HAZEN AND SAWYER
Environmental Engineers & Scientists

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July 9, 2007

Mr. Dan J. LaMontagne, P.E.
Facilities & Operations Manager
Wake County Solid Waste Management Division
Post Office Box 550
Raleigh, NC 27602

Re: Wake County North Wake Lined Landfill
April 2007 Semi-Annual Groundwater
Sampling Report
H&S No. 30547-004

Dear Mr. LaMontagne,

As authorized by Wake County, Hazen and Sawyer has prepared a report on the Semi-Annual Groundwater Sampling event for North Wake Lined Landfill conducted on **April 18, 2007**. For this, the first of the 2007 sampling events, a total of 16 groundwater monitoring wells was sampled and tested for **Appendix I** constituents as required for facilities in Detection Monitoring. In addition, two surface water monitoring points were sampled and tested. Surface water monitoring point SW-5 was found to be dry on April 18, 2007, so no sampling was completed for this location. The following monitoring wells and surface water monitoring locations were sampled on April 18, 2007 and subsequently tested in the laboratory by Environment 1, Incorporated as a sub-consultant to Hazen and Sawyer:

MW-12, MW-12D, MW-13, MW-14, MW-15, MW-15D, MW-16, MW-17, MW-17D, MW-18, MW-19, MW-20, MW-21, MW-25, MW-25D, MW-26, SW-4, and SW-6,

Wells MW-11 and MW-11D are background wells for both the Lined and Unlined Landfills. They were sampled with the wells for the Unlined Landfill in order to conduct the complete Appendix II analyses in accordance with the Assessment Monitoring Plan when applicable. Data for these wells are also included in this report.

Locations for each of these wells are provided on the attached "Lined MSW and C&DD Landfills Monitoring Well Location Plan", Drawing GW-2, prepared by Hazen and Sawyer. This drawing reflects the updated well locations and site conditions based upon drawings prepared by Taylor Weisman Taylor (TWT), dated February 21, 2005, under contract with Wake County.

Field activities during sampling as well as presentation and discussion of test results and analyses are provided in the following sections. Complete laboratory data and chain-of-custody are provided in the Appendix.

Field Activities

Samples were obtained from the groundwater monitoring wells and surface water sampling points on April 18, 2007 by representatives of Environment 1, Inc. of Greenville, North Carolina. The static water level and total well depth at each well are first recorded using an electric water level indicator. Each monitoring well is purged (3 to 5 well volumes) using properly cleaned and prepared 1-liter non-disposable Teflon bailers. A bailer is prepared and dedicated for each well to be sampled in order to minimize the risk of cross-contamination.

Once the wells have recharged to an extent that sampling is practical, well samples are analyzed in the field for pH, temperature, and conductivity. Groundwater samples are obtained, prepared, and stored, and the Chain-Of-Custody documentation is recorded for each well. Sampling personnel note any conditions, including monitoring well damage that may impact sampling or testing results. Any such issues will be presented and discussed in the report as necessary.

Groundwater depths in each groundwater monitoring well were converted to groundwater elevations by Hazen and Sawyer based upon the 2005 site and well survey data provided by TWT. Groundwater depths and elevations for each well are presented on Table 1. Groundwater elevations were used to prepare a Potentiometric Surface contour map for North Wake Unlined Landfill. A summary of field parameters for each well is also presented in Table 1.

Summary of Groundwater and Surface Water Testing

All of the groundwater monitoring wells were analyzed for **Appendix I** constituents. A summary of the detected parameters is provided below. Parameters listed below represent constituent concentrations that were above laboratory detection limits. Concentrations that exceed State Groundwater Protection (GWP) Standards (15A NCAC 02L.0202) are highlighted. A summary table for all detected Appendix I metal constituents is provided on Table 2. No Appendix I Volatile Organic Compounds (VOC's) were detected. Complete laboratory analyses and reports are provided in the Appendix.

In accordance with the October 27, 2006 NCDENR Solid Waste Section Memorandum regarding New Guidelines for Electronic Submittal of Environmental Data (including the February 23, 2007 addendum), laboratories now must report to the Solid Waste Section Limit (SWSL). The SWSL is the lowest concentration of an analyte that can be determined and is often lower than the method limits that can accurately be reported. For all sampling data beginning on or after January 1, 2007, constituents may be reported that have not been reported for a particular well in the past. This may not indicate any change in groundwater quality but may only reflect the lower required reporting limits.

MW-11 (Background)

Metals:	Zinc
Volatile Organic Compounds:	None Detected

MW-11D (Background, Deep)
Metals: None Detected
Volatile Organic Compounds: None Detected

MW-12
Metals: Barium, Beryllium, Copper, Vanadium, Zinc
Volatile Organic Compounds: None Detected

MW-12D
Metals: None Detected
Volatile Organic Compounds: None Detected

MW-13
Metals: Zinc
Volatile Organic Compounds: None Detected

MW-14
Metals: None Detected
Volatile Organic Compounds: None Detected

MW-15
Metals: None Detected
Volatile Organic Compounds: None Detected

MW-15D
Metals: None Detected
Volatile Organic Compounds: None Detected

MW-16
Metals: Barium, Copper, Zinc
Volatile Organic Compounds: None Detected

MW-17
Metals: None Detected
Volatile Organic Compounds: None Detected

MW-17D
Metals: Chromium
Volatile Organic Compounds: None Detected

MW-18
Metals: Barium, Copper, Vanadium (at GWP standard), Zinc
Volatile Organic Compounds: None Detected

MW-19

Metals:	None Detected
Volatile Organic Compounds:	None Detected

MW-20

Metals:	Copper, Zinc
Volatile Organic Compounds:	None Detected

MW-21

Metals:	None Detected
Volatile Organic Compounds:	None Detected

MW-25

Metals:	Zinc
Volatile Organic Compounds:	None Detected

MW-25D

Metals:	None Detected
Volatile Organic Compounds:	None Detected

MW-26

Metals:	Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Vanadium, Zinc
Volatile Organic Compounds:	None Detected

Surface Water SW-4

Metals:	Zinc
Volatile Organic Compounds:	None Detected

Surface Water SW-5

Metals:	Not Sampled - Dry
Volatile Organic Compounds:	Not Sampled - Dry

Surface Water SW-6

Metals:	None Detected
Volatile Organic Compounds:	None Detected

Trip Blanks

Metals:	Not Sampled
Volatile Organic Compounds:	None Detected

Equipment Blanks

Metals:	Not Sampled
Volatile Organic Compounds:	None Detected

Data Analyses and Trends

1. Metals

Concentrations in excess of the Groundwater Protection (GWP) Standards were recorded for *Vanadium* in monitoring wells MW-12 and MW-26 for this sampling event. *Vanadium* was detected at the GWP Standard in well MW-18. *Vanadium* has been recorded in these three wells in the past at similar concentrations. Monitoring well MW-26 also experienced an excess in Groundwater Standards for *Cadmium* and *Cobalt* during this sampling event. Both of these metals have been found at similar concentrations in previous sampling events.

2. Volatile Organic Compounds

No Volatile Organic Compounds (VOC's) were detected in any of the wells on April 18, 2007. This is consistent with previous sampling events.

Groundwater Flow Rate and Direction

Groundwater depths were recorded during sampling at each well. Using surveyed monitoring well data, the depths were converted to groundwater elevations. The groundwater elevation for each well is shown in tabular form on the attached "Potentiometric Surface Map April 18, 2007", Drawing GW-4. Groundwater elevation data were used to form a series of contours illustrating groundwater elevations and flow directions on Drawing GW-4. Groundwater flows generally to the northeast, as was indicated in previous sampling reports. The average hydraulic gradient in vicinity of each well was computed on the basis of the Potentiometric contours. Average flow velocity and the flow direction in the vicinity of each well were computed using the hydraulic gradient at each well and the hydraulic conductivity and effective porosity published in previous reports prepared by CDM for the North Wake Unlined facility. The hydraulic conductivity and effective porosity are characteristics of the aquifer at each well and are not dependent on groundwater depths. Hydraulic data for each well are shown on the attached Table 3.

Statistical Analyses

Insufficient data are available to conduct statistical analyses for this sampling event. No organic compounds were detected in any of the wells sampled. Because there were few Appendix I metal constituents detected, a statistical analysis could only be performed on metals, but no parameters were found to be statistically significant. Data from the April 18, 2007 sampling event will be included in future statistical analyses.

The sealed Environmental Monitoring Report Form and summary of detected constituents immediately follow this report.

A data CD for all three of the North Wake landfills is enclosed that provides raw laboratory data for this sampling event and results from statistical analyses described above. In addition, copies of all of the reports and tables for the North Wake landfills are provided on the CD in Portable Document Format (PDF). One copy of this report, including the data CD, is being provided to the NCDENR Solid Waste Section in accordance with State regulations.

Hazen and Sawyer personnel are available to meet with you and your staff to discuss this Report and to answer any questions you may have. In the interim, if you have any questions or require additional information, please contact us.

Very truly yours,

HAZEN AND SAWYER, P.C.

Georgina D Varelas

Georgina D Varelas
Assistant Engineer

John A. Bove, PE
Associate

Attachment: Environmental Monitoring Reporting Form
Digital Copy of Groundwater Data on CD

cc: Jackie Drummond, NCDENR

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).
- In accordance with NC General Statutes Chapter 89C and 89E and NC Solid Waste Management Rules 15A NCAC 13B, be sure to affix a seal to the bottom of this page, when applicable.
- 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):

Hazen and Sawyer, P.C.

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

Name: John A. Bove, P.E. Phone: (919)833-7152

E-mail: jbove@hazenandsawyer.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
North Wake Lined Landfill	9004 Deponie Drive Raleigh, NC 27615	92-09	.0500	April 18, 2007

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 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.

John A. Bove, P.E. — Facility Representative Name (Print)

Associate — Title

(919) 833-7152 — (Area Code) Telephone Number

Signature — Date: 7/10/07

Affix NC Licensed/ Professional Geologist/Engineer Seal here:

NORTH CAROLINA PROFESSIONAL SEAL 19391 ENGINEER JOHN A. BOVE

Revised 01/2007

Facility Name: North Wake Lined Landfill
Monitoring Event Date: 04/18/2007

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
92-09	MW-11	7440-66-6	213	Zinc	21	ug/L		1	04/24/2007		04/30/2007
92-09	MW-12	7440-39-3	15	Barium	260	ug/L		1	04/18/2007		04/24/2007
92-09	MW-12	7440-41-7	23	Beryllium	1	ug/L		1	04/18/2007		04/24/2007
92-09	MW-12	7440-48-4	54	Copper	37	ug/L		1	04/18/2007		04/24/2007
92-09	MW-12	7440-62-2	209	Vanadium	50	ug/L		1	04/18/2007		04/24/2007
92-09	MW-12	7440-66-6	213	Zinc	61	ug/L		1	04/18/2007		04/24/2007
92-09	MW-13	7440-66-6	213	Zinc	12	ug/L		1	04/18/2007		04/25/2007
92-09	MW-16	7440-39-3	15	Barium	122	ug/L		1	04/18/2007		04/25/2007
92-09	MW-16	7440-48-4	54	Copper	11	ug/L		1	04/18/2007		04/25/2007
92-09	MW-16	7440-66-6	213	Zinc	29	ug/L		1	04/18/2007		04/25/2007
92-09	MW-17D	7440-47-3	51	Chromium	21	ug/L		1	04/18/2007		04/25/2007
92-09	MW-18	7440-39-3	15	Barium	106	ug/L		1	04/18/2007		04/25/2007
92-09	MW-18	7440-48-4	54	Copper	26	ug/L		1	04/18/2007		04/25/2007
92-09	MW-18	7440-62-2	209	Vanadium	25	ug/L		1	04/18/2007		04/25/2007
92-09	MW-18	7440-66-6	213	Zinc	43	ug/L		1	04/18/2007		04/25/2007
92-09	MW-20	7440-48-4	54	Copper	19	ug/L		1	04/18/2007		04/25/2007
92-09	MW-20	7440-66-6	213	Zinc	15	ug/L		1	04/18/2007		04/25/2007
92-09	MW-25	7440-66-6	213	Zinc	10	ug/L		1	04/18/2007		04/25/2007
92-09	MW-26	7440-39-3	15	Barium	387	ug/L		1	04/18/2007		04/25/2007
92-09	MW-26	7440-41-7	23	Beryllium	1	ug/L		1	04/18/2007		04/25/2007
92-09	MW-26	7440-43-9	34	Cadmium	2	ug/L		1	04/18/2007		04/25/2007
92-09	MW-26	7440-48-4	53	Cobalt	26	ug/L		1	04/18/2007		04/25/2007
92-09	MW-26	7440-47-3	51	Chromium	16	ug/L		1	04/18/2007		04/25/2007
92-09	MW-26	7440-48-4	54	Copper	356	ug/L		1	04/18/2007		04/25/2007
92-09	MW-26	7440-62-2	209	Vanadium	59	ug/L		1	04/18/2007		04/25/2007
92-09	MW-26	7440-66-6	213	Zinc	165	ug/L		1	04/18/2007		04/25/2007
92-09	SW-4	7440-66-6	213	Zinc	25	ug/L		1	04/18/2007		04/26/2007

Table 1
Water Quality Field Parameters - April 18, 2007
North Wake Lined Landfill

	Field Measurements			Groundwater Elevations		
Monitoring Well I.D.	pH (-)	Conductivity (μS)	Temperature (deg. C)	TOC Elevation (feet AMSL)	Depth to Groundwater (feet)	Groundwater Elevation (feet AMSL)
MW-11**	5.80	81	18.0	342.96	42.75	300.21
MW-11 D**	6.10	110	18.0	343.01	42.91	300.10
MW-12	5.60	152	15.0	260.76	16.47	244.29
MW-12D	5.80	148	16.0	260.82	17.39	243.43
MW-13	5.80	132	16.0	270.06	21.92	248.14
MW-14	5.70	145	16.0	270.05	42.80	227.25
MW-15	5.70	192	13.0	238.67	17.28	221.39
MW-15D	6.00	151	14.0	238.75	17.68	221.07
MW-16	6.00	352	16.0	266.56	11.10	255.46
MW-17	5.70	121	15.0	273.68	31.25	242.43
MW-17D	6.00	153	15.0	273.41	31.81	241.60
MW-18	5.60	123	15.0	282.35	18.76	263.59
MW-19	5.90	132	15.0	283.79	36.82	246.97
MW-20	5.90	225	17.0	290.94	29.60	261.34
MW-21	5.80	110	16.0	308.77	31.00	277.77
MW-25	5.80	142	12.0	294.33	7.65	286.68
MW-25D	5.90	121	13.0	293.91	7.83	286.08
MW-26	6.20	170	13.0	275.37	8.65	266.72
SW-4	5.90	170	19.0	---	---	---
SW-5*	--	--	--	---	---	---
SW-6	6.40	96	12.0	---	---	---

NOTES:
AMSL - Above Mean Sea Level
TOC - Top of Casing Elevation from 2005 TWT Survey
** Wells MW-11 and MW-11D are background wells sampled with the Unlined Landfill Wells on April 20, 2007.
* Missing Data

Table 2
Detected Groundwater Constituents - Metals
North Wake Lined Landfill

Monitor Well	Sample Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
NC Standard		0.006*	0.050	2	0.002*	0.00175	0.05	0.002*	1	0.015	0.1	0.05	0.0175	2*	0.025*	1.05
MW-11	31-Oct-95	<.030	0.011	0.842	0.008	<.001	0.024	0.071	0.331	0.026	0.087	<.020	<.010	<.010	0.117	0.314
MW-11	19-Dec-95	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11	26-Feb-96	<.030	<.010	<.500	<.002	<.001	0.011	0.022	<.200	<.010	<.050	<.020	<.010	<.010	<.040	0.106
MW-11	29-Apr-96	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	0.106
MW-11	27-Nov-96	<.005	<.005	0.035	<.001	<.001	<.002	<.002	<.01	<.005	<.05	<.005	<.005	<.001	<.005	<.01
MW-11	22-Apr-97	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	0.13
MW-11	31-Oct-97	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	0.066
MW-11	11-May-98	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11	8-Dec-98	<.030	<.010	<.500	<.002	0.0021	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11	14-Apr-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11	30-Nov-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11	5-Apr-00	<.030	<.010	<.500	<.002	0.0012	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11	18-Dec-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11	18-Apr-01	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11	27-Nov-01	<.010	<.010	0.311	<.010	<.010	<.010	<.010	0.0165	<.010	<.040	<.010	<.010	<.010	<.050	0.0297
MW-11	5-Apr-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11	5-Nov-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11	15-Apr-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11	29-Oct-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11	21-Apr-04	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11	18-Nov-04	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11	21-Apr-05	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11	11-Nov-05	<.005	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	0.083
MW-11	13-Apr-06	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11	8-Nov-06	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	0.082
MW-11	20-Apr-07	<.006	<.010	<.100	<.001	<.001	<.010	<.010	<.010	<.010	<.050	<.010	<.010	<.005	<.025	0.021
MW-11D	31-Oct-95	<.030	<.010	<.500	<.002	0.002	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11D	19-Dec-95	<.030	<.010	<.500	<.002	<.002	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11D	26-Feb-96	<.030	<.010	<.500	<.002	0.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11D	29-Apr-96	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11D (dup)	29-Apr-96	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11 D	27-Nov-96	<.005	<.005	0.026	<.001	<.001	<.002	<.002	<.01	<.005	<.05	<.005	<.005	<.001	<.005	<.01
MW-11D	22-Apr-97	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	0.054
MW-11D	31-Oct-97	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	0.026
MW-11D	11-May-98	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	0.012	<.010	<.040	0.069
MW-11D	8-Dec-98	<.030	<.010	<.500	<.002	0.0019	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11D	14-Apr-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11D	30-Nov-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11D	5-Apr-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11D	18-Dec-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11D	18-Apr-01	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11D	27-Nov-01	<.010	<.010	<.100	<.010	<.010	<.010	<.010	<.010	<.010	<.040	<.010	<.010	<.010	<.050	<.020
MW-11D	5-Apr-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11D	5-Nov-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11D	15-Apr-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11D	29-Oct-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11D	21-Apr-04	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11D	18-Nov-04	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11D	21-Apr-05	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11D	11-Nov-05	<.005	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11D	13-Apr-06	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11D	8-Nov-06	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-11D	20-Apr-07	<.006	<.010	<.100	<.001	<.001	<.010	<.010	<.010	<.010	<.050	<.010	<.010	<.005	<.025	<.010
MW-12	31-Oct-95	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12	19-Dec-95	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12 (dup)	19-Dec-95	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.010	<.020	<.010	<.010	<.040	<.050
MW-12	26-Feb-96	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12	29-Apr-96	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12	27-Nov-96	<.005	<.005	0.2	<.001	<.001	<.002	0.005	0.01	0.006	<.05	<.005	<.005	<.001	0.014	0.028
MW-12	24-Apr-97	<.030	<.010	<.500	<.002	<.001	0.012	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	0.11
MW-12	3-Nov-97	<.030	<.010	0.55	0.0029	0.0013	0.021	0.023	<.200	0.018	<.050	<.020	<.010	<.010	0.12	0.31
MW-12	23-Nov-98	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12	14-Apr-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12	1-Dec-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12	5-Apr-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12	18-Dec-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12	17-Apr-01	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12	28-Nov-01	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12	3-Apr-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12	5-Nov-02	<.030	<.010	<.500	<.002	0.0013	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12	15-Apr-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12	30-Oct-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12	7-Apr-04	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12	18-Nov-04	<.030	<.010	<.500	<.002	<.001	0.019	0.018	<.200	<.010	<.050	<.020	<.010	<.010	0.065	0.05
MW-12	21-Apr-05	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12	10-Nov-05	<.005	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12	13-Apr-06	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12	8-Nov-06	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12	18-Apr-07	<.006	<.010	0.26	0.001	<.001	<.010	<.010	0.037	<.010	<.050	<.010	<.010	<.005	0.05	0.061

Table 2
Detected Groundwater Constituents - Metals
North Wake Lined Landfill

Monitor Well	Sample Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
NC Standard		0.006*	0.050	2	0.002*	0.00175	0.05	0.002*	1	0.015	0.1	0.05	0.0175	2*	0.025*	1.05
MW-12D	31-Oct-95	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12D	19-Dec-95	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12D	26-Feb-96	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12D	29-Apr-96	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12 D	27-Nov-96	<.005	<.005	0.013	<.001	<.001	<.002	<.002	<.01	<.005	<.05	<.005	<.005	<.001	<.005	<.01
MW-12D	24-Apr-97	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12D	3-Nov-97	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.020
MW-12D	23-Nov-98	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12D	14-Apr-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12D	1-Dec-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12D	5-Apr-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12D	18-Dec-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12D (dup)	18-Dec-00	<.030	<.010	<.500	<.002	0.0011	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12D	17-Apr-01	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12D	28-Nov-01	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12D	3-Apr-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12D	5-Nov-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12D	15-Apr-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12D	30-Oct-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12D	7-Apr-04	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12D	18-Nov-04	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12D	21-Apr-05	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12D	10-Nov-05	<.005	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12D	13-Apr-06	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12D	8-Nov-06	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-12D	18-Apr-07	<.006	<.010	<.100	<.001	<.001	<.010	<.010	<.010	<.010	<.050	<.010	<.010	<.005	<.025	<.010
MW-13	31-Oct-95	<.030	<.010	<.500	**0.002**	<.001	0.022	<.010	<.200	<.010	0.063	<.020	<.010	<.010	0.044	0.069
MW-13	19-Dec-95	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-13	26-Feb-96	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-13	29-Apr-96	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-13	27-Nov-96	<.005	<.005	0.018	<.001	<.001	<.002	<.002	<.01	<.005	<.05	<.005	<.005	<.001	<.005	<.01
MW-13	24-Apr-97	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-13	7-May-98	<.030	<.010	<.500	<.002	<.001	0.021	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-13	23-Nov-98	<.030	<.010	<.500	<.002	**0.0068**	**0.059**	**0.019**	<.200	<.010	<.050	<.020	<.010	<.010	**0.081**	0.12
MW-13	14-Apr-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-13	1-Dec-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-13	6-Apr-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-13	18-Dec-00	<.030	<.010	<.500	<.002	0.0011	0.0102	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-13	17-Apr-01	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-13	28-Nov-01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-13	3-Apr-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-13	6-Nov-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-13	15-Apr-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-13 (dup)	15-Apr-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-13	30-Oct-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-13	8-Apr-04	<.030	<.010	<.500	<.002	<.001	0.0222	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-13 (dup)	8-Apr-04	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-13	18-Nov-04	<.030	<.010	<.500	<.002	<.001	**0.086**	**0.033**	<.200	<.010	<.050	<.020	<.010	<.010	**0.099**	0.1
MW-13	21-Apr-05	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-13	10-Nov-05	<.005	<.010	0.578	<.002	<.001	**0.158**	<.010	<.200	<.010	**0.109**	<.020	<.010	<.010	**0.217**	0.272
MW-13	13-Apr-06	<.030	<.010	<.500	<.002	<.001	0.012	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-13	8-Nov-06	<.030	<.010	<.500	<.002	<.001	0.017	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-13	18-Apr-07	<.006	<.010	<.100	<.001	<.001	<.010	<.010	<.010	<.010	<.050	<.010	<.010	<.005	<.025	0.012
MW-14	31-Oct-95	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	0.052	<.020	<.010	<.010	<.040	<.050
MW-14	19-Dec-95	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-14	26-Feb-96	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	**0.021**	<.050	<.020	<.010	<.010	<.040	<.050
MW-14	29-Apr-96	<.030	<.010	<.500	<.002	<.001	0.013	**0.012**	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-14	27-Nov-96	<.005	<.005	0.011	<.001	<.001	<.002	<.002	<.01	<.005	<.05	<.005	<.005	<.001	<.005	<.01
MW-14	24-Apr-97	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	0.098
MW-14	1-Nov-97	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	0.098
MW-14	7-May-98	<.030	<.010	<.500	<.002	<.001	0.034	<.010	<.200	<.010	0.088	<.020	<.010	<.010	<.040	0.064
MW-14	23-Nov-98	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-14 (dup)	23-Nov-98	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-14	14-Apr-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-14	1-Dec-99	<.030	<.010	<.500	<.002	0.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-14	6-Apr-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-14 (dup)	6-Apr-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-14	18-Dec-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-14	17-Apr-01	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-14	28-Nov-01	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-14	3-Apr-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-14	5-Nov-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-14	15-Apr-03	<.030	<.010	<.500	<.002	0.0017	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-14	29-Oct-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-14	8-Apr-04	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-14	18-Nov-04	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-14	21-Apr-05	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-14	10-Nov-05	<.005	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-14	13-Apr-06	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-14	8-Nov-06	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-14	18-Apr-07	<.006	<.010	<.100	<.001	<.001	<.010	<.010	<.010	<.010	<.050	<.010	<.010	<.005	<.025	<.010

Table 2
Detected Groundwater Constituents - Metals
North Wake Lined Landfill

Monitor Well	Sample Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
NC Standard		0.006*	0.050	2	0.002*	0.00175	0.05	0.002*	1	0.015	0.1	0.05	0.0175	2*	0.025*	1.05
MW-15	31-Oct-95	<.030	<.010	<.500	<.002	<.001	0.012	<.010	<.200	<.010	0.064	<.020	<.010	<.010	<.040	<.050
MW-15	19-Dec-95	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-15	26-Feb-96	<.030	<.010	<.500	<.002	<.001	0.036	0.012	<.200	<.010	<.050	<.020	<.010	<.010	0.143	<.050
MW-15	29-Apr-96	<.030	<.010	<.500	0.005	<.001	0.196	0.052	0.503	0.034	0.094	<.020	<.010	<.010	0.410	0.240
MW-15	27-Nov-96	<.005	<.005	0.15	<.001	<.001	0.003	0.007	0.017	<.005	<.05	<.005	<.005	<.001	0.051	0.046
MW-15 (dup)	27-Nov-96	<.005	<.005	0.2	<.001	<.001	0.004	0.007	0.021	<.005	<.05	<.005	<.005	<.001	0.072	0.046
MW-15	24-Apr-97	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	0.078
MW-15 (dup)	24-Apr-97	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-15	31-Oct-97	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	0.078
MW-15	7-May-98	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	0.012	<.040	<.050
MW-15	23-Nov-98	<.030	<.010	<.500	<.002	0.0025	0.01	<.010	<.200	<.010	<.050	<.020	<.010	<.010	0.040	0.12
MW-15	14-Apr-99	<.030	<.010	<.500	<.002	0.0011	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	0.0159
MW-15	1-Dec-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-15	6-Apr-00	<.030	<.010	<.500	<.002	0.0015	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-15	18-Dec-00	<.030	<.010	<.500	<.002	0.0014	<.010	0.0102	<.200	<.010	<.050	<.020	<.010	<.010	0.0941	0.475
MW-15	17-Apr-01	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-15 (dup)	17-Apr-01	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-15	28-Nov-01	<.030	<.010	<.500	<.002	0.0011	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	0.0669	0.165
MW-15	3-Apr-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-15	6-Nov-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-15	15-Apr-03	<.030	<.010	<.500	<.002	0.0019	0.0195	0.0169	<.200	<.010	<.050	<.020	<.010	<.010	0.0617	<.050
MW-15	29-Oct-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-15	8-Apr-04	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-15	18-Nov-04	<.030	<.010	<.500	<.002	<.001	0.06	0.025	<.200	<.010	0.052	<.020	<.010	<.010	0.142	0.09
MW-15	21-Apr-05	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-15	10-Nov-05	<.005	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-15	13-Apr-06	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-15	8-Nov-06	<.030	<.010	<.500	<.002	<.001	0.011	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	0.061
MW-15	18-Apr-07	<.006	<.010	<.100	<.001	<.001	<.010	<.010	<.010	<.010	<.050	<.010	<.010	<.005	<.025	<.010
MW-15D	31-Oct-95	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-15D	19-Dec-95	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-15D	26-Feb-96	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-15D	29-Apr-96	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-15D	27-Nov-96	<.005	<.005	0.05	<.001	<.001	0.003	<.002	<.01	<.005	<.05	<.005	<.005	<.001	0.005	<.01
MW-15D	24-Apr-97	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	0.05
MW-15D	31-Oct-97	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	0.013	<.050	<.020	<.010	<.010	<.040	0.05
MW-15D	7-May-98	<.030	<.010	<.500	<.002	<.001	0.013	<.010	<.200	<.010	<.050	<.020	<.010	0.011	<.040	<.050
MW-15D	23-Nov-98	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-15D	14-Apr-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-15D	1-Dec-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-15D	6-Apr-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-15D	18-Dec-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-15D	17-Apr-01	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-15D	28-Nov-01	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-15D	3-Apr-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-15D	6-Nov-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-15D	15-Apr-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-15D	29-Oct-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-15D	8-Apr-04	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-15D	18-Nov-04	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-15D	21-Apr-05	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-15D	10-Nov-05	<.005	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-15D	13-Apr-06	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-15D	8-Nov-06	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-15D	18-Apr-07	<.006	<.010	<.100	<.001	<.001	<.010	<.010	<.010	<.010	<.050	<.010	<.010	<.005	<.025	<.010
MW-16	31-Oct-95	<.030	<.010	<.500	<.002	<.001	0.590	<.010	<.200	<.010	0.073	<.020	<.010	<.010	<.040	<.050
MW-16	19-Dec-95	<.030	<.010	<.500	<.002	<.001	0.204	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-16	26-Feb-96	<.030	<.010	<.500	<.002	<.001	0.086	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-16 (dup)	26-Feb-96	<.030	<.010	<.500	<.002	<.001	0.020	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-16	29-Apr-96	<.030	<.010	<.500	0.003	<.001	0.040	0.017	<.200	0.037	<.050	<.020	<.010	<.010	0.065	0.051
MW-16	27-Nov-96	<.005	<.005	0.15	<.001	<.001	<.002	0.002	<.01	<.005	<.05	<.005	<.005	<.001	<.005	<.01
MW-16	24-Apr-97	<.030	<.010	<.500	<.002	<.001	0.012	<.010	<.200	0.011	<.050	<.020	<.010	<.010	<.040	0.14
MW-16	31-Oct-97	<.030	<.010	<.500	<.002	<.001	<.010	0.01	<.200	<.010	<.050	<.020	<.010	<.010	<.040	0.045
MW-16 (dup)	31-Oct-97	<.030	<.010	<.500	<.002	<.001	0.012	0.013	<.200	0.012	<.050	<.020	<.010	<.010	<.040	0.031
MW-16	7-May-98	<.030	<.010	<.500	<.002	<.001	0.012	<.010	<.200	<.010	<.050	<.020	<.010	0.015	<.040	<.050
MW-16	23-Nov-98	<.030	<.010	<.500	<.002	0.0015	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-16	14-Apr-99	<.030	<.010	<.500	<.002	0.0013	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-16	1-Dec-99	<.030	<.010	<.500	<.002	0.0013	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-16	6-Apr-00	<.030	<.010	<.500	<.002	<.001	<.010	0.0133	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-16	18-Dec-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-16	17-Apr-01	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-16	28-Nov-01	<.030	0.0133	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-16	3-Apr-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-16	6-Nov-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-16	15-Apr-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-16	29-Oct-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-16 (dup)	29-Oct-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-16	8-Apr-04	<.030	0.0151	<.500	<.002	<.001	<.010	0.0124	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-16	18-Nov-04	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
MW-16	21-Apr-05	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-16	10-Nov-05	<.005	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-16	13-Apr-06	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-16	8-Nov-06	<.030	0.012	<.500	<.002	<.001	0.012	0.012	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-16	18-Apr-07	<.006	<.010	0.112	<.001	<.001	<.010	<.010	0.011	<.010	<.050	<.010	<.010	<.005	<.025	0.029

Table 2
Detected Groundwater Constituents - Metals
North Wake Lined Landfill

Monitor Well	Sample Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
NC Standard		0.006*	0.050	2	0.002*	0.00175	0.05	0.002*	1	0.015	0.1	0.05	0.0175	2*	0.025*	1.05
MW-17	31-Oct-95	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.005	<.050
MW-17	19-Dec-95	<.030	<.010	<.500	<.002	<.001	0.012	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17	26-Feb-96	<.030	<.010	<.500	0.003	<.001	0.036	0.011	<.200	0.016	<.050	<.020	<.010	<.010	0.104	0.052
MW-17	29-Apr-96	<.030	<.010	<.500	<.002	<.001	0.014	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17	27-Nov-96	<.005	<.005	0.023	<.001	<.001	0.003	<.002	<.01	<.005	<.05	<.005	<.005	<.001	<.005	<.01
MW-17	24-Apr-97	<.030	<.010	<.500	<.002	<.001	0.02	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	0.056
MW-17	31-Oct-97	<.030	<.010	<.500	<.002	<.001	0.013	<.010	<.200	0.01	<.050	<.020	<.010	<.010	<.040	0.035
MW-17	11-May-98	<.030	<.010	<.500	<.002	<.001	0.011	<.010	<200	<.010	<.050	<.020	<.010	<.010	<.040	0.13
MW-17	23-Nov-98	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17	14-Apr-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17	1-Dec-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17	6-Apr-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17	18-Dec-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17	17-Apr-01	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17	29-Nov-01	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17	3-Apr-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17 (dup)	3-Apr-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17	6-Nov-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17	15-Apr-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17	29-Oct-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17	8-Apr-04	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17	18-Nov-04	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17	21-Apr-05	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17	10-Nov-05	<.005	<.010	<.500	<.002	<.001	0.014	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17	13-Apr-06	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17	8-Nov-06	<.030	<.010	<.500	0.003	<.001	0.02	<.010	<.200	0.017	<.050	<.020	<.010	<.010	0.042	<.050
MW-17	18-Apr-07	<.006	<.010	<.100	<.001	<.001	<.010	<.010	<.010	<.010	<.050	<.010	<.010	<.005	<.025	<.010
MW-17D	31-Oct-95	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17D	19-Dec-95	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17D	26-Feb-96	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17D	29-Apr-96	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17D	27-Nov-96	<.005	<.005	0.026	<.001	<.001	0.005	<.002	<.01	<.005	<.05	<.005	<.005	<.001	<.005	<.01
MW-17D	24-Apr-97	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17D	31-Oct-97	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.020
MW-17D	11-May-98	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	0.058
MW-17D	23-Nov-98	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17D	14-Apr-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17D	1-Dec-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17D	6-Apr-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17D	18-Dec-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17D	17-Apr-01	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17D	29-Nov-01	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17D	3-Apr-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17D	6-Nov-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	0.539
MW-17D	15-Apr-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17D	29-Oct-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17D	8-Apr-04	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17D	18-Nov-04	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17D	21-Apr-05	<.030	<.010	<.500	<.002	0.002	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17D	10-Nov-15	<.005	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17D	13-Apr-06	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17D	8-Nov-06	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-17D	18-Apr-07	<.006	<.010	<.100	<.001	<.001	0.021	<.010	<.010	<.010	<.050	<.010	<.010	<.005	<.025	<.010
MW-18	31-Oct-95	<.030	<.010	0.857	0.004	<.001	0.271	0.092	<.200	0.018	0.264	<.020	<.010	<.010	0.207	0.428
MW-18 (dup)	31-Oct-95	<.030	<.010	1.347	0.009	<.001	0.505	0.145	<.200	0.027	0.458	<.020	<.010	<.010	0.307	0.875
MW-18	19-Dec-95	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-18	26-Feb-96	<.030	<.010	<.500	<.002	<.001	0.067	0.038	<.200	0.012	<.050	<.020	<.010	<.010	0.107	0.150
MW-18	29-Apr-96	<.030	<.010	<.500	0.005	<.001	0.299	0.127	0.620	0.023	0.218	<.020	<.010	<.010	0.165	0.606
MW-18	27-Nov-96	<.005	<.005	0.018	<.001	<.001	<.002	<.002	<.01	<.005	<.05	<.005	<.005	<.001	<.005	<.01
MW-18	24-Apr-97	<.030	<.010	<.500	<.002	0.001	<.010	0.045	<.200	<.010	0.066	<.020	<.010	<.010	0.11	0.26
MW-18	31-Oct-97	<.030	<.010	<.500	<.002	<.001	0.064	0.026	<.200	<.010	<.050	<.020	<.010	<.010	0.052	0.11
MW-18	7-May-98	<.030	<.010	<.500	<.002	<.001	0.014	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-18	23-Nov-98	<.030	<.010	<.500	<.002	0.0012	0.013	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-18	14-Apr-99	<.030	<.010	<.500	<.002	0.0018	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-18	1-Dec-99	<.030	<.010	<.500	<.002	<.001	0.0123	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-18	6-Apr-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-18	18-Dec-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-18	17-Apr-01	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-18	29-Nov-01	<.030	<.010	<.500	<.002	<.001	0.0231	0.0165	<.200	<.010	<.050	<.020	<.010	<.010	<.040	0.0676
MW-18	5-Apr-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-18	6-Nov-02	<.030	<.010	<.500	<.002	<.001	0.0146	0.0106	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-18	15-Apr-03	<.030	<.010	<.500	<.002	0.0010	0.0235	0.0133	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-18	29-Oct-03	<.030	<.010	<.500	<.002	<.001	0.0275	0.0134	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-18	8-Apr-04	<.030	<.010	<.500	<.002	<.001	0.0251	0.0119	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-18	18-Nov-04	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-18	21-Apr-05	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-18	10-Nov-05	<.005	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-18	13-Apr-06	<.030	<.010	<.500	<.002	<.001	0.023	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	0.051
MW-18	8-Nov-06	<.030	<.010	0.598	0.003	<.001	0.047	0.019	<.200	0.017	<.050	<.020	<.010	<.010	0.056	0.244
MW-18	18-Apr-07	<.006	<.010	0.106	<.001	<.001	<.010	<.010	0.026	<.010	<.050	<.010	<.010	<.005	0.025	0.043

Table 2
Detected Groundwater Constituents - Metals
North Wake Lined Landfill

Monitor Well	Sample Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
NC Standard		0.006*	0.050	2	0.002*	0.00175	0.05	0.002*	1	0.015	0.1	0.05	0.0175	2^	0.025*	1.05
MW-19	8-Mar-99	<.030	<.010	<.500	<.002	0.003	0.124	0.0285	<.200	0.0124	0.056	<.020	<.010	<.010	0.0826	0.0673
MW-19	15-Apr-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-19	27-May-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-19	20-Jul-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-19	4-Aug-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-19 (dup)	4-Aug-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-19	1-Dec-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-19	5-Apr-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-19	18-Dec-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-19	18-Apr-01	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-19	28-Nov-01	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-19	4-Apr-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-19	5-Nov-02	<.030	<.010	<.500	<.002	<.001	0.0178	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-19	16-Apr-03	<.030	<.010	<.500	<.002	<.001	0.0294	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-19	30-Oct-03	<.030	<.010	<.500	<.002	<.001	<0.10	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-19	7-Apr-04	<.030	<.010	<.500	<.002	<.001	<0.10	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-19	18-Nov-04	<.030	<.010	<.500	<.002	<.001	0.018	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-19	21-Apr-05	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-19	10-Nov-05	<.005	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-19	13-Apr-06	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-19	8-Nov-06	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-19	18-Apr-07	<.006	<.010	<.100	<.001	<.001	<.010	<.010	<.010	<.010	<.050	<.010	<.010	<.005	<.025	<.010
MW-20	15-Apr-99	<.030	<.010	<.500	<.002	0.00012	0.0118	0.036	<.200	<.010	<.050	<.020	<.010	<.010	<.040	0.098
MW-20	27-May-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-20 (dup)	27-May-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-20	20-Jul-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-20	4-Aug-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-20	1-Dec-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-20	5-Apr-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-20	18-Dec-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-20	18-Apr-01	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-20	27-Nov-01	<.010	<.010	0.179	<.010	<.010	<.010	0.0279	0.122	<.010	<.040	<.010	<.010	<.010	<.050	0.0827
MW-20	4-Apr-02	<.030	<.010	<.500	<.002	<.001	<.010	0.011	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-20	6-Nov-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-20	16-Apr-03	<.030	<.010	<.500	<.002	0.0013	0.0101	0.0191	<.200	<.010	<.050	<.020	<.010	<.010	<.040	0.0601
MW-20	30-Oct-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-20	7-Apr-04	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-20	18-Nov-04	<.030	<.010	<.500	<.002	<.001	<.010	0.01	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-20	21-Apr-05	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-20	10-Nov-05	<.005	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-20	13-Apr-06	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-20	8-Nov-06	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-20	18-Apr-07	<.006	<.010	<.100	<.001	<.001	<.010	<.010	0.019	<.010	<.050	<.010	<.010	<.005	<.025	0.015
MW-21	15-Apr-99	<.030	<.010	<.500	<.002	0.004	<.010	0.0632	0.362	0.0147	0.0527	<.020	<.010	<.010	0.0565	0.347
MW-21	27-May-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-21	20-Jul-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-21	4-Aug-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-21	30-Nov-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-21	5-Apr-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-21	18-Dec-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-21	18-Apr-01	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-21	27-Nov-01	<.010	<.010	<.100	<.010	<.010	<.010	<.010	<.010	<.010	<.040	<.010	<.010	<.010	<.050	<.020
MW-21	4-Apr-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-21	5-Nov-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-21	16-Apr-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-21	30-Oct-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-21	7-Apr-04	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-21	18-Nov-04	<.030	<.010	<.500	<.002	<.001	<.010	0.016	<.200	<.010	<.050	<.020	<.010	<.010	0.049	<.050
MW-21	21-Apr-05	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-21	10-Nov-05	<.005	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-21	13-Apr-06	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-21	8-Nov-06	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-21	18-Apr-07	<.006	<.010	<.100	<.001	<.001	<.010	<.010	<.010	<.010	<.050	<.010	<.010	<.005	<.025	<.010
MW-25	15-Apr-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25	27-May-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25	20-Jul-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25 (dup)	20-Jul-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25	4-Aug-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25	1-Dec-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25	5-Apr-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25	18-Dec-00	<.030	<.010	<.500	<.002	0.0011	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25	18-Apr-01	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25	27-Nov-01	<.010	<.010	<.100	<.010	<.010	<.010	<.010	<.010	<.010	<.040	<.010	<.010	<.010	<.050	<.020
MW-25	4-Apr-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25	5-Nov-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25	16-Apr-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25	30-Oct-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25	7-Apr-04	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25	18-Nov-04	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25	21-Apr-05	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25	10-Nov-05	<.005	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25	13-Apr-06	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25	8-Nov-06	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25	18-Apr-07	<.006	<.010	<.100	<.001	<.001	<.010	<.010	<.010	<.010	<.050	<.010	<.010	<.005	<.025	0.01

Table 2
Detected Groundwater Constituents - Metals
North Wake Lined Landfill

Monitor Well	Sample Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
NC Standard		0.006*	0.050	2	0.002*	0.00175	0.05	0.002*	1	0.015	0.1	0.05	0.0175	2*	0.025*	1.05
MW-25D	15-Apr-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25D	27-May-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25D	20-Jul-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25D	4-Aug-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25D	1-Dec-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25D	5-Apr-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25D	16-Dec-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25D	18-Apr-01	<.030	<.010	<.500	<.002	0.0039	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25D	27-Nov-01	<.010	<.010	<.100	<.010	<.010	<.010	<.010	0.0109	<.010	<.040	<.010	<.010	<.010	<.050	<.020
MW-25D	4-Apr-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25D	5-Nov-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25D	16-Apr-03	<.030	<.010	<.500	<.002	0.0033	0.0172	0.0212	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25D	30-Oct-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25D	7-Apr-04	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25D	18-Nov-04	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25D	21-Apr-05	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25D	10-Nov-05	<.005	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25D	13-Apr-06	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25D	8-Nov-06	<.030	<.010	<.500	<.002	<.001	0.01	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-25D	18-Apr-07	<.006	<.010	<.100	<.001	<.001	<.010	<.010	<.010	<.010	<.050	<.010	<.010	<.005	<.025	<.010
MW-26	27-May-99	<.030	<.010	<.500	<.002	0.0014	<.010	0.0306	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-26	20-Jul-99	<.030	<.010	<.500	<.002	<.001	<.010	0.0102	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-26	4-Aug-99	<.030	<.010	<.500	<.002	<.001	<.010	0.01	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-26 (dup)	4-Aug-99	<.030	<.010	<.500	<.002	<.001	<.010	0.0102	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-26	30-Nov-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-26 (dup)	30-Nov-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-26	5-Apr-00	<.030	<.010	<.500	<.002	0.0017	<.010	0.0146	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-26	15-Dec-00	<.030	<.010	<.500	<.002	0.0018	<.010	0.02	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-26	18-Apr-01	<.030	<.010	<.500	<.002	<.001	<.010	0.0109	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-26	27-Nov-01	<.010	<.010	<.100	<.010	<.010	<.010	0.0126	<.010	<.010	<.040	<.010	<.010	<.010	<.050	<.020
MW-26	4-Apr-02	<.030	<.010	<.500	<.002	<.001	<.010	0.0111	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-26	5-Nov-02	<.030	<.010	<.500	<.002	0.0016	<.010	0.0152	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-26 (dup)	5-Nov-02	<.030	<.010	<.500	<.002	0.0018	<.010	0.0154	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-26	16-Apr-03	<.030	<.010	<.500	<.002	0.0012	<.010	0.0165	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-26	30-Oct-03	<.030	<.010	<.500	<.002	0.0011	<.010	0.0278	<.200	<.010	<.050	<.020	<.010	<.010	0.0405	<.050
MW-26	7-Apr-04	<.030	<.010	<.500	<.002	<.001	<.010	0.0117	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-26	18-Nov-04	<.030	<.010	<.500	<.002	<.001	0.011	0.023	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-26	21-Apr-05	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-26	10-Nov-05	<.005	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-26	13-Apr-06	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-26	8-Nov-06	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
MW-26	18-Apr-07	<.006	<.010	0.387	0.001	0.002	0.016	0.026	0.356	<.010	<.050	<.010	<.010	<.005	0.059	0.165
SW-2	31-Oct-95	<.030	<.010	<.500	<.002	0.002	<.001	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-2	28-Nov-96	<.005	<.005	0.025	<.001	<.001	<.002	0.002	<.01	<.005	<.05	<.005	<.005	<.001	<.005	0.021
SW-2	21-Apr-97	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-2	11-Nov-97	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.020
SW-2	11-May-98	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-2	23-Nov-98	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-2	14-Apr-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-2	9-Apr-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-2	16-Apr-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-2	29-Oct-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-2	8-Apr-04	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-3	31-Oct-95	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-3	27-Nov-96	<.005	<.005	0.033	<.001	<.001	<.002	<.002	<.01	<.005	<.05	<.005	<.005	<.001	<.005	0.032
SW-3	21-Apr-97	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-3	1-Nov-97	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	0.056
SW-3	11-May-98	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-3	23-Nov-98	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-3	14-Apr-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-3	30-Nov-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-3	6-Apr-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-3	15-Dec-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-3	17-Apr-01	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-3	29-Nov-01	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-3	3-Apr-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-3	6-Nov-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-3	15-Apr-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-3	29-Oct-03	<.030	<.010	<.500	<.002	<.001	0.0111	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-3	8-Apr-04	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050

Table 2
Detected Groundwater Constituents - Metals
North Wake Lined Landfill

Monitor Well	Sample Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
NC Standard		0.006*	0.050	2	0.002*	0.00175	0.05	0.002*	1	0.015	0.1	0.05	0.0175	2*	0.025*	1.05
SW-4	31-Oct-95	<.030	<.010	<.500	<.002	<.001	0.013	0.012	<.200	0.018	<.050	<.020	<.010	<.010	<.040	<.050
SW-4	28-Dec-96	<.005	<.005	0.013	<.001	<.001	<.002	0.002	<.01	<.005	<.05	<.005	<.005	<.001	<.005	<.01
SW-4	21-Apr-97	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-4	3-Nov-97	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.020
SW-4	11-May-98	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-4	23-Nov-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SW-4	14-Apr-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-4	30-Nov-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-4	5-Apr-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-4	15-Dec-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-4	17-Apr-01	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-4	29-Nov-01	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-4	3-Apr-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-4	6-Nov-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-4	15-Apr-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-4	30-Oct-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-4	7-Apr-04	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-4	18-Nov-04	<.030	<.010	<.500	<.002	0.001	0.011	0.015	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-4	21-Apr-05	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-4	10-Nov-05	<.005	<.010	<.500	<.002	0.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-4	13-Apr-06	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-4	8-Nov-06	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-4	18-Apr-07	<.005	<.010	<.100	<.001	<.001	<.010	<.010	<.010	<.010	<.050	<.010	<.010	<.005	<.025	0.025
SW-5	31-Oct-95	<.030	<.010	<.500	<.002	<.001	0.012	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-5	27-Nov-96	<.005	<.005	0.044	<.001	<.001	<.002	0.002	<.01	<.005	<.05	<.005	<.005	<.001	<.005	0.012
SW-5	21-Apr-97	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-5	1-Nov-97	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	0.042
SW-5	11-May-98	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-5	23-Nov-98	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-5	14-Apr-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-5	30-Nov-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-5	6-Apr-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-5	15-Dec-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-5	17-Apr-01	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-5	29-Nov-01	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-5	3-Apr-02	<.030	<.010	<.500	<.002	0.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-5	6-Nov-02	<.030	<.010	<.500	<.002	0.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-5	15-Apr-03	<.030	<.010	<.500	<.002	0.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-5	29-Oct-03	<.030	<.010	<.500	<.002	0.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-5	8-Apr-04	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-5	18-Nov-04	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-5	21-Apr-05	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
SW-5	10-Nov-05	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
SW-5	13-Apr-06	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
SW-5	8-Nov-06	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-5	18-Apr-07	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry	dry
SW-6	30-Nov-99	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-6	5-Apr-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-6	15-Dec-00	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-6	18-Apr-01	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-6	29-Nov-01	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-6	4-Apr-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-6	5-Nov-02	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-6	16-Apr-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-6	30-Oct-03	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-6	7-Apr-04	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	0.011	<.040	<.050
SW-6	18-Nov-04	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-6	21-Apr-05	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-6	10-Nov-05	<.005	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-6	13-Apr-06	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-6	8-Nov-06	<.030	<.010	<.500	<.002	<.001	<.010	<.010	<.200	<.010	<.050	<.020	<.010	<.010	<.040	<.050
SW-6	18-Apr-07	<.005	<.010	<.100	<.001	<.001	<.010	<.010	<.010	<.010	<.050	<.010	<.010	<.005	<.025	<.010

Notes: DUP - Duplicate samples results; D - Deep well

All units are in milligrams per liter (parts per million).

* - Groundwater Protection Standard

- Concentrations exceeds N.C. Groundwater Standards (2L) or Groundwater Protection Standard

Table 3
Summary of Calculated Groundwater Flow Velocities
April 18, 2007
North Wake Lined Landfill

Monitoring Well Designation	*Hydraulic Conductivity * ft/day (cm/s)*	*Gradient*	*Effective Porosity**	*Average Linear Velocity (ft/day)*	*General Flow Direction*
MW-11	5.66 (2.00E-03)	0.0213	0.13	9.27E-01	NE
MW-11D	0.509 (1.80E-04)	0.0213	0.05	2.17E-01	NE
MW-12	0.486 (1.71E-04)	0.0263	0.13	9.83E-02	NNE
MW-12D	5.24 (1.85E-03)	0.0263	0.05	2.76E+00	NNE
MW-13	1.02 (3.60E-04)	0.0250	0.13	1.96E-01	NNE
MW-14	2.05 (7.23E-04)	0.0417	0.13	6.58E-01	NE
MW-15	2.54 (8.96E-04)	0.0167	0.25	1.70E-01	E
MW-15D	1.33 (4.69E-04)	0.0167	0.05	4.44E-01	E
MW-16	0.00967 (3.41E-06)	0.0230	0.05	4.45E-03	NNE
MW-17	1.18 (4.16E-04)	0.0303	0.18	1.99E-01	NE
MW-17D	0.367 (1.29E-04)	0.0303	0.05	2.22E-01	NE
MW-18	6.86 (2.42E-03)	0.0417	0.13	2.20E+00	NNE
MW-19	1.40 (4.92E-04)	0.0222	0.08	3.89E-01	NE
MW-20	0.58 (2.06E-04)	0.0323	0.13	1.44E-01	ENE
MW-21	1.34 (4.73E-04)	0.0211	0.13	2.17E-01	NE
MW-25	1.40 (4.96E-04)	0.0211	0.15	1.97E-01	NE
MW-25D	0.02 (8.04E-06)	0.0211	0.15	2.81E-03	NE
MW-26	0.72 (2.54E-04)	0.0250	0.13	1.38E-01	ENE

* Hydraulic Conductivity and Effective Porosity obtained from April 2004 Semi-Annual Monitoring Report Prepared for Wake County by CDM

NOTES:

1 TOPOGRAPHIC INFORMATION FOR CLOSED MSW LANDFILL OBTAINED FROM "COMPREHENSIVE SITE PLAN NORTH WAKE LINED LANDFILL, NEUSE TOWNSHIP, WAKE COUNTY, NORTH CAROLINA" PREPARED BY TAYLOR, WEISMAN AND TAYLOR, CARY, N.C., DATED FEBUARY 21, 2005.

2 COORDINATES AND ELEVATIONS FOR GROUNDWATER MONITORING WELLS OBTAINED FROM "COMPREHENSIVE SITE PLAN NORTH WAKE LINED LANDFILL, NEUSE TOWNSHIP, WAKE COUNTY, NORTH CAROLINA" PREPARED BY TAYLOR, WEISMAN AND TAYLOR, CARY, N.C., DATED FEBUARY 21, 2005.

3 FOR GROUNDWATER WELL LOCATIONS AND SURVEY DATA, SEE DRAWINGS GW-1 FOR NORTH WAKE UNLINED LANDFILL.

GROUNDWATER MONITORING WELL TABLE

WELL DESIGNATION	NORTHING	EASTING	TOP OF CASING ELEVATION	GROUND ELEVATION
MW-CD-1	786056.76	2123435.38	296.19'	293.15'
MW-CD-2	786515.30	2123758.57	282.56'	280.20'
MW-CD-3	786453.70	2123368.79	301.33'	298.90'
MW-1	786333.93	2122923.54	333.68'	330.94'
MW-4	786604.24	2126044.40	226.18'	226.85'
MW-11	784849.07	2123634.42	342.96'	340.55'
MW-11D	784855.44	2123635.84	343.01'	340.40'
MW-12	786403.72	2124969.57	260.76'	258.30'
MW-12D	786403.90	2124973.69	260.82'	258.30'
MW-13	786359.55	2125313.51	270.06'	267.55'
MW-14	786333.89	2125613.00	270.05'	267.60'
MW-15	786532.52	2126066.34	238.67'	236.35'
MW-15D	786534.63	2126061.05	238.75'	236.30'
MW-16	785988.35	2126163.82	266.56'	262.82'
MW-17	785641.25	2125816.11	273.68'	271.10'
MW-17D	785645.21	2125819.36	273.41'	271.00'
MW-18	785085.37	2125470.00	282.35'	279.90'
MW-19	786456.16	2124623.58	283.79'	281.00'
MW-20	786465.49	2124233.80	290.94'	287.20'
MW-21	786040.69	2123711.99	308.77'	305.25'
MW-25	785775.18	2123315.78	294.33'	291.45'
MW-25D	785779.93	2123327.76	293.91'	291.50'
MW-26	786476.65	2123970.24	275.37'	272.45'
MW-X (UNUSED)	784455.43	2123452.77	357.01'	356.30'

LEGEND

MW-12 — DENOTES GROUNDWATER MONITORING WELL LOCATION AND IDENTIFYING NUMBER.

SW-2 — DENOTES SURFACE WATER SAMPLING LOCATION

1"=200'-0" 200 100 0 200'

NO.	ISSUED FOR	DATE	BY
6	APRIL 18, 2007 SAMPLING EVENT	6/07	JAB
5	NOV. 08, 2006 SAMPLING EVENT	2/07	JAB
4	APRIL 13, 2006 SAMPLING EVENT	7/06	JAB
3	NOVEMBER 10,2005 SAMPLING EVENT	2/06	JAB
2	APRIL 21, 2005 SAMPLING EVENT	7/05	JAB
1	NOV.18, 2004 SAMPLING EVENT	3/05	JAB

DESIGNED JAB
DRAWN PWS
CHECKED
PROJ. ENGR. JAB
APPROVED

THIS DOCUMENT ORIGINALLY PREPARED AND SEALED BY JOHN A. BOVE, SEAL NUMBER 19391. THIS MEDIA SHALL NOT BE CONSIDERED A CERTIFIED DOCUMENT

HAZEN AND SAWYER
Environmental Engineers & Scientists
4011 WestChase Blvd, Raleigh, North Carolina 27607

WAKE COUNTY SOLID WASTE MANAGEMENT DIVISION

NORTH WAKE LINED LANDFILL
NEUSE TWP WAKE COUNTY, NORTH CAROLINA

LINED MSW AND C&DD LANDFILL
MONITORING WELL LOCATION PLAN

THE SCALE BAR SHOWN BELOW MEASURES ONE INCH LONG ON THE ORIGINAL DRAWING.

DATE MARCH 2005
H & S JOB NUMBER 30547
CONTRACT NUMBER
DRAWING NUMBER GW2
H&S FLAT FILE NO. .

PLOT DATE 02/23/07 2:16pm FILE= H:\30547\northwake\GEN\gw002_11-08-06 by ENG XREFs=northwake\00\SP-TP-NORTHWAKE, misc\30547TB_NORTHWAKE_Lined, northwake\00\SP-MONWELL-NORTHWAKE_2005C,

NOTES:

1 TOPOGRAPHIC INFORMATION FOR CLOSED MSW LANDFILL OBTAINED FROM "COMPREHENSIVE SITE PLAN NORTH WAKE LINED LANDFILL, NEUSE TOWNSHIP, WAKE COUNTY, NORTH CAROLINA" PREPARED BY TAYLOR, WEISMAN AND TAYLOR, CARY, N.C., DATED FEBUARY 21, 2005.

2 COORDINATES AND ELEVATIONS FOR GROUNDWATER MONITORING WELLS OBTAINED FROM "COMPREHENSIVE SITE PLAN NORTH WAKE LINED LANDFILL, NEUSE TOWNSHIP, WAKE COUNTY, NORTH CAROLINA" PREPARED BY TAYLOR, WEISMAN AND TAYLOR, CARY, N.C., DATED FEBUARY 21, 2005.

3 FOR GROUNDWATER WELL LOCATIONS AND SURVEY DATA FOR NORTH WAKE UNLINED LANDFILL, SEE DRAWINGS GW-1.

4 FOR POTENTIOMETRIC SURFACE MAP FOR NORTH WAKE UNLINED LANDFILL, SEE DRAWING GW-3.

GROUNDWATER MONITORING WELL DATA

MONITORING WELL	TOC ELEVATION (AMSL)	GROUNDWATER ELEVATION APRIL 18, 2007
MW-11**	342.96	300.21
MW-11 D**	343.01	300.10
MW-12	260.76	244.29
MW-12D	260.82	243.43
MW-13	270.06	248.14
MW-14	270.05	227.05
MW-15	238.67	221.39
MW-15D	238.75	221.07
MW-16	266.56	255.46
MW-17	273.68	242.43
MW-17D	273.41	241.60
MW-18	282.35	263.59
MW-19	283.79	246.97
MW-20	290.94	261.34
MW-21	308.77	277.77
MW-25	294.33	286.68
MW-25d	293.91	286.08
MW-26	275.37	266.72
SW-4	---	---
SW-5	---	---
SW-6	---	---
MW-1	333.80	288.62
CD-1	296.26	283.85
CD-2	282.64	271.74
CD-3	301.49	280.83

NS – NOT SAMPLED

LEGEND

MW-12 298.7 — DENOTES GROUNDWATER MONITORING WELL LOCATION, IDENTIFYING NUMBER AND MEASURED GROUNDWATER ELEVATION ON REFERENCED DATE

MW-28 NS — DENOTES GROUNDWATER MONITORING WELL LOCATION, IDENTIFYING NUMBER THAT WAS NOT SAMPLED ON REFERENCED DATE

DENOTES GENERAL GROUNDWATER FLOW DIRECTION

1"=200'-0" 200 100 0 200'

NO.	ISSUED FOR	DATE	BY
6	APRIL 18, 2007 SAMPLING EVENT	6/07	JAB
5	NOV. 08, 2006 SAMPLING EVENT	2/07	JAB
4	APRIL 13, 2006 SAMPLING EVENT	7/06	JAB
3	NOVEMBER 10,2005 SAMPLING EVENT	2/06	JAB
2	APRIL 21, 2005 SAMPLING EVENT	7/05	JAB
1	NOV.18, 2004 SAMPLING EVENT	3/05	JAB

DESIGNED JAB
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PROJ. ENGR. JAB
APPROVED

THIS DOCUMENT ORIGINALLY PREPARED AND SEALED BY JOHN A. BOVE, SEAL NUMBER 19391. THIS MEDIA SHALL NOT BE CONSIDERED A CERTIFIED DOCUMENT

HAZEN AND SAWYER
Environmental Engineers & Scientists
4011 WestChase Blvd, Raleigh, North Carolina 27607

WAKE COUNTY SOLID WASTE MANAGEMENT DIVISION

NORTH WAKE LINED LANDFILL
NEUSE TWP WAKE COUNTY, NORTH CAROLINA

POTENTIOMETRIC SURFACE MAP
APRIL 18, 2007

THE SCALE BAR SHOWN BELOW MEASURES ONE INCH LONG ON THE ORIGINAL DRAWING.

DATE MARCH 2005
H & S JOB NUMBER 30547
CONTRACT NUMBER
DRAWING NUMBER GW4
H&S FLAT FILE NO. .

PLOT DATE 02/23/07 11:39am FILE= H:\30547\northwake\GEN\gw004_11-08-06 by ENG XREFs=nnorthwake\00\SP-TP-NORTHWAKE, misc\30547TB_NORTHWAKE_Lined, northwake\00\SP-potent-11-08-06-lined,

Scanned by	Date	Doc ID #
DCH	8/17/07	RCO 2821

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).
- In accordance with NC General Statutes Chapter 89C and 89E and NC Solid Waste Management Rules 15A NCAC 13B, be sure to affix a seal to the bottom of this page, when applicable.
- 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):

Hazen and Sawyer, P.C.

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

Name: John A. Bove, P.E. Phone: (919)833-7152

E-mail: jbove@hazenandsawyer.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
North Wake Lined Landfill	9004 Deponie Drive Raleigh, NC 27615	92-09 P0931	.0500	April 18, 2007

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 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.

John A. Bove, P.E.	Associate	(919) 833-7152
Facility Representative Name (Print)	Title	(Area Code) Telephone Number

Signature: John A. Bove Date: 7/10/07

Affix NC Licensed/ Professional Geologist/Engineer Seal here:

NORTH CAROLINA PROFESSIONAL SEAL 19391 ENGINEER JOHN A. BOVE

Revised 01/2007

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#: 6063

NORTH WAKE LINED LANDFILL
C\O MR. JOHN BOVE
HAZEN AND SAWYER
4011 WESTCHASE BLVD, SUITE 500
RALEIGH ,NC 27607

DATE COLLECTED: 04/18/07
DATE REPORTED : 05/03/07

REVIEWED BY:

PARAMETERS	MW-12	MW-12D	MW-13	MW-14	MW-15	Analysis Date	Analyst	Method Code
PH (field measurement), Units	5.6	5.8	5.8	5.7	5.7	04/18/07	RJH	SM4500HB
Antimony, ug/l	<6.0	<6.0				04/24/07	LFJ	EPA200.8
Antimony, ug/l			<6.0	<6.0	<6.0	04/25/07	CMF	EPA200.8
Arsenic, ug/l	< 10	< 10				04/24/07	LFJ	EPA200.8
Arsenic, ug/l			< 10	< 10	< 10	04/25/07	CMF	EPA200.8
Barium, ug/l	260	< 100				04/24/07	LFJ	EPA200.8
Barium, ug/l			< 100	< 100	< 100	04/25/07	CMF	EPA200.8
Beryllium, ug/l	1	<1.0				04/24/07	LFJ	EPA200.8
Beryllium, ug/l			<1.0	<1.0	<1.0	04/25/07	CMF	EPA200.8
Cadmium, ug/l	<1.0	<1.0				04/24/07	LFJ	EPA200.8
Cadmium, ug/l			<1.0	<1.0	<1.0	04/25/07	CMF	EPA200.8
Cobalt, ug/l	< 10	< 10				04/24/07	LFJ	EPA200.8
Cobalt, ug/l			< 10	< 10	< 10	04/25/07	CMF	EPA200.8
Copper, ug/l	37	< 10				04/24/07	LFJ	EPA200.8
Copper, ug/l			< 10	< 10	< 10	04/25/07	CMF	EPA200.8
Total Chromium, ug/l	< 10	< 10				04/24/07	LFJ	EPA200.8
Total Chromium, ug/l			< 10	< 10	< 10	04/25/07	CMF	EPA200.8
Lead, ug/l	< 10	< 10				04/24/07	LFJ	EPA200.8
Lead, ug/l			< 10	< 10	< 10	04/25/07	CMF	EPA200.8
Nickel, ug/l	< 50	< 50				04/24/07	LFJ	EPA200.8
Nickel, ug/l			< 50	< 50	< 50	04/25/07	CMF	EPA200.8
Selenium, ug/l	< 10	< 10				04/24/07	LFJ	EPA200.8
Selenium, ug/l			< 10	< 10	< 10	04/25/07	CMF	EPA200.8
Silver, ug/l	< 10	< 10				04/24/07	LFJ	EPA200.8
Silver, ug/l			< 10	< 10	< 10	04/25/07	CMF	EPA200.8
Thallium, ug/l	<5.0	<5.0				04/24/07	LFJ	EPA200.8
Thallium, ug/l			<5.0	<5.0	<5.0	04/25/07	CMF	EPA200.8
Vanadium, ug/l	50	< 25				04/24/07	LFJ	EPA200.8
Vanadium, ug/l			< 25	< 25	< 25	04/25/07	CMF	EPA200.8
Zinc, ug/l	61	< 10				04/24/07	LFJ	EPA200.8
Zinc, ug/l			12	< 10	< 10	04/25/07	CMF	EPA200.8
Conductivity (at 25c), uMhos	152	148	132	145	192	04/18/07	RJH	SM2510B
Temperature, °C	15	16	16	16	13	04/18/07	RJH	SM2550B

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#: 6063

NORTH WAKE LINED LANDFILL
C\O MR. JOHN BOVE
HAZEN AND SAWYER
4011 WESTCHASE BLVD, SUITE 500
RALEIGH ,NC 27607

DATE COLLECTED: 04/18/07
DATE REPORTED : 05/03/07

REVIEWED BY:

PARAMETERS	MW-12	MW-12D	MW-13	MW-14	MW-15	Analysis Date	Analyst	Method Code
Static Water Level, feet	16.47	17.39	21.92	42.80	17.28	04/18/07	RJH	
Well Depth, feet	21.42	36.93	34.97	60.65	29.20	04/18/07	RJH	

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RALEIGH ,NC 27607

DATE COLLECTED: 04/18/07
DATE REPORTED : 05/03/07

REVIEWED BY:

PARAMETERS	MW-15D	MW-16	Equipment Blank	Trip Blank	Analysis Date	Analyst	Method Code
PH (field measurement), Units	6.0	6.0			04/18/07	RJH	SM4500HB
Antimony, ug/l	<6.0	<6.0			04/25/07	CMF	EPA200.8
Arsenic, ug/l	< 10	< 10			04/25/07	CMF	EPA200.8
Barium, ug/l	< 100	122			04/25/07	CMF	EPA200.8
Beryllium, ug/l	<1.0	<1.0			04/25/07	CMF	EPA200.8
Cadmium, ug/l	<1.0	<1.0			04/25/07	CMF	EPA200.8
Cobalt, ug/l	< 10	< 10			04/25/07	CMF	EPA200.8
Copper, ug/l	< 10	11			04/25/07	CMF	EPA200.8
Total Chromium, ug/l	< 10	< 10			04/25/07	CMF	EPA200.8
Lead, ug/l	< 10	< 10			04/25/07	CMF	EPA200.8
Nickel, ug/l	< 50	< 50			04/25/07	CMF	EPA200.8
Selenium, ug/l	< 10	< 10			04/25/07	CMF	EPA200.8
Silver, ug/l	< 10	< 10			04/25/07	CMF	EPA200.8
Thallium, ug/l	<5.0	<5.0			04/25/07	CMF	EPA200.8
Vanadium, ug/l	< 25	< 25			04/25/07	CMF	EPA200.8
Zinc, ug/l	< 10	29			04/25/07	CMF	EPA200.8
Conductivity (at 25c), uMhos	151	352			04/18/07	RJH	SM2510B
Temperature, °C	14	16			04/18/07	RJH	SM2550B
Static Water Level, feet	17.68	11.10			04/18/07	RJH	
Well Depth, feet	46.96	48.91			04/18/07	RJH	

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CLIENT: NORTH WAKE LINED LANDFILL
C\O MR. JOHN BOVE
HAZEN AND SAWYER
4011 WESTCHASE BLVD, SUITE 500
RALEIGH, NC 27607

CLIENT ID: 6063

ANALYST: MAO
DATE COLLECTED: 04/18/07
DATE ANALYZED: 04/30/07
DATE REPORTED: 05/03/07

Page: 1

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MW-12	MW-12D	MW-13	MW-14	MW-15
1. Chloromethane	<5.00	<5.00	<5.00	<5.00	<5.00
2. Vinyl Chloride	<5.00	<5.00	<5.00	<5.00	<5.00
3. Bromomethane	<10.00	<10.00	<10.00	<10.00	<10.00
4. Chloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
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	<5.00	<5.00	<5.00	<5.00	<5.00
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	<3.00	<3.00	<3.00	<3.00	<3.00
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	<5.00	<5.00	<5.00	<5.00	<5.00
20. Benzene	<3.00	<3.00	<3.00	<3.00	<3.00
21. 1,2-Dichloroethane	<3.00	<3.00	<3.00	<3.00	<3.00
22. Trichloroethene	<3.00	<3.00	<3.00	<3.00	<3.00
23. 1,2-Dichloropropane	<3.00	<3.00	<3.00	<3.00	<3.00
24. Bromodichloromethane	<3.00	<3.00	<3.00	<3.00	<3.00
25. Cis-1,3-Dichloropropene	<5.00	<5.00	<5.00	<5.00	<5.00
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	<5.00	<5.00	<5.00	<5.00	<5.00
29. 1,1,2-Trichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
30. Tetrachloroethene	<3.00	<3.00	<3.00	<3.00	<3.00
31. 2-Hexanone	<50.00	<50.00	<50.00	<50.00	<50.00
32. Dibromochloromethane	<3.00	<3.00	<3.00	<3.00	<3.00
33. 1,2-Dibromoethane	<3.00	<3.00	<3.00	<3.00	<3.00
34. Chlorobenzene	<3.00	<3.00	<3.00	<3.00	<3.00
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	<4.00	<4.00	<4.00	<4.00	<4.00
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	<3.00	<3.00	<3.00	<3.00	<3.00
41. 1,1,2,2-Tetrachloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
42. 1,2,3-Trichloropropane	<8.00	<8.00	<8.00	<8.00	<8.00
43. 1,4-Dichlorobenzene	<3.00	<3.00	<3.00	<3.00	<3.00
44. 1,2-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
45. 1,2-Dibromo-3-Chloropropane	<13.00	<13.00	<13.00	<13.00	<13.00
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: NORTH WAKE LINED LANDFILL
C\O MR. JOHN BOVE
HAZEN AND SAWYER
4011 WESTCHASE BLVD, SUITE 500
RALEIGH, NC 27607

CLIENT ID: 6063

ANALYST: MAO
DATE COLLECTED: 04/18/07
DATE ANALYZED: 04/30/07
DATE REPORTED: 05/03/07

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MW-15D	MW-16	Equipment Blank	Trip Blank
1. Chloromethane	<5.00	<5.00	<5.00	<5.00
2. Vinyl Chloride	<5.00	<5.00	<5.00	<5.00
3. Bromomethane	<10.00	<10.00	<10.00	<10.00
4. Chloroethane	<5.00	<5.00	<5.00	<5.00
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	<5.00	<5.00	<5.00	<5.00
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	<3.00	<3.00	<3.00	<3.00
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	<5.00	<5.00	<5.00	<5.00
20. Benzene	<3.00	<3.00	<3.00	<3.00
21. 1,2-Dichloroethane	<3.00	<3.00	<3.00	<3.00
22. Trichloroethene	<3.00	<3.00	<3.00	<3.00
23. 1,2-Dichloropropane	<3.00	<3.00	<3.00	<3.00
24. Bromodichloromethane	<3.00	<3.00	<3.00	<3.00
25. Cis-1,3-Dichloropropene	<5.00	<5.00	<5.00	<5.00
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	<5.00	<5.00	<5.00	<5.00
29. 1,1,2-Trichloroethane	<5.00	<5.00	<5.00	<5.00
30. Tetrachloroethene	<3.00	<3.00	<3.00	<3.00
31. 2-Hexanone	<50.00	<50.00	<50.00	<50.00
32. Dibromochloromethane	<3.00	<3.00	<3.00	<3.00
33. 1,2-Dibromoethane	<3.00	<3.00	<3.00	<3.00
34. Chlorobenzene	<3.00	<3.00	<3.00	<3.00
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	<4.00	<4.00	<4.00	<4.00
38. Dibromomethane	<10.00	<10.00	<10.00	<10.00
39. Styrene	<10.00	<10.00	<10.00	<10.00
40. Bromoform	<3.00	<3.00	<3.00	<3.00
41. 1,1,2,2-Tetrachloroethane	<5.00	<5.00	<5.00	<5.00
42. 1,2,3-Trichloropropane	<8.00	<8.00	<8.00	<8.00
43. 1,4-Dichlorobenzene	<3.00	<3.00	<3.00	<3.00
44. 1,2-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00
45. 1,2-Dibromo-3-Chloropropane	<13.00	<13.00	<13.00	<13.00
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, Inc.
P.O. Box 7085, 114 Oakmont Dr.
Greenville, NC 27858

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

CHAIN OF CUSTODY RECORD

CLIENT: 6063 **Week: 16**

NORTH WAKE LINED LANDFILL
C\O MR. JOHN BOVE
HAZEN AND SAWYER
4011 WESTCHASE BLVD, SUITE 500
RALEIGH NC 27607

(919) 833-7152

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

CHLORINE NEUTRALIZED AT COLLECTION

pH CHECK (LAB): 12 12

CONTAINER TYPE, P/G: P P P P G G

CHEMICAL PRESERVATION: A B A A E E

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

SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Field pH	Metals	Conductivity	Temperature	Field Parameter	EPA 8260B	8260 Dup. 1
MW-12	04 1807	1155		15	4	G	G	G	G	G	G	G
MW-12D	04 1807	1150		16	4	G	G	G	G	G	G	G
MW-13	04 1807	1145		16	4	G	G	G	G	G	G	G
MW-14	04 1807	1140		16	4	G	G	G	G	G	G	G
MW-15	04 1807	1230		13	4	G	G	G	G	G	G	G
MW-15D	04 1807	1225		14	4	G	G	G	G	G	G	G
MW-16	04 1807	1130		16	4	G	G	G	G	G	G	G
Equipment Blank	04 1807				2						G	G
Trip Blank					2							

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

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY: Y N

SAMPLES COLLECTED BY: (Please Print) N Hope / Fox

SAMPLES RECEIVED IN LAB AT 6.0 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob N Hope	04 1807 3:23	Arthur [illegible]	4/18/07 3:23
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.

№ 144475

FORM #5

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#: 6063 A

NORTH WAKE LINED LANDFILL
C\O MR. JOHN BOVE
HAZEN AND SAWYER
4011 WESTCHASE BLVD, SUITE 500
RALEIGH ,NC 27607

DATE COLLECTED: 04/18/07
DATE REPORTED : 05/03/07

REVIEWED BY:

PARAMETERS	MW-17	MW-17D	MW-18	MW-19	MW-20	Analysis Date	Analyst	Method Code
PH (field measurement), Units	5.7	6.0	5.6	5.9	5.9	04/18/07	RJH	SM4500HB
Antimony, ug/l	<6.0	<6.0	<6.0	<6.0	<6.0	04/25/07	CMF	EPA200.8
Arsenic, ug/l	< 10	< 10	< 10	< 10	< 10	04/25/07	CMF	EPA200.8
Barium, ug/l	< 100	< 100	106	< 100	< 100	04/25/07	CMF	EPA200.8
Beryllium, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	04/25/07	CMF	EPA200.8
Cadmium, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	04/25/07	CMF	EPA200.8
Cobalt, ug/l	< 10	< 10	< 10	< 10	< 10	04/25/07	CMF	EPA200.8
Copper, ug/l	< 10	< 10	26	< 10	19	04/25/07	CMF	EPA200.8
Total Chromium, ug/l	< 10	21	< 10	< 10	< 10	04/25/07	CMF	EPA200.8
Lead, ug/l	< 10	< 10	< 10	< 10	< 10	04/25/07	CMF	EPA200.8
Nickel, ug/l	< 50	< 50	< 50	< 50	< 50	04/25/07	CMF	EPA200.8
Selenium, ug/l	< 10	< 10	< 10	< 10	< 10	04/25/07	CMF	EPA200.8
Silver, ug/l	< 10	< 10	< 10	< 10	< 10	04/25/07	CMF	EPA200.8
Thallium, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	04/25/07	CMF	EPA200.8
Vanadium, ug/l	< 25	< 25	25	< 25	< 25	04/25/07	CMF	EPA200.8
Zinc, ug/l	< 10	< 10	43	< 10	15	04/25/07	CMF	EPA200.8
Conductivity (at 25c), uMhos	121	153	123	132	225	04/18/07	RJH	SM2510B
Temperature, °C	15	15	15	15	17	04/18/07	RJH	SM2550B
Static Water Level, feet	31.25	31.81	18.76	36.82	29.60	04/18/07	RJH	
Well Depth, feet	46.65	72.13	27.03	52.32	36.41	04/18/07	RJH	

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#: 6063 A

NORTH WAKE LINED LANDFILL
C\O MR. JOHN BOVE
HAZEN AND SAWYER
4011 WESTCHASE BLVD, SUITE 500
RALEIGH ,NC 27607

DATE COLLECTED: 04/18/07
DATE REPORTED : 05/03/07

REVIEWED BY:

PARAMETERS	MW-21	MW-25	MW-25D	MW-26	Analysis Date	Analyst	Method Code
PH (field measurement), Units	5.8	5.8	5.9	6.2	04/18/07	RJH	SM4500HB
Antimony, ug/l	<6.0	<6.0	<6.0	<6.0	04/25/07	CMF	EPA200.8
Arsenic, ug/l	< 10	< 10	< 10	< 10	04/25/07	CMF	EPA200.8
Barium, ug/l	< 100	< 100	< 100	387	04/25/07	CMF	EPA200.8
Beryllium, ug/l	<1.0	<1.0	<1.0	1	04/25/07	CMF	EPA200.8
Cadmium, ug/l	<1.0	<1.0	<1.0	2	04/25/07	CMF	EPA200.8
Cobalt, ug/l	< 10	< 10	< 10	26	04/25/07	CMF	EPA200.8
Copper, ug/l	< 10	< 10	< 10	356	04/25/07	CMF	EPA200.8
Total Chromium, ug/l	< 10	< 10	< 10	16	04/25/07	CMF	EPA200.8
Lead, ug/l	< 10	< 10	< 10	< 10	04/25/07	CMF	EPA200.8
Nickel, ug/l	< 50	< 50	< 50	< 50	04/25/07	CMF	EPA200.8
Selenium, ug/l	< 10	< 10	< 10	< 10	04/25/07	CMF	EPA200.8
Silver, ug/l	< 10	< 10	< 10	< 10	04/25/07	CMF	EPA200.8
Thallium, ug/l	<5.0	<5.0	<5.0	<5.0	04/25/07	CMF	EPA200.8
Vanadium, ug/l	< 25	< 25	< 25	59	04/25/07	CMF	EPA200.8
Zinc, ug/l	< 10	10	< 10	165	04/25/07	CMF	EPA200.8
Conductivity (at 25c), uMhos	110	142	121	170	04/18/07	RJH	SM2510B
Temperature, °C	16	12	13	13	04/18/07	RJH	SM2550B
Static Water Level, feet	31.00	7.65	7.83	8.65	04/18/07	RJH	
Well Depth, feet	38.47	25.18	47.57	23.81	04/18/07	RJH	

Environment 1, Incorporated

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

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

CLIENT: NORTH WAKE LINED LANDFILL
C\O MR. JOHN BOVE
HAZEN AND SAWYER
4011 WESTCHASE BLVD, SUITE 500
RALEIGH, NC 27607

CLIENT ID: 6063 A

ANALYST: MAO
DATE COLLECTED: 04/18/07
DATE ANALYZED: 04/30/07
DATE REPORTED: 05/03/07

REVIEWED BY: _____

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MW-17	MW-17D	MW-18	MW-19	MW-20
1. Chloromethane	<5.00	<5.00	<5.00	<5.00	<5.00
2. Vinyl Chloride	<5.00	<5.00	<5.00	<5.00	<5.00
3. Bromomethane	<10.00	<10.00	<10.00	<10.00	<10.00
4. Chloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
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	<5.00	<5.00	<5.00	<5.00	<5.00
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	<3.00	<3.00	<3.00	<3.00	<3.00
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	<5.00	<5.00	<5.00	<5.00	<5.00
20. Benzene	<3.00	<3.00	<3.00	<3.00	<3.00
21. 1,2-Dichloroethane	<3.00	<3.00	<3.00	<3.00	<3.00
22. Trichloroethene	<3.00	<3.00	<3.00	<3.00	<3.00
23. 1,2-Dichloropropane	<3.00	<3.00	<3.00	<3.00	<3.00
24. Bromodichloromethane	<3.00	<3.00	<3.00	<3.00	<3.00
25. Cis-1,3-Dichloropropene	<5.00	<5.00	<5.00	<5.00	<5.00
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	<5.00	<5.00	<5.00	<5.00	<5.00
29. 1,1,2-Trichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
30. Tetrachloroethene	<3.00	<3.00	<3.00	<3.00	<3.00
31. 2-Hexanone	<50.00	<50.00	<50.00	<50.00	<50.00
32. Dibromochloromethane	<3.00	<3.00	<3.00	<3.00	<3.00
33. 1,2-Dibromoethane	<3.00	<3.00	<3.00	<3.00	<3.00
34. Chlorobenzene	<3.00	<3.00	<3.00	<3.00	<3.00
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	<4.00	<4.00	<4.00	<4.00	<4.00
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	<3.00	<3.00	<3.00	<3.00	<3.00
41. 1,1,2,2-Tetrachloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
42. 1,2,3-Trichloropropane	<8.00	<8.00	<8.00	<8.00	<8.00
43. 1,4-Dichlorobenzene	<3.00	<3.00	<3.00	<3.00	<3.00
44. 1,2-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
45. 1,2-Dibromo-3-Chloropropane	<13.00	<13.00	<13.00	<13.00	<13.00
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: NORTH WAKE LINED LANDFILL
C\O MR. JOHN BOVE
HAZEN AND SAWYER
4011 WESTCHASE BLVD, SUITE 500
RALEIGH, NC 27607

CLIENT ID: 6063 A

ANALYST: MAO
DATE COLLECTED: 04/18/07
DATE ANALYZED: 04/30/07
DATE REPORTED: 05/03/07

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MW-21	MW-25	MW-25D	MW-26
1. Chloromethane	<5.00	<5.00	<5.00	<5.00
2. Vinyl Chloride	<5.00	<5.00	<5.00	<5.00
3. Bromomethane	<10.00	<10.00	<10.00	<10.00
4. Chloroethane	<5.00	<5.00	<5.00	<5.00
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	<5.00	<5.00	<5.00	<5.00
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	<3.00	<3.00	<3.00	<3.00
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	<5.00	<5.00	<5.00	<5.00
20. Benzene	<3.00	<3.00	<3.00	<3.00
21. 1,2-Dichloroethane	<3.00	<3.00	<3.00	<3.00
22. Trichloroethene	<3.00	<3.00	<3.00	<3.00
23. 1,2-Dichloropropane	<3.00	<3.00	<3.00	<3.00
24. Bromodichloromethane	<3.00	<3.00	<3.00	<3.00
25. Cis-1,3-Dichloropropene	<5.00	<5.00	<5.00	<5.00
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	<5.00	<5.00	<5.00	<5.00
29. 1,1,2-Trichloroethane	<5.00	<5.00	<5.00	<5.00
30. Tetrachloroethene	<3.00	<3.00	<3.00	<3.00
31. 2-Hexanone	<50.00	<50.00	<50.00	<50.00
32. Dibromochloromethane	<3.00	<3.00	<3.00	<3.00
33. 1,2-Dibromoethane	<3.00	<3.00	<3.00	<3.00
34. Chlorobenzene	<3.00	<3.00	<3.00	<3.00
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	<4.00	<4.00	<4.00	<4.00
38. Dibromomethane	<10.00	<10.00	<10.00	<10.00
39. Styrene	<10.00	<10.00	<10.00	<10.00
40. Bromoform	<3.00	<3.00	<3.00	<3.00
41. 1,1,2,2-Tetrachloroethane	<5.00	<5.00	<5.00	<5.00
42. 1,2,3-Trichloropropane	<8.00	<8.00	<8.00	<8.00
43. 1,4-Dichlorobenzene	<3.00	<3.00	<3.00	<3.00
44. 1,2-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00
45. 1,2-Dibromo-3-Chloropropane	<13.00	<13.00	<13.00	<13.00
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, Inc.
P.O. Box 7085 114 Oakmont Dr.
Greenville, NC 27858

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

CHAIN OF CUSTODY RECORD

CLIENT: 6063 A **Week: 16**

NORTH WAKE LINED LANDFILL
C\O MR. JOHN BOVE
HAZEN AND SAWYER
4011 WESTCHASE BLVD, SUITE 500
RALEIGH NC 27607

(919) 833-7152

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

CHLORINE NEUTRALIZED AT COLLECTION

pH CHECK (LAB): 6, 12, 12, 12

CONTAINER TYPE, P/G: P P P P G G G

CHEMICAL PRESERVATION: A B A A E E E

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

SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Field pH	Metals	Conductivity	Temperature	Field Parameter	EPA 8260B	8260 Dup. 1	8260 Dup. 2
MW-17	04 18 07	1125		15	5	G	G	G	G	G	G	G	G
MW-17D	04 18 07	1120		15	4	G	G	G	G	G	G	G	
MW-18	04 18 07	1115		15	4	G	G	G	G	G	G	G	
MW-19	04 18 07	1155		15	4	G	G	G	G	G	G	G	
MW-20	04 18 07	1200		17	4	G	G	G	G	G	G	G	
MW-21	04 18 07	1210		16	4	G	G	G	G	G	G	G	
MW-25	04 18 07	1220		12	4	G	G	G	G	G	G	G	
MW-25D	04 18 07	1215		13	5	G	G	G	G	G	G	G	G
MW-26	04 18 07	0830		13	4	G	G	G	G	G	G	G	

PARAMETERS

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) H Bove / FOT

SAMPLES RECEIVED IN LAB AT 6.2 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob H Bove	04 18 07 3:23	Arnetta Hall	4/18/07 3:23
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.

№ 144474

FORM #5

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#: 6063 B

NORTH WAKE LINED LANDFILL
C\O MR. JOHN BOVE
HAZEN AND SAWYER
4011 WESTCHASE BLVD, SUITE 500
RALEIGH ,NC 27607

DATE COLLECTED: 04/18/07
DATE REPORTED : 05/03/07

REVIEWED BY:

PARAMETERS	SW-4	SW-5	SW-6	Analysis Date	Analyst	Method Code
PH (field measurement), Units	5.9	Missing	6.4	04/18/07	RJH	SM4500HB
Antimony, ug/l	<6.0	Missing	<6.0	04/26/07	LFJ	EPA200.8
Arsenic, ug/l	< 10	Missing	< 10	04/26/07	LFJ	EPA200.8
Barium, ug/l	< 100	Missing	< 100	04/26/07	LFJ	EPA200.8
Beryllium, ug/l	<1.0	Missing	<1.0	04/26/07	LFJ	EPA200.8
Cadmium, ug/l	<1.0	Missing	<1.0	04/26/07	LFJ	EPA200.8
Cobalt, ug/l	< 10	Missing	< 10	04/26/07	LFJ	EPA200.8
Copper, ug/l	< 10	Missing	< 10	04/26/07	LFJ	EPA200.8
Total Chromium, ug/l	< 10	Missing	< 10	04/26/07	LFJ	EPA200.8
Lead, ug/l	< 10	Missing	< 10	04/26/07	LFJ	EPA200.8
Nickel, ug/l	< 50	Missing	< 50	04/26/07	LFJ	EPA200.8
Selenium, ug/l	< 10	Missing	< 10	04/26/07	LFJ	EPA200.8
Silver, ug/l	< 10	Missing	< 10	04/26/07	LFJ	EPA200.8
Thallium, ug/l	<5.0	Missing	<5.0	04/26/07	LFJ	EPA200.8
Vanadium, ug/l	< 25	Missing	< 25	04/26/07	LFJ	EPA200.8
Zinc, ug/l	25	Missing	< 10	04/26/07	LFJ	EPA200.8
Conductivity (at 25c), uMhos	170	Missing	96	04/18/07	RJH	SM2510B
Temperature, °C	19	Missing	12	04/18/07	RJH	SM2550B
8260 (Duplicate)		Missing		/ /		

Environment 1, Incorporated

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

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

CLIENT: NORTH WAKE LINED LANDFILL
C\O MR. JOHN BOVE
HAZEN AND SAWYER
4011 WESTCHASE BLVD, SUITE 500
RALEIGH, NC 27607

CLIENT ID: 6063 B

ANALYST: MAO
DATE COLLECTED: 04/18/07
DATE ANALYZED: 05/01/07
DATE REPORTED: 05/03/07

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	SW-4	SW-6
1. Chloromethane	<5.00	<5.00
2. Vinyl Chloride	<5.00	<5.00
3. Bromomethane	<10.00	<10.00
4. Chloroethane	<5.00	<5.00
5. Trichlorofluoromethane	<5.00	<5.00
6. 1,1-Dichloroethene	<5.00	<5.00
7. Acetone	<100.00	<100.00
8. Iodomethane	<10.00	<10.00
9. Carbon Disulfide	<100.00	<100.00
10. Methylene Chloride	<5.00	<5.00
11. trans-1,2-Dichloroethene	<5.00	<5.00
12. 1,1-Dichloroethane	<5.00	<5.00
13. Vinyl Acetate	<50.00	<50.00
14. Cis-1,2-Dichloroethene	<5.00	<5.00
15. 2-Butanone	<100.00	<100.00
16. Bromochloromethane	<3.00	<3.00
17. Chloroform	<5.00	<5.00
18. 1,1,1-Trichloroethane	<5.00	<5.00
19. Carbon Tetrachloride	<5.00	<5.00
20. Benzene	<3.00	<3.00
21. 1,2-Dichloroethane	<3.00	<3.00
22. Trichloroethene	<3.00	<3.00
23. 1,2-Dichloropropane	<3.00	<3.00
24. Bromodichloromethane	<3.00	<3.00
25. Cis-1,3-Dichloropropene	<5.00	<5.00
26. 4-Methyl-2-Pentanone	<100.00	<100.00
27. Toluene	<5.00	<5.00
28. trans-1,3-Dichloropropene	<5.00	<5.00
29. 1,1,2-Trichloroethane	<5.00	<5.00
30. Tetrachloroethene	<3.00	<3.00
31. 2-Hexanone	<50.00	<50.00
32. Dibromochloromethane	<3.00	<3.00
33. 1,2-Dibromoethane	<3.00	<3.00
34. Chlorobenzene	<3.00	<3.00
35. 1,1,1,2-Tetrachloroethane	<5.00	<5.00
36. Ethylbenzene	<5.00	<5.00
37. Xylenes	<4.00	<4.00
38. Dibromomethane	<10.00	<10.00
39. Styrene	<10.00	<10.00
40. Bromoform	<3.00	<3.00
41. 1,1,2,2-Tetrachloroethane	<5.00	<5.00
42. 1,2,3-Trichloropropane	<8.00	<8.00
43. 1,4-Dichlorobenzene	<3.00	<3.00
44. 1,2-Dichlorobenzene	<5.00	<5.00
45. 1,2-Dibromo-3-Chloropropane	<13.00	<13.00
46. Acrylonitrile	<200.00	<200.00
47. trans-1,4-Dichloro-2-Butene	<100.00	<100.00

Environmental, Inc.
P.O. Box 7085 • 114 Oakmont Dr.
Greenville, NC 27858
Phone (252) 756-6208 • Fax (252) 756-0633

CHAIN OF CUSTODY RECORD

CLIENT: 6063 B Week: 16

NORTH WAKE LINED LANDFILL
C\O MR. JOHN BOVE
HAZEN AND SAWYER
4011 WESTCHASE BLVD, SUITE 500
RALEIGH NC 27607

(919) 833-7152

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	Conductivity	Temperature	EPA 8260B	8260 Dup. 1	8260 Dup. 2
CHLORINE NEUTRALIZED AT COLLECTION												
pH CHECK (LAB)							Ld			L2	L2	L2
CONTAINER TYPE, P/G						P	P	P	P	G	G	G
CHEMICAL PRESERVATION (PARAMETERS)						A	B	A	A	E	E	E
SW-4	04/18/07	0855		19	4	G	G	G	G	G	G	
~~SW-5~~	~~04/18/07~~				4							
SW-6	04/18/07	0925		12	5	G	G	G	G	G	G	G

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

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

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

SAMPLES COLLECTED BY: (Please Print) N Lope / Fat

SAMPLES RECEIVED IN LAB AT 6.0 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob Hope	04/18/07 3:23	Anthony Lam	4/18/07 3:23
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS: SW5 DRY

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.

№ 144473

FORM #5