.00	<5.00	<5.00	<5.00
25. Cis-1,3-Dichloropropene	<10.00	<10.00	<10.00	<10.00
26. 4-Methyl-2-Pentanone	<100.00	<100.00	<100.00	<100.00
27. Toluene	<5.00	<5.00	<5.00	<5.00
28. trans-1,3-Dichloropropene	<10.00	<10.00	<10.00	<10.00
29. 1,1,2-Trichloroethane	<5.00	<5.00	<5.00	<5.00
30. Tetrachloroethene	<5.00	<5.00	<5.00	<5.00
31. 2-Hexanone	<50.00	<50.00	<50.00	<50.00
32. Dibromochloromethane	<5.00	<5.00	<5.00	<5.00
33. 1,2-Dibromoethane	<5.00	<5.00	<5.00	<5.00
34. Chlorobenzene	<5.00	<5.00	<5.00	<5.00
35. 1,1,1,2-Tetrachloroethane	<5.00	<5.00	<5.00	<5.00
36. Ethylbenzene	<5.00	<5.00	<5.00	<5.00
37. Xylenes	<5.00	<5.00	<5.00	<5.00
38. Dibromomethane	<10.00	<10.00	<10.00	<10.00
39. Styrene	<10.00	<10.00	<10.00	<10.00
40. Bromoform	<5.00	<5.00	<5.00	<5.00
41. 1,1,2,2-Tetrachloroethane	<5.00	<5.00	<5.00	<5.00
42. 1,2,3-Trichloropropane	<15.00	<15.00	<15.00	<15.00
43. 1,4-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00
44. 1,2-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00
45. 1,2-Dibromo-3-Chloropropane	<25.00	<25.00	<25.00	<25.00
46. Acrylonitrile	<200.00	<200.00	<200.00	<200.00
47. trans-1,4-Dichloro-2-Butene	<100.00	<100.00	<100.00	<100.00

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 A

ANALYST: MO
DATE COLLECTED: 10/12/06
DATE ANALYZED: 10/23/06
DATE REPORTED: 10/31/06

REVIEWED BY: _____

VOLATILE ORGANICS
EPA METHOD 8260B
METHOD BLANK RESULTS

PARAMETERS	Concentration (Ug/l)
1. Chloromethane	<10.00
2. Vinyl Chloride	<10.00
3. Bromomethane	<10.00
4. Chloroethane	<10.00
5. Trichlorofluoromethane	<5.00
6. 1,1-Dichloroethene	<5.00
7. Acetone	<100.00
8. Iodomethane	<10.00
9. Carbon Disulfide	<100.00
10. Methylene Chloride	<10.00
11. trans-1,2-Dichloroethene	<5.00
12. 1,1-Dichloroethane	<5.00
13. Vinyl Acetate	<50.00
14. cis-1,2-Dichloroethene	<5.00
15. 2-Butanone	<100.00
16. Bromochloromethane	<5.00
17. Chloroform	<5.00
18. 1,1,1-Trichloroethane	<5.00
19. Carbon Tetrachloride	<10.00
20. Benzene	<5.00
21. 1,2-Dichloroethane	<5.00
22. Trichloroethene	<5.00
23. 1,2-Dichloropropane	<5.00
24. Bromodichloromethane	<5.00
25. cis-1,3-Dichloropropene	<10.00
26. 4-methyl-2-Pentanone	<100.00
27. Toluene	<5.00
28. trans-1,3-Dichloropropene	<10.00
29. 1,1,2-Trichloroethane	<5.00
30. Tetrachloroethene	<5.00
31. 2-Hexanone	<50.00
32. Dibromochloromethane	<5.00
33. 1,2-Dibromoethane	<5.00
34. Chlorobenzene	<5.00
35. 1,1,1,2-Tetrachloroethane	<5.00
36. Ethylbenzene	<5.00
37. Xylenes	<5.00
38. Dibromomethane	<10.00
39. Styrene	<10.00
40. Bromoform	<5.00
41. 1,1,2,2-Tetrachloroethane	<5.00
42. 1,2,3-Trichloropropane	<15.00
43. 1,4-Dichlorobenzene	<5.00
44. 1,2-Dichlorobenzene	<5.00
45. 1,2-Dibromo-3-Chloropropane	<25.00
46. Acrylonitrile	<200.00
47. trans-1,4-Dichloro-2-Butene	<100.00

Environment 1, Incorporated

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GREENVILLE, N.C. 27835-7085

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

CLIENT ID: 6035 A

ANALYST: MO
DATE COLLECTED: 10/12/06
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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	93.6	94.7	94.8
Laboratory Control std.	70-130	103	109	105
Method Blank	70-130	96.9	98.9	99.5
Regional Landfill 1S	70-130	104	98.4	103
Regional Landfill 1D	70-130	107	104	102
Regional Landfill 3S	70-130	103	101	96.9
Regional Landfill 3D	70-130	108	108	104
Regional Landfill 4S	70-130	100	99.2	96.8
Regional Landfill 4D	70-130	109	103	96.1
Regional Landfill 5S	70-130	101	97.0	92.7
Monitoring Well A	70-130	98.1	98.6	97.9
Trip Blank	70-130	99.7	101	97.6
Regional Landfill 1S M.S.	70-130	96.8	97.9	91.5
Regional Landfill 1S M.S.D.	70-130	103	105	101

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

CLIENT ID: 6035 A

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DATE ANALYZED: 10/23/06
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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	50.0	<5.00	47.64	95.3	49.05	98.1	2.9
Benzene	50.0	<5.00	56.69	113	59.82	120	5.4
Trichloroethene	50.0	<5.00	59.04	118	60.92	122	3.1
Toluene	50.0	<5.00	54.26	109	57.79	116	6.3
Chlorobenzene	50.0	<5.00	53.29	107	59.66	119	11

LABORATORY CONTROL SAMPLE RESULTS

Sample Compound:	Spike Amount Ug/l	Spike Result Ug/l	Spike Recovery (70-130%)
1,1-Dichloroethene	50.0	51.91	104
Benzene	50.0	55.35	111
Trichloroethene	50.0	59.75	120
Toluene	50.0	55.93	112
Chlorobenzene	50.0	58.65	117

Environment 1, Inc.
P.O. Box 7685, 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
CHLORINE NEUTRALIZED AT COLLECTION															
pH CHECK (LAB)							L2						L2	L2	L2
CONTAINER TYPE, P/G						P	P	P	P	P		P	G	G	G
CHEMICAL PRESERVATION						A	B	A	A	A		A	E	E	E
Regional Landfill 1S	10	1206	1435		20	6	G	G	G	G	G	G		G	G	G
Regional Landfill 1D	10	1206	1420		18	5	G	G	G	G	G	G		G	G	
Regional Land. 2-D-A	10	1206				1						G			
Regional Landfill 3S	10	1206	1500		22	5	G	G	G	G	G	G		G	G	
Regional Landfill 3D	10	1206	1455		19	5	G	G	G	G	G	G		G	G	
Regional Landfill 4S	10	1206	1325		23	5	G	G	G	G	G	G		G	G	
Regional Landfill 4D	10	1206	1340		21	5	G	G	G	G	G	G		G	G	
Regional Landfill 5S	10	1206	1305		23	7	G	G	G	G	G	G	G	G	G	G
Regional Landfill 5D	10	1206				2						G			
MW-A	10	1206	1400		21	5	G	G	G	G	G	G		G	G	
Piezometer #1	10	1206				1						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) H Page Fot

SAMPLES RECEIVED IN LAB AT 4.7 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
B H Page	10/1206	[illegible]	10/1/06 4:47
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.

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
CHLORINE NEUTRALIZED AT COLLECTION															
pH CHECK (LAB)															
CONTAINER TYPE, P/G						P	P	P	P	P		P	G	G	G
CHEMICAL PRESERVATION						A	B	A	A	A		A	E	E	E
Trip Blank					2										

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
- [X] SOLID WASTE SECTION

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY
Y N

SAMPLES COLLECTED BY: (Please Print)
Robert Foy

SAMPLES RECEIVED IN LAB AT 4.7 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob Hoge	10/2/06	Heather Faulk	10/2/06 4:42
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.

FC

Environment 1, Incorporated

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

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

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6035 B

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

DATE COLLECTED: 10/12/06
DATE REPORTED : 10/31/06

REVIEWED BY:

PARAMETERS	SW-1	SW-2	Under Drain	Analysis Date	Analyst	Method Code
PH (field measurement), Units	7.1	7.8	7.2	10/12/06	RJH	EPA150.1
Antimony, mg/l	<0.030	<0.030	<0.030	10/19/06	CMF	EPA200.8
Arsenic, mg/l	<0.010	<0.010	<0.010	10/19/06	CMF	EPA200.8
Barium, mg/l	<0.500	<0.500	<0.500	10/19/06	CMF	EPA200.8
Beryllium, mg/l	<0.002	<0.002	<0.002	10/19/06	CMF	EPA200.8
Cadmium, mg/l	<0.001	<0.001	<0.001	10/19/06	CMF	EPA200.8
Cobalt, mg/l	<0.010	<0.010	<0.010	10/19/06	CMF	EPA200.8
Copper, mg/l	<0.200	<0.200	<0.200	10/19/06	CMF	EPA200.8
Total Chromium, mg/l	<0.010	<0.010	<0.010	10/19/06	CMF	EPA200.8
Lead, mg/l	<0.010	<0.010	<0.010	10/19/06	CMF	EPA200.8
Nickel, mg/l	<0.050	<0.050	<0.050	10/19/06	CMF	EPA200.8
Selenium, mg/l	<0.020	<0.020	<0.020	10/19/06	CMF	EPA200.8
Silver, mg/l	<0.010	<0.010	<0.010	10/19/06	CMF	EPA200.8
Thallium, mg/l	<0.010	<0.010	<0.010	10/19/06	CMF	EPA200.8
Vanadium, mg/l	<0.040	<0.040	<0.040	10/19/06	CMF	EPA200.8
Zinc, mg/l	<0.050	<0.050	<0.050	10/19/06	CMF	EPA200.8
Turbidity, NTU	50	70	28	10/13/06	ACM	SM2130B
Conductivity (at 25c), uMhos	456	523	530	01/23/06	RJH	SM2510B
Temperature, °C	21	26	21	10/12/06	RJH	SM2550B

RECEIVED NOV 02 2006

Environment 1, Incorporated

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: 10/12/06
DATE ANALYZED: 10/24/06
DATE REPORTED: 10/31/06

Page: 1

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	SW-1	SW-2	Under Drain
1. Chloromethane	<10.00	<10.00	<10.00
2. Vinyl Chloride	<10.00	<10.00	<10.00
3. Bromomethane	<10.00	<10.00	<10.00
4. Chloroethane	<10.00	<10.00	<10.00
5. Trichlorofluoromethane	<5.00	<5.00	<5.00
6. 1,1-Dichloroethene	<5.00	<5.00	<5.00
7. Acetone	<100.00	<100.00	<100.00
8. Iodomethane	<10.00	<10.00	<10.00
9. Carbon Disulfide	<100.00	<100.00	<100.00
10. Methylene Chloride	<10.00	<10.00	<10.00
11. trans-1,2-Dichloroethene	<5.00	<5.00	<5.00
12. 1,1-Dichloroethane	<5.00	<5.00	<5.00
13. Vinyl Acetate	<50.00	<50.00	<50.00
14. Cis-1,2-Dichloroethene	<5.00	<5.00	<5.00
15. 2-Butanone	<100.00	<100.00	<100.00
16. Bromochloromethane	<5.00	<5.00	<5.00
17. Chloroform	<5.00	<5.00	<5.00
18. 1,1,1-Trichloroethane	<5.00	<5.00	<5.00
19. Carbon Tetrachloride	<10.00	<10.00	<10.00
20. Benzene	<5.00	<5.00	<5.00
21. 1,2-Dichloroethane	<5.00	<5.00	<5.00
22. Trichloroethene	<5.00	<5.00	<5.00
23. 1,2-Dichloropropane	<5.00	<5.00	<5.00
24. Bromodichloromethane	<5.00	<5.00	<5.00
25. Cis-1,3-Dichloropropene	<10.00	<10.00	<10.00
26. 4-Methyl-2-Pentanone	<100.00	<100.00	<100.00
27. Toluene	<5.00	<5.00	<5.00
28. trans-1,3-Dichloropropene	<10.00	<10.00	<10.00
29. 1,1,2-Trichloroethane	<5.00	<5.00	<5.00
30. Tetrachloroethene	<5.00	<5.00	<5.00
31. 2-Hexanone	<50.00	<50.00	<50.00
32. Dibromochloromethane	<5.00	<5.00	<5.00
33. 1,2-Dibromoethane	<5.00	<5.00	<5.00
34. Chlorobenzene	<5.00	<5.00	<5.00
35. 1,1,1,2-Tetrachloroethane	<5.00	<5.00	<5.00
36. Ethylbenzene	<5.00	<5.00	<5.00
37. Xylenes	<5.00	<5.00	<5.00
38. Dibromomethane	<10.00	<10.00	<10.00
39. Styrene	<10.00	<10.00	<10.00
40. Bromoform	<5.00	<5.00	<5.00
41. 1,1,2,2-Tetrachloroethane	<5.00	<5.00	<5.00
42. 1,2,3-Trichloropropane	<15.00	<15.00	<15.00
43. 1,4-Dichlorobenzene	<5.00	<5.00	<5.00
44. 1,2-Dichlorobenzene	<5.00	<5.00	<5.00
45. 1,2-Dibromo-3-Chloropropane	<25.00	<25.00	<25.00
46. Acrylonitrile	<200.00	<200.00	<200.00
47. trans-1,4-Dichloro-2-Butene	<100.00	<100.00	<100.00

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: 10/12/06
DATE ANALYZED: 10/24/06
DATE REPORTED: 10/31/06

REVIEWED BY: _____

VOLATILE ORGANICS
EPA METHOD 8260B
METHOD BLANK RESULTS

PARAMETERS	Concentration (Ug/l)
1. Chloromethane	<10.00
2. Vinyl Chloride	<10.00
3. Bromomethane	<10.00
4. Chloroethane	<10.00
5. Trichlorofluoromethane	<5.00
6. 1,1-Dichloroethene	<5.00
7. Acetone	<100.00
8. Iodomethane	<10.00
9. Carbon Disulfide	<100.00
10. Methylene Chloride	<10.00
11. trans-1,2-Dichloroethene	<5.00
12. 1,1-Dichloroethane	<5.00
13. Vinyl Acetate	<50.00
14. cis-1,2-Dichloroethene	<5.00
15. 2-Butanone	<100.00
16. Bromochloromethane	<5.00
17. Chloroform	<5.00
18. 1,1,1-Trichloroethane	<5.00
19. Carbon Tetrachloride	<10.00
20. Benzene	<5.00
21. 1,2-Dichloroethane	<5.00
22. Trichloroethene	<5.00
23. 1,2-Dichloropropane	<5.00
24. Bromodichloromethane	<5.00
25. cis-1,3-Dichloropropene	<10.00
26. 4-methyl-2-Pentanone	<100.00
27. Toluene	<5.00
28. trans-1,3-Dichloropropene	<10.00
29. 1,1,2-Trichloroethane	<5.00
30. Tetrachloroethene	<5.00
31. 2-Hexanone	<50.00
32. Dibromochloromethane	<5.00
33. 1,2-Dibromoethane	<5.00
34. Chlorobenzene	<5.00
35. 1,1,1,2-Tetrachloroethane	<5.00
36. Ethylbenzene	<5.00
37. Xylenes	<5.00
38. Dibromomethane	<10.00
39. Styrene	<10.00
40. Bromoform	<5.00
41. 1,1,2,2-Tetrachloroethane	<5.00
42. 1,2,3-Trichloropropane	<15.00
43. 1,4-Dichlorobenzene	<5.00
44. 1,2-Dichlorobenzene	<5.00
45. 1,2-Dibromo-3-Chloropropane	<25.00
46. Acrylonitrile	<200.00
47. trans-1,4-Dichloro-2-Butene	<100.00

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: 10/12/06
DATE ANALYZED: 10/24/06
DATE REPORTED: 10/31/06

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	96.7	98.2	95.1
Laboratory Control std.	70-130	96.5	99.0	94.1
Method Blank	70-130	93.4	95.1	94.4
Surface Water #1	70-130	94.7	94.3	97.8
Surface Water #2	70-130	97.3	95.0	91.7
Under Drain	70-130	99.8	98.4	96.0
Monitoring Well #7 M.S	70-130	94.8	101	99.7
Monitoring Well #7 M.S.D.	70-130	101	101	98.8

Environment 1, Incorporated

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GREENVILLE, N.C. 27835-7085

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

CLIENT ID: 6035 B

ANALYST: MO
DATE COLLECTED: 10/12/06
DATE ANALYZED: 10/24/06
DATE REPORTED: 10/31/06

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	50.0	<5.00	42.47	84.9	48.59	97.2	13
Benzene	50.0	<5.00	50.03	100	60.57	121	19
Trichloroethene	50.0	<5.00	55.14	110	62.25	125	12
Toluene	50.0	<5.00	49.34	98.7	56.45	113	13
Chlorobenzene	50.0	<5.00	51.79	104	56.97	114	9.5

LABORATORY CONTROL SAMPLE RESULTS

Sample Compound:	Spike Amount Ug/l	Spike Result Ug/l	Spike Recovery (70-130%)
1,1-Dichloroethene	50.0	44.81	89.6
Benzene	50.0	51.10	102
Trichloroethene	50.0	52.40	105
Toluene	50.0	48.14	96.3
Chlorobenzene	50.0	51.48	103

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
- [ ] _____

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
							LO				4262	
						P	P	P	P	P	G	G
						A	B	A	A	A	E	E
SW-1 10	1206	1510		21	5	G	G	G	G	G	G	G
SW-2 10	1206	1235		26	5	G	G	G	G	G	G	G
Under Drain 10	1206	1150		21	5	G	G	G	G	G	G	G

CHLORINE NEUTRALIZED AT COLLECTION

pH CHECK (LAB)

CONTAINER TYPE, P/G

CHEMICAL PRESERVATION

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
- [X] 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 4.7 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob H Hogue 10	1204	[signature]	10/12/06 4:47
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.

Environment 1, Incorporated

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

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

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6035 D

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

DATE COLLECTED: 10/12/06
DATE REPORTED : 10/31/06

REVIEWED BY:

PARAMETERS	MW-7	MW-8	MW-9	MW-10	MW-11S	Analysis Date	Analyst	Method Code
PH (field measurement), Units	6.0	4.8	Missing	5.2	4.2	10/12/06	RJH	EPA150.1
Antimony, mg/l	<0.030	<0.030	Missing	<0.030	<0.030	10/19/06	CMF	EPA200.8
Arsenic, mg/l	<0.010	<0.010	Missing	<0.010	<0.010	10/19/06	CMF	EPA200.8
Barium, mg/l	<0.500	<0.500	Missing	<0.500	<0.500	10/19/06	CMF	EPA200.8
Beryllium, mg/l	<0.002	<0.002	Missing	<0.002	<0.002	10/19/06	CMF	EPA200.8
Cadmium, mg/l	<0.001	<0.001	Missing	<0.001	<0.001	10/19/06	CMF	EPA200.8
Cobalt, mg/l	<0.010	<0.010	Missing	<0.010	<0.010	10/19/06	CMF	EPA200.8
Copper, mg/l	<0.200	<0.200	Missing	<0.200	<0.200	10/19/06	CMF	EPA200.8
Total Chromium, mg/l	<0.010	<0.010	Missing	<0.010	<0.010	10/19/06	CMF	EPA200.8
Lead, mg/l	<0.010	<0.010	Missing	<0.010	<0.010	10/19/06	CMF	EPA200.8
Nickel, mg/l	<0.050	<0.050	Missing	<0.050	<0.050	10/19/06	CMF	EPA200.8
Selenium, mg/l	<0.020	<0.020	Missing	<0.020	<0.020	10/19/06	CMF	EPA200.8
Silver, mg/l	<0.010	<0.010	Missing	<0.010	<0.010	10/19/06	CMF	EPA200.8
Thallium, mg/l	<0.010	<0.010	Missing	<0.010	<0.010	10/19/06	CMF	EPA200.8
Vanadium, mg/l	<0.040	<0.040	Missing	<0.040	<0.040	10/19/06	CMF	EPA200.8
Zinc, mg/l	<0.050	<0.050	Missing	<0.050	<0.050	10/19/06	CMF	EPA200.8
Turbidity, NTU	50	24	Missing	34	3.0	10/13/06	ACM	SM2130B
Conductivity (at 25c), uMhos	245	59	Missing	130	358	01/23/06	RJH	SM2510B
Temperature, °C	22	23	Missing	22	23	10/12/06	RJH	SM2550B
Static Water Level, feet	3.49	4.67	Missing	4.27	6.82	10/12/06	RJH	
Well Depth, feet	16.59	15.62	Missing	15.95	14.04	10/12/06	RJH	
8260 (Duplicate)			Missing			/ /		

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Environment 1, Incorporated

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

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

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6035 D

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

DATE COLLECTED: 10/12/06
DATE REPORTED : 10/31/06

REVIEWED BY:

PARAMETERS	MW-11D	Under Drain #2	Leachate Manhole	Equipment Blank	Trip Blank	Analysis Date	Analyst	Method Code
PH (field measurement), Units	7.0	7.1	Missing			10/12/06	RJH	EPA150.1
Antimony, mg/l	<0.030	<0.030	Missing	<0.030		10/19/06	CMF	EPA200.8
Arsenic, mg/l	<0.010	<0.010	Missing	<0.010		10/19/06	CMF	EPA200.8
Barium, mg/l	<0.500	<0.500	Missing	<0.500		10/19/06	CMF	EPA200.8
Beryllium, mg/l	<0.002	<0.002	Missing	<0.002		10/19/06	CMF	EPA200.8
Cadmium, mg/l	<0.001	<0.001	Missing	<0.001		10/19/06	CMF	EPA200.8
Cobalt, mg/l	<0.010	<0.010	Missing	<0.010		10/19/06	CMF	EPA200.8
Copper, mg/l	<0.200	<0.200	Missing	<0.200		10/19/06	CMF	EPA200.8
Total Chromium, mg/l	<0.010	<0.010	Missing	<0.010		10/19/06	CMF	EPA200.8
Lead, mg/l	<0.010	<0.010	Missing	<0.010		10/19/06	CMF	EPA200.8
Nickel, mg/l	<0.050	<0.050	Missing	<0.050		10/19/06	CMF	EPA200.8
Selenium, mg/l	<0.020	<0.020	Missing	<0.020		10/19/06	CMF	EPA200.8
Silver, mg/l	<0.010	<0.010	Missing	<0.010		10/19/06	CMF	EPA200.8
Thallium, mg/l	<0.010	<0.010	Missing	<0.010		10/19/06	CMF	EPA200.8
Vanadium, mg/l	<0.040	<0.040	Missing	<0.040		10/19/06	CMF	EPA200.8
Zinc, mg/l	<0.050	<0.050	Missing	<0.050		10/19/06	CMF	EPA200.8
Turbidity, NTU	60	80	Missing			10/13/06	ACM	SM2130B
Conductivity (at 25c), uMhos	448	538	Missing			01/23/06	RJH	SM2510B
Temperature, °C	19	23	Missing			10/12/06	RJH	SM2550B
Static Water Level, feet	7.68					10/12/06	RJH	
Well Depth, feet	34.42					10/12/06	RJH	
8260 (Duplicate)			Missing			/ /		
8260 (Duplicate)			Missing			/ /		

Environment 1, Incorporated

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: 10/12/06
DATE ANALYZED: 10/24/06
DATE REPORTED: 10/31/06

Page: 1

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MW-7	MW-8	MW-10	MW-11S	MW-11D
1. Chloromethane	<10.00	<10.00	<10.00	<10.00	<10.00
2. Vinyl Chloride	<10.00	<10.00	<10.00	<10.00	<10.00
3. Bromomethane	<10.00	<10.00	<10.00	<10.00	<10.00
4. Chloroethane	<10.00	<10.00	<10.00	<10.00	<10.00
5. Trichlorofluoromethane	<5.00	<5.00	<5.00	<5.00	<5.00
6. 1,1-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
7. Acetone	<100.00	<100.00	<100.00	<100.00	<100.00
8. Iodomethane	<10.00	<10.00	<10.00	<10.00	<10.00
9. Carbon Disulfide	<100.00	<100.00	<100.00	<100.00	<100.00
10. Methylene Chloride	<10.00	<10.00	<10.00	<10.00	<10.00
11. trans-1,2-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
12. 1,1-Dichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
13. Vinyl Acetate	<50.00	<50.00	<50.00	<50.00	<50.00
14. Cis-1,2-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
15. 2-Butanone	<100.00	<100.00	<100.00	<100.00	<100.00
16. Bromochloromethane	<5.00	<5.00	<5.00	<5.00	<5.00
17. Chloroform	<5.00	<5.00	<5.00	<5.00	<5.00
18. 1,1,1-Trichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
19. Carbon Tetrachloride	<10.00	<10.00	<10.00	<10.00	<10.00
20. Benzene	<5.00	<5.00	<5.00	<5.00	<5.00
21. 1,2-Dichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
22. Trichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
23. 1,2-Dichloropropane	<5.00	<5.00	<5.00	<5.00	<5.00
24. Bromodichloromethane	<5.00	<5.00	<5.00	<5.00	<5.00
25. Cis-1,3-Dichloropropene	<10.00	<10.00	<10.00	<10.00	<10.00
26. 4-Methyl-2-Pentanone	<100.00	<100.00	<100.00	<100.00	<100.00
27. Toluene	<5.00	<5.00	<5.00	<5.00	<5.00
28. trans-1,3-Dichloropropene	<10.00	<10.00	<10.00	<10.00	<10.00
29. 1,1,2-Trichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
30. Tetrachloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
31. 2-Hexanone	<50.00	<50.00	<50.00	<50.00	<50.00
32. Dibromochloromethane	<5.00	<5.00	<5.00	<5.00	<5.00
33. 1,2-Dibromoethane	<5.00	<5.00	<5.00	<5.00	<5.00
34. Chlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
35. 1,1,1,2-Tetrachloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
36. Ethylbenzene	<5.00	<5.00	<5.00	<5.00	<5.00
37. Xylenes	<5.00	<5.00	<5.00	<5.00	<5.00
38. Dibromomethane	<10.00	<10.00	<10.00	<10.00	<10.00
39. Styrene	<10.00	<10.00	<10.00	<10.00	<10.00
40. Bromoform	<5.00	<5.00	<5.00	<5.00	<5.00
41. 1,1,2,2-Tetrachloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
42. 1,2,3-Trichloropropane	<15.00	<15.00	<15.00	<15.00	<15.00
43. 1,4-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
44. 1,2-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
45. 1,2-Dibromo-3-Chloropropane	<25.00	<25.00	<25.00	<25.00	<25.00
46. Acrylonitrile	<200.00	<200.00	<200.00	<200.00	<200.00
47. trans-1,4-Dichloro-2-Butene	<100.00	<100.00	<100.00	<100.00	<100.00

Environment 1, Incorporated

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

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

Wastewater ID: 10

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: 10/12/06
DATE ANALYZED: 10/24/06
DATE REPORTED: 10/31/06

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	Under Drain #2	Equipment Blank	Trip Blank
1. Chloromethane	<10.00	<10.00	<10.00
2. Vinyl Chloride	<10.00	<10.00	<10.00
3. Bromomethane	<10.00	<10.00	<10.00
4. Chloroethane	<10.00	<10.00	<10.00
5. Trichlorofluoromethane	<5.00	<5.00	<5.00
6. 1,1-Dichloroethene	<5.00	<5.00	<5.00
7. Acetone	<100.00	<100.00	<100.00
8. Iodomethane	<10.00	<10.00	<10.00
9. Carbon Disulfide	<100.00	<100.00	<100.00
10. Methylene Chloride	<10.00	<10.00	<10.00
11. trans-1,2-Dichloroethene	<5.00	<5.00	<5.00
12. 1,1-Dichloroethane	<5.00	<5.00	<5.00
13. Vinyl Acetate	<50.00	<50.00	<50.00
14. Cis-1,2-Dichloroethene	<5.00	<5.00	<5.00
15. 2-Butanone	<100.00	<100.00	<100.00
16. Bromochloromethane	<5.00	<5.00	<5.00
17. Chloroform	<5.00	<5.00	<5.00
18. 1,1,1-Trichloroethane	<5.00	<5.00	<5.00
19. Carbon Tetrachloride	<10.00	<10.00	<10.00
20. Benzene	<5.00	<5.00	<5.00
21. 1,2-Dichloroethane	<5.00	<5.00	<5.00
22. Trichloroethene	<5.00	<5.00	<5.00
23. 1,2-Dichloropropane	<5.00	<5.00	<5.00
24. Bromodichloromethane	<5.00	<5.00	<5.00
25. Cis-1,3-Dichloropropene	<10.00	<10.00	<10.00
26. 4-Methyl-2-Pentanone	<100.00	<100.00	<100.00
27. Toluene	<5.00	<5.00	<5.00
28. trans-1,3-Dichloropropene	<10.00	<10.00	<10.00
29. 1,1,2-Trichloroethane	<5.00	<5.00	<5.00
30. Tetrachloroethene	<5.00	<5.00	<5.00
31. 2-Hexanone	<50.00	<50.00	<50.00
32. Dibromochloromethane	<5.00	<5.00	<5.00
33. 1,2-Dibromoethane	<5.00	<5.00	<5.00
34. Chlorobenzene	<5.00	<5.00	<5.00
35. 1,1,1,2-Tetrachloroethane	<5.00	<5.00	<5.00
36. Ethylbenzene	<5.00	<5.00	<5.00
37. Xylenes	<5.00	<5.00	<5.00
38. Dibromomethane	<10.00	<10.00	<10.00
39. Styrene	<10.00	<10.00	<10.00
40. Bromoform	<5.00	<5.00	<5.00
41. 1,1,2,2-Tetrachloroethane	<5.00	<5.00	<5.00
42. 1,2,3-Trichloropropane	<15.00	<15.00	<15.00
43. 1,4-Dichlorobenzene	<5.00	<5.00	<5.00
44. 1,2-Dichlorobenzene	<5.00	<5.00	<5.00
45. 1,2-Dibromo-3-Chloropropane	<25.00	<25.00	<25.00
46. Acrylonitrile	<200.00	<200.00	<200.00
47. trans-1,4-Dichloro-2-Butene	<100.00	<100.00	<100.00

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: 10/12/06
DATE ANALYZED: 10/24/06
DATE REPORTED: 10/31/06

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B
METHOD BLANK RESULTS

PARAMETERS	Concentration (Ug/l)
1. Chloromethane	<10.00
2. Vinyl Chloride	<10.00
3. Bromomethane	<10.00
4. Chloroethane	<10.00
5. Trichlorofluoromethane	<5.00
6. 1,1-Dichloroethene	<5.00
7. Acetone	<100.00
8. Iodomethane	<10.00
9. Carbon Disulfide	<100.00
10. Methylene Chloride	<10.00
11. trans-1,2-Dichloroethene	<5.00
12. 1,1-Dichloroethane	<5.00
13. Vinyl Acetate	<50.00
14. cis-1,2-Dichloroethene	<5.00
15. 2-Butanone	<100.00
16. Bromochloromethane	<5.00
17. Chloroform	<5.00
18. 1,1,1-Trichloroethane	<5.00
19. Carbon Tetrachloride	<10.00
20. Benzene	<5.00
21. 1,2-Dichloroethane	<5.00
22. Trichloroethene	<5.00
23. 1,2-Dichloropropane	<5.00
24. Bromodichloromethane	<5.00
25. cis-1,3-Dichloropropene	<10.00
26. 4-methyl-2-Pentanone	<100.00
27. Toluene	<5.00
28. trans-1,3-Dichloropropene	<10.00
29. 1,1,2-Trichloroethane	<5.00
30. Tetrachloroethene	<5.00
31. 2-Hexanone	<50.00
32. Dibromochloromethane	<5.00
33. 1,2-Dibromoethane	<5.00
34. Chlorobenzene	<5.00
35. 1,1,1,2-Tetrachloroethane	<5.00
36. Ethylbenzene	<5.00
37. Xylenes	<5.00
38. Dibromomethane	<10.00
39. Styrene	<10.00
40. Bromoform	<5.00
41. 1,1,2,2-Tetrachloroethane	<5.00
42. 1,2,3-Trichloropropane	<15.00
43. 1,4-Dichlorobenzene	<5.00
44. 1,2-Dichlorobenzene	<5.00
45. 1,2-Dibromo-3-Chloropropane	<25.00
46. Acrylonitrile	<200.00
47. trans-1,4-Dichloro-2-Butene	<100.00

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: 10/12/06
DATE ANALYZED: 10/24/06
DATE REPORTED: 10/31/06

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	96.7	98.2	95.1
Laboratory Control std.	70-130	96.5	99.0	94.1
Method Blank	70-130	93.4	95.1	94.4
Monitoring Well #7	70-130	97.1	92.6	92.2
Monitoring Well #8	70-130	99.5	97.7	97.8
Monitoring Well #10	70-130	101	100	102
Monitoring Well #11S	70-130	101	101	98.7
Monitoring Well #11D	70-130	106	108	108
Under Drain #2	70-130	100	98.1	102
Equipment Blank	70-130	99.8	99.9	98.9
Trip Blank	70-130	94.2	92.3	90.9
Monitoring Well #7 M.S.	70-130	94.8	101	99.7
Monitoring Well #7 M.S.D.	70-130	101	101	98.8

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 D

ANALYST: MO
DATE COLLECTED: 10/12/06
DATE ANALYZED: 10/24/06
DATE REPORTED: 10/31/06

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	50.0	<5.00	42.47	84.9	48.59	97.2	13
Benzene	50.0	<5.00	50.03	100	60.57	121	19
Trichloroethene	50.0	<5.00	55.14	110	62.25	125	12
Toluene	50.0	<5.00	49.34	98.7	56.45	113	13
Chlorobenzene	50.0	<5.00	51.79	104	56.97	114	9.5

LABORATORY CONTROL SAMPLE RESULTS

Sample Compound:	Spike Amount Ug/l	Spike Result Ug/l	Spike Recovery (70-130%)
1,1-Dichloroethene	50.0	44.81	89.6
Benzene	50.0	51.10	102
Trichloroethene	50.0	52.40	105
Toluene	50.0	48.14	96.3
Chlorobenzene	50.0	51.48	103

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 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
CHLORINE NEUTRALIZED AT COLLECTION														
pH CHECK (LAB)							12					<2	<2	<2
CONTAINER TYPE, P/G						P	P	P	P	P		G	G	G
CHEMICAL PRESERVATION						A	B	A	A	A		E	E	E
MW-7	10/12/06	1030		22	6	G	G	G	G	G	G	G	G	G
MW-8	10/12/06	1050		23	5	G	G	G	G	G	G	G	G	
MW-9	10/12/06				5									
MW-10	10/12/06	1210		22	5	G	G	G	G	G	G	G	G	
MW-11S	10/12/06	1250		23	5	G	G	G	G	G	G	G	G	
MW-11D	10/12/06	1240		19	5	G	G	G	G	G	G	G	G	
Under Drain #2	10/12/06	1230		23	5	G	G	G	G	G		G	G	
Leachate Manhole					6									
Equipment Blank	10/12/06				3		G					G	G	
Trip Blank					2									

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 4.7 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
[illegible]	10/12/06	[illegible]	10/12/06 9:47
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:
L.M. BAD FUMES
MUCH PRESSURE

WELL 9 CANCELLED

Instructions for completing this form are on the reverse side.

Sampler must place a "C" for composite sample or a "G" for [illegible] sam[illegible] the bl[illegible] bove [illegible]ch pa[illegible]er re[illegible]d.

Environment 1, Incorporated

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

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

RECEIVED NOV 22 2006

THIS IS A CORRECTED COPY OF PREVIOUSLY REPORTED DATA

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6035 E

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

DATE COLLECTED: 10/12/06
DATE REPORTED : 10/31/06

REVIEWED BY:

PARAMETERS	MW-14	Well #12 Shallow	Well #12 Deep	Well #13 Shallow	Well #13 Deep	Analysis Date	Analyst	Method Code
PH (field measurement), Units	Missing	5.3	7.0	5.1	7.1	10/12/06	RJH	EPA150.1
Antimony, mg/l	Missing	<0.030	<0.030		<0.030	10/19/06	CMF	EPA200.8
Antimony, mg/l				<0.030		10/24/06	LFJ	EPA200.8
Arsenic, mg/l	Missing	<0.010	<0.010		<0.010	10/19/06	CMF	EPA200.8
Arsenic, mg/l				<0.010		10/24/06	LFJ	EPA200.8
Barium, mg/l	Missing	<0.500	<0.500		<0.500	10/19/06	CMF	EPA200.8
Barium, mg/l				<0.500		10/24/06	LFJ	EPA200.8
Beryllium, mg/l	Missing	<0.002	<0.002		<0.002	10/19/06	CMF	EPA200.8
Beryllium, mg/l				<0.002		10/24/06	LFJ	EPA200.8
Cadmium, mg/l	Missing	<0.001	<0.001		<0.001	10/19/06	CMF	EPA200.8
Cadmium, mg/l				<0.001		10/24/06	LFJ	EPA200.8
Cobalt, mg/l	Missing	<0.010	<0.010		<0.010	10/19/06	CMF	EPA200.8
Cobalt, mg/l				<0.010		10/24/06	LFJ	EPA200.8
Copper, mg/l	Missing	* <0.200	<0.200		<0.200	10/19/06	CMF	EPA200.8
Copper, mg/l				<0.200		10/24/06	LFJ	EPA200.8
Total Chromium, mg/l	Missing	<0.010	<0.010		<0.010	10/19/06	CMF	EPA200.8
Total Chromium, mg/l				<0.010		10/24/06	LFJ	EPA200.8
Lead, mg/l	Missing	<0.010	<0.010		<0.010	10/19/06	CMF	EPA200.8
Lead, mg/l				<0.010		10/24/06	LFJ	EPA200.8
Nickel, mg/l	Missing	<0.050	<0.050		<0.050	10/19/06	CMF	EPA200.8
Nickel, mg/l				<0.050		10/24/06	LFJ	EPA200.8
Selenium, mg/l	Missing	<0.020	<0.020		<0.020	10/19/06	CMF	EPA200.8
Selenium, mg/l				<0.020		10/24/06	LFJ	EPA200.8
Silver, mg/l	Missing	<0.010	<0.010		<0.010	10/19/06	CMF	EPA200.8
Silver, mg/l				<0.010		10/24/06	LFJ	EPA200.8
Thallium, mg/l	Missing	<0.010	<0.010		<0.010	10/19/06	CMF	EPA200.8
Thallium, mg/l				<0.010		10/24/06	LFJ	EPA200.8
Vanadium, mg/l	Missing	<0.040	<0.040		<0.040	10/19/06	CMF	EPA200.8
Vanadium, mg/l				<0.040		10/24/06	LFJ	EPA200.8
Zinc, mg/l	Missing	<0.050	<0.050		<0.050	10/19/06	CMF	EPA200.8
Zinc, mg/l				<0.050		10/24/06	LFJ	EPA200.8
Turbidity, NTU	Missing	19	160	19	70	10/13/06	ACM	SM2130B

* ANALYZED ON 11/07/06 ANALYST: LFJ METHOD: EPA200.7

Environment 1, Incorporated

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

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

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6035 E

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

DATE COLLECTED: 10/12/06
DATE REPORTED : 10/31/06

REVIEWED BY:

PARAMETERS	MW-14	Well #12 Shallow	Well #12 Deep	Well #13 Shallow	Well #13 Deep	Analysis Date	Analyst	Method Code
PH (field measurement), Units	Missing	5.3	7.0	5.1	7.1	10/12/06	RJH	EPA150.1
Antimony, mg/l	Missing	<0.030	<0.030		<0.030	10/19/06	CMF	EPA200.8
Antimony, mg/l				<0.030		10/24/06	LFJ	EPA200.8
Arsenic, mg/l	Missing	<0.010	<0.010		<0.010	10/19/06	CMF	EPA200.8
Arsenic, mg/l				<0.010		10/24/06	LFJ	EPA200.8
Barium, mg/l	Missing	<0.500	<0.500		<0.500	10/19/06	CMF	EPA200.8
Barium, mg/l				<0.500		10/24/06	LFJ	EPA200.8
Beryllium, mg/l	Missing	<0.002	<0.002		<0.002	10/19/06	CMF	EPA200.8
Beryllium, mg/l				<0.002		10/24/06	LFJ	EPA200.8
Cadmium, mg/l	Missing	<0.001	<0.001		<0.001	10/19/06	CMF	EPA200.8
Cadmium, mg/l				<0.001		10/24/06	LFJ	EPA200.8
Cobalt, mg/l	Missing	<0.010	<0.010		<0.010	10/19/06	CMF	EPA200.8
Cobalt, mg/l				<0.010		10/24/06	LFJ	EPA200.8
Copper, mg/l	Missing	0.362	<0.200		<0.200	10/19/06	CMF	EPA200.8
Copper, mg/l				<0.200		10/24/06	LFJ	EPA200.8
Total Chromium, mg/l	Missing	<0.010	<0.010		<0.010	10/19/06	CMF	EPA200.8
Total Chromium, mg/l				<0.010		10/24/06	LFJ	EPA200.8
Lead, mg/l	Missing	<0.010	<0.010		<0.010	10/19/06	CMF	EPA200.8
Lead, mg/l				<0.010		10/24/06	LFJ	EPA200.8
Nickel, mg/l	Missing	<0.050	<0.050		<0.050	10/19/06	CMF	EPA200.8
Nickel, mg/l				<0.050		10/24/06	LFJ	EPA200.8
Selenium, mg/l	Missing	<0.020	<0.020		<0.020	10/19/06	CMF	EPA200.8
Selenium, mg/l				<0.020		10/24/06	LFJ	EPA200.8
Silver, mg/l	Missing	<0.010	<0.010		<0.010	10/19/06	CMF	EPA200.8
Silver, mg/l				<0.010		10/24/06	LFJ	EPA200.8
Thallium, mg/l	Missing	<0.010	<0.010		<0.010	10/19/06	CMF	EPA200.8
Thallium, mg/l				<0.010		10/24/06	LFJ	EPA200.8
Vanadium, mg/l	Missing	<0.040	<0.040		<0.040	10/19/06	CMF	EPA200.8
Vanadium, mg/l				<0.040		10/24/06	LFJ	EPA200.8
Zinc, mg/l	Missing	<0.050	<0.050		<0.050	10/19/06	CMF	EPA200.8
Zinc, mg/l				<0.050		10/24/06	LFJ	EPA200.8
Turbidity, NTU	Missing	19	160	19	70	10/13/06	ACM	SM2130B
Conductivity (at 25c), uMhos	Missing	182	448	109	416	01/23/06	RJH	SM2510B

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Environment 1, Incorporated

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

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

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6035 E

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

DATE COLLECTED: 10/12/06
DATE REPORTED : 10/31/06

REVIEWED BY:

PARAMETERS	MW-14	Well #12 Shallow	Well #12 Deep	Well #13 Shallow	Well #13 Deep	Analysis Date	Analyst	Method Code
Temperature, °C	Missing	22	19	21	19	10/12/06	RJH	SM2550B
Static Water Level, feet	Missing	6.42	10.18	2.18	7.15	10/12/06	RJH	
Well Depth, feet	Missing	17.99	36.03	17.74	34.31	10/12/06	RJH	
8260 (Duplicate)	Missing					/ /		
8260 (Duplicate)	Missing					/ /		

Environment 1, Incorporated

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: 10/12/06
DATE ANALYZED: 10/24/06
DATE REPORTED: 10/31/06

Page: 1

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	Well #12 Shallow	Well #12 Deep	Well #13 Shallow	Well #13 Deep
1. Chloromethane	<10.00	<10.00	<10.00	<10.00
2. Vinyl Chloride	<10.00	<10.00	<10.00	<10.00
3. Bromomethane	<10.00	<10.00	<10.00	<10.00
4. Chloroethane	<10.00	<10.00	<10.00	<10.00
5. Trichlorofluoromethane	<5.00	<5.00	<5.00	<5.00
6. 1,1-Dichloroethene	<5.00	<5.00	<5.00	<5.00
7. Acetone	<100.00	<100.00	<100.00	<100.00
8. Iodomethane	<10.00	<10.00	<10.00	<10.00
9. Carbon Disulfide	<100.00	<100.00	<100.00	<100.00
10. Methylene Chloride	<10.00	<10.00	<10.00	<10.00
11. trans-1,2-Dichloroethene	<5.00	<5.00	<5.00	<5.00
12. 1,1-Dichloroethane	<5.00	<5.00	<5.00	<5.00
13. Vinyl Acetate	<50.00	<50.00	<50.00	<50.00
14. Cis-1,2-Dichloroethene	<5.00	<5.00	<5.00	<5.00
15. 2-Butanone	<100.00	<100.00	<100.00	<100.00
16. Bromochloromethane	<5.00	<5.00	<5.00	<5.00
17. Chloroform	<5.00	<5.00	<5.00	<5.00
18. 1,1,1-Trichloroethane	<5.00	<5.00	<5.00	<5.00
19. Carbon Tetrachloride	<10.00	<10.00	<10.00	<10.00
20. Benzene	<5.00	<5.00	<5.00	<5.00
21. 1,2-Dichloroethane	<5.00	<5.00	<5.00	<5.00
22. Trichloroethene	<5.00	<5.00	<5.00	<5.00
23. 1,2-Dichloropropane	<5.00	<5.00	<5.00	<5.00
24. Bromodichloromethane	<5.00	<5.00	<5.00	<5.00
25. Cis-1,3-Dichloropropene	<10.00	<10.00	<10.00	<10.00
26. 4-Methyl-2-Pentanone	<100.00	<100.00	<100.00	<100.00
27. Toluene	<5.00	<5.00	<5.00	<5.00
28. trans-1,3-Dichloropropene	<10.00	<10.00	<10.00	<10.00
29. 1,1,2-Trichloroethane	<5.00	<5.00	<5.00	<5.00
30. Tetrachloroethene	<5.00	<5.00	<5.00	<5.00
31. 2-Hexanone	<50.00	<50.00	<50.00	<50.00
32. Dibromochloromethane	<5.00	<5.00	<5.00	<5.00
33. 1,2-Dibromoethane	<5.00	<5.00	<5.00	<5.00
34. Chlorobenzene	<5.00	<5.00	<5.00	<5.00
35. 1,1,1,2-Tetrachloroethane	<5.00	<5.00	<5.00	<5.00
36. Ethylbenzene	<5.00	<5.00	<5.00	<5.00
37. Xylenes	<5.00	<5.00	<5.00	<5.00
38. Dibromomethane	<10.00	<10.00	<10.00	<10.00
39. Styrene	<10.00	<10.00	<10.00	<10.00
40. Bromoform	<5.00	<5.00	<5.00	<5.00
41. 1,1,2,2-Tetrachloroethane	<5.00	<5.00	<5.00	<5.00
42. 1,2,3-Trichloropropane	<15.00	<15.00	<15.00	<15.00
43. 1,4-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00
44. 1,2-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00
45. 1,2-Dibromo-3-Chloropropane	<25.00	<25.00	<25.00	<25.00
46. Acrylonitrile	<200.00	<200.00	<200.00	<200.00
47. trans-1,4-Dichloro-2-Butene	<100.00	<100.00	<100.00	<100.00

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: 10/12/06
DATE ANALYZED: 10/24/06
DATE REPORTED: 10/31/06

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B
METHOD BLANK RESULTS

PARAMETERS	Concentration (Ug/l)
1. Chloromethane	<10.00
2. Vinyl Chloride	<10.00
3. Bromomethane	<10.00
4. Chloroethane	<10.00
5. Trichlorofluoromethane	<5.00
6. 1,1-Dichloroethene	<5.00
7. Acetone	<100.00
8. Iodomethane	<10.00
9. Carbon Disulfide	<100.00
10. Methylene Chloride	<10.00
11. trans-1,2-Dichloroethene	<5.00
12. 1,1-Dichloroethane	<5.00
13. Vinyl Acetate	<50.00
14. cis-1,2-Dichloroethene	<5.00
15. 2-Butanone	<100.00
16. Bromochloromethane	<5.00
17. Chloroform	<5.00
18. 1,1,1-Trichloroethane	<5.00
19. Carbon Tetrachloride	<10.00
20. Benzene	<5.00
21. 1,2-Dichloroethane	<5.00
22. Trichloroethene	<5.00
23. 1,2-Dichloropropane	<5.00
24. Bromodichloromethane	<5.00
25. cis-1,3-Dichloropropene	<10.00
26. 4-methyl-2-Pentanone	<100.00
27. Toluene	<5.00
28. trans-1,3-Dichloropropene	<10.00
29. 1,1,2-Trichloroethane	<5.00
30. Tetrachloroethene	<5.00
31. 2-Hexanone	<50.00
32. Dibromochloromethane	<5.00
33. 1,2-Dibromoethane	<5.00
34. Chlorobenzene	<5.00
35. 1,1,1,2-Tetrachloroethane	<5.00
36. Ethylbenzene	<5.00
37. Xylenes	<5.00
38. Dibromomethane	<10.00
39. Styrene	<10.00
40. Bromoform	<5.00
41. 1,1,2,2-Tetrachloroethane	<5.00
42. 1,2,3-Trichloropropane	<15.00
43. 1,4-Dichlorobenzene	<5.00
44. 1,2-Dichlorobenzene	<5.00
45. 1,2-Dibromo-3-Chloropropane	<25.00
46. Acrylonitrile	<200.00
47. trans-1,4-Dichloro-2-Butene	<100.00

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: 10/12/06
DATE ANALYZED: 10/24/06
DATE REPORTED: 10/31/06

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	96.7	98.2	95.1
Laboratory Control std.	70-130	96.5	99.0	94.1
Method Blank	70-130	93.4	95.1	94.4
Well #12 Shallow	70-130	101	98.9	97.3
Well #12 Deep	70-130	101	105	105
Well #13 Shallow	70-130	97.5	95.2	96.7
Well #13 Deep	70-130	95.1	102	101
Monitoring Well #7 M.S.	70-130	94.8	101	99.7
Monitoring Well #7 M.S.D.	70-130	101	101	98.8

Environment 1, Incorporated

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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 E

ANALYST: MO
DATE COLLECTED: 10/12/06
DATE ANALYZED: 10/24/06
DATE REPORTED: 10/31/06

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	50.0	<5.00	42.47	84.9	48.59	97.2	13
Benzene	50.0	<5.00	50.03	100	60.57	121	19
Trichloroethene	50.0	<5.00	55.14	110	62.25	125	12
Toluene	50.0	<5.00	49.34	98.7	56.45	113	13
Chlorobenzene	50.0	<5.00	51.79	104	56.97	114	9.5

LABORATORY CONTROL SAMPLE RESULTS

Sample Compound:	Spike Amount Ug/l	Spike Result Ug/l	Spike Recovery (70-130%)
1,1-Dichloroethene	50.0	44.81	89.6
Benzene	50.0	51.10	102
Trichloroethene	50.0	52.40	105
Toluene	50.0	48.14	96.3
Chlorobenzene	50.0	51.48	103

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
CHLORINE NEUTRALIZED AT COLLECTION														
pH CHECK (LAB)							L2					L2	L2	L2
CONTAINER TYPE, P/G						P	P	P	P	P		G	G	G
CHEMICAL PRESERVATION						A	B	A	A	A		E	E	E
MW-14					6									
Well #12 Shallow	10/12/06	1105		22	5	G	G	G	G	G	G	G	G	
Well #12 Deep	10/12/06	1115		19	5	G	G	G	G	G	G	G	G	
Well #13 Shallow	10/12/06	1120		21	5	G	G	G	G	G	G	G	G	
Well #13 Deep	10/12/06	1130		19	5	G	G	G	G	G	G	G	G	

PARAMETERS

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 (circled) N

SAMPLES COLLECTED BY: (Please Print) Bob Hope / Fot

SAMPLES RECEIVED IN LAB AT 4.7 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob Hope	10/12/06	[signature]	10/12/06 9:47
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS: WELL 14 BROKEN

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.

FC