HAZEN AND SAWYER
Environmental Engineers & Scientists

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July 12, 2007

Mr. Dan J. LaMontagne, P.E.
Facilities & Operations Manager
Post Office Box 550
Raleigh, NC 27602

Re: Wake County North Wake Unlined 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 Unlined Landfill conducted on **April 19, 2007**. For this, the first of the 2007 sampling events, a total of 28 groundwater monitoring wells was sampled and tested for **Appendix I** constituents plus detected Appendix II constituents as required for facilities in Assessment Monitoring.

As you are aware, MW-27, located north east of the landfill in the City of Raleigh sewer easement was damaged and not sampled. This well will be abandoned once a location for a suitable replacement well is established. The County is currently working with a private landowner to establish a location for the replacement well. Once established, the well location will be submitted to the NCDENR Solid Waste section for approval.

In addition to the monitoring wells, two surface water monitoring points were sampled and tested. The following monitoring wells and surface water monitoring locations were sampled on April 19, 2007 and subsequently tested in the laboratory by Environment 1, Incorporated as a sub-consultant to Hazen and Sawyer:

MW-5, MW-6, MW-6D, MW-7, MW-8, MW-8D,
MW-9, MW-10, MW-10D, MW-11, MW-11D
MW-22, MW-23, MW-23D, MW-24, MW-28,
MW-28D, MW-29D, MW-30, MW-31, MW-31D,
MW-32, TB-1A, TB-1AD, MW-33, MW-34,
MW-34D, MW-35,
SW-2, and SW-3,

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 I and/or Appendix II analyses in accordance with the Assessment Monitoring Plan.

The following seven wells were also tested for Natural Attenuation parameters (in addition to the Appendix I constituents) outside of the prescribed Assessment Monitoring testing program:

MW-5, MW-6, MW-8, MW-9, MW-10,
MW-24, and TB-1A

Locations for each of these wells are provided on the attached "Unlined MSW Landfill Monitoring Well Location Plan," Drawing GW-1, 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 19, 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 2006 site and well survey data provided by TWT. Historic groundwater elevations for each well are presented in Table 1. These elevations are based upon the 2005 TWT survey data. 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 presented in Table 3.

Summary of Groundwater and Surface Water Testing

All of the groundwater monitoring wells were analyzed for Appendix I plus detected Appendix II constituents. A summary of the detected parameters is provided below. Parameters listed below represent constituents that were above laboratory detection limits. Concentrations

that exceed State Groundwater Protection (GWP) Standards (15A NCAC 02L.0202) are highlighted.

Summaries of all laboratory results for Metals and for Volatile Organic Compounds (VOC's) are provided on Tables 4a and 4b, respectively. Since no Appendix II Semi-Volatile Compounds were detected in the November 2006 sampling event, none were tested during this first sampling event of 2007. Appendix II Pesticides/Herbicides and PCB's detected in the November 2006 sampling event were again tested during the April 19, 2007 event. These results are shown on Table 5c. 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-5

Metals:	Barium, Cobalt
Volatile Organic Compounds:	Cis-1,2-Dichloroethene, 1,4-Dichlorobenzene, 1,1-Dichloroethane
Semi-Volatile Compounds:	None Detected
Pesticides/Herbicides/PCBs:	None Detected

MW-6

Metals:	Barium, Cobalt, Zinc
Volatile Organic Compounds:	None Detected
Semi-Volatile Compounds:	None Detected
Pesticides/Herbicides/PCBs:	None Detected

MW-6D

Metals:	Zinc
Volatile Organic Compounds:	None Detected
Semi-Volatile Compounds:	None Detected
Pesticides/Herbicides/PCBs:	None Detected

MW-7

Metals:	Cobalt, Zinc
Volatile Organic Compounds:	Cis-1,2-Dichloroethene, Vinyl Chloride
Semi-Volatile Compounds:	None Detected
Pesticides/Herbicides/PCBs:	None Detected

MW-8

Metals:	None Detected
Volatile Organic Compounds:	Cis-1,2-Dichloroethene
Semi-Volatile Compounds:	None Detected
Pesticides/Herbicides/PCBs:	None Detected

MW-8D

Metals:	None Detected
Volatile Organic Compounds:	None Detected
Semi-Volatile Compounds:	None Detected
Pesticides/Herbicides/PCBs:	None Detected

MW-9

Metals:	Barium, Beryllium (at Groundwater Protection Standard), Cadmium, Chromium, Copper, Lead, Zinc
Volatile Organic Compounds:	Benzene, 1,1-Dichloroethane, 1,4-Dichlorobenzene, Vinyl Chloride
Semi-Volatile Compounds:	None Detected
Pesticides/Herbicides/PCBs:	None Detected

MW-10

Metals:	Mercury
Volatile Organic Compounds:	Cis-1,2-Dichloroethene, 1,1-Dichloroethane, Bis-(2-Ethylhexyl) Phthalate
Semi-Volatile Compounds:	None Detected
Pesticides/Herbicides/PCBs:	None Detected

MW-10D

Metals:	None Detected
Volatile Organic Compounds:	Bis-(2-Ethylhexyl) Phthalate
Semi-Volatile Compounds:	None Detected
Pesticides/Herbicides/PCBs:	None Detected

MW-11 (Background)

Metals:	Zinc
Volatile Organic Compounds:	None Detected
Semi-Volatile Compounds:	None Detected
Pesticides/Herbicides/PCBs:	None Detected

MW-11D (Background, Deep)

Metals:	None Detected
Volatile Organic Compounds:	Bis-(2-Ethylhexyl) Phthalate
Semi-Volatile Compounds:	None Detected
Pesticides/Herbicides/PCBs:	None Detected

MW-22

Metals:	Cadmium, Zinc
Volatile Organic Compounds:	None Detected
Semi-Volatile Compounds:	None Detected
Pesticides/Herbicides/PCBs:	None Detected

MW-23

Metals:	Barium, Beryllium (at Groundwater Protection Standard), Chromium, Copper, Lead, Vanadium, Zinc
Volatile Organic Compounds:	None Detected
Semi-Volatile Compounds:	None Detected
Pesticides/Herbicides/PCBs:	None Detected

MW-23D

Metals:	None Detected
Volatile Organic Compounds:	None Detected
Semi-Volatile Compounds:	None Detected
Pesticides/Herbicides/PCBs:	None Detected

MW-24

Metals:	Beryllium, Lead, Mercury, Zinc
Volatile Organic Compounds:	Chloroform
Semi-Volatile Compounds:	None Detected
Pesticides/Herbicides/PCBs:	None Detected

MW-32

Metals:	Copper, Zinc
Volatile Organic Compounds:	None Detected
Semi-Volatile Compounds:	None Detected
Pesticides/Herbicides/PCBs:	None Detected

TB-1A

Metals:	Barium, Cadmium, Chromium, Copper, Mercury, Vanadium, Zinc
Volatile Organic Compounds:	Chloroform
Semi-Volatile Compounds:	None Detected
Pesticides/Herbicides/PCBs:	None Detected

TB-1AD

Metals:	None Detected
Volatile Organic Compounds:	Chloroform
Semi-Volatile Compounds:	None Detected
Pesticides/Herbicides/PCBs:	None Detected

MW-29D

Metals:	Copper, Zinc
Volatile Organic Compounds:	Bis-(2-Ethylhexyl) Phthalate
Semi-Volatile Compounds:	None Detected
Pesticides/Herbicides/PCBs:	None Detected

MW-30

Metals:	Barium, Beryllium, Chromium, Copper, Lead, Vanadium, Zinc
Volatile Organic Compounds:	None Detected
Semi-Volatile Compounds:	None Detected
Pesticides/Herbicides/PCBs:	None Detected

MW-31

Metals:	None Detected
Volatile Organic Compounds:	Chloroform
Semi-Volatile Compounds:	None Detected
Pesticides/Herbicides/PCBs:	None Detected

MW-31D

Metals:	Zinc
Volatile Organic Compounds:	Bis-(2-Ethylhexyl) Phthalate, Chloroform
Semi-Volatile Compounds:	None Detected
Pesticides/Herbicides/PCBs:	None Detected

MW-27

Metals:	Not Tested
Volatile Organic Compounds:	Not Tested
Semi-Volatile Compounds:	Not Tested
Pesticides/Herbicides/PCBs:	Not Tested

MW-28

Metals:	Chromium, Zinc
Volatile Organic Compounds:	None Detected
Semi-Volatile Compounds:	None Detected
Pesticides/Herbicides/PCBs:	None Detected

MW-28D

Metals:	Zinc
Volatile Organic Compounds:	None Detected
Semi-Volatile Compounds:	None Detected
Pesticides/Herbicides/PCBs:	None Detected

MW-33

Metals:	Chromium, Copper, Vanadium, Zinc
Volatile Organic Compounds:	None Detected
Semi-Volatile Compounds:	None Detected
Pesticides/Herbicides/PCBs:	None Detected

MW-34

Metals:	Zinc
Volatile Organic Compounds:	Cis-1,2-Dichloroethene, 1,1-Dichloroethane
Semi-Volatile Compounds:	None Detected
Pesticides/Herbicides/PCBs:	None Detected

MW-34D

Metals:	None Detected
Volatile Organic Compounds:	Bis-(2-Ethylhexyl) Phthalate, 1,1-Dichloroethane
Semi-Volatile Compounds:	None Detected
Pesticides/Herbicides/PCBs:	None Detected

MW-35

Metals:	Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Vanadium, Zinc
Volatile Organic Compounds:	None Detected
Semi-Volatile Compounds:	None Detected
Pesticides/Herbicides/PCBs:	None Detected

Surface Water SW-2

Metals:	None Detected
Volatile Organic Compounds:	None Detected
Semi-Volatile Compounds:	Not Tested
Pesticides/Herbicides/PCBs:	Not Tested

Surface Water SW-3

Metals:	None Detected
Volatile Organic Compounds:	None Detected
Semi-Volatile Compounds:	Not Tested
Pesticides/Herbicides/PCBs:	Not Tested

Trip Blanks

Metals:	Not Tested
Volatile Organic Compounds:	None Detected
Semi-Volatile Compounds:	Not Tested
Pesticides/Herbicides/PCBs:	Not Tested

Equipment Blanks

Metals:	Not Tested
Volatile Organic Compounds:	None Detected
Semi-Volatile Compounds:	Not Tested
Pesticides/Herbicides/PCBs:	Not Tested

Data Analyses and Trends

The groundwater levels are comparable to the levels recorded in April 2006 and are generally lower than average.

Lower groundwater levels may produce an apparent increase in constituent concentrations in groundwater, especially for VOC's and metals at North Wake. This may affect any apparent reduction in some volatile organic compounds due to natural attenuation. Impacts from metals seem to have increased when compared to previous reporting events, especially in MW-30.

1. Metals

Concentrations in excess of the State Groundwater Protection (GWP) Standards were recorded for *Cobalt* in four monitoring wells (MW-5, 6, 7, and 35). Exceedances for Cobalt have occurred in all these wells on previous occasions. Concentrations in excess of the State Groundwater Quality Standards were recorded for *Cadmium* in monitoring wells MW-22 and TB-1A. This constituent has been detected at similar concentrations in both of these wells.

Concentrations in excess of the GWP Standards were recorded for *Beryllium* in monitoring wells MW-30 and 35. This constituent has been detected previously in well MW-35 at a similar concentration but has never been detected in well MW-30.

Concentrations in excess of the GWP Standards were recorded for *Lead* in four monitoring wells (MW-9, 23, 30, and 35). Exceedances have been recorded in the past for wells MW-9, -23, and -35 but never for monitoring well MW-30. Concentrations in excess of the State Groundwater Quality Standards were recorded for *Vanadium* in five monitoring wells (MW-23, 30, 33, 35, and TB-1A). *Vanadium* has been recorded in the past for monitoring wells MW-30, -33, and -35 and at higher concentrations for the first two. *Vanadium* has never having been recorded in well TB-1A and only once for well MW-23.

Mercury was recorded in excess of the GWP Standards in monitoring well TB-1A at a similar concentration as was found during the November 2006 sampling event. Also, *Zinc* was found to be in excess of the State Groundwater Quality Standards in well MW-33. This constituent has been detected previously in this well but never above the standard.

2. Volatile Organic Compounds

Concentrations in excess of the State Groundwater Protection (GWP) Standards were recorded for *Vinyl Chloride* in wells MW-7 and -9. *Vinyl Chloride* has been recorded at similar concentrations in well MW-9 in past sampling events but has never for well MW-7.

1,4-Dichlorobenzene was found in excess of GWP Standards in wells MW-5 and -9 at similar concentrations to past sampling events as was *Benzene* in monitoring well MW-9.

3. Semi Volatile Compounds

A complete Appendix II parameter list was tested for the November 2006 sampling event. No semi-volatile compounds were detected; therefore, no Appendix II semi-volatile compounds were tested during the Spring 2007 sampling event.

4. Pesticides/Herbicides/PCB's

All of the Appendix II pesticides/herbicides/PCB's detected in the November 2006 sampling event were tested during the Spring 2007 sampling event. No Pesticides/insecticides were detected during this sampling event. A summary of test data is provided on Table 5c.

Groundwater Flow Rate and Direction

Groundwater depths were recorded during sampling at each well. Using the 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 November 9, 2006", Drawing GW-3. Groundwater elevation data were used to form a series of contours illustrating groundwater elevations and flow directions on Drawing GW-3.

Groundwater in the landfill area flows generally to the east, 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 for the April 19, 2007 data. Average flow velocity and flow direction in the vicinity of each well was computed using the hydraulic gradient at each well as well as 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 2.

Statistical Analyses

Statistical analyses were performed using available data for all the groundwater monitoring wells that were sampled and for all of the Appendix I and Appendix II chemical constituents tested in the lab. Field-measured parameters were not statistically analyzed, including conductivity, pH, temperature, static water level, and well depth. Available data from

1994 up to this April 2007 sampling event were used in these analyses. Non-detects were replaced with a value equal to the detection limit for each constituent for the purposes of the statistical analysis.

A one-way parametric analysis of variance (ANOVA) was performed for each constituent to estimate and contrast each compliance well's mean level with the background well(s) mean level. The ANOVA was performed using the ChemStat® environmental data statistical analysis package, provided by Starpoint Software, Inc. Tables 6a, 6b, and 6c show constituents that are statistically significant for a specific well according to the statistical analysis of data for the period between 1994 and April 2007 for metals, organics, and pesticides/herbicides, respectively.

The detailed results of the ANOVA analyses are maintained in the project files. This test does not compare detections in a given well over time but solely with respect to the background wells. A comparison between statistical analyses from November 2006 (conducted with data from 1994 to November 2006) and April 2007 (conducted with data from 1994 to April 2007) shows a few additional constituents that are statistically significant and that were not indicated as such in November 2006. A complete list of constituents that are statistically significant for both statistical analyses is shown on Tables 6a through 6c.

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 provided as an enclosure to the North Wake Lined Landfill April 2007 Semi-Annual Sampling Report provided under separate cover. The data CD provides raw laboratory data for this sampling event. A copy of the report, including all of the tables, in Portable Document Format (PDF) is also included on the CD. One copy of this report are 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
Assistant Engineer

John A. Bove, PE
Associate

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 Unlined Landfill	9004 Deponie Drive Raleigh, NC 27615	92-09	.0500	April 19-20, 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
7/12/07 — Date

Affix NC Licensed/ Professional Geologist/Engineer Seal here:

NORTH CAROLINA PROFESSIONAL SEAL 19391 ENGINEER JOHN A. BOVE

Revised 01/2007

Facility Name: North Wake Unlined Landfill
Monitoring Event Date: 04/19/2007 - 04/20/2007

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
92-09	MW-5	7440-39-3	15	Barium	125	ug/L		1	04/19/2007		04/26/2007
92-09	MW-5	7440-48-4	53	Cobalt	16	ug/L		1	04/19/2007		04/26/2007
92-09	MW-5	106-46-7	71	1,4-Dichlorobenzene	6.8	ug/L		1	04/19/2007	04/24/2007	05/02/2007
92-09	MW-5	75-34-3	75	1,1-Dichloroethane	6.9	ug/L		1	04/19/2007	04/24/2007	05/02/2007
92-09	MW-5	156-59-2	78	Cis-1,2-Dichloroethene	6.7	ug/L		1	04/19/2007		05/02/2007
92-09	MW-6	7440-39-3	15	Barium	461	ug/L		1	04/19/2007		04/26/2007
92-09	MW-6	7440-48-4	53	Cobalt	89	ug/L		1	04/19/2007		04/26/2007
92-09	MW-6	7440-66-6	213	Zinc	13	ug/L		1	04/19/2007		04/26/2007
92-09	MW-6D	7440-66-6	213	Zinc	11	ug/L		1	04/20/2007		04/30/2007
92-09	MW-7	7440-48-4	53	Cobalt	16	ug/L		1	04/20/2007		04/30/2007
92-09	MW-7	7440-66-6	213	Zinc	18	ug/L		1	04/20/2007		04/30/2007
92-09	MW-7	156-59-2	78	Cis-1,2-Dichloroethene	24.3	ug/L		1	04/20/2007	04/24/2007	05/02/2007
92-09	MW-7	75-01-4	211	Vinyl Chloride	5.4	ug/L		1	04/20/2007	04/24/2007	05/02/2007
92-09	MW-8	156-59-2	78	Cis-1,2-Dichloroethene	18.9	ug/L		1	04/19/2007	04/24/2007	05/02/2007
92-09	MW-9	7440-39-3	15	Barium	289	ug/L		1	04/19/2007		04/26/2007
92-09	MW-9	7440-41-7	23	Beryllium	2	ug/L		1	04/19/2007		04/26/2007
92-09	MW-9	7440-43-9	34	Cadmium	1	ug/L		1	04/19/2007		04/26/2007
92-09	MW-9	7440-47-3	51	Chromium	17	ug/L		1	04/19/2007		04/26/2007
92-09	MW-9	7440-50-8	54	Copper	12	ug/L		1	04/19/2007		04/26/2007
92-09	MW-9	7439-92-1	131	Lead	21	ug/L		1	04/19/2007		04/26/2007
92-09	MW-9	7440-66-6	213	Zinc	122	ug/L		1	04/19/2007		04/26/2007
92-09	MW-9	71/43/2	16	Benzene	4.4	ug/L		1	04/19/2007	04/24/2007	05/02/2007
92-09	MW-9	106-46-7	71	1,4-Dichlorobenzene	8.4	ug/L		1	04/19/2007	04/24/2007	05/02/2007
92-09	MW-9	75-34-3	75	1,1-Dichloroethane	44.4	ug/L		1	04/19/2007	04/24/2007	05/02/2007
92-09	MW-9	75-01-4	211	Vinyl Chloride	32.9	ug/L		1	04/19/2007	04/24/2007	05/02/2007
92-09	MW-10	7439-97-6	132	Mercury	0.38	ug/L		1	04/19/2007		05/08/2007
92-09	MW-10	75-34-3	75	1,1-Dichloroethane	6.3	ug/L		1	04/19/2007	04/24/2007	05/02/2007
92-09	MW-10	156-59-2	78	Cis-1,2-Dichloroethene	7.4	ug/L		1	04/19/2007	04/24/2007	05/02/2007
92-09	MW-10	117-81-7	111	Bis-(2-Ethylhexyl) Phthalate	24	ug/L		1	04/19/2007	04/24/2007	04/27/2007
92-09	MW-10D	117-81-7	111	Bis-(2-Ethylhexyl) Phthalate	19.9	ug/L		1	04/20/2007	04/24/2007	04/29/2007
92-09	MW-11	7440-66-6	213	Zinc	21	ug/L		1	04/20/2007		04/30/2007
92-09	MW-11D	117-81-7	111	Bis-(2-Ethylhexyl) Phthalate	24.5	ug/L		1	04/20/2007	04/24/2007	04/29/2007
92-09	MW-22	7440-43-9	34	Cadmium	2	ug/L		1	04/20/2007		04/30/2007
92-09	MW-22	7440-66-6	213	Zinc	20	ug/L		1	04/20/2007		04/30/2007

Facility Name: North Wake Unlined Landfill
Monitoring Event Date: 04/19/2007 - 04/20/2007

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
92-09	MW-23	7440-39-3	15	Barium	133	ug/L		1	04/20/2007		04/30/2007
92-09	MW-23	7440-41-7	23	Beryllium	2	ug/L		1	04/20/2007		04/30/2007
92-09	MW-23	7440-47-3	51	Chromium	10	ug/L		1	04/20/2007		04/30/2007
92-09	MW-23	7440-50-8	54	Copper	23	ug/L		1	04/20/2007		04/30/2007
92-09	MW-23	7439-92-1	131	Lead	29	ug/L		1	04/20/2007		04/30/2007
92-09	MW-23	7440-62-2	209	Vanadium	28	ug/L		1	04/20/2007		04/30/2007
92-09	MW-23	7440-66-6	213	Zinc	102	ug/L		1	04/20/2007		04/30/2007
92-09	MW-24	7440-41-7	23	Beryllium	1	ug/L		1	04/20/2007		04/30/2007
92-09	MW-24	7439-92-1	131	Lead	14	ug/L		1	04/19/2007		04/30/2007
92-09	MW-24	7439-97-6	132	Mercury	0.68	ug/L		1	04/19/2007		05/08/2007
92-09	MW-24	7440-66-6	213	Zinc	112	ug/L		1	04/19/2007		04/30/2007
92-09	MW-24	67-66-3	44	Chloroform	11.4	ug/L		1	04/19/2007	04/24/2007	05/02/2007
92-09	MW-28	7440-47-3	51	Chromium	11	ug/L		1	04/20/2007		04/30/2007
92-09	MW-28	7440-66-6	213	Zinc	88	ug/L		1	04/20/2007		04/30/2007
92-09	MW-28D	7440-66-6	213	Zinc	35	ug/L		1	04/20/2007		04/30/2007
92-09	MW-29D	7440-50-8	54	Copper	16	ug/L		1	04/20/2007		04/30/2007
92-09	MW-29D	7440-66-6	213	Zinc	56	ug/L		1	04/20/2007		04/30/2007
92-09	MW-29D	117-81-7	111	Bis-(2-Ethylhexyl) Phthalate	23	ug/L		1	04/20/2007	04/24/2007	04/29/2007
92-09	MW-30	7440-39-3	15	Barium	416	ug/L		1	04/20/2007		04/30/2007
92-09	MW-30	7440-41-7	23	Beryllium	3	ug/L		1	04/20/2007		04/30/2007
92-09	MW-30	7440-47-3	51	Chromium	43	ug/L		1	04/20/2007		04/30/2007
92-09	MW-30	7440-50-8	54	Copper	60	ug/L		1	04/20/2007		04/30/2007
92-09	MW-30	7439-92-1	131	Lead	18	ug/L		1	04/20/2007		04/30/2007
92-09	MW-30	7440-62-2	209	Vanadium	44	ug/L		1	04/20/2007		04/30/2007
92-09	MW-30	7440-66-6	213	Zinc	150	ug/L		1	04/20/2007		04/30/2007
92-09	MW-31	67-66-3	44	Chloroform	23.4	ug/L		1	04/20/2007	04/24/2007	05/02/2007
92-09	MW-31D	7440-66-6	213	Zinc	10	ug/L		1	04/20/2007		04/30/2007
92-09	MW-31D	67-66-3	44	Chloroform	37.5	ug/L		1	04/20/2007	04/24/2007	05/02/2007
92-09	MW-31D	117-81-7	111	Bis-(2-Ethylhexyl) Phthalate	23	ug/L		1	04/20/2007	04/24/2007	05/09/2007
92-09	MW-32	7440-50-8	54	Copper	18	ug/L		1	04/20/2007		04/30/2007
92-09	MW-32	7440-66-6	213	Zinc	21	ug/L		1	04/20/2007		04/30/2007
92-09	MW-33	7440-47-3	51	Chromium	19	ug/L		1	04/20/2007		04/30/2007
92-09	MW-33	7440-50-8	54	Copper	14	ug/L		1	04/20/2007		04/30/2007
92-09	MW-33	7440-62-2	209	Vanadium	30	ug/L		1	04/20/2007		04/30/2007

Facility Name: North Wake Unlined Landfill
Monitoring Event Date: 04/19/2007 - 04/20/2007

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
92-09	MW-33	7440-66-6	213	Zinc	1165	ug/L		1	04/20/2007		04/30/2007
92-09	MW-34	7440-66-6	213	Zinc	16	ug/L		1	04/20/2007		05/02/2007
92-09	MW-34	75-34-3	75	1,1-Dichloroethane	13.8	ug/L		1	04/20/2007	04/24/2007	05/03/2007
92-09	MW-34	156-59-2	78	Cis-1,2-Dichloroethene	6.2	ug/L		1	04/20/2007	04/24/2007	05/03/2007
92-09	MW-34D	75-34-3	75	1,1-Dichloroethane	6.9	ug/L		1	04/20/2007	04/24/2007	05/03/2007
92-09	MW-34D	117-81-7	111	Bis-(2-Ethylhexyl) Phthalate	35	ug/L		1	04/20/2007	04/24/2007	05/04/2007
92-09	MW-35	7440-39-3	15	Barium	316	ug/L		1	04/20/2007		05/02/2007
92-09	MW-35	7440-41-7	23	Beryllium	6	ug/L		1	04/20/2007		05/02/2007
92-09	MW-35	7440-43-9	34	Cadmium	1	ug/L		1	04/20/2007		05/02/2007
92-09	MW-35	7440-47-3	51	Chromium	39	ug/L		1	04/20/2007		05/02/2007
92-09	MW-35	7440-48-4	53	Cobalt	10	ug/L		1	04/20/2007		05/02/2007
92-09	MW-35	7440-50-8	54	Copper	55	ug/L		1	04/20/2007		05/02/2007
92-09	MW-35	7439-92-1	131	Lead	19	ug/L		1	04/20/2007		05/02/2007
92-09	MW-35	7440-62-2	209	Vanadium	109	ug/L		1	04/20/2007		05/02/2007
92-09	MW-35	7440-66-6	213	Zinc	149	ug/L		1	04/20/2007		05/02/2007
92-09	TB-1AD	67-66-3	44	Chloroform	32.4	ug/L		1	04/20/2007	04/24/2007	05/02/2007
92-09	TB-1A	7440-39-3	15	Barium	205	ug/L		1	04/19/2007		04/30/2007
92-09	TB-1A	7440-43-9	34	Cadmium	39	ug/L		1	04/19/2007		04/30/2007
92-09	TB-1A	7440-47-3	51	Chromium	14	ug/L		1	04/19/2007		04/30/2007
92-09	TB-1A	7440-50-8	54	Copper	88	ug/L		1	04/19/2007		04/30/2007
92-09	TB-1A	7439-97-6	132	Mercury	1.9	ug/L		1	04/19/2007		05/08/2007
92-09	TB-1A	7440-62-2	209	Vanadium	30	ug/L		1	04/19/2007		04/30/2007
92-09	TB-1A	7440-66-6	213	Zinc	262	ug/L		1	04/19/2007		04/30/2007
92-09	TB-1A	67-66-3	44	Chloroform	22.5	ug/L		1	04/19/2007	04/24/2007	05/02/2007

Table 1
Groundwater Elevations
North Wake Unlined Landfill

Monitoring Well Designation	TOC Elevation (AMSL)*	4/18/2001 Groundwater Elevation (AMSL)	7/25/2001 Groundwater Elevation (AMSL)	12/4/2001 Groundwater Elevation (AMSL)	4/9/2002 Groundwater Elevation (AMSL)	11/6/2002 Groundwater Elevation (AMSL)	4/17/2003 Groundwater Elevation (AMSL)	11/4/2003 Groundwater Elevation (AMSL)	4/14/2004 Groundwater Elevation (AMSL)	11/18/2004 Groundwater Elevation (AMSL)	4/21/2005 Groundwater Elevation (AMSL)	11/11/2005 Groundwater Elevation (AMSL)	4/14/2006 Groundwater Elevation (AMSL)	11/9/2006 Groundwater Elevation (AMSL)	4/19/2007 Groundwater Elevation (AMSL)
MW-5	225.28	205.84	203.98	203.78	205.28	204.77	207.26	205.23	205.84	205.18	206.47	203.79	205.28	201.88	202.95
MW-5R	NA								NA	NA	NA	NA	NA	NA	NA
MW-6	218.61	206.81	206.10	206.26	207.52	205.85	207.19	206.41	206.66	206.47	206.47	205.71	206.18	206.31	206.30
MW-6d	218.61		205.96	206.16	205.61	206.45	206.71	206.13	206.15	206.03	206.20	205.61	205.97	206.01	206.05
MW-7	233.76	222.22	221.80	222.02	222.41	222.66	222.91	222.46	222.43	222.41	222.55	222.05	222.28	222.10	225.02
MW-8	225.66	215.23	214.76	214.76	215.04	214.91	215.41	214.96	215.13	215.69	215.16	214.88	214.94	215.08	214.96
MW-8d	226.26		214.16	214.16	213.26	214.46	215.13	214.48	214.57	214.44	214.67	214.09	214.35	214.45	214.54
MW-9	242.23	213.08	212.55	212.46	212.87	212.47	213.58	212.98	213.00	212.68	212.92	212.09	212.38	212.26	212.65
MW-10	277.78	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-10 (relocated)	274.98	233.54	233.27	232.45	232.53	233.03	235.92	236.24	235.12	235.09	234.66	233.25	232.79	232.20	233.41
MW-10d	274.54		231.17	230.81	230.74	231.22	233.66	234.16	232.51	232.97	231.82	230.21	229.29	228.99	229.85
MW-11	342.96	300.59	NM	301.54	298.81	299.29	301.28	302.36	301.49	301.51	301.09	299.88	299.43	299.21	300.21
MW-11D	343.01									301.22	300.89	299.75	299.29	299.06	300.10
MW-22	255.03	221.03	221.15	220.90	220.97	221.68	223.39	223.47	222.21	222.47	221.83	220.81	220.86	220.87	221.47
MW-23	275.26	233.21	233.10	232.45	231.26	232.04	236.04	235.88	234.79	234.85	234.39	232.81	231.74	231.43	232.64
MW-23 deep	274.94	232.29	232.31	231.64	231.67	231.92	234.79	234.87	233.83	233.87	233.41	231.99	231.00	230.72	231.83
MW-24	267.03	223.96	223.83	223.32	223.53	223.44	225.77	225.85	225.31	225.21	225.16	223.65	223.13	222.89	224.00
MW-27	215.54	210.48	209.82	NS	209.52	NS	211.03	NS	210.49	NS	210.61	NS	NS	NS	NS
MW-28	238.43	220.44	220.28	NS	220.43	NS	223.18	NS	221.81	NS	221.64	NS	220.71	NS	224.19
MW-28d	238.47	210.87	212.12	NS	212.37	NS	223.12	NS	221.82	NS	221.70	NS	220.66	NS	224.32
MW-29d	275.42	236.38	236.59	236.12	234.92	236.30	238.56	239.32	238.33	238.31	237.78	236.45	235.50	235.08	239.10
MW-30	282.28	234.43	234.60	234.10	233.92	234.26	236.83	237.49	236.18	236.74	235.75	234.30	233.30	232.81	233.91
MW-31	261.69	234.36	234.03	233.34	234.04	234.69	238.51	237.83	237.22	237.72	236.96	232.13	231.12	230.73	231.74
MW-31d	260.89	233.74	233.59	232.83	233.58	234.14	237.79	237.50	236.83	237.32	236.60	231.98	230.90	230.40	231.86
MW-32	243.00	228.90	227.11	226.77	228.75	228.97	229.95	228.09	228.36	228.47	229.00	226.74	227.29	227.18	228.09
TB-1a	254.40	229.51	228.80	228.32	229.40	229.38	232.52	231.72	231.80	232.08	232.07	228.06	227.86	227.55	228.75
TB-1a deep	256.04		228.26	226.89	227.79	228.76	231.52	230.86	230.72	231.03	230.84	227.51	227.30	226.95	228.14
MW-33	221.60	210.85	208.93	NS	210.80	NS	212.07	NS	210.50	NS	210.77	NS	209.92	NS	213.60
MW-34	221.61	209.50	206.80	NS	208.06	NS	211.79	NS	208.50	NS	209.16	NS	207.78	NS	208.54
MW-34d	221.84	209.22	206.79	NS	208.74	NS	211.36	NS	208.33	NS	208.88	NS	207.64	NS	208.35
MW-35	223.12	207.57	205.26	NS	206.32	NS	209.82	NS	208.42	NS	207.32	NS	206.08	NS	209.70

(1) AMSL = Above Mean Sea Level
(2) NS = Well not sampled
(3) NM = Well not measured
(4) NA = Well not available
(5) MW-5R installed on January 30, 2004.
*** - TOC and Groundwater Elevations Based Upon 2005 Taylor-Weisman-Taylor Survey**

Table 2
Summary of Calculated Groundwater Flow Velocities
North Wake Unlined Landfill

Monitoring Well Designation	Sampling Date: Hydraulic Conductivity ft/day (cm/s)	Effective Porosity	4/21/2005 Gradient (Flow Direction)	4/21/2005 Average Linear Velocity (ft/day)	11/11/2005 Gradient (Flow Direction)	11/11/2005 Average Linear Velocity (ft/day)	4/13/2006 Gradient (Flow Direction)	4/13/2006 Average Linear Velocity (ft/day)	11/9/2006 Gradient (Flow Direction)	11/9/2006 Average Linear Velocity (ft/day)	4/17/2007 Gradient (Flow Direction)	4/17/2007 Average Linear Velocity (ft/day)
MW-5	0.33 1.16E-04	0.18	0.0227 (E)	4.16E-02	0.0179 (E)	3.28E-02	0.0417 (E)	7.65E-02	0.0399 (E)	7.32E-02	0.0125 (E)	2.29E-02
MW-6	10.58 3.73E-03	0.13	0.0106 (W)	8.63E-01	0.0172 (E)	1.40E+00	0.0172 (E)	1.40E+00	0.0172 (E)	1.40E+00	0.0132 (E)	1.07E+00
MW-7	1.15 4.06E-04	0.18	0.0192 (ESE)	1.23E-01	0.0172 (ESE)	1.10E-01	0.0172 (ESE)	1.10E-01	0.0172 (ESE)	1.10E-01	0.0208 (NE)	1.33E-01
MW-8	3.61 1.27E-03	0.18	0.0132 (E)	2.65E-01	0.0217 (E)	4.35E-01	0.0313 (E)	6.28E-01	0.0313 (E)	6.28E-01	0.0135 (ENE)	2.71E-01
MW-9	1.22 4.30E-04	0.30	0.0185 (E)	7.52E-02	0.0152 (E)	6.18E-02	0.0152 (E)	6.18E-02	0.0152 (E)	6.18E-02	0.0200 (E)	8.13E-02
MW-10	0.509 1.80E-04	0.05	0.0625 (E)	6.36E-01	0.0250 (E)	2.55E-01	0.0250 (E)	2.55E-01	0.0250 (E)	2.55E-01	0.0417 (E)	4.25E-01
MW-11*	5.66 2.00E-03	0.13	0.0189 (NNE)	8.23E-01	0.0200 (NNE)	8.71E-01	0.0204 (NE)	8.88E-01	0.0204 (NE)	8.88E-01	0.0213 (NE)	9.27E-01
MW-22	0.07 2.47E-05	0.18	0.0820 (ENE)	3.19E-02	0.0278 (ENE)	1.08E-02	0.0385 (ENE)	1.50E-02	0.0385 (ENE)	1.50E-02	0.0400 (ENE)	1.56E-02
MW-23	3.59 1.27E-03	0.30	0.0263 (E)	3.15E-01	0.0208 (E)	2.49E-01	0.0227 (E)	2.72E-01	0.0227 (E)	2.72E-01	0.0208 (E)	2.49E-01
MW-24	0.34 1.20E-04	0.30	0.0333 (SE)	3.77E-02	0.0161 (ESE)	1.82E-02	0.0156 (ESE)	1.77E-02	0.0156 (ESE)	1.77E-02	0.0313 (ESE)	3.55E-02

NS - Not Sampled
NC - Not Constructed
* - MW-11 is a background well located approximately 3000-ft SW of the Unlined Facility

Table 3
Field Parameters
North Wake Unlined Landfill

Sampling Date:	11/6/2002			4/17/2003			11/4/2003			4/14/2004			11/18/2004			4/21/2005			11/11/2005			4/14/2006			11/9/2006			4/19/2007		
Monitoring Well Designation	pH (-)	Conductivity (µS)	Temp. (deg. C)	pH (-)	Conductivity (µS)	Temp. (deg. C)	pH (-)	Conductivity (µS)	Temp. (deg. C)	pH (-)	Conductivity (µS)	Temp. (deg. C)	pH (-)	Conductivity (µS)	Temp. (deg. C)	pH (-)	Conductivity (µS)	Temp. (deg. C)	pH (-)	Conductivity (µS)	Temp. (deg. C)	pH (-)	Conductivity (µS)	Temp. (deg. C)	pH (-)	Conductivity (µS)	Temp. (deg. C)	pH (-)	Conductivity (µS)	Temp. (deg. C)
MW-5	5.72	181	17.4	6.08	402	16.7	5.60	3390	20.3	6.30	1710	16.7	6.4	766	17	6.2	753	17	6.4	987	17	6.2	495	20	6.2	780	19	6.2	742	18
MW-6	5.58	98	19.2	5.79	209	16.3	4.80	495	19.1	5.76	567	14.1	5.4	768	18	5.3	668	15	5.5	954	18	6.0	860	19	5.8	133	19	5.9	1184	15
MW-6d	6.59	101	16.7	6.22	103	17.9	5.87	138	17.2	6.15	91	17.2	6.4	103	17	6.5	120	17	6.2	139	17	6.0	110	19	6.0	132	19	5.9	144	17
MW-7	6.14	222	18.6	5.85	384	14.8	5.50	484	18.4	5.91	292	15.4	5.7	424	18	5.6	435	15	5.8	339	17	5.9	392	17	5.9	645	20	6.1	576	16
MW-8	6.05	82	18.7	6.30	76	16.6	5.15	105	18.4	5.86	96	14.9	5.8	104	19	5.6	136	16	5.9	119	18	5.7	128	17	5.8	148	18	5.9	178	15
MW-8d	6.95	235	16.4	6.63	144	17.8	5.88	151	16.8	6.40	130	17.1	6.3	133	17	6.1	150	16	6.4	166	17	6.2	165	17	6.2	187	16	6.4	260	14
MW-9	6.16	521	16.6	6.39	593	18.6	5.76	891	17.2	6.33	644	16.5	6.1	674	17	6.0	635	18	6.1	659	17	6.0	590	21	6.0	567	17	6.1	538	17
MW-10 (relocated)	5.54	158	16.1	5.11	110	17.5	4.90	116	17.0	5.83	107	15.8	5.6	130	16	5.2	137	17	5.5	158	16	5.4	159	18	5.4	181	17	5.6	120	17
MW-10d	6.79	223	15.4	6.23	208	16.7	5.64	185	17.2	5.40	168	17.4	6.1	157	16	6.0	158	17	6.4	178	14	6.2	158	19	6.1	176	16	6.0	172	16
MW-11	6.14	73	15.6	6.36	54	17.3	6.47	55	17.4	5.31	56	16.5	5.7	69	16	5.6	72	20	5.8	76	16	5.5	68	17	5.7	90	18	5.8	81	18
MW-11D													6.1	88	15	5.8	953	18	5.9	90	16	5.8	93	18	6.0	106	18	6.1	110	18
MW-22	6.31	111	15.6	5.94	90	16.4	5.45	144	16.3	4.93	96	17.0	5.1	114	15	5.5	123	17	5.9	132	16	5.7	123	17	5.7	150	17	5.7	138	15
MW-23	6.05	81	16.3	5.64	80	17.4	5.09	112	16.4	4.13	70	16.3	5.4	85	15	5.3	69	17	5.4	808	16	5.6	95	18	5.7	76	17	5.4	65	15
MW-23 deep	6.58	98	15.8	6.21	88	16.7	5.62	148	16.6	4.97	91	16.2	6.0	110	15	5.8	116	17	5.9	1308	16	5.9	128	18	5.9	155	17	5.8	149	16
MW-24	5.76	147	16.0	5.79	117	17.7	4.92	122	16.9	6.29	90	15.9	5.7	109	16	5.6	108	18	5.7	106	15	5.5	109	18	5.7	103	16	5.8	88	16
MW-27	NS	NS	NS	6.02	111	16.5	NS	NS	NS	5.51	149	16.4	NS	NS	NS	6.1	137	17	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-28	NS	NS	NS	6.12	144	17.4	NS	NS	NS	5.26	117	17.3	NS	NS	NS	5.8	149	18	NS	NS	NS	5.9	199	19	NS	NS	NS	6.1	192	18
MW-28d	NS	NS	NS	6.76	155	17.3	NS	NS	NS	6.16	180	17.5	NS	NS	NS	6.4	194	17	NS	NS	NS	6.3	188	18	NS	NS	NS	6.8	187	18
MW-29d	6.33	103	15.9	5.58	115	15.5	5.44	148	16.8	5.22	95	16.7	5.8	113	16	5.7	113	17	5.9	123	16	5.8	130	18	5.9	138	18	5.9	164	17
MW-30	6.61	84	15.4	6.23	88	16.1	5.58	133	16.8	6.06	84	14.9	6.1	102	15	5.8	105	17	6.0	110	16	5.8	112	17	5.9	123	16	5.7	121	17
MW-31	6.15	169	17.6	5.68	175	17.8	5.39	252	18.8	6.01	134	18.7	5.8	154	17	5.7	154	20	6.1	162	15	5.7	152	19	5.7	179	19	5.5	171	18
MW-31d	6.61	121	16.6	6.38	131	16.1	5.91	216	18.0	6.42	146	17.7	6.2	154	17	6.0	160	20	6.1	200	16	6.0	167	19	6.3	223	20	6.0	183	17
MW-32	6.30	140	17.9	5.56	147	13.8	5.39	166	17.4	6.06	113	14.1	5.6	95	18	5.5	118	16	5.6	114	16	5.5	83	16	5.6	100	18	5.5	93	15
TB-1a	5.83	164	15.8	5.82	176	16.1	5.04	178	16.2	5.36	122	15.9	5.7	129	16	5.9	134	19	5.8	155	14	5.7	126	19	5.7	133	17	6.0	118	16
TB-1a deep	6.62	98	15.7	5.23	107	15.1	5.55	127	15.9	6.17	113	16.0	6.0	128	17	5.9	135	18	6.1	146	15	5.8	139	19	6.3	173	17	5.9	153	16
MW-33	NS	NS	NS	5.94	86	15.0	NS	NS	NS	5.78	81	14.4	NS	NS	NS	5.6	98	15	NS	NS	NS	5.9	131	17	NS	NS	NS	5.9	152	14
MW-34	NS	NS	NS	5.01	83	13.8	NS	NS	NS	5.13	75	14.8	NS	NS	NS	5.2	107	15	NS	NS	NS	5.5	119	15	NS	NS	NS	5.4	130	14
MW-34d	NS	NS	NS	5.38	114	15.1	NS	NS	NS	5.92	173	15.3	NS	NS	NS	5.6	130	15	NS	NS	NS	6.1	234	15	NS	NS	NS	6.0	180	15
MW-35	NS	NS	NS	5.29	20	14.5	NS	NS	NS	5.46	24	16.8	NS	NS	NS	5.6	44	15	NS	NS	NS	5.4	47	15	NS	NS	NS	5.3	64	15

MW-6d, -8d, -10d, and TB-1a deep installed in June 2001
MW-5R installed on January 30, 2004.
NS = Not sampled.
NA = Data Not Available

Table 4a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
NC Standard		50	2000	2*	1.75	50	2*	1000	15	100	50	17.5	2000*	25*	1050	1.05
MW-1	15-Apr-94	<3	221	<5	<0.5	<20	23	54	14	<20	<3	<1		50	88	
MW-1	11-May-94	<3	146	<5	<0.5	<20	19	55	14	<20	<3	<1		59	83	
MW-1	10-Jun-94	<3	191	<5	<0.5	<20	27	111	7.6	20	<3	<1		90	114	
MW-1	3-Oct-94	<3	143	<5	<0.5	16	26	74	8	<20	<3	<1		60	85	
MW-1	13-Jun-95	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10		<40	<50	<.5
MW-1	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		NS	NS	<.5
MW-11 **	31-Oct-95	11	842	8	<1	24	71	331	26	87	<20	<10	<10	117	314	<1
MW-11	22-Mar-96	<10	<500	<2	<1	<10	15	<200	<10	<50	<20	<10	<10	51	70	1.6
MW-11	29-Nov-96	35	<10	<1	<1	<2	<2	<10	<5	<50	<5	<5	<10	<5	<10	<.2
MW-11	22-Apr-97	<10	<20	<5	<0.5	<20	<10	<10	<2	<20	<3	<1	<10	<20	130	<.2
MW-11	31-Oct-97	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	66	<.2
MW-11	11-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-11	8-Dec-98	<10	<500	<2	2.1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-11	14-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-11	30-Nov-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-11	5-Apr-00	<10	<500	<2	1.2	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-11	18-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-11	18-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-11	27-Nov-01	<10	311	<10	<10	<10	<10	16.5	<10	<40	<10	<10	<10	<50	29.7	<.3
MW-11	5-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-11	5-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-11	15-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-11	29-Oct-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-11	18-Nov-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-11	21-Apr-05	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-11	11-Nov-05	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	83	<.5
MW-11	14-Apr-06	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-11	10-Nov-06	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	82	<.5
MW-11	20-Apr-07	<10	<100	<1	<1	<10	<10	<10	<10	<50	<10	<10	<5	<25	21	<.2
MW-11d	31-Oct-95	<10	<500	<2	2	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<1
MW-11d	22-Mar-96	<10	<500	<2	1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-11d	29-Nov-96	<5	26	<1	<1	<2	<2	<10	<5	<50	<5	<5	<10	<5	<10	<.2
MW-11d	22-Apr-97	<10	<500	<5	<1	<20	<10	<10	<2	<20	<3	<1	<10	<20	54	<.2
MW-11d	31-Oct-97	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	26	<.2
MW-11d	11-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	69	<.2
MW-11d	8-Dec-98	<10	<500	<2	1.9	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-11d	14-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-11d	30-Nov-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-11d	5-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-11d	18-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-11d	18-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-11d	27-Nov-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-11d	5-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.3
MW-11d	5-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-11d	15-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-11d	29-Oct-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-11d	18-Nov-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-11d	21-Apr-05	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-11d	11-Nov-05	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-11d	14-Apr-06	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-11d	10-Nov-06	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-11d	20-Apr-07	<10	<100	<1	<1	<10	<10	<10	<10	<50	<10	<10	<5	<25	<10	<.2
MW-5	6-Mar-94	<5	76	<5	<5	<10	<10	<20	<5	<10	<5	<10	<10	<10	110	
MW-5	15-Apr-94	<3	60	<50	0.9	<20	<10	<10	<2	<20	<3	62	<10	<20	47	
MW-5	11-May-94	<3	58	<5	0.5	<20	<10	11	<2	<20	<3	<1	<10	<20	28	
MW-5	31-May-94	<5	68	<5	<5	<10	11	<20	<5	17	<5	<10	<10	<10	63	
MW-5	10-Jun-94	<3	54	<5	<.5	<20	<10	<10	2.5	<20	<3	<1	<10	<20	20	
MW-5	30-Sep-94	<3	48	<5	<.5	<20	<20	<10	<2	<20	<3	7.3	<10	<20	10	
MW-5	13-Jun-95	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-5	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10	NS	NS	<.5
MW-5	31-Oct-95	<10	<500	<2	1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<1
MW-5 (dup)	31-Oct-95	<10	<500	<2	1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<1
MW-5	30-Jan-96	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	237	<.5
MW-5	29-Nov-96	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10	NS	NS	NS
MW-5	22-Apr-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10	NS	NS	NS
MW-5	1-Nov-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10	NS	NS	NS
MW-5	6-May-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10	NS	NS	NS
MW-5	6-Aug-98	<10	<500	2.2	4.8	32	24	<200	<10	<50	<20	<10	<10	86	190	<0.2
MW-5	8-Dec-98	<10	<500	<2	1.5	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-5	16-Apr-99	<10	<500	<2	1.5	<10	28.3	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-5	2-Dec-99	<10	<500	<2	1	<10	49.8	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-5	11-Apr-00	<10	<500	<2	<1	<10	34.8	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-5	20-Dec-00	<10	<500	<2	<1	<10	26.9	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-5	16-Apr-01	<10	<500	<2	<1	<10	32.1	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-5	3-Dec-01	<10	<100	<10	<10	<10	18.3	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-5	12-Apr-02	<10	<500	<2	<1	<10	34.9	<200	<10	<50	<20	<10	<10	<40	70.5	<.3
MW-5	5-Nov-02	<10	<500	<2	<1	<10	37.7	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-5	17-Apr-03	<10	<500	<2	<1	<10	55.1	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-5	4-Nov-03	<10	533	<2	3.06	<10	113	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-5 (dup)	4-Nov-03	<10	590	<2	3.48	<10	123	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-5	14-Apr-04	<10	<500	<2	1.52	<10	55.3	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-5	18-Nov-04	<10	<500	<2	<1	<10	166	<200	<10	<50	<20	<10	<10	<40	57	<.5
MW-5	21-Apr-05	<10	<500	<2	<1	<10	18	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-5	11-Nov-05	<10	<500	<2	<1	<10	139	<200	<10	<50	<20	<10	<10	<40	57	<.5
MW-5	14-Apr-06	<10	<500	<2	<1	<10	90	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-5	9-Nov-06	<10	<500	<2	<1	<10	23	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-5	19-Apr-07	<10	125	<1	<1	<10	16	<10	<10	<50	<10	<10	<5	<25	<10	<.2

Table 4a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
NC Standard		50	2000	2*	1.75	50	2*	1000	15	100	50	17.5	2000*	25*	1050	1.05
MW-5R	21-Apr-04	12.4	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-6	6-Mar-94	<5	190	<5	<5	32	10	33	18	33	<5	<10	<10	63	51	
MW-6	15-Apr-94	<3	144	<5	<.5	20	12	20	11	<20	<3	7.3	<10	50	27	
MW-6	11-May-94	<3	175	<5	<.5	30	13	33	9.3	<20	<3	7.3	<10	70	35	
MW-6	1-Jun-94	<5	260	5.4	<.5	49	18	28	14	13	<5	<10	<10	100	72	
MW-6	25-Aug-94	<3	68	<5	<.5	<20	<20	<10	<2	<20	<3	7.3	<10	<20	<10	
MW-6	29-Sep-94	<3	110	<5	<.5	19	<20	19	6.9	<20	<3	7.3	<10	40	16	
MW-6	13-Jun-95	<10	<500	2	<1	22	<10	<200	<10	<50	<20	<10	<10	41	<50	2.6
MW-6	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10	NS	NS	0.5
MW-6	31-Oct-95	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	2.5
MW-6	30-Jan-96	<10	<500	7	<1	44	12	<200	13	<50	<20	<10	<10	85	61	1.8
MW-6	29-Nov-96	<5	150	2	<1	20	6	21	6	<50	<5	<5	<10	52	40	0.83
MW-6	22-Apr-97	<5	<5	<.3	<1	12	<5	<5	<5	<5	<10	<5	<10	<5	67	1.1
MW-6	2-Nov-98	<10	<500	<2	<1	14	<10	<200	<10	<50	<20	<10	<10	<40	28	0.54
MW-6	6-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.65
MW-6 (dup)	6-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<0.2
MW-6	8-Dec-98	<10	<500	<2	1.4	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.81
MW-6	16-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.7
MW-6	2-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.9
MW-6	11-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	1.1
MW-6	18-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	1.8
MW-6	16-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	1.9
MW-6	3-Dec-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	0.6
MW-5	12-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-6	5-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.9
MW-6	17-Apr-03	<10	<500	<2	<1	<10	14.4	<200	<10	<50	<20	<10	<10	<40	<50	0.7
MW-6	4-Nov-03	<10	<500	<2	<1	<10	30.1	<200	<10	<50	<20	<10	<10	<40	<50	0.46
MW-5	14-Apr-04	20.6	<500	<2	<1	<10	48.1	<200	<10	<50	<20	<10	<10	<40	<50	0.28
MW-6	18-Nov-04	<10	<500	<2	2	47	86	<200	<10	<50	<20	<10	<10	41	<50	0.53
MW-6	21-Apr-05	<10	<500	<2	<1	<10	33	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-6	11-Nov-05	<10	<500	<2	1	19	50	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-6	14-Apr-06	<10	<500	<2	2	10	69	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-6	9-Nov-06	<10	<500	<2	<1	10	85	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-6	19-Apr-07	<10	461	<1	<1	<10	89	<10	<10	<50	<10	<10	<5	<25	13	<.2
MW-6d	6-Jun-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-6d	4-Dec-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-6d	9-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-6d	7-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-6d	16-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-6d	5-Nov-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-6d	21-Apr-04	<10	<500	<2	<1	17.3	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-6d	18-Nov-04	<10	<500	<2	1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-6d	21-Apr-05	<10	<500	<2	1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-6d	11-Nov-05	<10	<500	<2	1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-6d	11-Apr-06	<10	<500	<2	1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-6d	9-Nov-06	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-6d	20-Apr-07	<10	<100	<1	<1	<10	<10	<10	<10	<50	<10	<10	<5	<25	11	<.2
MW-7	6-Mar-94	<5	190	<5	<5	48	17	110	22	21	<5	<10	<10	67	82	
MW-7	15-Apr-94	<3	136	<5	<.5	30	11	53	25	20	<3	<1	<10	40	56	
MW-7	11-May-94	<3	51	<5	<.5	30	11	24	6.8	<20	<3	<1	<10	40	28	
MW-7	31-May-94	<5	350	5.4	<.5	89	30	180	34	40	<5	<10	<10	140	150	
MW-7	25-Aug-94	<3	44	<5	<.5	<20	<20	25	2.7	<20	<3	<1	<10	<20	19	
MW-7	29-Sep-94	<3	49	<5	<.5	15	<20	26	4.7	<20	<3	<1	<10	20	20	
MW-7	13-Jun-95	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-7	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10	NS	NS	<.5
MW-7	31-Oct-95	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<1
MW-7	30-Jan-96	<10	<500	2	<1	35	<10	<200	10	<50	<20	<1	<10	<40	<50	<.5
MW-7	29-Nov-96	<5	17	<1	<1	<2	<2	<10	<5	<50	<5	<5	<10	<5	<10	<.2
MW-7	21-Apr-97	<5	<5	<.3	<1	<5	<5	<5	<5	<5	<10	<5	<10	<5	<20	0.38
MW-7 (dup)	21-Apr-97	<5	<5	<.3	<1	<5	<5	<5	<5	<5	<10	<5	<10	<5	<20	0.22
MW-7	1-Nov-97	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	48	0.58
MW-7	6-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.24
MW-7	8-Dec-98	<10	<500	<2	2.6	15	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.25
MW-7	16-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-7	2-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.2
MW-7	11-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.2
MW-7 (dup)	11-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.2
MW-7	19-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.3
MW-7 (dup)	19-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.3
MW-7	16-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-7	4-Dec-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-7	9-Apr-02	<10	<500	<2	<1	<10	10.1	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-7	6-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-7	16-Apr-03	<10	<500	<2	<1	<10	20.3	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-7	5-Nov-03	<10	<500	<2	<1	<10	19.2	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-7	21-Apr-04	<10	<500	<2	<1	<10	29.5	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-7 (dup)	21-Apr-04	12.1	<500	<2	<1	<10	24	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-7	18-Nov-04	<10	<500	<2	<1	<10	44	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-7	21-Apr-05	<10	<500	<2	<1	<10	44	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-7	11-Nov-05	<10	<500	<2	<1	16	15	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-7	11-Apr-06	<10	<500	<2	<1	<10	26	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-7	9-Nov-06	<10	<500	<2	2	36	29	<200	<10	<50	<20	<10	<10	<40	56	0.63
MW-7	20-Apr-07	<10	<100	<1	<1	<10	18	<10	<10	<50	<10	<10	<5	<25	18	<.2

Table 4a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
NC Standard		50	2000	2*	1.75	50	2*	1000	15	100	50	17.5	2000*	25*	1050	1.05
MW-8	6-Mar-94	<5	120	<5	<5	17	<10	25	<5	13	<5	<10	<10	35	49	
MW-8	15-Apr-94	<3	97	<5	<.5	<20	<10	22	4.2	20	<3	<1	<10	30	35	
MW-8	11-May-94	<3	89	<5	<.5	<20	<10	20	4.3	<20	<3	<1	<10	20	26	
MW-8	31-May-94	<5	330	5.4	<5	81	34	90	16	39	<5	<10	<10	160	150	
MW-8	25-Aug-94	<3	76	<5	<.5	<20	<10	13	2.7	<20	<3	<1	<10	<20	21	
MW-8	30-Sep-94	<3	82	<5	<.5	20	<10	14	5.4	<20	<3	<1	<10	20	19	
MW-8	13-Jun-95	<10	<500	<2	<1	36	11	<200	<10	<50	<20	<10	<10	87	<50	<.5
MW-8	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10	NS	NS	<.5
MW-8	31-Oct-95	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<1
MW-8	30-Jan-96	<10	<500	3	<1	35	12	<200	<10	<50	<20	<10	<10	64	63	<.5
MW-8 (dup)	30-Jan-96	<10	<500	3	<1	36	12	<200	<10	<50	<20	<10	<10	63	76	<.5
MW-8	29-Nov-96	<5	120	<1	<1	14	5	21	<5	<50	<5	<5	<10	31	54	<.2
MW-8 (dup)	29-Nov-96	<5	82	<1	<1	<2	<2	<10	<5	<50	<5	<5	<10	<5	19	<.2
MW-8	21-Apr-97	<5	<5	<.3	<1	19	<5	<5	<5	<5	<10	<5	<10	<5	<20	<.2
MW-8	2-Nov-97	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-8	6-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-8	8-Dec-98	<10	<500	<2	1.2	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-8	16-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-8 (dup)	16-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-8	2-Dec-99	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10	NS	NS	NS
MW-8	11-Apr-00	<10	<500	<2	2.1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-8	20-Dec-00	<10	<500	<2	1.5	<10	17.1	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-8	16-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-8	3-Dec-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-8	12-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-8	5-Nov-02	<10	<500	<2	1.2	15.3	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-8	17-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-8	4-Nov-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-8	14-Apr-04	<10	<500	<2	<1	19.6	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-8	18-Nov-04	<10	<500	<2	<1	198	72	<200	13	114	<20	<10	<10	281	161	<.5
MW-8	21-Apr-05	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-8	11-Nov-05	<10	<500	3	<1	31	<10	<200	14	<50	<20	<10	<10	<40	116	<.5
MW-8	14-Apr-06	<10	<500	3	2	30	<10	<200	14	<50	<20	<10	<10	50	111	<.5
MW-8	9-Nov-06	<10	<500	2	<1	34	<10	<200	11	<50	<20	<10	<10	<40	89	<.5
MW-8	20-Apr-07	<10	<100	<1	<1	<10	<10	<10	<10	<50	<10	<10	<5	<25	<10	<.2
MW-8d	8-Jun-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	12.7	<10	<10	<50	<20	<.3
MW-8d	4-Dec-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-8d	9-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-8d (dup)	9-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-8d	7-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-8d	16-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-8d	4-Nov-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-8d	21-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-8d	18-Nov-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-8d	21-Apr-05	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-8d	11-Nov-05	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-8d	14-Apr-06	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-8d	10-Nov-06	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-8d	20-Apr-07	<10	<100	<1	<1	<10	<10	<10	<10	<50	<10	<10	<5	<25	<10	<.2
MW-9	6-Mar-94	<5	210	<5	<5	<10	<10	<20	<5	<10	<5	<10	<10	<10	<20	
MW-9	15-Apr-94	<3	199	<5	<.5	<20	11	<10	<2	<20	<3	<1	<10	<20	<10	
MW-9	11-May-94	<3	193	<5	<.5	<20	10	<10	2.7	<20	<3	<1	<10	<20	14	
MW-9	31-May-94	<5	270	<5	<5	24	14	25	21	<10	<5	<10	<10	23	120	
MW-9	25-Aug-94	<3	135	<5	<.5	<20	<20	<10	<2	<20	<3	<1	<10	<20	14	
MW-9	29-Sep-94	<3	123	<5	<.5	<20	<20	<10	4.2	<20	<3	<1	<10	<20	12	
MW-9	13-Jun-95	<10	<500	<2	<1	<10	14	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-9	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10	NS	NS	<.5
MW-9	31-Oct-95	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<1
MW-9	30-Jan-96	<10	<500	4	1	20	18	<200	17	<50	<20	<10	<10	<40	65	<.5
MW-9	29-Nov-96	<5	140	<1	<1	<2	<2	<10	<5	<50	<5	<5	<10	<5	21	<.2
MW-9	22-Apr-97	<5	<5	<.3	<1	<5	<5	<5	<5	<5	<10	<5	<10	<5	<20	<.2
MW-9	2-Nov-97	<10	<500	<2	<1	<10	11	<200	<10	<50	<20	<10	<10	<40	37	<.2
MW-9	6-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-9	8-Dec-98	<10	<500	<2	1.5	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-9	16-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-9	2-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-9	11-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-9	20-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-9	16-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-9	3-Dec-01	11	165	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-9 (dup)	3-Dec-01	12.2	160	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-9	12-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	10.8	<40	<50	<.3
MW-9	5-Nov-02	<10	<500	<2	<1	<10	10.1	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-9	17-Apr-03	<10	<500	<2	<1	<10	10.6	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-9	4-Nov-03	<10	<500	<2	<1	<10	11.3	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-9	14-Apr-04	20.6	<500	<2	<1	<10	11.8	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-9	18-Nov-04	<10	<500	<2	7	<10	10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-9	21-Apr-05	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-9	11-Nov-05	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-9	14-Apr-06	<10	<500	<2	3	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-9	9-Nov-06	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-9	19-Apr-07	<10	289	2	1	17	<10	12	21	<50	<10	<10	<5	<25	122	<.2

Table 4a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
NC Standard		50	2000	2*	1.75	50	2*	1000	15	100	50	17.5	2000*	25*	1050	1.05
MW-10	6-Mar-94	<5	690	<5	<5	150	100	380	18	140	110	<10	<10	310	230	
MW-10	15-Apr-94	<3	117	<5	<.5	20	20	51	3.2	40	<3	5.6	<10	40	38	
MW-10	11-May-94	<3	103	<5	<.5	20	16	48	2	20	<3	<1	<10	40	32	
MW-10	31-May-94	<5	280	<5	<5	63	39	140	<5	55	<5	<10	<10	120	120	
MW-10	25-Aug-94	<3	143	<5	<.5	30	<20	63	2.3	30	<3	<1	<10	60	43	
MW-10	29-Sep-94	<3	103	<5	<.5	17	<20	43	3.6	<20	<3	<1	<10	50	26	
MW-10	13-Jun-95	<10	<500	2	2	111	38	339	<10	143	<20	<10	<10	313	166	<.5
MW-10	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10	NS	NS	<.5
MW-10	31-Oct-95	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<1
MW-10	30-Jan-96	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-10	26-Nov-96	<5	71	<1	<1	<2	14	<10	<5	<50	<5	<5	<10	<5	<10	<.2
MW-10	22-Apr-97	<5	<5	<.3	<1	31	23	<5	<5	<5	<10	<5	<10	43	98	<.2
MW-10	1-Nov-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10	NS	NS	NS
MW-10	5-May-98	<10	<500	<2	1.3	<10	<10	<200	13	<50	<20	<10	<10	<40	720	0.34
MW-10	18-Aug-98	<10	<500	<2	4.9	<10	<10	<200	<10	<50	<20	<10	<10	<40	150	<.2
MW-10	10-Sep-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-10	6-Oct-98	<10	<500	<2	1.2	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-10	8-Dec-98	<10	<500	<2	2	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-10	11-Jan-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-10	8-Feb-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-10 (dup)	8-Feb-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-10	16-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-10	2-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.3
MW-10	12-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-10	20-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-10	17-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-10	3-Dec-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-10	12-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-10	5-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.5
MW-10 (dup)	5-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.4
MW-10	17-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.4
MW-10	4-Nov-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-10	14-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-10	16-Nov-04	<10	<500	<2	2.0	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-10	21-Apr-05	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-10	11-Nov-05	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	1.1
MW-10	14-Apr-06	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-10	9-Nov-06	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-10	19-Apr-07	<10	<100	<1	<1	<10	<10	<10	<10	<50	<10	<10	<5	<25	<10	0.38
MW-10d	8-Jun-01	<10	<100	<10	<10	<10	<10	30	<10	<40	<10	<10	<10	<50	<20	0.3
MW-10d	4-Dec-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-10d	9-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-10d	5-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-10d	17-Apr-03	10.9	<500	<2	1.1	10.1	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-10d	4-Nov-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-10d	26-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-10d	18-Nov-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-10d	21-Apr-05	<10	<500	<2	5.0	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-10d	11-Nov-05	<10	<500	<2	5.0	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-10d	14-Apr-06	<10	<500	<2	4.0	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-10d	10-Nov-06	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-10d	20-Apr-07	<10	<100	<1	<1	<10	<10	<10	<10	<50	<10	<10	<5	<25	<10	<.2
MW-22	9-Jun-97	<10	<500	<2	2.9	<10	130	<200	<10	66	<20	<10	<10	<40	<50	<.2
MW-22	18-Aug-97	11.9	<500	<2	4.4	<10	229	<200	14.3	164	<20	<10	<10	<40	68.6	<.2
MW-22	2-Nov-97	<10	<500	<2	1.5	<10	210	<200	12	130	<20	<10	<10	<40	230	<.2
MW-22	6-May-98	<10	<500	<2	<1	<10	110	<200	<10	51	<20	<10	<10	<40	80	<.2
MW-22	18-Aug-98	<10	<500	<2	9.6	<10	110	<200	<10	<50	<20	<10	<10	<40	210	<.2
MW-22	10-Sep-98	<10	<500	<2	<1	<10	100	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-22	6-Oct-98	<10	<500	<2	<1	<10	99	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-22	8-Dec-98	<10	<500	<2	1.9	<10	130	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-22	11-Jan-99	<10	<500	<2	1.5	<10	202	<200	<10	55	<20	<10	<10	<40	<50	<.2
MW-22	8-Feb-99	<10	<500	<2	2	<10	168	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-22	16-Apr-99	<10	<500	<2	4.1	10.1	261	<200	21	70.9	<20	<10	<10	<40	<50	<.2
MW-22	2-Dec-99	<10	<500	<2	7.4	<10	160	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-22	12-Apr-00	<10	<500	<2	6.1	<10	98.1	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-22	20-Dec-00	<10	<500	<2	2.4	<10	60.7	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-22	17-Apr-01	<10	<500	<2	1.2	<10	31.4	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-22	5-Dec-01	<10	<100	<10	<10	<10	26.9	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-22	9-Apr-02	<10	<100	<10	2.1	<10	63.5	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-22	6-Nov-02	<10	<100	<10	1.2	<10	26.5	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-22	17-Apr-03	<10	<100	<10	<1	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.25
MW-22	5-Nov-03	<10	<100	<10	1.19	11.1	30.1	<10	12.9	<40	<10	<10	<10	<50	<20	<.25
MW-22	26-Apr-04	<10	<100	<10	<1	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.25
MW-22	18-Nov-04	<10	<500	<2	3	<10	15	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-22	22-Apr-05	<10	<500	3	3	17	48	<200	62	<50	<20	<10	<10	<40	166	<.5
MW-22	11-Nov-05	<10	<500	<2	2	<10	13	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-22	14-Apr-06	<10	<500	<2	2	<10	12	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-22	10-Nov-06	<10	<500	<2	2	<10	15	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-22	20-Apr-07	<10	<100	<1	2	<10	<10	<10	<10	<50	<10	<10	<5	<25	20	<.2

Table 4a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
NC Standard		50	2000	2*	1.75	50	2*	1000	15	100	50	17.5	2000*	25*	1050	1.05
MW-23	9-Jun-97	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-23	18-Aug-97	10.3	<500	<2	2.3	<10	14.2	<200	18.8	59.1	<20	<10	<10	<40	<50	<.2
MW-23	2-Nov-97	<10	600	4.7	2.6	54	35	<200	56	110	<20	<10	<10	170	260	<.2
MW-23	5-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-23	18-Aug-98	<10	<500	<2	5.4	24	10	<200	17	<50	<20	<10	<10	50	150	<.2
MW-23	10-Sep-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-23	6-Oct-98	<10	<500	<2	1.6	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.26
MW-23	8-Dec-98	<10	<500	<2	1.7	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-23 (dup)	8-Dec-98	<10	<500	<2	2.3	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-23	11-Jan-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.20
MW-23	8-Feb-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.20
MW-23	16-Apr-99	<10	<500	<2	<1	11.2	<10	<200	23.8	<50	<20	<10	<10	<40	<50	0.7
MW-23	2-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.2
MW-23 (dup)	2-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-23	12-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	1.1
MW-23	20-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-23	17-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-23	4-Dec-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-23	11-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-23	6-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-23	17-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-23 (dup)	17-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-23	5-Nov-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-23	26-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-23	18-Nov-14	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-23	21-Apr-05	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-23	11-Nov-05	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-23	14-Apr-06	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-23	9-Nov-06	<10	<500	<2	<1	13	<10	<200	39	<50	<20	<10	<10	<40	133	<.5
MW-23	20-Apr-07	<10	133	2	<1	10	<10	23	29	<50	<10	<10	<5	28	102	<.2
MW-23d	5-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	80	<.2
MW-23d	18-Aug-98	<10	<500	<2	4	<10	<10	<200	<10	<50	<20	<10	<10	<40	63	<.2
MW-23d	10-Sep-98	<10	<500	<2	1.6	<10	<10	<200	11	<50	<20	<10	<10	<40	<50	<.2
MW-23d	6-Oct-98	<10	<500	<2	2.0	<10	<10	<200	<10	<50	<20	<10	<10	<40	60	0.22
MW-23d	8-Dec-98	<10	<500	<2	1.8	<10	<10	<200	<10	<50	<20	<10	<10	<40	83	<.2
MW-23d	11-Jan-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-23d	8-Feb-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-23d	16-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-23d	2-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-23d	12-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-23d	20-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.8
MW-23d	17-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-23d	4-Dec-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-23d	11-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-23d	6-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-23d	17-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-23d	5-Nov-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-23d	26-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-23d	18-Nov-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-23d	21-Apr-05	<10	<500	<2	2	<10	<10	<200	12	<50	<20	<10	<10	<40	55	<.5
MW-23d	11-Nov-05	<10	<500	<2	1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-23d	14-Apr-06	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-23d	9-Nov-06	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-23d	20-Apr-07	<10	<100	<1	<1	<10	<10	<10	<10	<50	<10	<10	<5	<25	<10	<.2
MW-24	9-Jun-97	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-24	18-Aug-97	<10	<500	<2	1.7	<10	11.2	<200	<10	<50	<20	<10	<10	<40	52.8	<.2
MW-24	1-Nov-97	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	66	<.2
MW-24 (dup)	1-Nov-97	<10	<500	<2	<1	<10	<10	<200	12	<50	<20	<10	<10	<40	91	0.25
MW-24	5-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-24	18-Aug-98	<10	<500	<2	4.7	<10	<10	<200	16	<50	<20	<10	<10	<40	180	<.2
MW-24 (dup)	18-Aug-98	11	<500	2.1	8.9	12	11	<200	22	<50	<20	<10	<10	<40	290	<.2
MW-24	10-Sep-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.44
MW-24	6-Oct-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.68
MW-24	8-Dec-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.62
MW-24	8-Dec-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.62
MW-24	11-Jan-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.50
MW-24	16-Apr-99	<10	<500	<2	<1	<10	<10	<200	13.7	<50	<20	<10	<10	<40	53.1	0.4
MW-24	2-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-24	12-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.3
MW-24	20-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-24	16-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.3
MW-24 (dup)	16-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-24	3-Dec-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-24	12-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-24	5-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-24	17-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.4
MW-24	4-Nov-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-24	14-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-24	18-Nov-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	68	1.2
MW-24	21-Apr-05	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.65
MW-24	11-Nov-05	<10	<500	5	<1	11	<10	<200	52	<50	<20	<10	<10	<40	539	2
MW-24	14-Apr-06	<10	<500	3	2	<10	<10	<200	41	<50	<20	<10	<10	<40	492	1.2
MW-24	9-Nov-06	<10	<500	4	<1	10	<10	<200	46	<50	<20	<10	<10	<40	464	1.7
MW-24	19-Apr-07	<10	<100	1	<1	<10	<10	<10	14	<50	<10	<10	<5	<25	112	0.68

Table 4a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
NC Standard		50	2000	2*	1.75	50	2*	1000	15	100	50	17.5	2000*	25*	1050	1.05
MW-27	4-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-27	7-Dec-98	<10	<500	<2	1	21	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-27	29-Apr-99	<10	<500	<2	2.3	<10	19	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-27	3-Dec-99	<10	<500	<2	<1	<10	13.2	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-27	12-Apr-00	<10	<500	<2	1.7	<10	14.5	<200	<10	<50	<20	<10	<10	<40	75.6	0.5
MW-27	18-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-27	12-Apr-02	<10	<500	<2	1.7	<10	10.5	<200	<10	<50	<20	<10	<10	<40	51.8	<.3
MW-27	17-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-27	26-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-27	22-Apr-05	<10	<500	3	1	11	<10	<200	<10	<50	<20	<10	<10	57	216	<.5
MW-27***	11-Nov-05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-27***	14-Apr-06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-28	1-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28	17-Aug-98	<10	<500	<2	5.6	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28	9-Sep-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28	7-Oct-98	<10	<500	<2	8.8	43	24	<200	<10	<50	<20	<10	<10	80	150	<.2
MW-28	9-Dec-98	<10	<500	<2	8.9	39	19	<200	<10	<50	<20	<10	<10	88	140	<.2
MW-28	12-Jan-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28	9-Feb-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28	19-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28	3-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28	12-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28	18-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-28	12-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-28	17-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-28	26-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-28	22-Apr-05	<10	<500	2	<1	33	13	<200	17	<50	<20	<10	<10	67	331	<.5
MW-28	13-Apr-06	<10	<500	<2	<1	12	<10	<200	<10	<50	<20	<10	<10	<40	66	<.5
MW-28	20-Apr-07	<10	<100	<1	<1	11	<10	<10	<10	<50	<10	<10	<5	<25	88	<.2
MW-28d	1-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28d	17-Aug-98	<10	<500	<2	1.3	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28d	9-Sep-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28d	7-Oct-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28d	9-Dec-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.25
MW-28d	12-Jan-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28d (dup)	12-Jan-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28d	9-Feb-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28d	19-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28d	3-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28d	12-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-28d	18-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-28d	12-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-28d	17-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-28d	26-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-28d	22-Apr-05	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-28d	13-Apr-06	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-28d	20-Apr-07	<10	<100	<1	<1	<10	<10	<10	<10	<50	<10	<10	<5	<25	35	<.2
MW-29d	4-May-98	<10	<500	<2	<1	13	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-29d	17-Aug-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-29d	9-Sep-98	<10	<500	<2	1	17	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-29d (dup)	9-Sep-98	<10	<500	<2	<1	11	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-29d	7-Oct-98	<10	<500	<2	2.7	18	<10	<200	<10	<50	<20	<10	<10	<40	53	<.2
MW-29d	9-Dec-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.24
MW-29d	12-Jan-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-29d	9-Feb-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-29d	19-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-29d	3-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-29d	12-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-29d	19-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-29d	18-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-29d	4-Dec-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-29d	11-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-29d	6-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-29d	18-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-29d	5-Nov-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-29d	26-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-29d	18-Nov-04	<10	<500	<2	2	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-29d	22-Apr-05	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-29d	11-Nov-05	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-29d	14-Apr-06	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-29d	10-Nov-06	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-29d	20-Apr-07	<10	<100	<1	<1	<10	<10	16	<10	<50	<10	<10	<5	<25	56	<.2

Table 4a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
NC Standard		50	2000	2*	1.75	50	2*	1000	15	100	50	17.5	2000*	25*	1050	1.05
MW-30	4-May-96	<10	<500	<2	<1	60	19	<200	<10	<50	<20	<10	<10	56	60	<.2
MW-30	17-Aug-96	<10	<500	<2	34	50	19	<200	<10	50	<20	<10	<10	50	190	<.2
MW-30	9-Sep-96	<10	<500	<2	<1	16	<10	<200	<10	50	<20	<10	<10	<40	140	<.2
MW-30	7-Oct-96	<10	<500	<2	1.1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-30	7-Dec-96	<10	<500	<2	2.6	20	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-30	12-Jan-99	<10	<500	<2	<1	20	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-30	9-Feb-99	<10	<500	<2	<1	20	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-30	19-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-30	3-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-30	12-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-30	19-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-30	18-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-30	4-Dec-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-30	11-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-30	6-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-30	17-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-30	5-Nov-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-30	28-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-30	18-Nov-04	<10	<500	<2	<1	108	41	<200	12	71	<20	<10	<10	107	89	<.5
MW-30	21-Apr-05	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-30	11-Nov-05	<10	<500	<2	<1	13	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-30	14-Apr-06	<10	<500	<2	<1	15	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-30	10-Nov-06	<10	<500	<2	<1	32	<10	<200	10	<50	<20	<10	<10	<40	83	<.5
MW-30	20-Apr-07	<10	416	3	<1	43	<10	60	18	<50	<10	<10	<5	44	150	<.2
MW-31	1-May-96	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31	17-Aug-96	<10	<500	<2	14	88	<10	<200	38	82	<20	<10	<10	81	220	<.2
MW-31	9-Sep-96	<10	<500	<2	3.3	42	<10	<200	15	<50	<20	<10	<10	<40	530	<.2
MW-31	7-Oct-96	<10	<500	<2	1.8	10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31	8-Dec-96	<10	<500	<2	2.6	24	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31	11-Jan-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31	8-Feb-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31	19-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31	3-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31	13-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31	19-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31	17-Apr-01	<10	<500	<2	<1	16.5	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-31	6-Dec-01	<10	<100	<10	<10	55	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-31	11-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-31	6-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-31	18-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-31	5-Nov-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-31	28-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-31	18-Nov-04	<10	<500	<2	<1	84	32	<200	14	<50	<20	<10	<10	120	84	<.5
MW-31	21-Apr-05	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-31	11-Nov-05	<10	<500	<2	<1	17	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-31	14-Apr-06	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-31	9-Nov-06	<10	<500	<2	<1	15	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-31	20-Apr-07	<10	<100	<1	<1	<10	<10	<10	<10	<50	<10	<10	<5	<25	<10	<.2
MW-31d	1-May-96	<10	<500	3	<1	110	13	<200	19	68	<20	<10	<10	280	210	<.2
MW-31d	17-Aug-96	<10	<500	<2	8.6	10	<10	<200	<10	<50	<20	<10	<10	<40	94	<.2
MW-31d	9-Sep-96	<10	<500	<2	2.8	25	<10	<200	<10	<50	<20	<10	<10	60	260	<.2
MW-31d	7-Oct-96	<10	<500	<2	2.2	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31d	8-Dec-96	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31d	11-Jan-99	<10	<500	<2	<1	19.1	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31d	8-Feb-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31d	19-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31d	3-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31d	13-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31d	19-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31d	18-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-31d	6-Dec-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-31d	11-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-31d	6-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-31d	18-Apr-03	<10	<500	<2	<1	10.1	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-31d	5-Nov-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-31d	28-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-31d	18-Nov-04	<10	<500	<2	<1	24	<10	<200	<10	<50	<20	<10	<10	50	<50	<.5
MW-31d	21-Apr-05	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-31d	11-Nov-05	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-31d	14-Apr-06	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-31d	9-Nov-06	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-31d	20-Apr-07	<10	<100	<1	<1	<10	<10	<10	<10	<50	<10	<10	<5	<25	10	<.2

Table 4a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
NC Standard		50	2000	2*	1.75	50	2*	1000	15	100	50	17.5	2000*	25*	1050	1.05
MW-32	1-May-98	<10	<500	<2	<1	23	44	<200	<10	<50	<20	<10	<10	41	59	<.2
MW-32	17-Aug-98	<10	<500	<2	5.5	10	31	<200	<10	<50	<20	<10	<10	<40	130	<.2
MW-32	9-Sep-98	<10	<500	<2	5.4	34	45	<200	<10	54	<20	<10	<10	60	240	<.2
MW-32	6-Oct-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<10	NS	NS	NS
MW-32	7-Dec-98	<10	<500	<2	8	40	42	<200	<10	77	<20	<10	<10	74	85	<.2
MW-32	11-Jan-99	<10	<500	<2	<1	<10	26.5	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-32	8-Feb-99	<10	<500	<2	<1	<10	24	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-32	19-Apr-99	<10	<500	<2	<1	<10	28.1	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-32	3-Dec-99	<10	<500	<2	<1	<10	25.1	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-32	13-Apr-00	<10	<500	<2	1.2	<10	40.9	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-32	19-Dec-00	<10	<500	<2	1.0	<10	25.8	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-32	17-Apr-01	<10	<500	<2	<1	<10	22.8	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-32	4-Dec-01	<10	<100	<10	<10	<10	14.7	<10	<10	<40	<10	<10	<10	<50	<20	<.3
MW-32	11-Apr-02	<10	<500	<2	<1	<10	12.1	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-32	6-Nov-02	<10	<500	<2	<1	<10	12.2	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-32	18-Apr-03	<10	<500	<2	1.4	<10	24	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-32	4-Nov-03	<10	<500	<2	<1	<10	10.3	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-32	28-Apr-04	<10	<500	<2	<1	<10	10.5	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-32	18-Nov-04	<10	<500	<2	<1	<10	11	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-32	21-Apr-05	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-32	11-Nov-05	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-32	14-Apr-06	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-32	9-Nov-06	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-32	20-Apr-07	<10	<100	<1	<1	<10	<10	18	<10	<50	<10	<10	<5	<25	21	<.2
TB-1a	1-May-98	<10	<500	<2	1.1	<10	<10	<200	<10	<50	<20	14	<10	<40	50	
TB-1a	17-Aug-98	<10	<500	<2	9.3	21	20	<200	<10	<50	<20	<10	<10	<40	130	<.2
TB-1a	9-Sep-98	<10	<500	<2	2.6	14	16	<200	<10	<50	<20	<10	<10	<40	160	<.2
TB-1a	7-Oct-98	<10	<500	<2	4.0	17	14	<200	<10	<50	<20	<10	<10	<40	<50	<.2
TB-1a (dup)	7-Oct-98	<10	<500	<2	2.1	<10	14	<200	<10	<50	<20	<10	<10	<40	<50	<.2
TB-1a	9-Dec-98	<10	<500	<2	3.0	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.22
TB-1a	11-Jan-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
TB-1a	8-Feb-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
TB-1a	19-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
TB-1a	3-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
TB-1a	13-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
TB-1a	20-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
TB-1a	17-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
TB-1a	3-Dec-01	<10	<100	<10	<10	<10	<10	17.3	<10	<40	<10	<10	<10	<50	<20	<.3
TB-1a	12-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
TB-1a	5-Nov-02	<10	<500	<2	2.2	12.7	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
TB-1a	17-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
TB-1a	4-Nov-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
TB-1a	14-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
TB-1a	18-Nov-04	<10	<500	<2	2.0	20	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
TB-1a	21-Apr-05	<10	<500	<2	2.0	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
TB-1a	11-Nov-05	<10	<500	<2	2.0	12	<10	<200	<10	<50	<20	<10	<10	<40	67	0.95
TB-1a	14-Apr-06	<10	<500	<2	3.0	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	0.88
TB-1a	9-Nov-06	<10	<500	<2	5.0	17	<10	<200	<10	<50	<20	<10	<10	<40	87	2.5
TB-1a	19-Apr-07	<10	205	<1	39	14	<10	88	14	<50	<10	<10	<5	30	262	1.9
TB-1a deep	8-Jun-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
TB-1a deep	6-Dec-01	<10	<100	<10	<10	<10	<10	<10	<10	<40	<10	<10	<10	<50	<20	<.3
TB-1a deep	11-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
TB-1a deep	6-Nov-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
TB-1a deep	18-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
TB-1a deep	4-Nov-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
TB-1a deep	28-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
TB-1a deep	18-Nov-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
TB-1a deep	21-Apr-05	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
TB-1a deep	11-Nov-05	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
TB-1a deep	14-Apr-06	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
TB-1a deep	10-Nov-06	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
TB-1a deep	20-Apr-07	<10	<100	<1	<1	<10	<10	<10	<10	<50	<10	<10	<5	<25	<10	<.2
MW-33	6-Aug-98	<10	<500	<2	5.8	46	18	<200	<10	<50	<20	<10	<10	73	110	<.2
MW-33	7-Dec-98	<10	<500	<2	2.7	18	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-33	25-Apr-99	<10	<500	<2	<1	15.5	<10	<200	<10	<50	<20	<10	<10	<40	58.5	<.2
MW-33	2-Dec-99	<10	<500	<2	<1	18.1	<10	<200	<10	<50	<20	<10	<10	<40	61	<.2
MW-33	13-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-33	18-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-33	9-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-33	16-Apr-03	<10	<500	<2	1.2	26.9	11.8	<200	<10	<50	<20	<10	<10	47.1	71.5	<.25
MW-33	21-Apr-04	<10	<500	<2	<1	10.5	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-33	22-Apr-05	<10	660	3	<1	54	18	<200	32	<50	<20	<10	<10	92	855	<.5
MW-33	14-Apr-06	<10	<500	3	<1	47	15	<200	27	<50	<20	<10	<10	80	699	<.5
MW-33	20-Apr-07	<10	<100	<1	<1	19	<10	14	<10	<50	<10	<10	<5	30	1165	<.2

Table 4a
Detected Groundwater Constituents - Metals
North Wake Unlined Landfill

Monitor Well	Sample Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
NC Standard		50	2000	2*	1.75	50	2*	1000	15	100	50	17.5	2000*	25*	1050	1.05
MW-34	6-Aug-98	<10	<500	4.9	8.4	43	20	<200	<10	64	<20	<10	<10	110	180	<.2
MW-34	7-Dec-98	<10	<500	<2	2.2	14	<10	<200	<10	<50	<20	<10	<10	<40	59	<.2
MW-34	26-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	73.2	<.2
MW-34	2-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-34	13-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-34	18-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-34	9-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-34	16-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-34	21-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	10.3	<40	<50	<.25
MW-34	22-Apr-05	<10	1108	10	1.0	29	<10	<200	33	<50	<20	<10	<10	74	439	<.5
MW-34	13-Apr-06	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-34	20-Apr-07	<10	<100	<1	<1	<10	<10	<10	<10	<50	<10	<10	<5	<25	16	<.2
MW-34d	6-Aug-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-34d (dup)	6-Aug-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-34d	7-Dec-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-34d	26-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-34d	2-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-34d	13-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-34d	18-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-34d	9-Apr-02	<10	<500	<2	<1	12.5	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-34d	16-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-34d	21-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-34d	22-Apr-05	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-34d	13-Apr-06	<10	<500	<2	4	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-34d	20-Apr-07	<10	<100	<1	<1	<10	<10	<10	<10	<50	<10	<10	<5	<25	<10	<.2
MW-35	6-Aug-98	<10	<500	4.3	9.8	47	30	<200	<10	52	<20	<10	<10	120	130	<.2
MW-35	7-Dec-98	<10	<500	<2	4.6	22	15	<200	<10	79	<20	<10	<10	43	74	<.2
MW-35	26-Apr-99	<10	<500	<2	<1	<10	13	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-35	2-Dec-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-35	13-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-35	18-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-35	9-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.3
MW-35	16-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-35	21-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.25
MW-35	22-Apr-05	<10	<500	5	<1	19	<10	<200	18	<50	<20	<10	<10	52	134	<.5
MW-35	13-Apr-06	<10	<500	2	<1	10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-35	20-Apr-07	<10	315	6	1	39	10	55	19	<50	<10	<10	<5	109	149	<.2
SW-2	13-Jun-95	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-2	31-Oct-95	<10	<500	<2	2	<1	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-2	28-Nov-96	<5	25	<1	<1	<2	2	<10	<5	<50	<5	<5	<10	<5	21	<.2
SW-2	21-Apr-97	<5	29	<.3	<1	<5	<5	<5	<5	<5	<10	<5	<10	<5	<20	<.2
SW-2	5-Nov-97	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
SW-2	11-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
SW-2	24-Nov-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
SW-2	14-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
SW-2	9-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-2	16-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-2	29-Oct-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-2	8-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-2	18-Nov-04	<10	<500	<2	1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-2	21-Apr-05	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-2	11-Nov-05	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-2	13-Apr-06	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-2	9-Nov-06	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-2	20-Apr-07	<10	<100	<1	<1	<10	<10	<10	<10	<50	<10	<10	<5	<25	<10	<.2
SW-3	13-Jun-95	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-3	31-Oct-95	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-3	27-Nov-96	<5	33	<1	<1	<2	2	<10	<5	<50	<5	<5	<10	<5	32	<.2
SW-3	21-Apr-97	<5	19	<.3	<1	<5	<5	<5	<5	<5	<10	<5	<10	<5	<20	<.2
SW-3	1-Nov-97	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	56	<.2
SW-3	11-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
SW-3	24-Nov-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
SW-3	14-Apr-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
SW-3	30-Nov-99	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
SW-3	12-Apr-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
SW-3	15-Dec-00	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-3	16-Apr-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-3	29-Nov-01	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-3	9-Apr-02	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-3	16-Apr-03	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-3	29-Oct-03	<10	<500	<2	<1	11.1	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-3	8-Apr-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-3	18-Nov-04	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-3	21-Apr-05	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-3	11-Nov-05	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-3	13-Apr-06	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-3	9-Nov-06	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	
SW-3	20-Apr-07	<10	<100	<1	<1	<10	<10	<10	<10	<50	<10	<10	<5	<25	<10	<.2

All units are in micrograms per liter (parts per billion).
--MW-10 was installed inside landfill fence on April 1, 1998.
--MW-23D was installed on April 27, 1998.
--MW-5 was re-installed on July 24, 1998.
--MW-8 was re-installed on April 11, 2000.
--MW-6d, -8d, 10d, and TB-1a deep installed June 2001.
--MW-5R was installed on January 30, 2004.
*-groundwater protection standard
**-New background well; NS - Not Sampled; dup - duplicate sample
- Concentration exceeds N.C. Groundwater Standards (2L) or grounwater protection standard.
NS - Not Sampled
***-MW-27 was damaged and to be abandoned; well will not be sampled further.

Table 4b
Detected Constituents - Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Benzene	1,2-Dichloroethane	1,1,1-Trichloroethane	Trichloroethene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloropropane	1,1-Dichloroethene	Toluene	Trichlorofluoromethane	Styrene	Methylene Chloride	Ethyl Benzene	Chloromethane	Tetrachloroethene	Total Xylenes	Acetone	Vinyl Chloride	Dichlorodifluoromethane	1,2-Dibromoethane	trans-1,2-Dichloroethene	MEK (2-Butanone)	bis (2-ethylhexyl) Phthalate	3&4-Methylphenol	1,2,3-Trichloropropane
NC Standard		1	0.38	200	2.8	2800	70	70	1.4	70	0.51	7	1000	2100	100	4.6	550	2.6	0.7	530	700	0.02	1400		100	4200		3693.6*	0.01
MW-1	16-Apr-94	<1	<.5	<.5	<.5	<1	<.5	<.5	<1	<.5	<1.0	<.5	<1	<1	<1	<1	<1	<1	<.5	<2	<20	<1			<.5	<20			
MW-1	11-May-94	<1	<.5	<.5	<.5	<1	<.5	<.5	<1	<.5	<1	<.5	<1	<1	<1	<1	<1	<1	<.5	<2	<20	<1			<.5	<20			
MW-1	25-Aug-94	<1	<.5	<.5	<.5	<1	<.5	<.5	<1	<.5	<1	<.5	<1	<1	<1	<1	<1	<1	<.5	<2	<20	<1			<.5	<20			
MW-1	29-Sep-94	<1	<.5	<.5	<.5	<1	<.5	<.5	<1	<.5	<1	<.5	<1	<1	<1	<1	<1	<1	<.5	<2	<20	<1			<.5	<20			
MW-1	13-Jun-95	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<20		
MW-1	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<5	NS	NS	NS	NS		
MW-11**	31-Oct-95	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<20		
MW-11	22-Mar-96	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<20		
MW-11	27-Nov-96	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<2	<25	<1	<5	<1	<1	<25	<10		
MW-11	22-Apr-97	<1	<1	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<5	<1	<2	<20	<1	<1	<1	<1	<20	<5		
MW-11	31-Oct-97	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
MW-11	11-May-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
MW-11	8-Dec-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	24		
MW-11	14-Apr-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	<10	
MW-11	30-Nov-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		
MW-11	5-Apr-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-11	18-Dec-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-11	18-Apr-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-11	27-Nov-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-11	5-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-11	5-Nov-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-11	15-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-11	30-Oct-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-11	21-Apr-04	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10		<15
MW-11	18-Nov-04	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-11	21-Apr-05	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-11	11-Nov-05	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-11	14-Apr-06	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-11	10-Nov-06	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-11	20-Apr-07	<3	<3	<5	<3	<5	<5	<5	<3	<5	<3	<5	<5	<5	<5	<10	<5	<5	<5	<4	<100	<5	<5	<3	<5	<100	<15		<8
MW-11d	31-Oct-95	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<20		
MW-11d	22-Mar-96	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<20		
MW-11d	27-Nov-96	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<1	<1	<2	<25	<1	<5	<1	<1	<25	<10		
MW-11d	22-Apr-97	<1	<1	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1	<1	<5	<1	<5	<1	<2	<20	<1	<1	<1	<1	<20	<5		
MW-11d	31-Oct-97	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
MW-11d	11-May-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
MW-11d	8-Dec-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
MW-11d	14-Apr-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	<10	
MW-11d	30-Nov-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	20		
MW-11d	5-Apr-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-11d	18-Dec-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-11d	18-Apr-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-11d	27-Nov-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-11d	5-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-11d	5-Nov-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-11d	15-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-11d	30-Oct-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-11d	21-Apr-04	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10		<15
MW-11d	18-Nov-04	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-11d	21-Apr-05	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-11d	11-Nov-05	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-11d	14-Apr-06	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-11d	10-Nov-06	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-11d	4/40/2007	<3	<3	<5	<3	<5	<5	<5	<3	<5	<3	<5	<5	<5	<5	<10	<5	<5	<5	<5	<4	<100	<5	<5	<3	<5	<100	24.5	<8
MW-5	6-Mar-94	4.9	<.5	5.3	14	<.5	<.5	2.1	<.5	150	<.5	0.64	<.5	9.2	<.5	17	<.5	<.5	6.3	3.23	<5	2			<.5	<5			
MW-5	15-Apr-94	4.2	1.1	<.5	11.8	35.7	<.5	1.5	<1	99.6	<1	1.2	<1	17.9	<1	11.7	<1	6.7	6.3	<2	<20	<1			<.5	<20			
MW-5	11-May-94	2.4	<.5	<.5	8.2	24	<.5	<.5	<1	74	<1	1.1	2	25	<1	11	<1	6.7	4.9	<2	<20	<1			<.5	<20			
MW-5	31-May-94	3.1	<.5	7.2	8.1	<.5	0.8	1.2	<.5	47	<.5	1.2	<.5	31	<.5	13	<.5	<.5	5.4	2.72	<5	<.5			<.5	<5			
MW-5	10-Jun-94	2.8	<.5	7.0	7.1	24.5	<.5	1.2	<1	71.8	<1	1.4	<1	34.1	<1	12.4	<1	<1	3.8	<2	<20	<1			<.5	<20			
MW-5	30-Sep-94	1.9	<.5	8.9	<.5	18.7	<.5	<.5	<1	41.6	<1	<1	<1	34.7	<1	<1	<1	10.9	4.8	<2	<20	<1			<.5	<20			
MW-5	13-Jun-95	10	<5	<5	10	45	<5	8	<5	<5	<5	<5	<5	<5	<5	20	<5	<10	10	<5	<100	<10	22	<5	196	<100	<20		
MW-5	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	35	NS	NS	NS	NS		
MW-5	31-Oct-95	9	<5	<5	11	51	<5	14	<5	230	<5	<5	<5	<5	<5	18	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<20		
MW-5 (dup)	31-Oct-95	9	<5	<5	16	53	<5	14	<5	210	<5	<5	<5	<5	<5	16	<5	<10	9	<5	<100	<10	<5	<5	<5	<100	<20		
MW-5	30-Jan-96	10	<5	<5	17	60	<5	23	<5	198	<5	<5	<5	<5	<5	<10	<5	<10	7	<5	<100	<10	16	<5	<5	<100	<20		
MW-5	26-Nov-96	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
MW-5	22-Apr-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
MW-5	1-Nov-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
MW-5	6-May-98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
MW-5	8-Dec-98	7.9	<5	<5	17	20	<5	15	6.0	74	<5	<5	<5	<5	<10	79	<5	<10	11	5.5	<100	<10	10	<5	<5	<100	<5.2		
MW-5	16-Apr-99	8	<10	<10	14	22	<10	42	<10	87	<10	<10	<10	<10	<10	100	<10	<10	8	<20	<250	<10	<10	<10	<10	<250	<10	26	
MW-5	2-Dec-99	6	<5	<5	10	<10	<5	72	<5	80	<5	<5	<5	<5	<10	<10	<5	<10	6	<10	<125	<10	<25	<5	<5	<125	<10		
MW-5	11-Apr-00	6	<5	<5	22	14	<5	34	11.0	70	<5	<5	<5	<5	<10	<10	<5	<10	10	<10	<125	<10	<25	<5	<5	<125	<10		140
MW-5	20-Dec-00	<5	<5	<5	14	<10	<5	17	<5	30	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-5	16-Apr-01	<5	<5	<5	17	<10	<5	29	7.0	44	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-5	3-Dec-01	<5	<5	<5	12	<10	<5	20	<5	31	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-5	12-Apr-02	<5	<5	<5	18	<10	<5	33	7.0	32	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-5	5-Nov-02	<5	<5	<5	15	10	<5	31	6.0	25	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-5	17-Apr-03	<5	<5	<5	11	<10	<5	44	14.0	24	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-5	4-Nov-03	<5	<5	<5	<5	<10	<5	<5	8	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	540	<10	<5	<5	<5	360	<10		<15
MW-5	4-Nov-03	<5	<5	<5	<5	<10	<5	<5	8	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	460	<10	<5	<5	<5	360	<10		<15
MW-5	14-Apr-04	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4	1000	<4	<4	<4	<4	<4	<4	<12	<100	<4	<4	<4	<4	<20	<10		<4
MW-5	18-Nov-04	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-5	21-Apr-05	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-5	11-Nov-05	<5	<5	<5	<5	<10	<5	6	8.2	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-5	14-Apr-06	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-5	9-Nov-06	<5	<5	<5	<5	<10	<5	8.8	5.8	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-5	19-Apr-07	<3	<3	<5	<3	<5	<5	6.7	6.8	6.9	<3	<5	<5	<5	<10	<5	<5	<5	<5	<4	<100	<5	<5	<3	<5	<100	<15		<8
MW-5R	21-Apr-04	<10	<10	<10	<10	<10	<10	56.2	16.5	13.1	<10	<10	<10	<10	<20	<20	<10	<20	<10	<5	<200	<20	<10	<10	<10	<200	<10		<30

Table 4b
Detected Constituents - Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Benzene	1,2-Dichloroethane	1,1,1-Trichloroethane	Trichloroethene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloropropane	1,1-Dichloroethene	Toluene	Trichlorofluoromethane	Styrene	Methylene Chloride	Ethyl Benzene	Chloromethane	Tetrachloroethene	Total Xylenes	Acetone	Vinyl Chloride	Dichlorodifluoromethane	1,2-Dibromoethane	trans-1,2-Dichloroethene	MEK (2-Butanone)	bis (2-ethylhexyl) Phthalate	3&4-Methylphenol	1,2,3-Trichloropropane
NC Standard		1	0.38	200	2.8	2800	70	70	1.4	70	0.51	7	1000	2100	100	4.6	550	2.6	0.7	530	700	0.02	1400		100	4200		350.5*	0.01
MW-6	6-Mar-94	1.7	<.5	5.9	4.8	<.5	0.83	<.5	<.5	34	<1	0.99	<.5	3.8	<.5	37	<.5	<.5	3.4	2.42	<5	<.5			<.5	<5			
MW-6	15-Apr-94	<1	<.5	<.5	2.1	3.6	<.5	<.5	<1	12.5	<1	<.5	<1	2.6	<1	21	<1	1.2	1.9	<2	<20	<1			<.5	<20			
MW-6	11-May-94	<1	<.5	<.5	4.9	16.4	<.5	<.5	<1	28.7	<1	<.5	<1	2.6	<1	64.2	<1	1.2	2.3	<2	<20	<1			<.5	<20			
MW-6 (dup)	1-Jun-94	3.7	<.5	14	7.5	<.5	4.3	<.5	<.5	50	<.5	<.5	<.5	11	<.5	130	<.5	<1	7	16.5	<5	<.5			<.5	<5			
MW-6	25-Aug-94	<1	<.5	<.5	<5	22	<.5	<.5	<1	36	<1	<.5	<1	<5	<1	79.5	<1	<1	<5	<2	<20	<1			<.5	<20			
MW-6	29-Sep-94	2	<.5	1.4	<.5	18	<.5	<.5	<1	34	<1	<.5	<1	<1	<1	6.1	<1	56	3	<2	<20	<1			<.5	<20			
MW-6	13-Jun-95	<5	<5	<5	6	19	<5	<5	<5	28	<5	<5	<5	<5	<5	61	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<20		
MW-6	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<5	NS	NS	NS	NS		
MW-6	31-Oct-95	<5	<5	<5	6	22	<5	<5	<5	32	<5	<5	<5	<5	<5	56	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<20		
MW-6	30-Jan-96	6	<5	<5	11	37	<5	<5	<5	51	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<20		
MW-6	29-Nov-96	<10	<10	<10	16	34	<10	<10	<10	41	<10	<10	<10	<10	<10	91	<10	<10	<10	<20	<250	<10	<50	<10	<10	<250	<10		
MW-6	22-Apr-97	5.4	<1	<1	15	37	<5	5.7	<1	29	<1	<1	<1	<1	<1	86	<1	<5	<1	<2	<20	<1	<1	<1	<1	<20	<5		
MW-6	2-Nov-97	6.1	<5	<5	16	28	<5	7.8	<5	28	<5	<5	<5	<5	<10	90	<5	<10	5.2	<5	<100	<10	<5	<5	<5	<100	<5		
MW-6	6-May-98	<10	<10	<10	17	29	<10	13	<10	34	<10	<10	<10	<10	<20	140	<10	<20	<10	<10	<200	<20	<10	<10	<10	<200	<5		
MW-6 (dup)	6-May-98	<10	<10	<10	19	30	<10	14	<10	35	<10	<10	<10	<10	<20	140	<10	<20	<10	<10	<200	<20	<10	<10	<10	<200	<5		
MW-6	8-Dec-98	<10	<10	<10	19	28	<10	14	<10	40	<10	<10	<10	<10	<20	180	<10	<20	<10	<10	<200	<20	<10	<10	<10	<200	<5		
MW-6	15-Apr-99	5	<10	<10	11	16	<10	<10	<10	28	<10	<10	<10	<10	<20	110	<10	<20	<10	<10	<250	<20	<10	<10	<10	<250	<10	<10	
MW-6	2-Dec-99	<5	<5	<5	6	<10	<5	7	<5	12	<5	<5	<5	<5	<10	67	<5	<10	<5	<10	<125	<10	<25	<5	<5	<125	<10		
MW-6	11-Apr-00	<5	<5	<5	6	<10	<5	7	<5	12	<5	<5	<5	<5	<10	83	<5	<10	<5	<10	<125	<10	<25	<5	<5	<125	<10		<15
MW-6	19-Dec-00	<5	<5	<5	<5	<10	<5	<5	<5	8	<5	<5	<5	<5	<10	20	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-6	16-Apr-01	<5	<5	<5	<5	<10	<5	6	<5	8	<5	<5	<5	<5	<10	48	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-6	3-Dec-01	<5	<5	<5	<5	<10	<5	6	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-6	12-Apr-02	<5	<5	<5	<5	<10	<5	5	<5	7	<5	<5	<5	<5	<10	29	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-6	5-Nov-02	<5	<5	<5	<5	<10	<5	5	<5	<5	<5	<5	<5	<5	<10	10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-6	17-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	13		<15
MW-6	4-Nov-03	<5	<5	<5	<5	<10	<5	6	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-6	14-Apr-04	<5	<5	<5	<5	<10	<5	5.7	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10		<15
MW-6	18-Nov-04	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-6	21-Apr-05	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-6	11-Nov-05	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-6	14-Apr-06	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-6	9-Nov-06	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-6	19-Apr-07	<3	<3	<5	<3	<5	<5	<5	<3	<5	<3	<5	<5	<5	<10	<5	<5	<5	<5	<4	<100	<5	<5	<3	<5	<100	<15		<8
MW-6d	8-Jun-01	<5	<5	<5	<5	<10	<5	6	<5	8	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-6d	4-Dec-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-6d	9-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-6d	7-Nov-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-6d	16-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-6d	4-Nov-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-6d	21-Apr-04	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10		<15
MW-6d	18-Nov-04	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-6d	21-Apr-05	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-6d	11-Nov-05	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-6d	14-Apr-06	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-6d	9-Nov-06	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-6d	20-Apr-07	<3	<3	<5	<3	<5	<5	<5	<3	<5	<3	<5	<5	<5	<10	<5	<5	<5	<5	<4	<100	<5	<5	<3	<5	<100	<15		<8
MW-7	6-Mar-94	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<5	<.5			<.5	<5			
MW-7	15-Apr-94	<1	<.5	<.5	<1	<1	<.5	<.5	<1	<.5	<1	<.5	<1	<1	<1	<1	<1	<1	<.5	<2	<20	<1			<.5	<20			
MW-7	11-May-94	<1	<.5	<.5	<1	<1	<.5	<.5	<1	<.5	<1	<.5	<1	<1	<1	<1	<1	<1	<.5	<2	<20	<1			<.5	<20			
MW-7	31-May-94	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<.5	<5	<.5			<.5	<5			
MW-7	25-Aug-94	<1	<.5	<.5	<1	<1	<.5	<.5	<1	<.5	<1	<.5	<1	<1	<1	<1	<1	<1	<.5	<2	<20	<1			<.5	<20			
MW-7	29-Sep-94	<1	<.5	<.5	<1	<1	<.5	<.5	<1	<.5	<1	<.5	<1	<1	<1	<1	<1	<1	<.5	<2	<20	<1			<.5	<20			
MW-7	13-Jun-95	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<20		
MW-7	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<5	NS	NS	NS	NS		
MW-7	31-Oct-95	<5	<5	<5	<5	11	<5	<5	<5	5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<20		
MW-7	30-Jan-96	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<20		
MW-7	29-Nov-96	<2	<2	<2	5	22	<2	2	<2	9	<2	<2	<2	<2	<2	<2	<2	<2	4	<4	<50	<2	<10	<2	<2	<50	<10		
MW-7	21-Apr-97	<1	<1	<1	<1	19	<5	5.9	<1	11	<1	<1	<1	<1	<1	<1	<1	<5	<1	<2	<20	<1	<1	<1	<1	<20	<5		
MW-7	1-Nov-97	<5	<5	<5	<5	26	<5	6.2	<5	10	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
MW-7	6-May-98	<5	<5	<5	<5	24	<5	21	<5	17	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
MW-7	8-Dec-98	7.2	<5	<5	5.2	32	<5	36	<5	20	<5	<5	<5	<5	<10	12	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		
MW-7	16-Apr-99	<5	<5	<5	<5	21	<5	24	<5	14	<5	<5	<5	<5	<10	<20	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5.3	<10	
MW-7	2-Dec-99	<5	<5	<5	<5	<10	<5	16	<5	9	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		
MW-7	11-Apr-00	<5	<5	<5	<5	<10	<5	17	<5	8	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-7 (dup)	11-Apr-00	<5	<5	<5	<5	<10	<5	17	<5	8	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	18		<15
MW-7	19-Dec-00	<5	<5	<5	<5	<10	<5	10	<5	5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-7 (dup)	19-Dec-00	<5	<5	<5	<5	<10	<5	12	<5	6	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-7	16-Apr-01	<5	<5	<5	<5	<10	<5	13	<5	8	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	18		<15
MW-7	4-Dec-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-7	9-Apr-02	<5	<5	<5	<5	<10	<5	7	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-7	6-Nov-02	<5	<5	<5	<5	<10	<5	12	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-7	16-Apr-03	<5	<5	<5	<5	<10	<5	24	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-7	5-Nov-03	<5	<5	<5	<5	<10	<5	15	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-7	21-Apr-04	<5	<5	<5	<5	<10	<5	18.3	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10		<15
MW-7 (dup)	21-Apr-04	<5	<5	<5	<5	<10	<5	19.9	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10		<15
MW-7	18-Nov-04	<5	<5	<5	<5	<10	<5	16.4	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-7	21-Apr-05	<5	<5	<5	<5	<10	<5	26	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-7	11-Nov-05	<5	<5	<5	<5	<10	<5	12.2	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-7	14-Apr-06	<5	<5	<5	<5	<10	<5	19.3	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-7	9-Nov-06	<5	<5	<5	<5	<10	<5	27.2	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-7	20-Apr-07	<3	<3	<5	<3	<5	<5	24.3	<3	<5	<3	<5	<5	<5	<10	<5	<5	<5	<5	<4	<100	5.4	<5	<3	<5	<100	<15		<8

Table 4b
Detected Constituents - Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Benzene	1,2-Dichloroethane	1,1,1-Trichloroethane	Trichloroethene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloropropane	1,1-Dichloroethene	Toluene	Trichlorofluoromethane	Styrene	Methylene Chloride	Ethyl Benzene	Chloromethane	Tetrachloroethene	Total Xylenes	Acetone	Vinyl Chloride	Dichlorodifluoromethane	1,2-Dibromoethane	trans-1,2-Dichloroethene	MEK (2-Butanone)	bis (2-ethylhexyl) Phthalate	3&4-Methylphenol	1,2,3-Trichloropropane
NC Standard		1	0.38	200	2.8	2800	70	70	1.4	70	0.51	7	1000	2100	100	4.6	550	2.6	0.7	530	700	0.02	1400		100	4200		353.6*	0.01
MW-8	6-Mar-94	6.8	1	16	16	<.5	2.2	7.6	3.2	13	<1	1.3	4	7.3	<.5	450	0.58	<.5	7.5	35.5	<5	0.76			<.5	<5			
MW-8	15-Apr-94	7.9	1.8	<.5	17.5	39.6	1.3	8.9	4.9	88.6	3	1.5	5	5.1	<1	310	1.4	8.8	8.1	39.7	<20	<1			<.5	<20			
MW-8	11-May-94	5.8	<2.5	<2.5	16	34	<2.5	<2.5	<5	83	<5	<2.5	<5	<5	<1	278	<5	<1	7	27.1	<20	<1			<.5	<20			
MW-8	31-May-94	12	2.6	16	29	<.5	1.1	23	13	110	<5	1.6	11	4.4	3.1	310	<.5	<.5	16	89	<5	<.5			<.5	<5			
MW-8	25-Aug-94	<5	<5	<5	<5	51.3	<5	<5	<5	109	<5	<5	<5	<5	<1	400	<5	<1	<5	32	<20	<1			<.5	<20			
MW-8	30-Sep-94	5.8	<.5	8.9	13	35	<2.5	5.8	5.2	86	<5	<2.5	<5	<5	<1	300	<5	12.2	<5	22.8	<20	<1			<.5	<20			
MW-8	13-Jun-95	<5	<5	<5	6	15	<5	<5	<5	36	<5	<5	<5	<5	<5	47	<5	<10	<5	19	<100	<10	<5	<5	<5	<100	<20		
MW-8	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<5	NS	NS	NS	NS		
MW-8	31-Oct-95	6	<5	<5	14	40	8	23	<5	72	<5	<5	<5	<5	<5	137	32	<10	9	<5	<100	<10	8	<5	<5	<100	<20		
MW-8	30-Jan-96	10	<5	<5	23	37	<5	34	<5	71	<5	<5	<5	<5	<5	123	<5	<10	18	58	<100	<10	10	<5	<5	<100	20		
MW-8	29-Nov-96	4	<1	1	12	16	<1	24	3	18	<1	<1	<1	<1	<1	23	<1	<1	13	13	<25	<1	5	8	<1	<25	<10		
MW-8	21-Apr-97	<1	<1	<1	8.1	<5	<1	20	<1	10	<1	<1	<1	<1	<1	18	<1	<5	8.3	<2	<20	<1	<1	<1	<1	<20	8		
MW-8	2-Nov-97	<5	<5	<5	5.2	<10	<5	22	<5	8.3	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
MW-8	6-May-98	5.7	<5	<5	8.7	<10	<5	58	<5	16	<5	<5	<5	<5	<10	13	<5	<10	7.8	6.1	<100	<10	<5	<5	<5	<100	<5		
MW-8	8-Dec-98	<5	<5	<5	5.2	<10	<5	37	<5	7.9	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
MW-8	18-Apr-99	<5	<5	<5	6	<10	<5	55	6	13	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		
MW-8 (dup)	18-Apr-99	<5	<5	<5	<5	<10	<5	41	<5	10	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5	<10	
MW-8	2-Dec-99	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
MW-8	11-Apr-00	<5	<5	<5	<5	<10	<5	12	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-8	20-Dec-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-8	16-Apr-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-8	3-Dec-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-8	12-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-8	5-Nov-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-8	17-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	10		<15
MW-8	4-Nov-03	<5	<5	<5	<5	<10	<5	12	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-8	14-Apr-04	<5	<5	<5	<5	<10	<5	7.9	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10		<15
MW-8	18-Nov-04	<5	<5	<5	<5	<10	<5	7.9	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-8	21-Apr-05	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-8	11-Nov-05	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-8	14-Apr-06	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-8	9-Nov-06	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-8	20-Apr-07	<3	<3	<5	<3	<5	<5	18.9	<3	<5	<3	<5	<5	<5	<10	<5	<5	<5	<5	<4	<100	<5	<5	<3	<5	<100	<15		<8
MW-8d	8-Jun-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-8d	4-Dec-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-8d	9-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-8d (dup)	9-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-8d	7-Nov-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-8d	16-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-8d	4-Nov-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-8d	21-Apr-04	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10		<15
MW-8d	18-Nov-04	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-8d	21-Apr-05	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-8d	11-Nov-05	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-8d	14-Apr-06	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-8d	10-Nov-06	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-8d	20-Apr-07	<3	<3	<5	<3	<5	<5	<5	<3	<5	<3	<5	<5	<5	<10	<5	<5	<5	<5	<4	<100	<5	<5	<3	<5	<100	<15		<8
MW-9	6-Mar-94	5.3	<.5	7	9.7	<.5	5.8	<.5	1.5	100	<.5	1.3	6	4.2	<.5	880	0.73	<.5	6.6	15.2	<5	0.96			<.5	<5			
MW-9	15-Apr-94	5.5	<.5	<.5	12.4	14.1	4.8	0.7	2.4	86.8	<1	1.8	1.6	3.6	<1	357	<5	7.3	8.2	17.3	<20	<1			<.5	<20			
MW-9	11-May-94	6.8	<.5	<2.5	13	<5	5	<2.5	<2.5	134	<1	<2.5	<5	<5	<1	357	<5	20.1	7.9	20.5	<20	<1			<.5	<20			
MW-9	31-May-94	8.2	<.5	8.7	14	<.5	6.6	<.5	3.4	170	<.5	1.7	1.7	3.6	<.5	460	<.5	<.5	8.8	23.3	<5	<.5			<.5	<5			
MW-9	25-Aug-94	<5	<.5	<5	<5	<10	<5	<5	<5	165	<1	<2.5	<5	<5	<1	558	<5	<1	<5	<10	<20	<1			<.5	<20			
MW-9	29-Sep-94	7	<.5	6.5	<2.5	<5	5.1	<2.5	<5	131	<1	<2.5	<5	<5	<1	400	<5	<1	8.2	16	<20	<1			<.5	<20			
MW-9	13-Jun-95	11	<5	7	23	20	<5	<5	<5	203	<5	<5	<5	<5	<5	258	<5	<10	11	5	<100	<10	28	<5	<5	<100	<20		
MW-9	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	41	NS	NS	NS	NS		
MW-9	31-Oct-95	15	<5	6	27	29	<5	<5	<5	310	<5	<5	<5	<5	<5	276	<5	<10	14	14	<100	<10	44	<5	<5	<100	<20		
MW-9	30-Jan-96	14	<5	<5	23	22	<5	<5	<5	270	<5	<5	<5	<5	<5	<10	<5	11	8	6	<100	<10	33	<5	<5	<100	<20		
MW-9	29-Nov-96	22	<20	<20	31	<20	<20	<20	<20	280	<20	<20	<20	<20	<20	<100	<20	<20	<20	<40	<500	<20	<100	<20	<20	<500	<10		
MW-9	22-Apr-97	24	<2.5	<2.5	28	<13	<13	<2.5	6.6	220	<2.5	<2.5	<2.5	<2.5	<2.5	<13	<2.5	<13	<2.5	14.2	<50	<2.5	16	<2.5	<2.5	<50	<5		
MW-9	2-Nov-97	<25	<25	<25	<25	<50	<25	<25	<25	200	<25	<25	<25	<25	<50	<50	<25	<50	<25	<50	<500	<50	32	<25	<25	<500	<5		
MW-9	6-May-98	17	<12	<12	32	<25	<12	<12	<12	210	<12	<12	<12	<12	<25	<25	<12	<25	13	<12	<250	<25	31	<12	<12	<250	<5		
MW-9	8-Dec-98	14	<10	<10	31	<20	<10	<10	<10	200	<10	<10	<10	<10	<20	<20	<10	<20	13	<10	<200	<20	53	<10	<10	<200	20		
MW-9	16-Apr-99	7	<10	<10	20	<20	<10	<10	<10	140	<10	<10	<10	<10	<20	<20	<10	<10	7	<20	<250	<10	49	<10	<10	<250	12	<10	
MW-9	2-Dec-99	<5	<10	<10	20	<20	<10	<10	<10	120	<10	<10	<10	<10	<20	<50	<10	<10	<10	<20	<250	<10	<50	<10	<10	<250	<10		
MW-9	11-Apr-00	<5	<10	<10	20	<20	<10	<10	<10	110	<10	<10	<10	<10	<20	<50	<10	<10	<10	<20	<250	<10	<50	<10	<10	<250	<10		<15
MW-9	20-Dec-00	<10	<10	<10	18	<10	<10	<10	<10	100	<10	<10	<10	<10	<20	<50	<10	<10	<10	<20	<250	<10	25	<10	<10	<250	<10		<15
MW-9	16-Apr-01	<5	<5	<5	16	<10	<5	6	<5	93	<5	<5	<5	<5	<10	<20	<5	<10	8	<8	<100	<10	20	<5	<5	<100	21		<15
MW-9	3-Dec-01	<5	<5	<5	5	<10	<5	20	<5	100	<5	<5	<5	<5	<10	<20	<5	<10	<5	<8	<100	<10	25	<5	<5	<100	<10		<15
MW-9 (dup)	3-Dec-01	<5	<5	<5	<5	<10	<5	19	<5	89	<5	<5	<5	<5	<10	<20	<5	<10	<5	<8	<100	<10	20	<5	<5	<100	22		<15
MW-9	12-Apr-02	<5	<5	<5	<5	<10	<5	21	<5	97	<5	<5	<5	<5	<10	<20	<5	<10	<5	<8	<100	<10	<5	<5	<5	<100	<10		<15
MW-9	5-Nov-02	<5	<5	<5	<5	<10	<5	20	<5	84	<5	<5	<5	<5	<10	<10	<5	<10	<5	<8	<100	<10	19	<5	<5	<100	<10		<15
MW-9	17-Apr-03	5	<5	<5	<5	<10	<5	29	<5	100	<5	<5	6	<5	<10	<10	<5	<10	<5	<5	<100	<10	19	<5	<5	<100	59		<15
MW-9	4-Nov-03	5	<5	<5	<5	<10	<5	28	<5	83	<5	<5	13	<5	<10	<10	<5	<10	<5	5	<100	<10	<5	<5	<5	<100	<10		<15
MW-9	14-Apr-04	5.89	<2	<2	<2	<2	<2	27	5.5	96	<2	<2	15	<2	<2	<2	2.5	<2	<2	7.4	<50	6.2	11.8	<2	<2	<10	28		<2
MW-9	18-Nov-04	<5	<5	<5	<5	<10	<5	6.4	5.2	73.7	<5	<5	6.6	<5	<10	<10	<5	<10	<5	<5	<100	28.5	13.2		<5	<100	<20		<15
MW-9	21-Apr-05	<5	<5	<5	<5	<10	<5	<5	5.2	66.6	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	29.6	9.5		<5	<100	<20		<15
MW-9	11-Nov-05	<5	<5	<5	<5	<10	<5	<5	6.7	63.1	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	28.8	8.3		<5	<100	<20		<15
MW-9	14-Apr-06	<5	<5	<5	<5	<10	<5	<5	6.9	47.6	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	28.5	<5		<5	<100	<20		<15
MW-9	9-Nov-06	<5	<5	<5	<5	<10	<5	5.9	5.8	39.9	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	23	<5		<5	<100	<20		<15
MW-9	19-Apr-07	4.4	<3	<5	<3	<5	<5	<5	3.4	44.4	<3	<5	<5	<5	<10	<5	<5	<5	<5	<4	<100	32.9	<5	<3	<5	<100	<15		<8

Table 4b
Detected Constituents - Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Benzene	1,2-Dichloroethane	1,1,1-Trichloroethane	Trichloroethene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloropropane	1,1-Dichloroethene	Toluene	Trichlorofluoromethane	Styrene	Methylene Chloride	Ethyl Benzene	Chloromethane	Tetrachloroethene	Total Xylenes	Acetone	Vinyl Chloride	Dichlorodifluoromethane	1,2-Dibromoethane	trans-1,2-Dichloroethene	MEK (2-Butanone)	bis (2-ethylhexyl) Phthalate	3&4-Methylphenol	1,2,3-Trichloropropane
NC Standard		1	0.38	200	2.8	2800	70	70	1.4	70	0.51	7	1000	2100	100	4.6	550	2.6	0.7	530	700	0.02	1400		100	4200		363.5*	0.01
MW-10	6-Mar-94	2.4	<.5	18	9.8	<.5	2.6	<.5	<.5	37	<.5	2.4	<.5	12	<.5	72	<.5	<.5	4.8	26.7	<5	<.5			<.5	<5			
MW-10	15-Apr-94	1.8	2.8	<.5	8	18.1	1.8	<.5	<1	24.2	<1	2.6	<1	<1	<1	67.3	<1	5.5	4.8	16.9	<20	<1			<.5	<20			
MW-10	11-May-94	1.4	2.8	<.5	6.8	15.8	1.7	<.5	<1	23	<1	1.8	<1	15.3	<1	54.8	<1	4	4	6.7	<20	<1			<.5	<20			
MW-10	31-May-94	3.7	<.5	17	15	<.5	3.9	<.5	<.5	57	<.5	2.7	<.5	16	<.5	120	<.5	<.5	8.7	19.1	<5	<.5			<.5	<5			
MW-10	25-Aug-94	<5	<5	18.4	<5	47.7	<5	<.5	<1	72	<1	<5	<1	18	<1	194	8	18.7	9.2	15	<20	<1			<.5	<20			
MW-10	29-Sep-94	4.2	<.5	3.5	19	37.7	3.4	<.5	<1	58.3	<1	3.5	<1	17.1	<1	148	<1	7.2	<1	13.1	<20	<1			<.5	<20			
MW-10	13-Jun-95	7	<5	13	20	53	<5	<5	<5	64	<5	<5	<5	<5	<5	223	<5	13	13	14	<100	<10	16	<5	<5	<100	<20		
MW-10	28-Sep-95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	53	NS	NS	NS	NS		
MW-10	31-Oct-95	<5	<5	14	8	33	<5	10	<5	44	<5	<5	<5	14	<5	47	<5	<10	7	<5	<100	<10	46	<5	<5	<100	<20		
MW-10	30-Jan-96	8	<5	8	18	46	<5	12	<5	101	<5	<5	<5	<5	<5	<10	<5	10	9	8	<100	<10	29	<5	<5	<100	<20		
MW-10	28-Nov-96	<1	<1	<1	2	9	<1	1	<1	12	<1	<1	<1	<1	<1	15	<1	<1	2	<2	<25	<1	<5	<1	<1	<25	<10		
MW-10	22-Apr-97	12	<2.5	<2.5	33	31	<13	20	<2.5	160	<2.5	<2.5	<2.5	<2.5	<2.5	120	<2.5	<13	25	19.6	<50	<2.5	8.5	<2.5	<2.5	<50	7.3		
MW-10	1-Nov-97	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
MW-10	8-Dec-98	<12	<12	<12	19	<25	<12	48	<12	140	<12	<12	<12	<12	<25	270	<12	<25	18	12	<250	<25	<12	<12	<12	<250	<5.1		
MW-10	11-Jan-99	7*	<12.5	<12.5	18	19	<12.5	36	<12.5	140	<12.5	<12.5	<12.5	<12.5	<13	320	<12.5	<13	14	<25	<313	<13	<12.5	<12.5	<12.5	<313	NS		
MW-10	8-Feb-99	9*	<10	<10	21	24	<10	41	<10	140	<10	<10	<10	<10	<10	<50	<10	<10	17	20	<250	<10	<10	<10	<10	<250	NS		
MW-10 (dup)	8-Feb-99	8*	<10	<10	17	20	<10	38	<10	130	<10	<10	<10	<10	<10	<50	<10	<10	13	19*	<250	<10	<10	<10	<10	<250	NS		
MW-10	16-Apr-99	<20	<20	<20	<20	<20	<20	28	<20	160	<20	<20	<20	<20	<20	410	<20	<20	<40	<80	<1000	<20	<20	<20	<20	<1000	16	<10	
MW-10	2-Dec-99	<5	<5	<5	<5	<10	<5	<5	<5	40	<5	<5	<5	<5	<10	77	<5	<5	6	<8	<100	<10	<20	<5	<5	<100	14		
MW-10	12-Apr-00	<5	<5	<5	6	<10	<5	7	<5	46	<5	<5	<5	<5	<10	88	<5	<5	7	<8	<100	<10	<20	<5	<5	<100	<10		<15
MW-10	20-Dec-00	<5	<5	<5	<5	<10	<5	<5	<5	35	<5	<5	<5	<5	<10	40	<5	<5	<5	<8	<100	<10	<5	<5	<5	<100	<10		<15
MW-10	17-Apr-01	<5	<5	<5	<5	<10	<5	<5	<5	34	<5	<5	<5	<5	<10	34	<5	<5	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-10	3-Dec-01	<5	<5	<5	<5	<10	<5	<5	<5	26	<5	<5	<5	<5	<10	18	<5	<5	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-10	12-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	22	<5	<5	<5	<5	<10	18	<5	<5	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-10	5-Nov-02	<5	<5	<5	<5	<10	<5	<5	<5	20	<5	<5	<5	<5	<10	18	<5	<5	8	<5	<100	<10	6	<5	<5	<100	<10		<15
MW-10 (dup)	5-Nov-02	<5	<5	<5	<5	<10	<5	<5	<5	21	<5	<5	<5	<5	<10	18	<5	<5	9	<5	<100	<10	6	<5	<5	<100	<10		<15
MW-10	17-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	26	<5	<5	<5	<5	<10	22	<5	<5	7	<5	<100	<10	5	<5	<5	<100	<10		<15
MW-10	4-Nov-03	<5	<5	<5	<5	<10	<5	<5	<5	26	<5	<5	<5	<5	<10	<10	<5	<5	<5	<5	<100	<10	5	<5	<5	<100	<10		<15
MW-10	14-Apr-04	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<5	<4	<100	<10	5	<5	<5	<100	189		<15
MW-10	18-Nov-04	<5	<5	<5	<5	<10	<5	6.4	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<5	<5	<100	<10	<5		<5	<100	37		<15
MW-10	21-Apr-05	<5	<5	<5	<5	<10	<5	9.9	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-10	11-Nov-05	<5	<5	<5	<5	<10	<5	17.6	<5	5.7	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-10	14-Apr-06	<5	<5	<5	<5	<10	<5	11.9	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-10	9-Nov-06	<5	<5	<5	<5	<10	<5	27.7	<5	7.8	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-10	19-Apr-07	<3	<3	<5	<3	<5	<5	7.4	<3	8.3	<3	<5	<5	<5	<10	<5	<5	<5	<5	<4	<100	<5	<5	<3	<5	<100	24		<5
MW-10d	8-Jun-01	<5	<5	<5	<5	<10	<5	<5	<5	12	<5	<5	<5	<5	<10	18	<5	<5	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-10d	4-Dec-01	<5	<5	<5	<5	<10	<5	<5	<5	17	<5	<5	<5	<5	<10	<10	<5	<5	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-10d	11-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	16	<5	<5	<5	<5	<10	<10	<5	<5	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-10d	5-Nov-02	<5	<5	<5	<5	<10	<5	<5	<5	13	<5	<5	<5	<5	<10	<10	<5	<5	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-10d	17-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	11	<5	<5	<5	<5	<10	<10	<5	<5	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-10d	4-Nov-03	<5	<5	<5	<5	<10	<5	<5	<5	8	<5	<5	<5	<5	<10	<10	<5	<5	<5	<5	<100	<10	<5	<5	<5	<100	13		<15
MW-10d	26-Apr-04	<5	<5	<5	<5	<10	<5	<5	<5	5.9	<5	<5	<5	<5	<10	<10	<5	<5	<5	<4	<100	<10	<5	<5	<5	<100	32.4		<15
MW-10d	18-Nov-04	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<5	<5	<100	<10	<5		<5	<100	43		<15
MW-10d	21-Apr-05	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-10d	11-Nov-05	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-10d	14-Apr-06	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-10d	10-Nov-06	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-10d	20-Apr-07	<3	<3	<5	<3	<5	<5	<5	<3	<5	<3	<5	<5	<5	<10	<5	<5	<5	<5	<4	<100	<5	<5	<3	<5	<100	19.9		<5
MW-22	9-Jun-97	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<20		
MW-22	18-Aug-97	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		
MW-22	2-Nov-97	<5	<5	<5	<5	<10	<5	<5	<5	6.8	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	5.2	<5	<5	<100	<5		
MW-22	6-May-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
MW-22	8-Dec-98	<5	<5	<5	<5	<10	<5	<5	<5	6.6	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5.4		
MW-22	16-Apr-99	<5	<5	<5	<5	<10	<5	<5	<5	8	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	<10	
MW-22	2-Dec-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		
MW-22	12-Apr-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-22	20-Dec-00	<5	<5	<5	<5	<10	<5	<5	<5	9	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-22	17-Apr-01	<5	<5	<5	<5	<10	<5	<5	<5	9	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-22	4-Dec-01	<5	<5	<5	<5	<10	<5	<5	<5	6	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-22	9-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-22	5-Nov-02	<5	<5	<5	<5	<10	<5	<5	<5	5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-22	17-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-22	5-Nov-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-22	26-Apr-04	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10		<15
MW-22	19-Nov-04	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-22	22-Apr-05	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-22	11-Nov-05	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
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MW-22	10-Nov-06	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
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MW-23	18-Aug-97	<5	<5	<5	<5	33	<5	11	<5	93	<5	<5	<5	<5	<10	85	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		
MW-23	2-Nov-97	<5	<5	<5	6.3	26	<5	11	<5	88	<5	<5	<5	<5	<10	40	<5	<10	5.8	<5	<100	<10	<5	<5	<5	<100	<5		
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MW-23	8-Dec-98	<5	<5	<5	<5	<10	<5	<5	<5	7.4	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	8.3		
MW-23 (dup)	8-Dec-98	<5	<5	<5	<5	<10	<5	<5	<5	9.2	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100			
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MW-23	20-Dec-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
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MW-23	4-Dec-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
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Table 4b
Detected Constituents - Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Benzene	1,2-Dichloroethane	1,1,1-Trichloroethane	Trichloroethene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloropropane	1,1-Dichloroethene	Toluene	Trichlorofluoromethane	Styrene	Methylene Chloride	Ethyl Benzene	Chloromethane	Tetrachloroethene	Total Xylenes	Acetone	Vinyl Chloride	Dichlorodifluoromethane	1,2-Dibromoethane	trans-1,2-Dichloroethene	MEK (2-Butanone)	bis (2-ethylhexyl) Phthalate	3&4-Methylphenol	1,2,3-Trichloropropane
NC Standard		1	0.38	200	2.8	2800	70	70	1.4	70	0.51	7	1000	2100	100	4.6	550	2.6	0.7	530	700	0.02	1400		100	4200		3&4.5*	0.01
MW-23d	5-May-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
MW-23d	8-Dec-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	7.8		
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MW-23d	2-Dec-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	10		
MW-23d	12-Apr-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	10		<15
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MW-23d	5-Nov-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-23d	17-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
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MW-27***	11-Nov-05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-27***	14-Apr-06	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
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MW-28d (dup)	12-Jan-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
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Table 4b
Detected Constituents - Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Benzene	1,2-Dichloroethane	1,1,1-Trichloroethane	Trichloroethene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloropropane	1,1-Dichloroethene	Toluene	Trichlorofluoromethane	Styrene	Methylene Chloride	Ethyl Benzene	Chloromethane	Tetrachloroethene	Total Xylenes	Acetone	Vinyl Chloride	Dichlorodifluoromethane	1,2-Dibromoethane	trans-1,2-Dichloroethene	MEK (2-Butanone)	bis (2-ethylhexyl) Phthalate	3&4-Methylphenol	1,2,3-Trichloropropane
NC Standard		1	0.38	200	2.8	2800	70	70	1.4	70	0.81	7	1000	2100	100	4.6	560	2.6	0.7	530	700	0.02	1400		100	4200		353.5*	0.01
MW-29d	4-May-98	<1	<5	<5	<1	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<1	<5	<100	<10	<5	<5	<5	<100	<5		
MW-29d	17-Aug-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-29d	9-Sep-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-29d (dup)	9-Sep-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-29d	7-Oct-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
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MW-31d	17-Aug-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
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MW-31d	7-Oct-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
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MW-31d	13-Apr-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
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MW-31d	28-Apr-04	<5	<5	<5	<5	<10	35.3	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10		<15
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MW-31d	14-Apr-06	<5	<5	<5	<5	<10	33.1	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
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MW-31d	20-Apr-07	<3	<3	<5	<3	<5	37.5	<5	<3	<5	<3	<5	<5	<5	<10	<5	<5	<5	<5	<4	<100	<5	<5	<3	<5	<100	23		<5

Table 4b
Detected Constituents - Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Benzene	1,2-Dichloroethane	1,1,1-Trichloroethane	Trichloroethene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloropropane	1,1-Dichloroethene	Toluene	Trichlorofluoromethane	Styrene	Methylene Chloride	Ethyl Benzene	Chloromethane	Tetrachloroethene	Total Xylenes	Acetone	Vinyl Chloride	Dichlorodifluoromethane	1,2-Dibromoethane	trans-1,2-Dichloroethene	MEK (2-Butanone)	bis (2-ethylhexyl) Phthalate	3&4-Methylphenol	1,2,3-Trichloropropane
NC Standard		1	0.38	200	2.8	2800	70	70	1.4	70	0.61	7	1000	2100	100	4.6	550	2.6	0.7	530	700	0.02	1400		100	4200		3&4.6*	0.01
MW-32	1-May-98	<1	<5	<5	<1	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<1	<5	<100	<10	<5	<5	<5	<100	<5		
MW-32	18-Aug-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-32	9-Sep-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-32	8-Oct-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-32	7-Dec-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5.2		
MW-32	11-Jan-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-32	8-Feb-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS		
MW-32	19-Apr-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	<10	
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MW-32	19-Dec-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-32	17-Apr-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
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MW-32	18-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
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MW-32	9-Nov-06	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
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TB-1a	3-Dec-99	<5	<5	10	<5	11	<5	<5	<5	19	<5	<5	<5	<5	<10	<10	<5	<10	6.0	8	<100	<10	<5	<5	<5	<100	<10		
TB-1a	13-Apr-00	<5	<5	8	5.0	11	<5	<5	<5	22	<5	<5	<5	<5	<10	<10	<5	<10	7.0	11	<100	<10	<5	<5	<5	<100	<10		<15
TB-1a	20-Dec-00	<5	<5	<5	<5	<10	<5	<5	<5	13	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
TB-1a	17-Apr-01	<5	<5	<5	<5	<10	<5	<5	<5	11	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
TB-1a	3-Dec-01	<5	<5	<5	<5	<10	<5	<5	<5	7	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
TB-1a	12-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	8	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
TB-1a	8-Nov-02	<5	<5	<5	<5	<10	<5	<5	<5	9	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
TB-1a	17-Apr-03	<5	<5	<5	8.0	<10	<5	<5	<5	30	<5	<5	<5	<5	<10	<10	<5	<10	7.0	<5	<100	<10	<5	<5	<5	<100	<10		<15
TB-1a	4-Nov-03	<5	<5	<5	<5	<10	8	<5	<5	8	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
TB-1a	14-Apr-04	<5	<5	<5	<5	<10	20.4	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10		<15
TB-1a	18-Nov-04	<5	<5	<5	<5	<10	17.3	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
TB-1a	21-Apr-05	<5	<5	<5	<5	<10	18.8	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
TB-1a	11-Nov-05	<5	<5	<5	<5	<10	24.3	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
TB-1a	14-Apr-06	<5	<5	<5	<5	<10	16.5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
TB-1a	9-Nov-06	<5	<5	<5	<5	<10	25.5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
TB-1a	19-Apr-07	<3	<3	<5	<3	<5	22.5	<5	<3	<5	<3	<5	<5	<5	<10	<5	<5	<5	<5	<4	<100	<5	<5	<3	<5	<100	<15		<8
TB-1a deep	8-Jun-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
TB-1a deep	6-Dec-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
TB-1a deep	11-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
TB-1a deep	8-Nov-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
TB-1a deep	18-Apr-03	<5	<5	<5	<5	<10	8	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
TB-1a deep	4-Nov-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	19		<15
TB-1a deep	28-Apr-04	<5	<5	<5	<5	<10	22	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10		<15
TB-1a deep	18-Nov-04	<5	<5	<5	<5	<10	17.9	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
TB-1a deep	21-Apr-05	<5	<5	<5	<5	<10	25.6	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
TB-1a deep	11-Nov-05	<5	<5	<5	<5	<10	30.6	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
TB-1a deep	14-Apr-06	<5	<5	<5	<5	<10	29.1	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
TB-1a deep	10-Nov-06	<5	<5	<5	<5	<10	35.6	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
TB-1a deep	20-Apr-07	<3	<3	<5	<3	<5	32.4	<5	<3	<5	<3	<5	<5	<5	<10	<5	<5	<5	<5	<4	<100	<5	<5	<3	<5	<100	<15		<8
MW-33	6-Aug-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
MW-33	7-Dec-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
MW-33	28-Apr-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	NS
MW-33	2-Dec-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	NS
MW-33	13-Apr-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-33	18-Apr-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-33	9-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-33	16-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-33	21-Apr-04	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-33	22-Apr-05	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-33	14-Apr-06	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-33	20-Apr-07	<3	<3	<5	<3	<5	<5	<5	<3	<5	<3	<5	<5	<5	<10	<5	<5	<5	<5	<4	<100	<5	<5	<3	<5	<100	<15		<8
MW-34	6-Aug-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5.4		
MW-34	7-Dec-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
MW-34	28-Apr-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	NS
MW-34	2-Dec-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	NS
MW-34	13-Apr-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-34	18-Apr-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-34	9-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-34	16-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-34	21-Apr-04	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-34	22-Apr-05	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-34	14-Apr-06	<5	<5	<5	<5	<10	<5	6.9	<5	12.7	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-34	20-Apr-07	<3	<3	<5	<3	<5	<5	6.2	<3	13.8	<3	<5	<5	<5	<10	<5	<5	<5	<5	<4	<100	<5	<5	<3	<5	<100	<15		<8

Table 4b
Detected Constituents - Volatile Organic Compounds
North Wake Unlined Landfill

Monitor Well	Sample Date	Benzene	1,2-Dichloromethane	1,1,1-Trichloroethane	Trichloroethene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloropropane	1,1-Dichloroethene	Toluene	Trichlorofluoromethane	Styrene	Methylene Chloride	Ethyl Benzene	Chloromethane	Tetrachloroethene	Total Xylenes	Acetone	Vinyl Chloride	Dichlorodifluoromethane	1,2-Dibromoethane	trans-1,2-Dichloroethene	MEK (2-Butanone)	bis (2-ethylhexyl) Phthalate	3&4-Methylphenol	1,2,3-Trichloropropane
NC Standard		1	0.38	200	2.8	2800	70	70	1.4	70	0.51	7	1000	2100	100	4.6	550	2.6	0.7	530	700	0.02	1400		100	4200		35/3.5*	0.01
MW-34d	6-Aug-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	7.3		
MW-34d (dup)	6-Aug-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5.2		
MW-34d	7-Dec-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5.1		
MW-34d	26-Apr-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	NS	NS	NS
MW-34d	2-Dec-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	NS
MW-34d	13-Apr-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-34d	18-Apr-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-34d	9-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-34d	16-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	11	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-34d	21-Apr-04	<5	<5	<5	<5	<10	<5	<5	<5	8.8	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-34d	22-Apr-05	<5	<5	<5	<5	<10	<5	<5	<5	5.7	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-34d	14-Apr-06	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-34d	20-Apr-07	<3	<3	<5	<3	<5	<5	<5	<3	8.9	<3	<5	<5	<5	<10	<5	<5	<5	<5	<4	<100	<5	<5	<3	<5	<100	35		<5
MW-35	6-Aug-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5.2		
MW-35	7-Dec-98	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
MW-35	26-Apr-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	NS
MW-35	2-Dec-99	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	NS
MW-35	13-Apr-00	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-35	18-Apr-01	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-35	9-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-35	16-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10	NS	<15
MW-35	21-Apr-04	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-35	22-Apr-05	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-35	14-Apr-06	<5	<5	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<3	<5	<100	<15		<5
MW-35	20-Apr-07	<3	<3	<5	<3	<5	<5	<5	<3	<5	<3	<5	<5	<5	<10	<5	<5	<5	<5	<4	<100	<5	<5						

All units are in micrograms per liter (parts per billion).
* - Estimated Value
*- N.C. 2L interim standards are for individual isomers; interim standard for 3-methylphenol is 35 ug/l; interim standard for 4-methylphenol is 3.5 ug/l.
**-New background well.
--MW-10 was installed inside the landfill fence on April 1, 1998. MW-23D was installed on April 27, 1998. MW-5 was re-installed on July 24, 1998.
--MW-6d, -8d, -10d, TB-1a deep installed June 2001.
--MW-5R was installed on January 30, 2004.
[ ] - No Data
[ ] - Concentration exceeds N.C. Groundwater Standards (2L).
* - Estimated Value
NS - Not Sampled
***-MW-27 was damaged and to be abandoned; well will not be sampled further.

Table 5a
Appendix II Volatile Organics Detections - April 2007
Unlined Landfill - North Wake

Monitoring Well Number	Detected Constituent	Recorded Concentration*					
		Nov 18, 2004	April 21, 2005	Nov 11, 2005	April 14, 2006	Nov 9, 2006	April 19, 2007
MW-5	Cis-1,2-Dichloroethene	--	--	6.00	--	8.60	6.70
	1,4-Dichlorobenzene**	--	--	9.20	--	5.60	6.80
	1, 1-Dichloroethane	--	--	--	--	--	6.90
MW-6	none						
MW-6D	none						
MW-7	Cis-1,2-Dichloroethene	16.40	26.00	12.20	19.30	27.20	24.30
	Vinyl Chloride	--	--	--	--	--	5.40
MW-8	Cis-1,2-Dichloroethene	--	--	--	--	--	18.90
MW-8D	none						
MW-9	Vinyl Chloride	26.50	29.60	28.80	29.50	23.00	32.90
	1,1-Dichloroethane	73.70	69.60	63.10	47.60	39.90	44.40
	Cis-1,2-Dichloroethene	6.40	--	--	--	5.90	--
	Toluene	6.60	--	--	--	--	--
	1,4-Dichlorobenzene**	5.20	5.20	6.70	6.90	5.80	8.40
	Dichlorodifluoromethane	13.20	9.50	8.30	--	--	--
	Benzene	--	--	--	--	--	4.40
MW-10	Cis-1,2-Dichloroethene	6.40	9.90	17.60	11.90	27.70	7.40
	1,1-Dichloroethane	--	--	5.70	--	7.80	6.30
MW-10D	none						
MW-11	none						
MW-11D	none						
MW-22	none						
MW-23	none						
MW-23D	Chloroform	6.40	6.90	--	--	--	--
MW-24	Chloroform	--	--	7.00	8.50	9.80	11.40
MW-27	NS	NS		NS	NS	NS	
MW-28	none	NS		NS		NS	
MW-28D	none	NS		NS		NS	
MW-29D	none						
MW-30	none						
MW-31	Chloroform	26.50	27.20	38.20	36.60	26.20	23.40
MW-31D	Chloroform	23.80	31.90	34.00	33.10	37.70	37.50
MW-32	none						
MW-33	none	NS		NS		NS	
MW-34	1-1-Dichloroethane	NS		NS	12.70	NS	13.80
	Cis-1,2-Dichloroethene	NS		NS	6.90	NS	6.20
MW-34D	1,1-Dichloroethane	NS	5.70	NS		NS	6.90
MW-35	none	NS		NS		NS	
TB-1A	Bromodichloromethane	--	--	5.10	--	--	--
	Chloroform	17.30	18.80	24.30	18.60	25.50	22.50
TB-1AD	Chloroform	17.90	25.60	30.60	29.10	35.60	32.40
SW-2	none						
SW3	none						

*Concentrations in parts per billion (ppb)
**1,4-Dichlorobenzene was detected above 2L Standards for both wells MW-5 & MW-9 since the standards were revised in April 2005 but not addressed.
-- Below detection limits
NS - Not Sampled

Table 5b
Appendix II Semi-Volatile Organics Detections - April 2007
Unlined Landfill - North Wake

Monitoring Well Number	Detected Constituent	Recorded Concentration*					
		Nov 18, 2004	April 21, 2005	Nov 11, 2005	April 14, 2005	Nov 9, 2006	April 19, 2007
MW-5	none						
MW-6	none						
MW-6D	none						
MW-7	none						
MW-8	none						
MW-8D	none						
MW-9	none						
MW-10	Bis-(2-Ethylhexyl) Phthalate	37.00	--	--	--	--	24
MW-10D	Bis-(2-Ethylhexyl) Phthalate	43.00	--	--	--	--	19.9
MW-11	none						
MW-11D	Bis-(2-Ethylhexyl) Phthalate	--	--	--	--	--	24.5
MW-22	none						
MW-23	none						
MW-23D	none						
MW-24	none						
MW-27	NS	NS		NS	NS	NS	NS
MW-28	none	NS		NS		NS	
MW-28D	none	NS		NS		NS	
MW-29D	Bis-(2-Ethylhexyl) Phthalate	--	--	--	--	--	23
MW-30	Bis-(2-Ethylhexyl) Phthalate	27.70	--	--	--	--	
MW-31	none						
MW-31D	Bis-(2-Ethylhexyl) Phthalate	--	--	--	--	--	23
MW-32	none						
MW-33	none	NS		NS		NS	
MW-34	none	NS		NS		NS	
MW-34D	Bis-(2-Ethylhexyl) Phthalate	--	--	--	--	--	35
MW-35	none	NS		NS		NS	
TB-1A	none						
TB-1AD	none						
SW-2	Not Tested						
SW3	Not Tested						

*Concentrations in parts per billion (ppb)
-- Below detection limits
NS - Not Sampled

Table 5c
Appendix II Pesticides, Herbicides and PCB'S Detections - April 2007
Unlined Landfill - North Wake

Monitoring Well Number	Detected Constituent	Recorded Concentration*					
		Nov 18, 2004	April 21, 2005	Nov 11, 2005	April 14, 2006	Nov 9, 2006	April 19, 2007
MW-5	Beta-BHC	0.384	0.405	–	–	–	–
	Delta-BHC	0.152	0.933	–	–	–	–
	Gamma-BHC (Lindane)	–	0.098	–	–	–	–
MW-6	Alpha-BHC	0.235	0.182	–	–	–	–
	Beta-BHC	–	–	0.310	–	–	–
	Gamma-BHC (Lindane)	–	–	0.053	–	–	–
	Delta-BHC	0.706	0.480	–	–	–	–
	Dieldrin	0.281	–	–	–	–	–
	Dinoseb	–	–	1.720	–	–	–
	Endrin	0.412	–	–	–	–	–
MW-6D	none						
MW-7	Dinoseb	–	1.210	–	–	–	–
MW-8	Alpha-BHC	–	0.132	–	–	–	–
MW-8D	none						
MW-9	Dinoseb	1.800	–	1.400	–	–	–
	Beta-BHC	0.138	0.896	–	–	–	–
	Gamma-BHC (Lindane)	0.051	0.622	–	0.143	0.786	–
MW-10	none						
MW-10D	Dinoseb	–	1.720	–	–	–	–
MW-11	none						
MW-11D	none						
MW-22	none						
MW-23	none						
MW-23D	none						
MW-24	none						
MW-27	NS	NS		NS	NS	NS	NS
MW-28	none	NS		NS		NS	
MW-28D	none	NS		NS		NS	
MW-29D	none						
MW-30	none						
MW-31	none						
MW-31D	none						
MW-32	none						
MW-33	none	NS		NS		NS	
MW-34	none	NS		NS		NS	
MW-34D	none	NS		NS		NS	
MW-35	none	NS		NS		NS	
TB-1A	none						
TB-1AD	none						
SW-2	Not Tested						
SW3	Not Tested						

*Concentrations in parts per billion (ppb)
Concentration in excess of Groundwater (2L) Standard, where published
– Below detection limits
NS - Not Sampled

Table 6a
Statistically Significant Metals
North Wake Unlined Landfill

Monitor Well	Statistical Analysis	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
MW-5	4/21/2005			x			x					x	x			
MW-5	11/11/2005			x			x					x	x			
MW-5	4/14/2006			x			x						x			
MW-5	11/9/2006			x			x						x			
MW-5	4/19/2007			x			x						x			
MW-6	4/21/2005					x							x			x
MW-6	11/11/2005					x							x			x
MW-6	4/14/2006					x							x			x
MW-6	11/9/2006					x							x			x
MW-6	4/19/2007					x							x			x
MW-6D	4/21/2005															
MW-6D	11/11/2005															
MW-6D	4/14/2006															
MW-6D	11/9/2006															
MW-6D	4/19/2007															
MW-7	4/21/2005					x			x				x			
MW-7	11/11/2005					x			x				x			
MW-7	4/14/2006					x			x				x			
MW-7	11/9/2006					x			x				x			
MW-7	4/19/2007					x			x				x			
MW-8	4/21/2005					x							x			
MW-8	11/11/2005					x							x			
MW-8	4/14/2006					x							x			
MW-8	11/9/2006					x							x			
MW-8	4/19/2007					x							x			
MW-8D	4/21/2005															
MW-8D	11/11/2005															
MW-8D	4/14/2006															
MW-8D	11/9/2006															
MW-8D	4/19/2007															
MW-9	4/21/2005												x			
MW-9	11/11/2005												x			
MW-9	4/14/2006												x			
MW-9	11/9/2006												x			
MW-9	4/19/2007												x			
MW-10	4/21/2005					x				x	x		x	x	x	
MW-10	11/11/2005					x				x	x		x	x	x	
MW-10	4/14/2006					x				x	x		x	x	x	
MW-10	11/9/2006					x				x	x		x	x	x	
MW-10	4/19/2007					x				x	x		x	x	x	
MW-10D	4/21/2005															
MW-10D	11/11/2005															
MW-10D	4/14/2006															
MW-10D	11/9/2006															
MW-10D	4/19/2007															

*Upgradient well
x - indicates statistically significant constituent

Table 6a
Statistically Significant Metals
North Wake Unlined Landfill

Monitor Well	Statistical Analysis	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
MW-11*	4/21/2005															
MW-11*	11/11/2005															
MW-11*	4/14/2006															
MW-11*	11/9/2006															
MW-11*	4/19/2007															
MW-11D*	4/21/2005															
MW-11D*	11/11/2005															
MW-11D*	4/14/2006															
MW-11D*	11/9/2006															
MW-11D*	4/19/2007															
MW-22	4/21/2005			x	x		x		x	x		x	x			
MW-22	11/11/2005			x	x		x		x	x		x	x			
MW-22	4/14/2006			x	x		x		x	x		x	x			
MW-22	11/9/2006			x	x		x		x	x						
MW-22	4/19/2007			x	x		x		x	x						
MW-23	4/21/2005		x					x	x	x	x	x	x	x		
MW-23	11/11/2005		x					x	x	x	x	x	x	x		
MW-23	4/14/2006		x					x	x	x	x	x	x	x		
MW-23	11/9/2006		x					x	x	x	x					
MW-23	4/19/2007		x					x	x	x	x					
MW-23D	4/21/2005		x					x		x	x	x	x			
MW-23D	11/11/2005		x					x			x		x			
MW-23D	4/14/2006															
MW-23D	11/9/2006															
MW-23D	4/19/2007															
MW-24	4/21/2005		x					x	x	x	x	x	x			
MW-24	11/11/2005		x					x	x		x	x	x			
MW-24	4/14/2006		x					x	x		x					
MW-24	11/9/2006		x					x								
MW-24	4/19/2007							x	x							
MW-27	4/21/2005							x								
MW-27	11/11/2005		x					x								
MW-27	4/14/2006		x					x								
MW-27	11/9/2006		x					x			x					
MW-27	4/19/2007		x					x			x					
MW-28	4/21/2005		x					x		x	x	x	x			
MW-28	11/11/2005		x					x	x	x	x	x	x			
MW-28	4/14/2006		x					x			x		x			
MW-28	11/9/2006		x					x		x	x	x	x			
MW-28	4/19/2007		x					x		x	x	x	x			
MW-28D	4/21/2005		x					x		x	x	x	x			
MW-28D	11/11/2005		x					x	x	x	x	x	x			
MW-28D	4/14/2006		x					x			x		x			
MW-28D	11/9/2006		x					x		x	x	x	x			
MW-28D	4/19/2007		x					x		x	x	x	x			

*Upgradient well
x - indicates statistically significant constituent

Table 6a
Statistically Significant Metals
North Wake Unlined Landfill

Monitor Well	Statistical Analysis	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
MW-29D	4/21/2005		x					x		x	x	x	x			
MW-29D	11/11/2005		x					x			x		x			
MW-29D	4/14/2006															
MW-29D	11/9/2006															
MW-29D	4/19/2007															
MW-30	4/21/2005		x		x	x		x		x	x	x	x			
MW-30	11/11/2005		x		x	x		x			x		x			
MW-30	4/14/2006				x											
MW-30	11/9/2006				x											
MW-30	4/19/2007					x										
MW-31	4/21/2005		x			x		x	x	x	x	x	x		x	
MW-31	11/11/2005		x			x		x	x	x	x		x		x	
MW-31	4/14/2006					x			x						x	
MW-31	11/9/2006					x			x						x	
MW-31	4/19/2007					x			x							
MW-31D	4/21/2005		x			x		x	x	x	x	x	x	x		
MW-31D	11/11/2005		x			x		x	x		x		x	x		
MW-31D	4/14/2006													x		
MW-31D	11/9/2006													x		
MW-31D	4/19/2007													x		
MW-32	4/21/2005															
MW-32	11/11/2005															
MW-32	4/14/2006															
MW-32	11/9/2006															
MW-32	4/19/2007															
MW-33	4/21/2005							x								
MW-33	11/11/2005		x					x								
MW-33	4/14/2006															
MW-33	11/9/2006															
MW-33	4/19/2007														x	
MW-34	4/21/2005							x								
MW-34	11/11/2005		x					x								
MW-34	4/14/2006															
MW-34	11/9/2006															
MW-34	4/19/2007															
MW-34D	4/21/2005							x								
MW-34D	11/11/2005		x					x								
MW-34D	4/14/2006															
MW-34D	11/9/2006															
MW-34D	4/19/2007															
MW-35	4/21/2005							x								
MW-35	11/11/2005		x					x		x						
MW-35	4/14/2006															
MW-35	11/9/2006															
MW-35	4/19/2007													x		

*Upgradient well

x - indicates statistically significant constituent

Table 6a
Statistically Significant Metals
North Wake Unlined Landfill

Monitor Well	Statistical Analysis	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
TB-1A	4/21/2005		x					x		x	x	x	x			
TB-1A	11/11/2005		x					x			x	x	x			
TB-1A	4/14/2006							x								
TB-1A	11/9/2006															
TB-1A	4/19/2007				x											
TB-1AD	4/21/2005															
TB-1AD	11/11/2005															
TB-1AD	4/14/2006															
TB-1AD	11/9/2006															
TB-1AD	4/19/2007															
SW-2	4/21/2005															
SW-2	11/11/2005															
SW-2	4/14/2006															
SW-2	11/9/2006															
SW-2	4/19/2007															
SW-3	4/21/2005															
SW-3	11/11/2005															
SW-3	4/14/2006															
SW-3	11/9/2006															
SW-3	4/19/2007															

*Upgradient well
x - indicates statistically significant constituent

Table 6b
Statistically Significant Organic Compounds
North Wake Unlined Landfill

Monitor Well	Statistical Analysis	Benzene	1,2-Dichloroethane	1,1,1-Trichloroethane	Trichloroethene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloropropane	1,1-Dichloroethene	Toluene	Trichlorofluoromethane	Styrene	Methylene Chloride	Ethyl Benzene	Chloromethane	Tetrachloroethene	Total Xylenes	Acetone	Vinyl Chloride	Dichlorodifluoromethane	1,2-Dibromoethane	trans 1,2-Dichloroethene	MEK (2-Butanone)	bis (2-ethylhexyl) Phthalat	3&4-Methylphenol	1,2,3-Trichloropropane
MW-5	4/21/2005				x	x		x		x			x	x											x				
MW-5	11/11/2005				x	x		x		x			x	x											x				
MW-5	4/14/2006				x	x		x		x			x	x											x				
MW-5	11/9/2006				x	x		x		x			x	x											x				
MW-5	4/19/2007				x	x		x		x			x	x											x				
MW-5R**	4/21/2005							x	x						x							x							
MW-5R**	11/11/2005							x	x						x							x							
MW-5R**	4/14/2006							x	x			x			x							x							
MW-5R**	11/9/2006		x					x	x		x	x			x							x							
MW-5R**	4/19/2007							x	x		x	x			x							x							
MW-6	4/21/2005				x	x										x													
MW-6	11/11/2005				x	x										x													
MW-6	4/14/2006				x	x										x													
MW-6	11/9/2006				x	x										x													
MW-6	4/19/2007				x	x										x													
MW-6D	4/21/2005																												
MW-6D	11/11/2005																												
MW-6D	4/14/2006																												
MW-6D	11/9/2006																												
MW-6D	4/19/2007																												
MW-7	4/21/2005							x																					
MW-7	11/11/2005							x																					
MW-7	4/14/2006							x																					
MW-7	11/9/2006							x																					
MW-7	4/19/2007							x																					
MW-8	4/21/2005				x	x		x		x						x			x	x									
MW-8	11/11/2005				x	x		x		x						x			x	x									
MW-8	4/14/2006				x	x		x		x						x			x	x									
MW-8	11/9/2006				x	x		x		x						x			x	x									
MW-8	4/19/2007				x	x		x		x						x			x	x									
MW-8D	4/21/2005																												
MW-8D	11/11/2005																												
MW-8D	4/14/2006																												
MW-8D	11/9/2006																												
MW-8D	4/19/2007																												

*Upgradient well
**This well was only sampled once on April 24, 2004.
x - indicates statistically significant constituent

Table 6b
Statistically Significant Organic Compounds
North Wake Unlined Landfill

Monitor Well	Statistical Analysis	Benzene	1,2-Dichloroethane	1,1,1-Trichloroethane	Trichloroethene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloropropane	1,1-Dichloroethene	Toluene	Trichlorofluoromethane	Styrene	Methylene Chloride	Ethyl Benzene	Chloromethane	Tetrachloroethene	Total Xylenes	Acetone	Vinyl Chloride	Dichlorodifluoromethane	1,2-Dibromoethane	trans 1,2-Dichloroethene	MEK (2-Butanone)	bis (2-ethylhexyl) Phthalat	3&4-Methylphenol	1,2,3-Trichloropropane
MW-9	4/21/2005	x	x	x	x			x	x	x	x	x		x		x	x		x	x	x		x			x			
MW-9	11/11/2005	x	x	x	x			x	x	x	x	x		x		x	x		x	x	x	x	x			x			
MW-9	4/14/2006	x	x	x	x			x	x	x	x	x		x		x	x		x	x	x	x	x			x			
MW-9	11/9/2006	x	x	x	x			x	x	x	x	x		x		x	x		x	x	x	x	x			x			
MW-9	4/19/2007	x	x	x	x			x	x	x	x	x		x		x	x		x	x	x	x	x			x			
MW-10	4/21/2005			x	x	x		x		x				x		x			x	x			x						
MW-10	11/11/2005			x	x	x		x		x				x		x			x	x			x						
MW-10	4/14/2006			x	x	x		x		x				x		x			x	x			x						
MW-10	11/9/2006			x	x	x		x		x				x		x			x	x			x						
MW-10	4/19/2007			x	x	x		x		x				x		x			x	x			x						
MW-10D	4/21/2005																												
MW-10D	11/11/2005																												
MW-10D	4/14/2006																												
MW-10D	11/9/2006																												
MW-10D	4/19/2007																												
MW-11*	4/21/2005																												
MW-11*	11/11/2005																												
MW-11*	4/14/2006																												
MW-11*	11/9/2006																												
MW-11*	4/19/2007																												
MW-11D*	4/21/2005																												
MW-11D*	11/11/2005																												
MW-11D*	4/14/2006																												
MW-11D*	11/9/2006																												
MW-11D*	4/19/2007																												
MW-22	4/21/2005																												
MW-22	11/11/2005																												
MW-22	4/14/2006																												
MW-22	11/9/2006																												
MW-22	4/19/2007																												
MW-23	4/21/2005																												
MW-23	11/11/2005																												
MW-23	4/14/2006																												
MW-23	11/9/2006																												
MW-23	4/19/2007																												

*Upgradient well
**This well was only sampled once on April 24, 2004.
x - indicates statistically significant constituent

Table 6b
Statistically Significant Organic Compounds
North Wake Unlined Landfill

Monitor Well	Statistical Analysis	Benzene	1,2-Dichloroethane	1,1,1-Trichloroethane	Trichloroethene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloropropane	1,1-Dichloroethene	Toluene	Trichlorofluoromethane	Styrene	Methylene Chloride	Ethyl Benzene	Chloromethane	Tetrachloroethene	Total Xylenes	Acetone	Vinyl Chloride	Dichlorodifluoromethane	1,2-Dibromoethane	trans 1,2-Dichloroethene	MEK (2-Butanone)	bis (2-ethylhexyl) Phthalat	3&4-Methylphenol	1,2,3-Trichloropropane
MW-23D	4/21/2005																												
MW-23D	11/11/2005																												
MW-23D	4/14/2006																												
MW-23D	11/9/2006																												
MW-23D	4/19/2007																												
MW-24	4/21/2005	x	x	x	x	x			x	x	x	x	x	x	x	x	x		x	x	x	x		x		x			
MW-24	11/11/2005	x	x	x	x	x			x	x	x	x	x	x	x	x	x		x	x	x	x		x		x			
MW-24	4/14/2006	x	x	x	x	x			x	x	x	x	x	x	x	x	x		x	x	x	x		x		x			
MW-24	11/9/2006	x	x	x	x	x			x	x	x	x	x	x	x	x	x		x	x	x	x		x		x			
MW-24	4/19/2007	x	x	x	x	x	x		x	x	x	x	x	x	x	x	x		x	x	x	x		x		x			
MW-27	4/21/2005																												
MW-27	11/11/2005																												
MW-27	4/14/2006																												
MW-27	11/9/2006																												
MW-27	4/19/2007																												
MW-28	4/21/2005																												
MW-28	11/11/2005																												
MW-28	4/14/2006																												
MW-28	11/9/2006																												
MW-28	4/19/2007																												
MW-28D	4/21/2005																												
MW-28D	11/11/2005																												
MW-28D	4/14/2006																												
MW-28D	11/9/2006																												
MW-28D	4/19/2007																												
MW-29D	4/21/2005																												
MW-29D	11/11/2005																												
MW-29D	4/14/2006																												
MW-29D	11/9/2006																												
MW-29D	4/19/2007																												
MW-30	4/21/2005																												
MW-30	11/11/2005																												
MW-30	4/14/2006																												
MW-30	11/9/2006																												
MW-30	4/19/2007																												

*Upgradient well
**This well was only sampled once on April 24, 2004.
x - indicates statistically significant constituent

Table 6b
Statistically Significant Organic Compounds
North Wake Unlined Landfill

Monitor Well	Statistical Analysis	Benzene	1,2-Dichloroethane	1,1,1-Trichloroethane	Trichloroethene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloropropane	1,1-Dichloroethene	Toluene	Trichlorofluoromethane	Styrene	Methylene Chloride	Ethyl Benzene	Chloromethane	Tetrachloroethene	Total Xylenes	Acetone	Vinyl Chloride	Dichlorodifluoromethane	1,2-Dibromoethane	trans 1,2-Dichloroethene	MEK (2-Butanone)	bis (2-ethylhexyl) Phthalat	3&4-Methylphenol	1,2,3-Trichloropropane
MW-31	4/21/2005				x		x																						
MW-31	11/11/2005						x																						
MW-31	4/14/2006						x																						
MW-31	11/9/2006						x																						
MW-31	4/19/2007						x																						
MW-31D	4/21/2005				x		x																						
MW-31D	11/11/2005						x																						
MW-31D	4/14/2006						x																						
MW-31D	11/9/2006						x																						
MW-31D	4/19/2007						x																						
MW-32	4/21/2005																												
MW-32	11/11/2005																												
MW-32	4/14/2006																												
MW-32	11/9/2006																												
MW-32	4/19/2007																												
MW-33	4/21/2005																												
MW-33	11/11/2005																												
MW-33	4/14/2006																												
MW-33	11/9/2006																												
MW-33	4/19/2007																												
MW-34	4/21/2005																												
MW-34	11/11/2005																												
MW-34	4/14/2006																												
MW-34	11/9/2006																												
MW-34	4/19/2007																												
MW-34D	4/21/2005																												
MW-34D	11/11/2005																												
MW-34D	4/14/2006																												
MW-34D	11/9/2006																												
MW-34D	4/19/2007																												
MW-35	4/21/2005																												
MW-35	11/11/2005																												
MW-35	4/14/2006																												
MW-35	11/9/2006																												
MW-35	4/19/2007																												

*Upgradient well
**This well was only sampled once on April 24, 2004.
x - indicates statistically significant constituent

Table 6b
Statistically Significant Organic Compounds
North Wake Unlined Landfill

Monitor Well	Statistical Analysis	Benzene	1,2-Dichloroethane	1,1,1-Trichloroethane	Trichloroethene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	1,4-Dichlorobenzene	1,1-Dichloroethane	1,2-Dichloropropane	1,1-Dichloroethene	Toluene	Trichlorofluoromethane	Styrene	Methylene Chloride	Ethyl Benzene	Chloromethane	Tetrachloroethene	Total Xylenes	Acetone	Vinyl Chloride	Dichlorodifluoromethane	1,2-Dibromoethane	trans 1,2-Dichloroethene	MEK (2-Butanone)	bis (2-ethylhexyl) Phthalate	3&4-Methylphenol	1,2,3-Trichloropropane
TB-1A	4/21/2005			x																									
TB-1A	11/11/2005			x			x																						
TB-1A	4/14/2006			x			x																						
TB-1A	11/9/2006			x			x																						
TB-1A	4/19/2007			x			x																						
TB-1AD	4/21/2005				x		x																						
TB-1AD	11/11/2005						x																						
TB-1AD	4/14/2006						x																						
TB-1AD	11/9/2006***						x																						
TB-1AD	4/19/2007						x																						
SW-2	4/21/2005																												
SW-2	11/11/2005																												
SW-2	4/14/2006																												
SW-2	11/9/2006																												
SW-2	4/19/2007																												
SW-3	4/21/2005																												
SW-3	11/11/2005																												
SW-3	4/14/2006																												
SW-3	11/9/2006																												
SW-3	4/19/2007																												

*Upgradient well
**This well was only sampled once on April 24, 2004.
x - indicates statistically significant constituent
***TB-1AD was significant for Bromodichloromethane during the November 2006 Sampling Period.

Table 6c
Statistically Significant Pesticides/Herbicides/PCBs
North Wake Unlined Landfill

Monitor Well	Statistical Analysis	Aldrin	Alpha-BHC	Beta-BHC	Delta-BHC	Dieldrin	Dinoseb	Endrin	Gamma-BHC (Lindane)
MW-5	4/21/2005			x	x				
MW-5	11/11/2005			x	x				
MW-5	4/14/2005			x	x				
MW-5	11/9/2006			x	x				
MW-5	4/19/2007			x	x				
MW-6	4/21/2005		x		x	x		x	
MW-6	11/11/2005		x		x	x		x	
MW-6	4/14/2005		x		x	x		x	
MW-6	11/9/2006		x		x	x		x	
MW-6	4/19/2007		x		x	x		x	
MW-6D	4/21/2005								
MW-6D	11/11/2005								
MW-6D	4/14/2006								
MW-6D	11/9/2006								
MW-6D	4/19/2007								
MW-7	4/21/2005								
MW-7	11/11/2005								
MW-7	4/14/2006								
MW-7	11/9/2006								
MW-7	4/19/2007								
MW-8	4/21/2005		x						
MW-8	11/11/2005								
MW-8	4/14/2006								
MW-8	11/9/2006								
MW-8	4/19/2006								
MW-8D	4/21/2005								
MW-8D	11/11/2005								
MW-8D	4/14/2006								
MW-8D	11/9/2006								
MW-8D	4/19/2007								
MW-9	4/21/2005			x			x		x
MW-9	11/11/2005			x			x		x
MW-9	4/14/2006			x			x		x
MW-9	11/9/2006			x			x		x
MW-9	4/19/2007			x			x		x
MW-10	4/21/2005								
MW-10	11/11/2005								
MW-10	4/14/2006								
MW-10	11/9/2006								
MW-10	4/19/2007								
MW-10D	4/21/2005						x		
MW-10D	11/11/2005								
MW-10D	4/14/2006								
MW-10D	11/9/2006								
MW-10D	4/19/2007								
MW-11*	4/21/2005								
MW-11*	11/11/2005								
MW-11*	4/14/2006								
MW-11*	11/9/2006								
MW-11*	4/19/2007								

*Upgradient well
x - indicates statistically significant constituent

Table 6c
Statistically Significant Pesticides/Herbicides/PCBs
North Wake Unlined Landfill

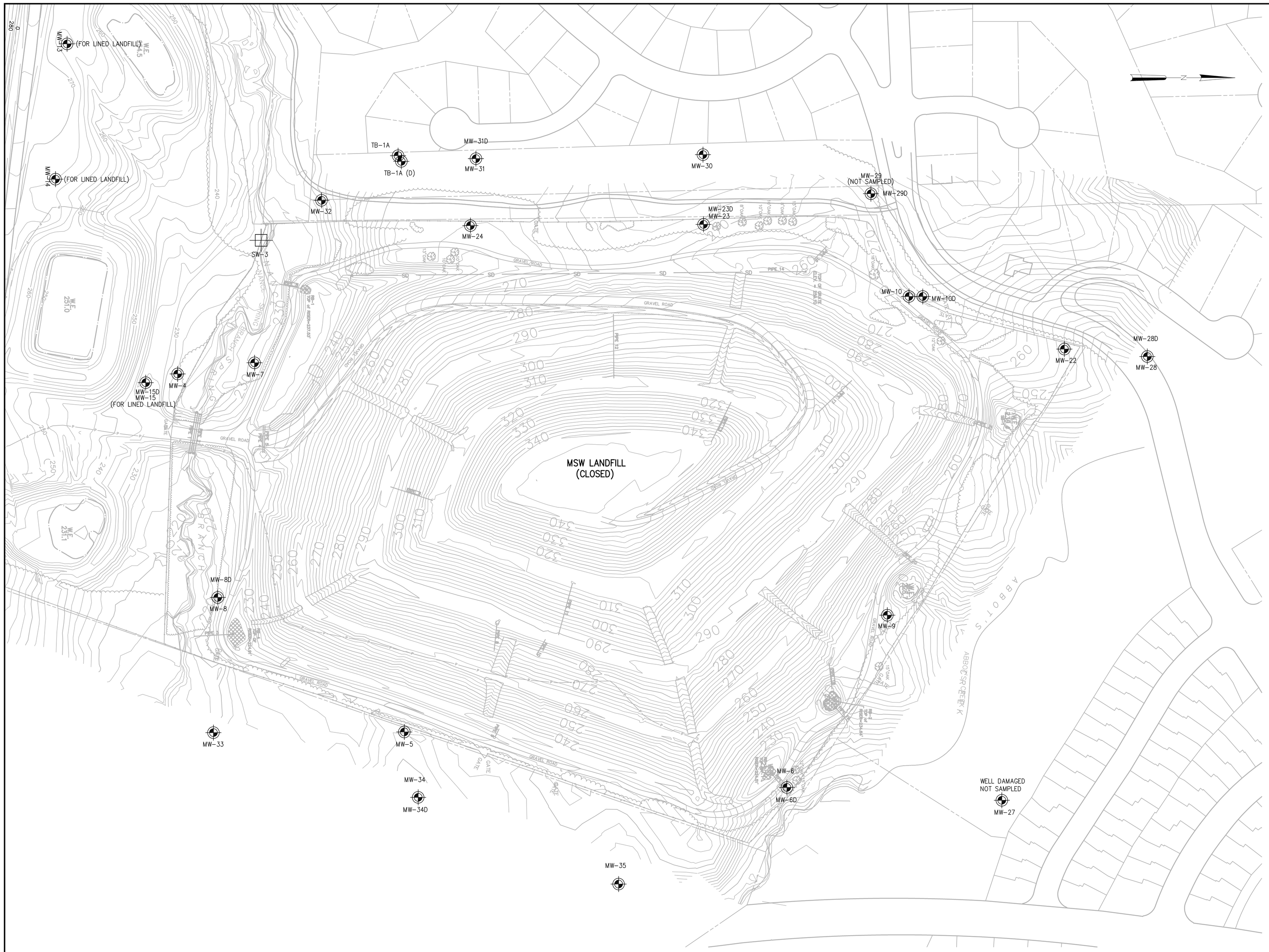
Monitor Well	Statistical Analysis	Aldrin	Alpha-BHC	Beta-BHC	Delta-BHC	Dieldrin	Dinoseb	Endrin	Gamma-BHC (Lindane)
MW-11D*	4/21/2005								
MW-11D*	11/11/2005								
MW-11D*	4/14/2006								
MW-11D*	11/9/2006								
MW-11D*	4/19/2007								
MW-22	4/21/2005								
MW-22	11/11/2005								
MW-22	4/14/2006								
MW-22	11/9/2006								
MW-22	4/19/2007								
MW-23	4/21/2005								
MW-23	11/11/2005								
MW-23	4/14/2006								
MW-23	11/9/2006								
MW-23	4/19/2007								
MW-23D	4/21/2005								
MW-23D	11/11/2005								
MW-23D	4/14/2006								
MW-23D	11/9/2006								
MW-23D	4/19/2007								
MW-24	4/21/2005								
MW-24	11/11/2005								
MW-24	4/14/2006								
MW-24	11/9/2006								
MW-24	4/19/2007								
MW-27	4/21/2005								
MW-27	11/11/2005								
MW-27	4/14/2006								
MW-27	11/9/2006								
MW-27	4/19/2007								
MW-28	4/21/2005								
MW-28	11/11/2005								
MW-28	4/14/2006								
MW-28	11/9/2006								
MW-28	4/19/2007								
MW-28D	4/21/2005								
MW-28D	11/11/2005								
MW-28D	4/14/2006								
MW-28D	11/9/2006								
MW-28D	4/19/2007								
MW-29D	4/21/2005								
MW-29D	11/11/2005								
MW-29D	4/14/2006								
MW-29D	11/9/2006								
MW-29D	4/19/2007								
MW-30	4/21/2005								
MW-30	11/11/2005								
MW-30	4/14/2006								
MW-30	11/9/2006								
MW-30	4/19/2007								

*Upgradient well
x - indicates statistically significant constituent

Table 6c
Statistically Significant Pesticides/Herbicides/PCBs
North Wake Unlined Landfill

Monitor Well	Statistical Analysis	Aldrin	Alpha-BHC	Beta-BHC	Delta-BHC	Dieldrin	Dinoseb	Endrin	Gamma-BHC (Lindane
MW-31	4/21/2005								
MW-31	11/11/2005								
MW-31	4/14/2006								
MW-31	11/9/2006								
MW-31	4/19/2007								
MW-31D	4/21/2005								
MW-31D	11/11/2005								
MW-31D	4/14/2006								
MW-31D	11/9/2006								
MW-31D	4/19/2007								
MW-32	4/21/2005								
MW-32	11/11/2005								
MW-32	4/14/2006								
MW-32	11/9/2006								
MW-32	4/19/2007								
MW-33	4/21/2005								
MW-33	11/11/2005								
MW-33	4/14/2006								
MW-33	11/9/2006								
MW-33	4/19/2007								
MW-34	4/21/2005								
MW-34	11/11/2005								
MW-34	4/14/2006								
MW-34	11/9/2006								
MW-34	4/19/2007								
MW-34D	4/21/2005								
MW-34D	11/11/2005								
MW-34D	4/14/2006								
MW-34D	11/9/2006								
MW-34D	4/19/2007								
MW-35	4/21/2005								
MW-35	11/11/2005								
MW-35	4/14/2006								
MW-35	11/9/2006								
MW-35	4/19/2007								
TB-1A	4/21/2005								
TB-1A	11/11/2005								
TB-1A	4/14/2006			x					
TB-1A	11/9/2006								
TB-1A	4/19/2007								
TB-1AD	4/21/2005								
TB-1AD	11/11/2005								
TB-1AD	4/14/2006								
TB-1AD	11/9/2006								
TB-1AD	4/19/2007								
SW-2	4/21/2005								
SW-2	11/11/2005								
SW-2	4/14/2006								
SW-2	11/9/2006								
SW-2	4/19/2007								
SW-3	4/21/2005								
SW-3	11/11/2005								
SW-3	4/14/2006								
SW-3	11/9/2006								
SW-3	4/19/2007								

*Upgradient well
x - indicates statistically significant constituent



NOTES:

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

GROUNDWATER MONITORING WELL TABLE

WELL DESIGNATION	NORTHING	EASTING	TOP OF CASING ELEVATION	GROUND ELEVATION
TB-1A deep	787099.40	2125573.61	256.04'	256.15'
TB-1A	787092.14	2125561.07	254.40'	254.55'
MW-4	786604.24	2126044.40	226.18'	226.85'
MW-5	787105.96	2126837.20	225.28'	222.85'
MW-6	787958.32	2126957.46	218.82'	216.65'
MW-6D	787949.67	2126966.10	218.61'	216.35'
MW-7	786774.48	2126019.71	233.76	231.25'
MW-8	786692.37	2126543.04	225.66'	223.40'
MW-8D	786693.74	2126535.67	226.26'	223.75'
MW-9	788175.12	2126578.54	242.23'	239.60'
MW-10	788220.69	2125870.16	274.98'	272.00'
MW-10D	788225.35	2125875.53	274.54'	271.80'
MW-15	786532.52	2126066.34	238.67'	236.35'
MW-15D	786534.63	2126061.05	238.75'	236.30'
MW-22	788566.97	2125989.30	255.03'	252.90'
MW-23	787765.92	2125712.66	275.26'	272.60'
MW-23D	787770.70	2125713.62	274.94'	272.50'
MW-24	787252.23	2425715.85	267.03'	264.50'
MW-27	788428.58	2126988.48	215.54'	213.52'
MW-28	788748.66	2126007.97	238.43'	238.55'
MW-28D	788752.53	2126003.65	238.47'	238.75'
MW-29	788137.27	2125643.43	275.08'	275.05'
MW-29D	788140.40	2125647.14	275.42'	274.93'
MW-30	787767.03	2125558.73	282.28'	282.45'
MW-31	787267.81	2125567.53	261.69'	261.90'
MW-31D	787261.06	2125567.69	260.89'	261.62'
MW-32	786922.72	2125659.88	243.00'	239.20'
MW-33	786683.46	2126838.63	221.60'	218.85'
MW-34	787134.13	2126981.06	221.61'	218.63'
MW-34D	787139.15	2126982.97	221.84'	218.68'
MW-35	787580.29	2127174.02	223.12'	220.30'

LEGEND

MW-12 DENOTES GROUNDWATER MONITORING WELL LOCATION, IDENTIFYING NUMBER.

SW-2 DENOTES SURFACE WATER SAMPLING LOCATION

1"=100'-0" 100 50 0 100'

NO.	ISSUED FOR	DATE	BY
6	APRIL 19, 2007 SAMPLING EVENT	6/07	JAB
5	NOVEMBER 9, 2006 SAMPLING EVENT	2/07	JAB
4	APRIL 13, 2006 SAMPLING EVENT	7/06	JAB
3	NOVEMBER 11,2005 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 UNLINED LANDFILL
NEUSE TWP WAKE COUNTY, NORTH CAROLINA

UNLINED MSW LANDFILL
GROUNDWATER 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 GW1
H&S FLAT FILE NO. .

PLOT DATE 02/23/07 10:35am FILE= H:\30547\northwake\GEN\gw001_11-09-06 by ENG XREFs=northwake\00\SP-TP-NORTHWAKE, northwake\00\SP-MONWELL-NORTHWAKE_4-19-05, misc\30547TB_NORTHWAKE_UL,

NOTES:

1. TOPOGRAPHIC INFORMATION FOR CLOSED MSW LANDFILL OBTAINED FROM "COMPREHENSIVE SITE PLAN NORTH WAKE UNLINED 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 UNLINED LANDFILL, NEUSE TOWNSHIP, WAKE COUNTY, NORTH CAROLINA" PREPARED BY TAYLOR, WEISMAN AND TAYLOR, CARY, N.C., DATED FEBUARY 21, 2005.
3. GROUNDWATER DEPTHS MEASURED ON NOVEMBER 09, 2006.

GROUNDWATER MONITORING WELL DATA

MONITORING WELL	TOC ELEVATION (AMSL)	GROUNDWATER ELEVATION APRIL 19, 2007
MW-5	225.28	202.95
MW-6	218.61	206.30
MW-6D	218.61	206.05
MW-7	233.76	225.02
MW-8	225.66	214.96
MW-8D	226.26	214.54
MW-9	242.23	212.65
MW-10(RELOCATED)	274.98	233.41
MW-10D	274.54	229.85
MW-11	342.96	300.21
MW-11D	343.01	300.10
MW-22	255.03	221.47
MW-23	275.26	232.64
MW-23 DEEP	274.94	231.83
MW-24	267.03	224.00
MW-27	215.54	NS
MW-28	238.43	224.19
MW-28D	238.47	224.32
MW-29D	275.42	239.10
MW-30	282.28	233.91
MW-31	261.69	231.74
MW-31D	260.89	231.86
MW-32	243.00	228.09
TB-1A	254.40	228.75
TB-1A DEEP	256.04	228.14
MW-33	221.60	213.60
MW-34	221.61	208.54
MW-34D	221.84	208.35
MW-35	223.12	209.70

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"=100'-0" 100 50 0 100'

NO.	ISSUED FOR	DATE	BY
6	APRIL 19, 2007 SAMPLING EVENT	6/07	JAB
5	NOV. 09, 2006 SAMPLING EVENT	2/07	JAB
4	APRIL 13, 2006 SAMPLING EVENT	7/06	JAB
3	NOVEMBER 11,2005 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
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PROJ. ENGR. JAB
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HAZEN AND SAWYER
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WAKE COUNTY SOLID WASTE MANAGEMENT DIVISION

NORTH WAKE UNLINED LANDFILL
NEUSE TWP WAKE COUNTY, NORTH CAROLINA

POTENTIOMETRIC SURFACE MAP
APRIL 19, 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 GW3
H&S FLAT FILE NO. .

PLOT DATE 07/02/07 4:52pm FILE= H:\30547\northwake\GEN\gw003_4-19-07 by PSELISKER XREFs=misc\30547TB_NORTHWAKE_UL, northwake\00\SP-TP-NORTHWAKE, northwake\00\SP-potent-4-19-07-unlined,

Scanned by	Date	Doc ID #
DCH	8/17/07	RCO 2823

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 Unlined Landfill	9004 Deponie Drive Raleigh, NC 27615	92-09 P0150	.0500	April 19-20, 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	7/12/07 Date	Affix NC Licensed/ Professional Geologist/Engineer Seal here:

NORTH CAROLINA PROFESSIONAL SEAL 19391 ENGINEER JOHN A. BOVE

Revised 01/2007

Environment 1, Incorporated

[redacted]

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6062

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

DATE COLLECTED: 04/19/07
DATE REPORTED : 05/24/07

REVIEWED BY:

PARAMETERS	MW-5	MW-6	MW-8	Analysis Date	Analyst	Method Code
PH (field measurement), Units	6.2	5.9	5.9	04/19/07	RJH	SM4500HB
Antimony, ug/l	<6.0	<6.0	<6.0	04/26/07	LFJ	EPA200.8
Arsenic, ug/l	< 10	< 10	< 10	04/26/07	LFJ	EPA200.8
Barium, ug/l	125	461	< 100	04/26/07	LFJ	EPA200.8
Beryllium, ug/l	<1.0	<1.0	<1.0	04/26/07	LFJ	EPA200.8
Cadmium, ug/l	<1.0	<1.0	<1.0	04/26/07	LFJ	EPA200.8
Cobalt, ug/l	16	89	< 10	04/26/07	LFJ	EPA200.8
Copper, ug/l	< 10	< 10	< 10	04/26/07	LFJ	EPA200.8
Total Chromium, ug/l	< 10	< 10	< 10	04/26/07	LFJ	EPA200.8
Lead, ug/l	< 10	< 10	< 10	04/26/07	LFJ	EPA200.8
Mercury, ug/l	<0.2	<0.2	<0.2	04/26/07	LFJ	EPA200.8
Nickel, ug/l	< 50	< 50	< 50	04/26/07	LFJ	EPA200.8
Selenium, ug/l	< 10	< 10	< 10	04/26/07	LFJ	EPA200.8
Silver, ug/l	< 10	< 10	< 10	04/26/07	LFJ	EPA200.8
Thallium, ug/l	<5.0	<5.0	<5.0	04/26/07	LFJ	EPA200.8
Vanadium, ug/l	< 25	< 25	< 25	04/26/07	LFJ	EPA200.8
Zinc, ug/l	< 10	13	< 10	04/26/07	LFJ	EPA200.8
Conductivity (at 25c), uMhos	742	1184	178	04/19/07	RJH	SM2510B
Temperature, °C	18	15	15	04/19/07	RJH	SM2550B
Static Water Level, feet	22.33	12.31	10.70	04/19/07	RJH	
Well Depth, feet	28.41	22.26	19.83	04/19/07	RJH	

Environment 1, Incorporated

PO BOX 2004 [illegible] DRIVE
GREENVILLE, NC [illegible]
PHONE (252) 756-6208
FAX (252) 756-0630

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

REVIEWED BY:

CLIENT ID: 6062

ANALYST: CHS
DATE COLLECTED: 04/19/07
DATE EXTRACTED: 04/24/07
DATE ANALYZED: 05/02/07
DATE REPORTED: 05/24/07

PESTICIDES AND PCB'S
EPA METHOD 8081A

PARAMETERS, ug/l	MW-5	MW-6	MW-8
1. Aldrin	<0.05	<0.05	<0.05
2. Alpha-BHC	<0.05	<0.05	<0.05
3. Beta-BHC	<0.05	<0.05	<0.05
4. Delta-BHC	<0.05	<0.05	<0.05
5. Gamma-BHC (Lindane)	<0.05	<0.05	<0.05
6. Chlordane	<0.50	<0.50	<0.50
7. 4,4-DDD	<0.10	<0.10	<0.10
8. 4,4-DDE	<0.10	<0.10	<0.10
9. 4,4-DDT	<0.10	<0.10	<0.10
10. Dieldrin	<0.07	<0.07	<0.07
11. Endosulfan I	<0.10	<0.10	<0.10
12. Endosulfan II	<0.10	<0.10	<0.10
13. Endosulfan Sulfate	<0.10	<0.10	<0.10
14. Endrin	<0.10	<0.10	<0.10
15. Endrin Aldehyde	<0.10	<0.10	<0.10
16. Heptachlor	<0.05	<0.05	<0.05
17. Hepthchlor Epoxide	<0.07	<0.07	<0.07
18. Methoxychlor	<1.00	<1.00	<1.00
19. Pcb's (Aroclors)	<2.00	<2.00	<2.00
20. Toxaphene	<1.00	<1.00	<1.00

Environment 1, Incorporated

[redacted]

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

REVIEWED BY:

CLIENT ID: 6062

ANALYST: CHS
DATE COLLECTED: 04/19/07
DATE EXTRACTED: 04/25/07
DATE ANALYZED: 05/04/07
DATE REPORTED: 05/24/07

LANDFILL APPENDIX II
EPA METHOD 8151A

PARAMETERS, ug/l	MW-5	MW-6	MW-8
1. 2,4-D	<2.00	<2.00	<2.00
2. Dinoseb	<1.00	<1.00	<1.00
3. 2,4,5-TP	<2.00	<2.00	<2.00
4. 2,4,5-T	<2.00	<2.00	<2.00

Environment 1, Incorporated

[redacted]

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

CLIENT ID: 6062

ANALYST: MAO
DATE COLLECTED: 04/19/07
DATE ANALYZED: 05/02/07
DATE REPORTED: 05/24/07

Page: 1

REVIEWED BY: _____

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	Equipment Blank	Trip Blank
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

Environment 1, Incorporated

[redacted]

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

REVIEWED BY:

CLIENT ID: 6062

ANALYST: CHS
DATE COLLECTED: 04/19/07
DATE EXTRACTED: 04/24/07
DATE ANALYZED: 04/29/07
DATE REPORTED: 05/24/07

BASE/NEUTRAL COMPOUNDS
EPA METHOD 8270C

PARAMETERS, ug/l	MW-5	MW-6	MW-8
1. Acenaphthene	<10.00	<10.00	<10.00
2. Acenaphthylene	<10.00	<10.00	<10.00
3. Anthracene	<10.00	<10.00	<10.00
4. Benzo[a]antrhacene	<10.00	<10.00	<10.00
5. Benzo[b]fluoranthene	<10.00	<10.00	<10.00
6. Benzo[k]fluoranthene	<10.00	<10.00	<10.00
7. Benzo[g,h,i]perylene	<10.00	<10.00	<10.00
8. Benzo[a]pyrene	<10.00	<10.00	<10.00
9. 4-Bromophenyl Phenyl Ether	<10.00	<10.00	<10.00
10. Butyl Benzyl Phthalate	<10.00	<10.00	<10.00
11. Bis-(2-Chloroethoxy) Methane	<10.00	<10.00	<10.00
12. Bis-(2-Chloroethyl) Ether	<10.00	<10.00	<10.00
13. Bis-(2-Chloroisopropyl) Ether	<10.00	<10.00	<10.00
14. 2-Chloronaphthalene	<10.00	<10.00	<10.00
15. 4-Chlorophenyl Phenyl Ether	<10.00	<10.00	<10.00
16. Chrysene	<10.00	<10.00	<10.00
17. Dibenzo[a,h]anthracene	<10.00	<10.00	<10.00
18. Di-N-Butyl Phthalate	<10.00	<10.00	<10.00
19. Dimethyl Phthalate	<10.00	<10.00	<10.00
20. Diethyl Phthalate	<10.00	<10.00	<10.00
21. 2,4-Dinitrotoluene	<10.00	<10.00	<10.00
22. 2,6-Dinitrotoluene	<10.00	<10.00	<10.00
23. Di-N-Octyl Phthalate	<10.00	<10.00	<10.00
24. Bis-(2-Ethylhexyl) Phthalate	<15.00	<15.00	<15.00
25. Fluoranthene	<10.00	<10.00	<10.00
26. Fluorene	<10.00	<10.00	<10.00
27. Hexachlorobenzene	<10.00	<10.00	<10.00
28. Hexachlorocyclopentadiene	<10.00	<10.00	<10.00
29. Indeno[1,2,3-Cd]pyrene	<10.00	<10.00	<10.00
30. Isophorone	<10.00	<10.00	<10.00
31. Nitrobenzene	<10.00	<10.00	<10.00
32. N-Nitrosodimethylamine	<10.00	<10.00	<10.00
33. N-Nitrosodiphenylamine	<10.00	<10.00	<10.00
34. N-Nitrosodi-N-Propylamine	<10.00	<10.00	<10.00
35. Phenanthrene	<10.00	<10.00	<10.00
36. Pyrene	<10.00	<10.00	<10.00
37. Ethyl Methanesulfonate	<10.00	<10.00	<10.00
38. Methyl Methanesulfonate	<10.00	<10.00	<10.00
39. Acetophenone	<10.00	<10.00	<10.00
40. 2-Acetylaminofluorene	<20.00	<20.00	<20.00
41. 4-Aminobiphenyl	<15.00	<15.00	<15.00
42. Benzyl Alcohol	<20.00	<20.00	<20.00
43. 4-Chloroaniline	<20.00	<20.00	<20.00
44. Chlorobenzilate	<10.00	<10.00	<10.00
45. Diallate	<10.00	<10.00	<10.00
46. Dibenzofuran	<10.00	<10.00	<10.00
47. 3,3-Dichlorobenzidine	<20.00	<20.00	<20.00
48. Dimethoate	<20.00	<20.00	<20.00

Environment 1, Incorporated

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

REVIEWED BY:

CLIENT ID: 6062

ANALYST: CHS
DATE COLLECTED: 04/19/07
DATE EXTRACTED: 04/24/07
DATE ANALYZED: 04/29/07
DATE REPORTED: 05/24/07

BASE/NEUTRAL COMPOUNDS
EPA METHOD 8270C

PARAMETERS, ug/l	MW-5	MW-6	MW-8
49. P-Dimethylaminoazobenzene	<10.00	<10.00	<10.00
50. 7,12-Dimethylbenz[a]anthracene	<10.00	<10.00	<10.00
51. 3,3-Dimethylbenzadine	<10.00	<10.00	<10.00
52. 1,3-Dinitrobenzene	<20.00	<20.00	<20.00
53. Diphenylamine	<10.00	<10.00	<10.00
54. Disulfoton	<10.00	<10.00	<10.00
55. Famphur	<20.00	<20.00	<20.00
56. Hexachloropropene	<10.00	<10.00	<10.00
57. Isosafrole	<10.00	<10.00	<10.00
58. Kepone	<20.00	<20.00	<20.00
59. Methapyrilene	<100.00	<100.00	<100.00
60. 3-Methylchloroanthrene	<10.00	<10.00	<10.00
61. 2-Methylnaphthalene	<10.00	<10.00	<10.00
62. Methyl Parathion	<10.00	<10.00	<10.00
63. 1,4-Naphthoquinone	<10.00	<10.00	<10.00
64. 1-Naphthylamine	<10.00	<10.00	<10.00
65. 2-Naphthylamine	<10.00	<10.00	<10.00
66. 2-Nitroaniline	<50.00	<50.00	<50.00
67. 3-Nitroaniline	<50.00	<50.00	<50.00
68. 4-Nitroaniline	<20.00	<20.00	<20.00
69. 5-Nitro-O-Toluidine	<10.00	<10.00	<10.00
70. N-Nitroso-n-butlyamine	<10.00	<10.00	<10.00
71. N-Nitrosodiethylamine	<20.00	<20.00	<20.00
72. N-Nitrosomethylethylamine	<10.00	<10.00	<10.00
73. N-Nitrosopiperidine	<20.00	<20.00	<20.00
74. N-Nitrosopyrrolidine	<10.00	<10.00	<10.00
75. Parathion	<10.00	<10.00	<10.00
76. Pentachlorobenzene	<10.00	<10.00	<10.00
77. Pentachloronitrobenzene	<20.00	<20.00	<20.00
78. Phenacetin	<20.00	<20.00	<20.00
79. 1,4-Phenylenediamine	<10.00	<10.00	<10.00
80. Phorate	<10.00	<10.00	<10.00
81. Pronamide	<10.00	<10.00	<10.00
82. Safrole	<10.00	<10.00	<10.00
83. 1,2,4,5-Tetrachlorobenzene	<10.00	<10.00	<10.00
84. Thionazin	<20.00	<20.00	<20.00
85. O-Toluidine	<10.00	<10.00	<10.00
86. 1,3,5-Trinitrobenzene	<10.00	<10.00	<10.00
87. 0,0,0-Triethyl Phosphorothioate	<10.00	<10.00	<10.00
88. Hexachloroethane	<10.00	<10.00	<10.00
89. Isodrin	<20.00	<20.00	<20.00

Environment 1, Incorporated

[redacted]

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

CLIENT ID: 6062

ANALYST: MAO
DATE COLLECTED: 04/19/07
DATE ANALYZED: 05/02/07
DATE REPORTED: 05/24/07

Page: 1

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MW-5	MW-6	MW-8
1. Chloromethane	<5.00	<5.00	<5.00
2. Vinyl Chloride	<5.00	<5.00	<5.00
3. Bromomethane	<10.00	<10.00	<10.00
4. Chloroethane	<5.00	<5.00	<5.00
5. Trichlorofluoromethane	<5.00	<5.00	<5.00
6. 1,1-Dichloroethene	<5.00	<5.00	<5.00
7. Acetone	<100.00	<100.00	<100.00
8. Iodomethane	<10.00	<10.00	<10.00
9. Carbon Disulfide	<100.00	<100.00	<100.00
10. Methylene Chloride	<5.00	<5.00	<5.00
11. trans-1,2-Dichloroethene	<5.00	<5.00	<5.00
12. 1,1-Dichloroethane	6.90	<5.00	<5.00
13. Vinyl Acetate	<50.00	<50.00	<50.00
14. Cis-1,2-Dichloroethene	6.70	<5.00	18.90
15. 2-Butanone	<100.00	<100.00	<100.00
16. Bromochloromethane	<3.00	<3.00	<3.00
17. Chloroform	<5.00	<5.00	<5.00
18. 1,1,1-Trichloroethane	<5.00	<5.00	<5.00
19. Carbon Tetrachloride	<5.00	<5.00	<5.00
20. Benzene	<3.00	<3.00	<3.00
21. 1,2-Dichloroethane	<3.00	<3.00	<3.00
22. Trichloroethene	<3.00	<3.00	<3.00
23. 1,2-Dichloropropane	<3.00	<3.00	<3.00
24. Bromodichloromethane	<3.00	<3.00	<3.00
25. Cis-1,3-Dichloropropene	<5.00	<5.00	<5.00
26. 4-Methyl-2-Pentanone	<100.00	<100.00	<100.00
27. Toluene	<5.00	<5.00	<5.00
28. trans-1,3-Dichloropropene	<5.00	<5.00	<5.00
29. 1,1,2-Trichloroethane	<5.00	<5.00	<5.00
30. Tetrachloroethene	<3.00	<3.00	<3.00
31. 2-Hexanone	<50.00	<50.00	<50.00
32. Dibromochloromethane	<3.00	<3.00	<3.00
33. 1,2-Dibromoethane	<3.00	<3.00	<3.00
34. Chlorobenzene	<3.00	<3.00	<3.00
35. 1,1,1,2-Tetrachloroethane	<5.00	<5.00	<5.00
36. Ethylbenzene	<5.00	<5.00	<5.00
37. Xylenes	<4.00	<4.00	<4.00
38. Dibromomethane	<10.00	<10.00	<10.00
39. Styrene	<10.00	<10.00	<10.00
40. Bromoform	<3.00	<3.00	<3.00
41. 1,1,2,2-Tetrachloroethane	<5.00	<5.00	<5.00
42. 1,2,3-Trichloropropane	<8.00	<8.00	<8.00
43. 1,4-Dichlorobenzene	6.80	<3.00	<3.00
44. 1,2-Dichlorobenzene	<5.00	<5.00	<5.00
45. 1,2-Dibromo-3-Chloropropane	<13.00	<13.00	<13.00
46. Acrylonitrile	<200.00	<200.00	<200.00
47. trans-1,4-Dichloro-2-Butene	<100.00	<100.00	<100.00
48. Acrolein	<50.00	<50.00	<50.00

[redacted]

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

CLIENT ID: 6062

ANALYST: MAO
DATE COLLECTED: 04/19/07
DATE ANALYZED: 05/02/07
DATE REPORTED: 05/24/07

REVIEWED BY: _____

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MW-5	MW-6	MW-8
49. Allyl Chloride	<10.00	<10.00	<10.00
50. Chloroprene	<20.00	<20.00	<20.00
51. 1,3-Dichlorobenzene	<5.00	<5.00	<5.00
52. Dichlorodifluoromethane	<5.00	<5.00	<5.00
53. 1,3-Dichloropropane	<3.00	<3.00	<3.00
54. 2,2-Dichloropropane	<15.00	<15.00	<15.00
55. 1,1-Dichloropropene	<5.00	<5.00	<5.00
56. Ethyl Methacrylate	<10.00	<10.00	<10.00
57. Hexachlorobutadiene	<10.00	<10.00	<10.00
58. Isobutyl Alcohol	<100.00	<100.00	<100.00
59. Methacrylonitrile	<100.00	<100.00	<100.00
60. Methyl Methacrylate	<30.00	<30.00	<30.00
61. Naphthalene	<10.00	<10.00	<10.00
62. Propionitrile	<150.00	<150.00	<150.00
63. 1,2,4-Trichlorobenzene	<10.00	<10.00	<10.00
64. Acetonitrile	<50.00	<50.00	<50.00

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: 6062 **Week:** 16

NORTH WAKE UNLINED 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)															<2	<2	<2					
CONTAINER TYPE, P/G					P	P	P	P		G	G	G	G	G	G	G						
CHEMICAL PRESERVATION					A	B	A	A		A	A	A	E	E	E	A						
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 8081A	8081A Duplicate	8270C B\N	8260B App. II	8260 App. II 1	8260 App. II 2	8151A Landfill					
MW-5 have all	04 19 07	1017		18	9	G	G	G	G	G	G	G	G	G	G	G	G					
MW-6	04 19 07	1145		15	8	G	G	G	G	G	G	G	G	G	G		G					
~~MW-6D~~					8																	
~~MW-7~~					8																	
MW-8	04 19 07	0857		15	8	G	G	G	G	G	G	G	G	G	G		G					
~~MW-8D~~					8																	
Equipment Blank	04 19 07				2									G	G							
Trip Blank					2																	

PARAMETERS

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

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

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

SAMPLES COLLECTED BY: (Please Print) Hagee/fot

SAMPLES RECEIVED IN LAB AT 4.0 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob Hagee	04 19 07	[signature]	4/20/07 8:00
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:

Instructions for completing this form are on the reverse side.

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

№ 144481

FORM #5

Environment 1, Incorporated

[redacted]

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6062

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

DATE COLLECTED: 04/20/07
DATE REPORTED : 05/24/07

REVIEWED BY:

PARAMETERS	MW-6D	MW-7	MW-8D	Analysis Date	Analyst	Method Code
PH (field measurement), Units	5.9	6.1	6.4	04/20/07	RJH	SM4500HB
Antimony, ug/l	<6.0	<6.0	<6.0	04/30/07	LFJ	EPA200.8
Arsenic, ug/l	< 10	< 10	< 10	04/30/07	LFJ	EPA200.8
Barium, ug/l	< 100	< 100	< 100	04/30/07	LFJ	EPA200.8
Beryllium, ug/l	<1.0	<1.0	<1.0	04/30/07	LFJ	EPA200.8
Cadmium, ug/l	<1.0	<1.0	<1.0	04/30/07	LFJ	EPA200.8
Cobalt, ug/l	< 10	16	< 10	04/30/07	LFJ	EPA200.8
Copper, ug/l	< 10	< 10	< 10	04/30/07	LFJ	EPA200.8
Total Chromium, ug/l	< 10	< 10	< 10	04/30/07	LFJ	EPA200.8
Lead, ug/l	< 10	< 10	< 10	04/30/07	LFJ	EPA200.8
Mercury, ug/l	<0.2	<0.2	<0.2	04/30/07	LFJ	EPA200.8
Nickel, ug/l	< 50	< 50	< 50	04/30/07	LFJ	EPA200.8
Selenium, ug/l	< 10	< 10	< 10	04/30/07	LFJ	EPA200.8
Silver, ug/l	< 10	< 10	< 10	04/30/07	LFJ	EPA200.8
Thallium, ug/l	<5.0	<5.0	<5.0	04/30/07	LFJ	EPA200.8
Vanadium, ug/l	< 25	< 25	< 25	04/30/07	LFJ	EPA200.8
Zinc, ug/l	11	18	< 10	04/30/07	LFJ	EPA200.8
Conductivity (at 25c), uMhos	144	576	260	04/20/07	RJH	SM2510B
Temperature, °C	17	16	14	04/20/07	RJH	SM2550B
Static Water Level, feet	12.56	8.74	11.72	04/20/07	RJH	
Well Depth, feet	62.50	21.67	44.59	04/20/07	RJH	

Environment 1, Incorporated

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C\O MR. JOHN BOVE
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4011 WESTCHASE BLVD, SUITE 500
RALEIGH, NC 27607

REVIEWED BY:

CLIENT ID: 6062

ANALYST: CHS
DATE COLLECTED: 04/20/07
DATE EXTRACTED: 04/24/07
DATE ANALYZED: 05/02/07
DATE REPORTED: 05/24/07

PESTICIDES AND PCB'S
EPA METHOD 8081A

PARAMETERS, ug/l	MW-6D	MW-7	MW-8D
1. Aldrin	<0.05	<0.05	<0.05
2. Alpha-BHC	<0.05	<0.05	<0.05
3. Beta-BHC	<0.05	<0.05	<0.05
4. Delta-BHC	<0.05	<0.05	<0.05
5. Gamma-BHC (Lindane)	<0.05	<0.05	<0.05
6. Chlordane	<0.50	<0.50	<0.50
7. 4,4-DDD	<0.10	<0.10	<0.10
8. 4,4-DDE	<0.10	<0.10	<0.10
9. 4,4-DDT	<0.10	<0.10	<0.10
10. Dieldrin	<0.07	<0.07	<0.07
11. Endosulfan I	<0.10	<0.10	<0.10
12. Endosulfan II	<0.10	<0.10	<0.10
13. Endosulfan Sulfate	<0.10	<0.10	<0.10
14. Endrin	<0.10	<0.10	<0.10
15. Endrin Aldehyde	<0.10	<0.10	<0.10
16. Heptachlor	<0.05	<0.05	<0.05
17. Hepthchlor Epoxide	<0.07	<0.07	<0.07
18. Methoxychlor	<1.00	<1.00	<1.00
19. Pcb's (Aroclors)	<2.00	<2.00	<2.00
20. Toxaphene	<1.00	<1.00	<1.00

[redacted]

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

REVIEWED BY:

CLIENT ID: 6062

ANALYST: CHS
DATE COLLECTED: 04/20/07
DATE EXTRACTED: 04/25/07
DATE ANALYZED: 05/04/07
DATE REPORTED: 05/24/07

LANDFILL APPENDIX II
EPA METHOD 8151A

PARAMETERS, ug/l	MW-6D	MW-7	MW-8D
1. 2,4-D	<2.00	<2.00	<2.00
2. Dinoseb	<1.00	<1.00	<1.00
3. 2,4,5-TP	<2.00	<2.00	<2.00
4. 2,4,5-T	<2.00	<2.00	<2.00

Environment 1, Incorporated

[redacted]

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

REVIEWED BY:

CLIENT ID: 6062

ANALYST: CHS
DATE COLLECTED: 04/20/07
DATE EXTRACTED: 04/24/07
DATE ANALYZED: 04/29/07
DATE REPORTED: 05/24/07

BASE/NEUTRAL COMPOUNDS
EPA METHOD 8270C

PARAMETERS, ug/l	MW-6D	MW-7	MW-8D
1. Acenaphthene	<10.00	<10.00	<10.00
2. Acenaphthylene	<10.00	<10.00	<10.00
3. Anthracene	<10.00	<10.00	<10.00
4. Benzo[a]antrhacene	<10.00	<10.00	<10.00
5. Benzo[b]fluoranthene	<10.00	<10.00	<10.00
6. Benzo[k]fluoranthene	<10.00	<10.00	<10.00
7. Benzo[g,h,i]perylene	<10.00	<10.00	<10.00
8. Benzo[a]pyrene	<10.00	<10.00	<10.00
9. 4-Bromophenyl Phenyl Ether	<10.00	<10.00	<10.00
10. Butyl Benzyl Phthalate	<10.00	<10.00	<10.00
11. Bis-(2-Chloroethoxy) Methane	<10.00	<10.00	<10.00
12. Bis-(2-Chloroethyl) Ether	<10.00	<10.00	<10.00
13. Bis-(2-Chloroisopropyl) Ether	<10.00	<10.00	<10.00
14. 2-Chloronaphthalene	<10.00	<10.00	<10.00
15. 4-Chlorophenyl Phenyl Ether	<10.00	<10.00	<10.00
16. Chrysene	<10.00	<10.00	<10.00
17. Dibenzo[a,h]anthracene	<10.00	<10.00	<10.00
18. Di-N-Butyl Phthalate	<10.00	<10.00	<10.00
19. Dimethyl Phthalate	<10.00	<10.00	<10.00
20. Diethyl Phthalate	<10.00	<10.00	<10.00
21. 2,4-Dinitrotoluene	<10.00	<10.00	<10.00
22. 2,6-Dinitrotoluene	<10.00	<10.00	<10.00
23. Di-N-Octyl Phthalate	<10.00	<10.00	<10.00
24. Bis-(2-Ethylhexyl) Phthalate	<15.00	<15.00	<15.00
25. Fluoranthene	<10.00	<10.00	<10.00
26. Fluorene	<10.00	<10.00	<10.00
27. Hexachlorobenzene	<10.00	<10.00	<10.00
28. Hexachlorocyclopentadiene	<10.00	<10.00	<10.00
29. Indeno[1,2,3-Cd]pyrene	<10.00	<10.00	<10.00
30. Isophorone	<10.00	<10.00	<10.00
31. Nitrobenzene	<10.00	<10.00	<10.00
32. N-Nitrosodimethylamine	<10.00	<10.00	<10.00
33. N-Nitrosodiphenylamine	<10.00	<10.00	<10.00
34. N-Nitrosodi-N-Propylamine	<10.00	<10.00	<10.00
35. Phenanthrene	<10.00	<10.00	<10.00
36. Pyrene	<10.00	<10.00	<10.00
37. Ethyl Methanesulfonate	<10.00	<10.00	<10.00
38. Methyl Methanesulfonate	<10.00	<10.00	<10.00
39. Acetophenone	<10.00	<10.00	<10.00
40. 2-Acetylaminofluorene	<20.00	<20.00	<20.00
41. 4-Aminobiphenyl	<15.00	<15.00	<15.00
42. Benzyl Alcohol	<20.00	<20.00	<20.00
43. 4-Chloroaniline	<20.00	<20.00	<20.00
44. Chlorobenzilate	<10.00	<10.00	<10.00
45. Diallate	<10.00	<10.00	<10.00
46. Dibenzofuran	<10.00	<10.00	<10.00
47. 3,3-Dichlorobenzidine	<20.00	<20.00	<20.00
48. Dimethoate	<20.00	<20.00	<20.00

Environment 1, Incorporated

[redacted]

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HAZEN AND SAWYER
4011 WESTCHASE BLVD, SUITE 500
RALEIGH, NC 27607

REVIEWED BY:

CLIENT ID: 6062

ANALYST: CHS
DATE COLLECTED: 04/20/07
DATE EXTRACTED: 04/24/07
DATE ANALYZED: 04/29/07
DATE REPORTED: 05/24/07

BASE/NEUTRAL COMPOUNDS
EPA METHOD 8270C

PARAMETERS, ug/l	MW-6D	MW-7	MW-8D
49. P-Dimethylaminoazobenzene	<10.00	<10.00	<10.00
50. 7,12-Dimethylbenz[a]anthracene	<10.00	<10.00	<10.00
51. 3,3-Dimethylbenzadine	<10.00	<10.00	<10.00
52. 1,3-Dinitrobenzene	<20.00	<20.00	<20.00
53. Diphenylamine	<10.00	<10.00	<10.00
54. Disulfoton	<10.00	<10.00	<10.00
55. Famphur	<20.00	<20.00	<20.00
56. Hexachloropropene	<10.00	<10.00	<10.00
57. Isosafrole	<10.00	<10.00	<10.00
58. Kepone	<20.00	<20.00	<20.00
59. Methapyrilene	<100.00	<100.00	<100.00
60. 3-Methylchloroanthrene	<10.00	<10.00	<10.00
61. 2-Methylnaphthalene	<10.00	<10.00	<10.00
62. Methyl Parathion	<10.00	<10.00	<10.00
63. 1,4-Naphthoquinone	<10.00	<10.00	<10.00
64. 1-Naphthylamine	<10.00	<10.00	<10.00
65. 2-Naphthylamine	<10.00	<10.00	<10.00
66. 2-Nitroaniline	<50.00	<50.00	<50.00
67. 3-Nitroaniline	<50.00	<50.00	<50.00
68. 4-Nitroaniline	<20.00	<20.00	<20.00
69. 5-Nitro-O-Toluidine	<10.00	<10.00	<10.00
70. N-Nitroso-n-butlyamine	<10.00	<10.00	<10.00
71. N-Nitrosodiethylamine	<20.00	<20.00	<20.00
72. N-Nitrosomethylethylamine	<10.00	<10.00	<10.00
73. N-Nitrosopiperidine	<20.00	<20.00	<20.00
74. N-Nitrosopyrrolidine	<10.00	<10.00	<10.00
75. Parathion	<10.00	<10.00	<10.00
76. Pentachlorobenzene	<10.00	<10.00	<10.00
77. Pentachloronitrobenzene	<20.00	<20.00	<20.00
78. Phenacetin	<20.00	<20.00	<20.00
79. 1,4-Phenylenediamine	<10.00	<10.00	<10.00
80. Phorate	<10.00	<10.00	<10.00
81. Pronamide	<10.00	<10.00	<10.00
82. Safrole	<10.00	<10.00	<10.00
83. 1,2,4,5-Tetrachlorobenzene	<10.00	<10.00	<10.00
84. Thionazin	<20.00	<20.00	<20.00
85. O-Toluidine	<10.00	<10.00	<10.00
86. 1,3,5-Trinitrobenzene	<10.00	<10.00	<10.00
87. 0,0,0-Triethyl Phosphorothioate	<10.00	<10.00	<10.00
88. Hexachloroethane	<10.00	<10.00	<10.00
89. Isodrin	<20.00	<20.00	<20.00

Environment 1, Incorporated

[redacted]

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4011 WESTCHASE BLVD, SUITE 500
RALEIGH, NC 27607

REVIEWED BY:

CLIENT ID: 6062

ANALYST: MAO
DATE COLLECTED: 04/20/07
DATE ANALYZED: 05/02/07
DATE REPORTED: 05/24/07

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MW-6D	MW-7	MW-8D	Equipment Blank	Trip Blank
1. Chloromethane	<5.00	<5.00	<5.00	<5.00	<5.00
2. Vinyl Chloride	<5.00	5.40	<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	24.30	<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
48. Acrolein	<50.00	<50.00	<50.00	<50.00	<50.00

Environment 1, Incorporated

[redacted]

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

CLIENT ID: 6062

ANALYST: MAO
DATE COLLECTED: 04/20/07
DATE ANALYZED: 05/02/07
DATE REPORTED: 05/24/07

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MW-6D	MW-7	MW-8D	Equipment Blank	Trip Blank
49. Allyl Chloride	<10.00	<10.00	<10.00	<10.00	<10.00
50. Chloroprene	<20.00	<20.00	<20.00	<20.00	<20.00
51. 1,3-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
52. Dichlorodifluoromethane	<5.00	<5.00	<5.00	<5.00	<5.00
53. 1,3-Dichloropropane	<3.00	<3.00	<3.00	<3.00	<3.00
54. 2,2-Dichloropropane	<15.00	<15.00	<15.00	<15.00	<15.00
55. 1,1-Dichloropropene	<5.00	<5.00	<5.00	<5.00	<5.00
56. Ethyl Methacrylate	<10.00	<10.00	<10.00	<10.00	<10.00
57. Hexachlorobutadiene	<10.00	<10.00	<10.00	<10.00	<10.00
58. Isobutyl Alcohol	<100.00	<100.00	<100.00	<100.00	<100.00
59. Methacrylonitrile	<100.00	<100.00	<100.00	<100.00	<100.00
60. Methyl Methacrylate	<30.00	<30.00	<30.00	<30.00	<30.00
61. Naphthalene	<10.00	<10.00	<10.00	<10.00	<10.00
62. Propionitrile	<150.00	<150.00	<150.00	<150.00	<150.00
63. 1,2,4-Trichlorobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
64. Acetonitrile	<50.00	<50.00	<50.00	<50.00	<50.00

El...rl...m...l..., ..nc.
P.O. ..x 7085, 114 Oakmont Dr.
Greenville, NC 27858

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

CHAIN OF CUSTODY RECORD

CLIENT: 6062 **Week: 16**

NORTH WAKE UNLINED 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	Field Parameter	EPA 8081A	8081A Duplicate	8270C B/N	8260B App. II	8260 App. II 1	8260 App. II 2	8151A Landfill
CHLORINE NEUTRALIZED AT COLLECTION																	
pH CHECK (LAB)							L2							L2	L2	L2	
CONTAINER TYPE, P/G						P	P	P	P		G	G	G	G	G	G	G
CHEMICAL PRESERVATION						A	B	A	A		A	A	A	E	E	E	A
~~MW-5~~					9												
~~MW-6~~					8												
MW-6D	04 2007	0955		17	8	G	G	G	G	G	G	G	G	G	G		G
MW-7	04 2007	1155		17	8	G	G	G	G	G	G	G	G	G	G		G
~~MW-8~~					8												
MW-8D	04 2007	0805		14	8	G	G	G	G	G	G	G	G	G	G		G
Equipment Blank	04 2007				2									G	G		
Trip Blank					2												

PARAMETERS

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

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

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY: Y N

SAMPLES COLLECTED BY: (Please Print)

SAMPLES RECEIVED IN LAB AT 10 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
	04 2007	[signature]	4/20/07 3:10
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.

№ 144481

FORM #5

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6062 A

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

DATE COLLECTED: 04/19/07
DATE REPORTED : 05/24/07

REVIEWED BY:

PARAMETERS	MW-9	MW-10	Analysis Date	Analyst	Method Code
PH (field measurement), Units	6.1	5.6	04/19/07	RJH	SM4500HB
Antimony, ug/l	<6.0		04/26/07	LFJ	EPA200.8
Antimony, ug/l		<6.0	04/30/07	CMF	EPA200.8
Arsenic, ug/l	< 10		04/26/07	LFJ	EPA200.8
Arsenic, ug/l		<10	04/30/07	CMF	EPA200.8
Barium, ug/l	289		04/26/07	LFJ	EPA200.8
Barium, ug/l		< 100	04/30/07	CMF	EPA200.8
Beryllium, ug/l	2		04/26/07	LFJ	EPA200.8
Beryllium, ug/l		<1.0	04/30/07	CMF	EPA200.8
Cadmium, ug/l	1		04/26/07	LFJ	EPA200.8
Cadmium, ug/l		<1.0	04/30/07	CMF	EPA200.8
Cobalt, ug/l	< 10		04/26/07	LFJ	EPA200.8
Cobalt, ug/l		< 10	04/30/07	CMF	EPA200.8
Copper, ug/l	12		04/26/07	LFJ	EPA200.8
Copper, ug/l		< 10	04/30/07	CMF	EPA200.8
Total Chromium, ug/l	17		04/26/07	LFJ	EPA200.8
Total Chromium, ug/l		< 10	04/30/07	CMF	EPA200.8
Lead, ug/l	21		04/26/07	LFJ	EPA200.8
Lead, ug/l		< 10	04/30/07	CMF	EPA200.8
Mercury, ug/l	<0.2		04/26/07	LFJ	EPA200.8
Mercury, ug/l		0.38	05/08/07	ADD	EPA245.1
Nickel, ug/l	< 50		04/26/07	LFJ	EPA200.8
Nickel, ug/l		< 50	04/30/07	CMF	EPA200.8
Selenium, ug/l	< 10		04/26/07	LFJ	EPA200.8
Selenium, ug/l		< 10	04/30/07	CMF	EPA200.8
Silver, ug/l	< 10		04/26/07	LFJ	EPA200.8
Silver, ug/l		<10	04/30/07	CMF	EPA200.8
Thallium, ug/l	<5.0		04/26/07	LFJ	EPA200.8
Thallium, ug/l		<5.0	04/30/07	CMF	EPA200.8
Vanadium, ug/l	< 25		04/26/07	LFJ	EPA200.8
Vanadium, ug/l		< 25	04/30/07	CMF	EPA200.8
Zinc, ug/l	122		04/26/07	LFJ	EPA200.8
Zinc, ug/l		< 10	04/30/07	CMF	EPA200.8

Environment 1, Incorporated

[redacted]

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6062 A

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

DATE COLLECTED: 04/19/07
DATE REPORTED : 05/24/07

REVIEWED BY:

PARAMETERS	MW-9	MW-10	Analysis Date	Analyst	Method Code
Conductivity (at 25c), uMhos	538	120	04/19/07	RJH	SM2510B
Temperature, °C	17	17	04/19/07	RJH	SM2550B
Static Water Level, feet	29.58	41.57	04/19/07	RJH	
Well Depth, feet	44.48	55.17	04/19/07	RJH	

Environment 1, Incorporated

[redacted]

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

REVIEWED BY: _____

CLIENT ID: 6062 A

ANALYST: CHS
DATE COLLECTED: 04/19/07
DATE EXTRACTED: 04/24/07
DATE ANALYZED: 05/02/07
DATE REPORTED: 05/24/07

PESTICIDES AND PCB'S
EPA METHOD 8081A

PARAMETERS, ug/l	MW-9	MW-10
1. Aldrin	<0.05	<0.05
2. Alpha-BHC	<0.05	<0.05
3. Beta-BHC	<0.05	<0.05
4. Delta-BHC	<0.05	<0.05
5. Gamma-BHC (Lindane)	<0.05	<0.05
6. Chlordane	<0.50	<0.50
7. 4,4-DDD	<0.10	<0.10
8. 4,4-DDE	<0.10	<0.10
9. 4,4-DDT	<0.10	<0.10
10. Dieldrin	<0.07	<0.07
11. Endosulfan I	<0.10	<0.10
12. Endosulfan II	<0.10	<0.10
13. Endosulfan Sulfate	<0.10	<0.10
14. Endrin	<0.10	<0.10
15. Endrin Aldehyde	<0.10	<0.10
16. Heptachlor	<0.05	<0.05
17. Hepthchlor Epoxide	<0.07	<0.07
18. Methoxychlor	<1.00	<1.00
19. Pcb's (Aroclors)	<2.00	<2.00
20. Toxaphene	<1.00	<1.00

Environment 1, Incorporated

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

REVIEWED BY: _____

CLIENT ID: 6062 A

ANALYST: CHS
DATE COLLECTED: 04/19/07
DATE EXTRACTED: 04/25/07
DATE ANALYZED: 05/04/07
DATE REPORTED: 05/24/07

LANDFILL APPENDIX II
EPA METHOD 8151A

PARAMETERS, ug/l	MW-9	MW-10
1. 2,4-D	<2.00	<2.00
2. Dinoseb	<1.00	<1.00
3. 2,4,5-TP	<2.00	<2.00
4. 2,4,5-T	<2.00	<2.00

Environment 1, Incorporated

[redacted]

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

REVIEWED BY: _____

CLIENT ID: 6062 A

ANALYST: CHS
DATE COLLECTED: 04/19/07
DATE EXTRACTED: 04/24/07
DATE ANALYZED: 04/27/07
DATE REPORTED: 05/24/07

BASE/NEUTRAL COMPOUNDS
EPA METHOD 8270C

PARAMETERS, ug/l	MW-9	MW-10
1. Acenaphthene	<10.00	<10.00
2. Acenaphthylene	<10.00	<10.00
3. Anthracene	<10.00	<10.00
4. Benzo[a]antrhacene	<10.00	<10.00
5. Benzo[b]fluoranthene	<10.00	<10.00
6. Benzo[k]fluoranthene	<10.00	<10.00
7. Benzo[g,h,i]perylene	<10.00	<10.00
8. Benzo[a]pyrene	<10.00	<10.00
9. 4-Bromophenyl Phenyl Ether	<10.00	<10.00
10. Butyl Benzyl Phthalate	<10.00	<10.00
11. Bis-(2-Chloroethoxy) Methane	<10.00	<10.00
12. Bis-(2-Chloroethyl) Ether	<10.00	<10.00
13. Bis-(2-Chloroisopropyl) Ether	<10.00	<10.00
14. 2-Chloronaphthalene	<10.00	<10.00
15. 4-Chlorophenyl Phenyl Ether	<10.00	<10.00
16. Chrysene	<10.00	<10.00
17. Dibenzo[a,h]anthracene	<10.00	<10.00
18. Di-N-Butyl Phthalate	<10.00	<10.00
19. Dimethyl Phthalate	<10.00	<10.00
20. Diethyl Phthalate	<10.00	<10.00
21. 2,4-Dinitrotoluene	<10.00	<10.00
22. 2,6-Dinitrotoluene	<10.00	<10.00
23. Di-N-Octyl Phthalate	<10.00	<10.00
24. Bis-(2-Ethylhexyl) Phthalate	<15.00	24.00
25. Fluoranthene	<10.00	<10.00
26. Fluorene	<10.00	<10.00
27. Hexachlorobenzene	<10.00	<10.00
28. Hexachlorocyclopentadiene	<10.00	<10.00
29. Indeno[1,2,3-Cd]pyrene	<10.00	<10.00
30. Isophorone	<10.00	<10.00
31. Nitrobenzene	<10.00	<10.00
32. N-Nitrosodimethylamine	<10.00	<10.00
33. N-Nitrosodiphenylamine	<10.00	<10.00
34. N-Nitrosodi-N-Propylamine	<10.00	<10.00
35. Phenanthrene	<10.00	<10.00
36. Pyrene	<10.00	<10.00
37. Ethyl Methanesulfonate	<10.00	<10.00
38. Methyl Methanesulfonate	<10.00	<10.00
39. Acetophenone	<10.00	<10.00
40. 2-Acetylaminofluorene	<20.00	<20.00
41. 4-Aminobiphenyl	<15.00	<15.00
42. Benzyl Alcohol	<20.00	<20.00
43. 4-Chloroaniline	<20.00	<20.00
44. Chlorobenzilate	<10.00	<10.00
45. Diallate	<10.00	<10.00
46. Dibenzofuran	<10.00	<10.00
47. 3,3-Dichlorobenzidine	<20.00	<20.00
48. Dimethoate	<20.00	<20.00

Environment 1, Incorporated

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

REVIEWED BY:

CLIENT ID: 6062 A

ANALYST: CHS
DATE COLLECTED: 04/19/07
DATE EXTRACTED: 04/24/07
DATE ANALYZED: 04/27/07
DATE REPORTED: 05/24/07

BASE/NEUTRAL COMPOUNDS
EPA METHOD 8270C

PARAMETERS, ug/l	MW-9	MW-10
49. P-Dimethylaminoazobenzene	<10.00	<10.00
50. 7,12-Dimethylbenz[a]anthracene	<10.00	<10.00
51. 3,3-Dimethylbenzadine	<10.00	<10.00
52. 1,3-Dinitrobenzene	<20.00	<20.00
53. Diphenylamine	<10.00	<10.00
54. Disulfoton	<10.00	<10.00
55. Famphur	<20.00	<20.00
56. Hexachloropropene	<10.00	<10.00
57. Isosafrole	<10.00	<10.00
58. Kepone	<20.00	<20.00
59. Methapyrilene	<100.00	<100.00
60. 3-Methylchloroanthrene	<10.00	<10.00
61. 2-Methylnaphthalene	<10.00	<10.00
62. Methyl Parathion	<10.00	<10.00
63. 1,4-Naphthoquinone	<10.00	<10.00
64. 1-Naphthylamine	<10.00	<10.00
65. 2-Naphthylamine	<10.00	<10.00
66. 2-Nitroaniline	<50.00	<50.00
67. 3-Nitroaniline	<50.00	<50.00
68. 4-Nitroaniline	<20.00	<20.00
69. 5-Nitro-O-Toluidine	<10.00	<10.00
70. N-Nitroso-n-butlyamine	<10.00	<10.00
71. N-Nitrosodiethylamine	<20.00	<20.00
72. N-Nitrosomethylethylamine	<10.00	<10.00
73. N-Nitrosopiperidine	<20.00	<20.00
74. N-Nitrosopyrrolidine	<10.00	<10.00
75. Parathion	<10.00	<10.00
76. Pentachlorobenzene	<10.00	<10.00
77. Pentachloronitrobenzene	<20.00	<20.00
78. Phenacetin	<20.00	<20.00
79. 1,4-Phenylenediamine	<10.00	<10.00
80. Phorate	<10.00	<10.00
81. Pronamide	<10.00	<10.00
82. Safrole	<10.00	<10.00
83. 1,2,4,5-Tetrachlorobenzene	<10.00	<10.00
84. Thionazin	<20.00	<20.00
85. O-Toluidine	<10.00	<10.00
86. 1,3,5-Trinitrobenzene	<10.00	<10.00
87. 0,0,0-Triethyl Phosphorothioate	<10.00	<10.00
88. Hexachloroethane	<10.00	<10.00
89. Isodrin	<20.00	<20.00

Environment 1, Incorporated

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

CLIENT ID: 6062 A

ANALYST: MAO
DATE COLLECTED: 04/19/07
DATE ANALYZED: 05/02/07
DATE REPORTED: 05/24/07

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MW-9	MW-10
1. Chloromethane	<5.00	<5.00
2. Vinyl Chloride	32.90	<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	44.40	6.30
13. Vinyl Acetate	<50.00	<50.00
14. Cis-1,2-Dichloroethene	<5.00	7.40
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	4.40	<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	8.40	<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
48. Acrolein	<50.00	<50.00

[redacted]

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

CLIENT ID: 6062 A

ANALYST: MAO
DATE COLLECTED: 04/19/07
DATE ANALYZED: 05/02/07
DATE REPORTED: 05/24/07

REVIEWED BY: _____

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MW-9	MW-10
49. Allyl Chloride	<10.00	<10.00
50. Chloroprene	<20.00	<20.00
51. 1,3-Dichlorobenzene	<5.00	<5.00
52. Dichlorodifluoromethane	<5.00	<5.00
53. 1,3-Dichloropropane	<3.00	<3.00
54. 2,2-Dichloropropane	<15.00	<15.00
55. 1,1-Dichloropropene	<5.00	<5.00
56. Ethyl Methacrylate	<10.00	<10.00
57. Hexachlorobutadiene	<10.00	<10.00
58. Isobutyl Alcohol	<100.00	<100.00
59. Methacrylonitrile	<100.00	<100.00
60. Methyl Methacrylate	<30.00	<30.00
61. Naphthalene	<10.00	<10.00
62. Propionitrile	<150.00	<150.00
63. 1,2,4-Trichlorobenzene	<10.00	<10.00
64. Acetonitrile	<50.00	<50.00

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: 6062 A **Week: 16**

NORTH WAKE UNLINED 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)																							
CONTAINER TYPE, P/G																							
CHEMICAL PRESERVATION																							
PARAMETERS	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Field pH	Metals	Conductivity	Temperature	Field Parameter	EPA 8081A	8081A Duplicate	8270C B\N	8260B App. II	8260 App. II 1	8260 App. II 2	8151A Landfill				
SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME																	
MW-9 04	19 07	1220		17	9	G	G	G	G	G	G	G	G	G	G	G			
MW-10 04	19 07	1255		17	8	G	G	G	G	G	G	G	G	G		G			
~~MW-10D~~					8														
~~MW-11S~~					8														
MW-11D					8														
~~MW-22~~					8														
~~MW-23~~					8														
MW-23D					8														

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

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

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY: Y N

SAMPLES COLLECTED BY: (Please Print) N Boe / FOT

SAMPLES RECEIVED IN LAB AT 3.0 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob Hilgoe 04	1907	Anthe Lam	4/20/07 8:00
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:

Instructions for completing this form are on the reverse side.

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

№ 144480

FORM #5

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6062 A

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

DATE COLLECTED: 04/20/07
DATE REPORTED : 05/24/07

REVIEWED BY:

PARAMETERS	MW-10D	MW-11S	MW-11D	MW-22	MW-23	Analysis Date	Analyst	Method Code
PH (field measurement), Units	6.0	5.8	6.1	5.7	5.4	04/20/07	RJH	SM4500HB
Antimony, ug/l	<6.0	<6.0	<6.0	<6.0	<6.0	04/30/07	LFJ	EPA200.8
Arsenic, ug/l	< 10	< 10	< 10	< 10	< 10	04/30/07	LFJ	EPA200.8
Barium, ug/l	< 100	< 100	< 100	< 100	133	04/30/07	LFJ	EPA200.8
Beryllium, ug/l	<1.0	<1.0	<1.0	<1.0	2	04/30/07	LFJ	EPA200.8
Cadmium, ug/l	<1.0	<1.0	<1.0	2	<1.0	04/30/07	LFJ	EPA200.8
Cobalt, ug/l	< 10	< 10	< 10	< 10	< 10	04/30/07	LFJ	EPA200.8
Copper, ug/l	< 10	< 10	< 10	< 10	23	04/30/07	LFJ	EPA200.8
Total Chromium, ug/l	< 10	< 10	< 10	< 10	10	04/30/07	LFJ	EPA200.8
Lead, ug/l	< 10	< 10	< 10	< 10	29	04/30/07	LFJ	EPA200.8
Mercury, ug/l	<0.2	<0.2	<0.2		<0.2	04/30/07	LFJ	EPA200.8
Mercury, ug/l				<0.2		05/08/07	ADD	EPA245.1
Nickel, ug/l	< 50	< 50	< 50	< 50	< 50	04/30/07	LFJ	EPA200.8
Selenium, ug/l	< 10	< 10	< 10	< 10	< 10	04/30/07	LFJ	EPA200.8
Silver, ug/l	< 10	< 10	< 10	< 10	< 10	04/30/07	LFJ	EPA200.8
Thallium, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	04/30/07	LFJ	EPA200.8
Vanadium, ug/l	< 25	< 25	< 25	< 25	28	04/30/07	LFJ	EPA200.8
Zinc, ug/l	< 10	21	< 10	20	102	04/30/07	LFJ	EPA200.8
Conductivity (at 25c), uMhos	172	81	110	138	65	04/20/07	RJH	SM2510B
Temperature, °C	16	18	18	15	15	04/20/07	RJH	SM2550B
Static Water Level, feet	44.69	42.75	42.91	33.56	42.62	04/20/07	RJH	
Well Depth, feet	95.10	54.25	68.26	38.54	51.96	04/20/07	RJH	

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6062 A

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

DATE COLLECTED: 04/20/07
DATE REPORTED : 05/24/07

REVIEWED BY:

PARAMETERS	MW-23D Analysis	Date	Analyst	Method Code
PH (field measurement), Units	5.8	04/20/07	RJH	SM4500HB
Antimony, ug/l	<6.0	04/30/07	LFJ	EPA200.8
Arsenic, ug/l	< 10	04/30/07	LFJ	EPA200.8
Barium, ug/l	< 100	04/30/07	LFJ	EPA200.8
Beryllium, ug/l	<1.0	04/30/07	LFJ	EPA200.8
Cadmium, ug/l	<1.0	04/30/07	LFJ	EPA200.8
Cobalt, ug/l	< 10	04/30/07	LFJ	EPA200.8
Copper, ug/l	< 10	04/30/07	LFJ	EPA200.8
Total Chromium, ug/l	< 10	04/30/07	LFJ	EPA200.8
Lead, ug/l	< 10	04/30/07	LFJ	EPA200.8
Mercury, ug/l	<0.2	04/30/07	LFJ	EPA200.8
Nickel, ug/l	< 50	04/30/07	LFJ	EPA200.8
Selenium, ug/l	< 10	04/30/07	LFJ	EPA200.8
Silver, ug/l	< 10	04/30/07	LFJ	EPA200.8
Thallium, ug/l	<5.0	04/30/07	LFJ	EPA200.8
Vanadium, ug/l	< 25	04/30/07	LFJ	EPA200.8
Zinc, ug/l	< 10	04/30/07	LFJ	EPA200.8
Conductivity (at 25c), uMhos	149	04/20/07	RJH	SM2510B
Temperature, °C	16	04/20/07	RJH	SM2550B
Static Water Level, feet	43.11	04/20/07	RJH	
Well Depth, feet	92.00	04/20/07	RJH	

Environment 1, Incorporated

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

CLIENT ID: 6062 A

ANALYST: CHS
DATE COLLECTED: 04/20/07
DATE EXTRACTED: 04/24/07
DATE REPORTED: 05/24/07

Page: 1

REVIEWED BY:

PESTICIDES AND PCB'S
EPA METHOD 8081A

Date Analyzed: / PARAMETERS, ug/l	05/02/07 MW-10D	05/18/07 MW-11S	05/18/07 MW-11D	05/18/07 MW-22	05/18/07 MW-23
1. Aldrin	<0.05	<0.05	<0.05	<0.05	<0.05
2. Alpha-BHC	<0.05	<0.05	<0.05	<0.05	<0.05
3. Beta-BHC	<0.05	<0.05	<0.05	<0.05	<0.05
4. Delta-BHC	<0.05	<0.05	<0.05	<0.05	<0.05
5. Gamma-BHC (Lindane)	<0.05	<0.05	<0.05	<0.05	<0.05
6. Chlordane	<0.50	<0.50	<0.50	<0.50	<0.50
7. 4,4-DDD	<0.10	<0.10	<0.10	<0.10	<0.10
8. 4,4-DDE	<0.10	<0.10	<0.10	<0.10	<0.10
9. 4,4-DDT	<0.10	<0.10	<0.10	<0.10	<0.10
10. Dieldrin	<0.07	<0.07	<0.07	<0.07	<0.07
11. Endosulfan I	<0.10	<0.10	<0.10	<0.10	<0.10
12. Endosulfan II	<0.10	<0.10	<0.10	<0.10	<0.10
13. Endosulfan Sulfate	<0.10	<0.10	<0.10	<0.10	<0.10
14. Endrin	<0.10	<0.10	<0.10	<0.10	<0.10
15. Endrin Aldehyde	<0.10	<0.10	<0.10	<0.10	<0.10
16. Heptachlor	<0.05	<0.05	<0.05	<0.05	<0.05
17. Hepthchlor Epoxide	<0.07	<0.07	<0.07	<0.07	<0.07
18. Methoxychlor	<1.00	<1.00	<1.00	<1.00	<1.00
19. Pcb's (Aroclors)	<2.00	<2.00	<2.00	<2.00	<2.00
20. Toxaphene	<1.00	<1.00	<1.00	<1.00	<1.00

NOTE: Surrogate recovery for MW-22 outside control limits

Environment 1, Incorporated

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

CLIENT ID: 6062 A

ANALYST: CHS
DATE COLLECTED: 04/20/07
DATE EXTRACTED: 04/24/07
DATE REPORTED: 05/24/07

REVIEWED BY:

PESTICIDES AND PCB'S
EPA METHOD 8081A

PARAMETERS, ug/l	Date Analyzed: 05/18/07 MW-23D
1. Aldrin	<0.05
2. Alpha-BHC	<0.05
3. Beta-BHC	<0.05
4. Delta-BHC	<0.05
5. Gamma-BHC (Lindane)	<0.05
6. Chlordane	<0.50
7. 4,4-DDD	<0.10
8. 4,4-DDE	<0.10
9. 4,4-DDT	<0.10
10. Dieldrin	<0.07
11. Endosulfan I	<0.10
12. Endosulfan II	<0.10
13. Endosulfan Sulfate	<0.10
14. Endrin	<0.10
15. Endrin Aldehyde	<0.10
16. Heptachlor	<0.05
17. Hepthchlor Epoxide	<0.07
18. Methoxychlor	<1.00
19. Pcb's (Aroclors)	<2.00
20. Toxaphene	<1.00

Environment 1, Incorporated

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

REVIEWED BY:

CLIENT ID: 6062 A

ANALYST: CHS
DATE COLLECTED: 04/20/07
DATE EXTRACTED: 04/25/07
DATE ANALYZED: 05/04/07
DATE REPORTED: 05/24/07

LANDFILL APPENDIX II
EPA METHOD 8151A

PARAMETERS, ug/l	MW-10D	MW-11S	MW-11D	MW-22	MW-23
1. 2,4-D	<2.00	<2.00	<2.00	<2.00	<2.00
2. Dinoseb	<1.00	<1.00	<1.00	<1.00	<1.00
3. 2,4,5-TP	<2.00	<2.00	<2.00	<2.00	<2.00
4. 2,4,5-T	<2.00	<2.00	<2.00	<2.00	<2.00

Environment 1, Incorporated

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4011 WESTCHASE BLVD, SUITE 500
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REVIEWED BY:

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DATE ANALYZED: 05/04/07
DATE REPORTED: 05/24/07

LANDFILL APPENDIX II
EPA METHOD 8151A

PARAMETERS, ug/l	MW-23D
1. 2,4-D	<2.00
2. Dinoseb	<1.00
3. 2,4,5-TP	<2.00
4. 2,4,5-T	<2.00

Environment 1, Incorporated

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

REVIEWED BY:

CLIENT ID: 6062 A

ANALYST: CHS
DATE COLLECTED: 04/20/07
DATE EXTRACTED: 04/24/07
DATE ANALYZED: 04/29/07
DATE REPORTED: 05/24/07

BASE/NEUTRAL COMPOUNDS
EPA METHOD 8270C

PARAMETERS, ug/l	MW-10D	MW-11S	MW-11D	MW-22	MW-23
1. Acenaphthene	<10.00	<10.00	<10.00	<10.00	<10.00
2. Acenaphthylene	<10.00	<10.00	<10.00	<10.00	<10.00
3. Anthracene	<10.00	<10.00	<10.00	<10.00	<10.00
4. Benzo[a]antrhacene	<10.00	<10.00	<10.00	<10.00	<10.00
5. Benzo[b]fluoranthene	<10.00	<10.00	<10.00	<10.00	<10.00
6. Benzo[k]fluoranthene	<10.00	<10.00	<10.00	<10.00	<10.00
7. Benzo[g,h,i]perylene	<10.00	<10.00	<10.00	<10.00	<10.00
8. Benzo[a]pyrene	<10.00	<10.00	<10.00	<10.00	<10.00
9. 4-Bromophenyl Phenyl Ether	<10.00	<10.00	<10.00	<10.00	<10.00
10. Butyl Benzyl Phthalate	<10.00	<10.00	<10.00	<10.00	<10.00
11. Bis-(2-Chloroethoxy) Methane	<10.00	<10.00	<10.00	<10.00	<10.00
12. Bis-(2-Chloroethyl) Ether	<10.00	<10.00	<10.00	<10.00	<10.00
13. Bis-(2-Chloroisopropyl) Ether	<10.00	<10.00	<10.00	<10.00	<10.00
14. 2-Chloronaphthalene	<10.00	<10.00	<10.00	<10.00	<10.00
15. 4-Chlorophenyl Phenyl Ether	<10.00	<10.00	<10.00	<10.00	<10.00
16. Chrysene	<10.00	<10.00	<10.00	<10.00	<10.00
17. Dibenzo[a,h]anthracene	<10.00	<10.00	<10.00	<10.00	<10.00
18. Di-N-Butyl Phthalate	<10.00	<10.00	<10.00	<10.00	<10.00
19. Dimethyl Phthalate	<10.00	<10.00	<10.00	<10.00	<10.00
20. Diethyl Phthalate	<10.00	<10.00	<10.00	<10.00	<10.00
21. 2,4-Dinitrotoluene	<10.00	<10.00	<10.00	<10.00	<10.00
22. 2,6-Dinitrotoluene	<10.00	<10.00	<10.00	<10.00	<10.00
23. Di-N-Octyl Phthalate	<10.00	<10.00	<10.00	<10.00	<10.00
24. Bis-(2-Ethylhexyl) Phthalate	19.90	<15.00	24.50	<15.00	<15.00
25. Fluoranthene	<10.00	<10.00	<10.00	<10.00	<10.00
26. Fluorene	<10.00	<10.00	<10.00	<10.00	<10.00
27. Hexachlorobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
28. Hexachlorocyclopentadiene	<10.00	<10.00	<10.00	<10.00	<10.00
29. Indeno[1,2,3-Cd]pyrene	<10.00	<10.00	<10.00	<10.00	<10.00
30. Isophorone	<10.00	<10.00	<10.00	<10.00	<10.00
31. Nitrobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
32. N-Nitrosodimethylamine	<10.00	<10.00	<10.00	<10.00	<10.00
33. N-Nitrosodiphenylamine	<10.00	<10.00	<10.00	<10.00	<10.00
34. N-Nitrosodi-N-Propylamine	<10.00	<10.00	<10.00	<10.00	<10.00
35. Phenanthrene	<10.00	<10.00	<10.00	<10.00	<10.00
36. Pyrene	<10.00	<10.00	<10.00	<10.00	<10.00
37. Ethyl Methanesulfonate	<10.00	<10.00	<10.00	<10.00	<10.00
38. Methyl Methanesulfonate	<10.00	<10.00	<10.00	<10.00	<10.00
39. Acetophenone	<10.00	<10.00	<10.00	<10.00	<10.00
40. 2-Acetylaminofluorene	<20.00	<20.00	<20.00	<20.00	<20.00
41. 4-Aminobiphenyl	<15.00	<15.00	<15.00	<15.00	<15.00
42. Benzyl Alcohol	<20.00	<20.00	<20.00	<20.00	<20.00
43. 4-Chloroaniline	<20.00	<20.00	<20.00	<20.00	<20.00
44. Chlorobenzilate	<10.00	<10.00	<10.00	<10.00	<10.00
45. Diallate	<10.00	<10.00	<10.00	<10.00	<10.00
46. Dibenzofuran	<10.00	<10.00	<10.00	<10.00	<10.00
47. 3,3-Dichlorobenzidine	<20.00	<20.00	<20.00	<20.00	<20.00
48. Dimethoate	<20.00	<20.00	<20.00	<20.00	<20.00

Environment 1, Incorporated

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

REVIEWED BY:

CLIENT ID: 6062 A

ANALYST: CHS
DATE COLLECTED: 04/20/07
DATE EXTRACTED: 04/24/07
DATE ANALYZED: 04/29/07
DATE REPORTED: 05/24/07

BASE/NEUTRAL COMPOUNDS
EPA METHOD 8270C

PARAMETERS, ug/l	MW-10D	MW-11S	MW-11D	MW-22	MW-23
49. P-Dimethylaminoazobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
50. 7,12-Dimethylbenz[a]anthracene	<10.00	<10.00	<10.00	<10.00	<10.00
51. 3,3-Dimethylbenzadine	<10.00	<10.00	<10.00	<10.00	<10.00
52. 1,3-Dinitrobenzene	<20.00	<20.00	<20.00	<20.00	<20.00
53. Diphenylamine	<10.00	<10.00	<10.00	<10.00	<10.00
54. Disulfoton	<10.00	<10.00	<10.00	<10.00	<10.00
55. Famphur	<20.00	<20.00	<20.00	<20.00	<20.00
56. Hexachloropropene	<10.00	<10.00	<10.00	<10.00	<10.00
57. Isosafrole	<10.00	<10.00	<10.00	<10.00	<10.00
58. Kepone	<20.00	<20.00	<20.00	<20.00	<20.00
59. Methapyrilene	<100.00	<100.00	<100.00	<100.00	<100.00
60. 3-Methylchloroanthrene	<10.00	<10.00	<10.00	<10.00	<10.00
61. 2-Methylnaphthalene	<10.00	<10.00	<10.00	<10.00	<10.00
62. Methyl Parathion	<10.00	<10.00	<10.00	<10.00	<10.00
63. 1,4-Naphthoquinone	<10.00	<10.00	<10.00	<10.00	<10.00
64. 1-Naphthylamine	<10.00	<10.00	<10.00	<10.00	<10.00
65. 2-Naphthylamine	<10.00	<10.00	<10.00	<10.00	<10.00
66. 2-Nitroaniline	<50.00	<50.00	<50.00	<50.00	<50.00
67. 3-Nitroaniline	<50.00	<50.00	<50.00	<50.00	<50.00
68. 4-Nitroaniline	<20.00	<20.00	<20.00	<20.00	<20.00
69. 5-Nitro-O-Toluidine	<10.00	<10.00	<10.00	<10.00	<10.00
70. N-Nitroso-n-butlyamine	<10.00	<10.00	<10.00	<10.00	<10.00
71. N-Nitrosodiethylamine	<20.00	<20.00	<20.00	<20.00	<20.00
72. N-Nitrosomethylethylamine	<10.00	<10.00	<10.00	<10.00	<10.00
73. N-Nitrosopiperidine	<20.00	<20.00	<20.00	<20.00	<20.00
74. N-Nitrosopyrrolidine	<10.00	<10.00	<10.00	<10.00	<10.00
75. Parathion	<10.00	<10.00	<10.00	<10.00	<10.00
76. Pentachlorobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
77. Pentachloronitrobenzene	<20.00	<20.00	<20.00	<20.00	<20.00
78. Phenacetin	<20.00	<20.00	<20.00	<20.00	<20.00
79. 1,4-Phenylenediamine	<10.00	<10.00	<10.00	<10.00	<10.00
80. Phorate	<10.00	<10.00	<10.00	<10.00	<10.00
81. Pronamide	<10.00	<10.00	<10.00	<10.00	<10.00
82. Safrole	<10.00	<10.00	<10.00	<10.00	<10.00
83. 1,2,4,5-Tetrachlorobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
84. Thionazin	<20.00	<20.00	<20.00	<20.00	<20.00
85. O-Toluidine	<10.00	<10.00	<10.00	<10.00	<10.00
86. 1,3,5-Trinitrobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
87. 0,0,0-Triethyl Phosphorothioate	<10.00	<10.00	<10.00	<10.00	<10.00
88. Hexachloroethane	<10.00	<10.00	<10.00	<10.00	<10.00
89. Isodrin	<20.00	<20.00	<20.00	<20.00	<20.00

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

REVIEWED BY:

CLIENT ID: 6062 A

ANALYST: CHS
DATE COLLECTED: 04/20/07
DATE EXTRACTED: 04/24/07
DATE ANALYZED: 04/29/07
DATE REPORTED: 05/24/07

BASE/NEUTRAL COMPOUNDS
EPA METHOD 8270C

PARAMETERS, ug/l	MW-23D
1. Acenaphthene	<10.00
2. Acenaphthylene	<10.00
3. Anthracene	<10.00
4. Benzo[a]antrhacene	<10.00
5. Benzo[b]fluoranthene	<10.00
6. Benzo[k]fluoranthene	<10.00
7. Benzo[g,h,i]perylene	<10.00
8. Benzo[a]pyrene	<10.00
9. 4-Bromophenyl Phenyl Ether	<10.00
10. Butyl Benzyl Phthalate	<10.00
11. Bis-(2-Chloroethoxy) Methane	<10.00
12. Bis-(2-Chloroethyl) Ether	<10.00
13. Bis-(2-Chloroisopropyl) Ether	<10.00
14. 2-Chloronaphthalene	<10.00
15. 4-Chlorophenyl Phenyl Ether	<10.00
16. Chrysene	<10.00
17. Dibenzo[a,h]anthracene	<10.00
18. Di-N-Butyl Phthalate	<10.00
19. Dimethyl Phthalate	<10.00
20. Diethyl Phthalate	<10.00
21. 2,4-Dinitrotoluene	<10.00
22. 2,6-Dinitrotoluene	<10.00
23. Di-N-Octyl Phthalate	<10.00
24. Bis-(2-Ethylhexyl) Phthalate	<15.00
25. Fluoranthene	<10.00
26. Fluorene	<10.00
27. Hexachlorobenzene	<10.00
28. Hexachlorocyclopentadiene	<10.00
29. Indeno[1,2,3-Cd]pyrene	<10.00
30. Isophorone	<10.00
31. Nitrobenzene	<10.00
32. N-Nitrosodimethylamine	<10.00
33. N-Nitrosodiphenylamine	<10.00
34. N-Nitrosodi-N-Propylamine	<10.00
35. Phenanthrene	<10.00
36. Pyrene	<10.00
37. Ethyl Methanesulfonate	<10.00
38. Methyl Methanesulfonate	<10.00
39. Acetophenone	<10.00
40. 2-Acetylaminofluorene	<20.00
41. 4-Aminobiphenyl	<15.00
42. Benzyl Alcohol	<20.00
43. 4-Chloroaniline	<20.00
44. Chlorobenzilate	<10.00
45. Diallate	<10.00
46. Dibenzofuran	<10.00
47. 3,3-Dichlorobenzidine	<20.00
48. Dimethoate	<20.00

Environment 1, Incorporated

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

REVIEWED BY:

CLIENT ID: 6062 A

ANALYST: CHS
DATE COLLECTED: 04/20/07
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DATE ANALYZED: 04/29/07
DATE REPORTED: 05/24/07

BASE/NEUTRAL COMPOUNDS
EPA METHOD 8270C

PARAMETERS, ug/l	MW-23D
49. P-Dimethylaminoazobenzene	<10.00
50. 7,12-Dimethylbenz[a]anthracene	<10.00
51. 3,3-Dimethylbenzadine	<10.00
52. 1,3-Dinitrobenzene	<20.00
53. Diphenylamine	<10.00
54. Disulfoton	<10.00
55. Famphur	<20.00
56. Hexachloropropene	<10.00
57. Isosafrole	<10.00
58. Kepone	<20.00
59. Methapyrilene	<100.00
60. 3-Methylchloroanthrene	<10.00
61. 2-Methylnaphthalene	<10.00
62. Methyl Parathion	<10.00
63. 1,4-Naphthoquinone	<10.00
64. 1-Naphthylamine	<10.00
65. 2-Naphthylamine	<10.00
66. 2-Nitroaniline	<50.00
67. 3-Nitroaniline	<50.00
68. 4-Nitroaniline	<20.00
69. 5-Nitro-O-Toluidine	<10.00
70. N-Nitroso-n-butlyamine	<10.00
71. N-Nitrosodiethylamine	<20.00
72. N-Nitrosomethylethylamine	<10.00
73. N-Nitrosopiperidine	<20.00
74. N-Nitrosopyrrolidine	<10.00
75. Parathion	<10.00
76. Pentachlorobenzene	<10.00
77. Pentachloronitrobenzene	<20.00
78. Phenacetin	<20.00
79. 1,4-Phenylenediamine	<10.00
80. Phorate	<10.00
81. Pronamide	<10.00
82. Safrole	<10.00
83. 1,2,4,5-Tetrachlorobenzene	<10.00
84. Thionazin	<20.00
85. O-Toluidine	<10.00
86. 1,3,5-Trinitrobenzene	<10.00
87. 0,0,0-Triethyl Phosphorothioate	<10.00
88. Hexachloroethane	<10.00
89. Isodrin	<20.00

Environment 1, Incorporated

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

CLIENT ID: 6062 A

ANALYST: MAO
DATE COLLECTED: 04/20/07
DATE ANALYZED: 05/02/07
DATE REPORTED: 05/24/07

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MW-10D	MW-11S	MW-11D	MW-22	MW-23
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
48. Acrolein	<50.00	<50.00	<50.00	<50.00	<50.00

Environment 1, Incorporated

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

CLIENT ID: 6062 A

ANALYST: MAO
DATE COLLECTED: 04/20/07
DATE ANALYZED: 05/02/07
DATE REPORTED: 05/24/07

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MW-10D	MW-11S	MW-11D	MW-22	MW-23
49. Allyl Chloride	<10.00	<10.00	<10.00	<10.00	<10.00
50. Chloroprene	<20.00	<20.00	<20.00	<20.00	<20.00
51. 1,3-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
52. Dichlorodifluoromethane	<5.00	<5.00	<5.00	<5.00	<5.00
53. 1,3-Dichloropropane	<3.00	<3.00	<3.00	<3.00	<3.00
54. 2,2-Dichloropropane	<15.00	<15.00	<15.00	<15.00	<15.00
55. 1,1-Dichloropropene	<5.00	<5.00	<5.00	<5.00	<5.00
56. Ethyl Methacrylate	<10.00	<10.00	<10.00	<10.00	<10.00
57. Hexachlorobutadiene	<10.00	<10.00	<10.00	<10.00	<10.00
58. Isobutyl Alcohol	<100.00	<100.00	<100.00	<100.00	<100.00
59. Methacrylonitrile	<100.00	<100.00	<100.00	<100.00	<100.00
60. Methyl Methacrylate	<30.00	<30.00	<30.00	<30.00	<30.00
61. Naphthalene	<10.00	<10.00	<10.00	<10.00	<10.00
62. Propionitrile	<150.00	<150.00	<150.00	<150.00	<150.00
63. 1,2,4-Trichlorobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
64. Acetonitrile	<50.00	<50.00	<50.00	<50.00	<50.00

Environment 1, Incorporated

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

CLIENT ID: 6062 A

ANALYST: MAO
DATE COLLECTED: 04/20/07
DATE ANALYZED: 05/02/07
DATE REPORTED: 05/24/07

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

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

Environment 1, Incorporated

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

CLIENT ID: 6062 A

ANALYST: MAO
DATE COLLECTED: 04/20/07
DATE ANALYZED: 05/02/07
DATE REPORTED: 05/24/07

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MW-23D
49. Allyl Chloride	<10.00
50. Chloroprene	<20.00
51. 1,3-Dichlorobenzene	<5.00
52. Dichlorodifluoromethane	<5.00
53. 1,3-Dichloropropane	<3.00
54. 2,2-Dichloropropane	<15.00
55. 1,1-Dichloropropene	<5.00
56. Ethyl Methacrylate	<10.00
57. Hexachlorobutadiene	<10.00
58. Isobutyl Alcohol	<100.00
59. Methacrylonitrile	<100.00
60. Methyl Methacrylate	<30.00
61. Naphthalene	<10.00
62. Propionitrile	<150.00
63. 1,2,4-Trichlorobenzene	<10.00
64. Acetonitrile	<50.00

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: 6062 A **Week: 16**

NORTH WAKE UNLINED 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	Field Parameter	EPA 8081A	8081A Duplicate	8270C BN	8260B App. II	8260 App. II 1	8260 App. II 2	8151A Landfill
CHLORINE NEUTRALIZED AT COLLECTION																	
pH CHECK (LAB)														L2	L2	L2	
CONTAINER TYPE, P/G						P	P	P	P		G	G	G	G	G	G	G
CHEMICAL PRESERVATION						A	B	A	A		A	A	A	E	E	E	A
~~MW-9~~					9												
~~MW-10~~					8												
MW-10D	04 2007	0920		16	8	G	G	G	G	G	G	G	G	G	G		G
MW-11S	04 2007	1230		18	8	G	G	G	G	G	G	G	G	G	G		G
MW-11D	04 2007	1245		18	8	G	G	G	G	G	G	G	G	G	G		G
MW-22	04 2007	0855		15	8	G	G	G	G	G	G	G	G	G	G		G
MW-23	04 2007	0830		15	8	G	G	G	G	G	G	G	G	G	G		G
MW-23D	04 2007	0815		16	8	G	G	G	G	G	G	G	G	G	G		G

PARAMETERS

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

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

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

SAMPLES COLLECTED BY: (Please Print) Bob Hogge / Fox

SAMPLES RECEIVED IN LAB AT 5.0 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob Hogge	04 20 07 3:10	[signature]	4/20/07 3:10
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.

№ 144480

FORM #5

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6062 B

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

DATE COLLECTED: 04/19/07
DATE REPORTED : 05/24/07

REVIEWED BY:

PARAMETERS	MW-24	TB-1A	Analysis Date	Analyst	Method Code
PH (field measurement), Units	5.8	6.0	04/19/07	RJH	SM4500HB
Antimony, ug/l	<6.0	<6.0	04/30/07	CMF	EPA200.8
Arsenic, ug/l	< 10	< 10	04/30/07	CMF	EPA200.8
Barium, ug/l	< 100	205	04/30/07	CMF	EPA200.8
Beryllium, ug/l	1	<1.0	04/30/07	CMF	EPA200.8
Cadmium, ug/l	<1.0	39	04/30/07	CMF	EPA200.8
Cobalt, ug/l	< 10	< 10	04/30/07	CMF	EPA200.8
Copper, ug/l	< 10	88	04/30/07	CMF	EPA200.8
Total Chromium, ug/l	< 10	14	04/30/07	CMF	EPA200.8
Lead, ug/l	14	< 10	04/30/07	CMF	EPA200.8
Mercury, ug/l	0.68	1.9	05/08/07	ADD	EPA245.1
Nickel, ug/l	< 50	< 50	04/30/07	CMF	EPA200.8
Selenium, ug/l	< 10	< 10	04/30/07	CMF	EPA200.8
Silver, ug/l	<10	<10	04/30/07	CMF	EPA200.8
Thallium, ug/l	<5.0	<5.0	04/30/07	CMF	EPA200.8
Vanadium, ug/l	< 25	30	04/30/07	CMF	EPA200.8
Zinc, ug/l	112	262	04/30/07	CMF	EPA200.8
Conductivity (at 25c), uMhos	88	118	04/19/07	RJH	SM2510B
Temperature, °C	16	16	04/19/07	RJH	SM2550B
Static Water Level, feet	43.03	25.65	04/19/07	RJH	
Well Depth, feet	48.35	30.29	04/19/07	RJH	

Environment 1, Incorporated

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

REVIEWED BY:

CLIENT ID: 6062 B

ANALYST: CHS
DATE COLLECTED: 04/19/07
DATE EXTRACTED: 04/24/07
DATE ANALYZED: 05/18/07
DATE REPORTED: 05/24/07

PESTICIDES AND PCB'S
EPA METHOD 8081A

PARAMETERS, ug/l	MW-24	TB-1A
1. Aldrin	<0.05	<0.05
2. Alpha-BHC	<0.05	<0.05
3. Beta-BHC	<0.05	<0.05
4. Delta-BHC	<0.05	<0.05
5. Gamma-BHC (Lindane)	<0.05	<0.05
6. Chlordane	<0.50	<0.50
7. 4,4-DDD	<0.10	<0.10
8. 4,4-DDE	<0.10	<0.10
9. 4,4-DDT	<0.10	<0.10
10. Dieldrin	<0.07	<0.07
11. Endosulfan I	<0.10	<0.10
12. Endosulfan II	<0.10	<0.10
13. Endosulfan Sulfate	<0.10	<0.10
14. Endrin	<0.10	<0.10
15. Endrin Aldehyde	<0.10	<0.10
16. Heptachlor	<0.05	<0.05
17. Hepthchlor Epoxide	<0.07	<0.07
18. Methoxychlor	<1.00	<1.00
19. Pcb's (Aroclors)	<2.00	<2.00
20. Toxaphene	<1.00	<1.00

Environment 1, Incorporated

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

REVIEWED BY:

CLIENT ID: 6062 B

ANALYST: CHS
DATE COLLECTED: 04/19/07
DATE EXTRACTED: 04/25/07
DATE ANALYZED: 05/04/07
DATE REPORTED: 05/24/07

LANDFILL APPENDIX II
EPA METHOD 8151A

PARAMETERS, ug/l	MW-24	TB-1A
1. 2,4-D	<2.00	<2.00
2. Dinoseb	<1.00	<1.00
3. 2,4,5-TP	<2.00	<2.00
4. 2,4,5-T	<2.00	<2.00

Environment 1, Incorporated

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

REVIEWED BY:

CLIENT ID: 6062 B

ANALYST: CHS
DATE COLLECTED: 04/19/07
DATE EXTRACTED: 04/24/07
DATE ANALYZED: 04/29/07
DATE REPORTED: 05/24/07

BASE/NEUTRAL COMPOUNDS
EPA METHOD 8270C

PARAMETERS, ug/l	MW-24	TB-1A
1. Acenaphthene	<10.00	<10.00
2. Acenaphthylene	<10.00	<10.00
3. Anthracene	<10.00	<10.00
4. Benzo[a]antrhacene	<10.00	<10.00
5. Benzo[b]fluoranthene	<10.00	<10.00
6. Benzo[k]fluoranthene	<10.00	<10.00
7. Benzo[g,h,i]perylene	<10.00	<10.00
8. Benzo[a]pyrene	<10.00	<10.00
9. 4-Bromophenyl Phenyl Ether	<10.00	<10.00
10. Butyl Benzyl Phthalate	<10.00	<10.00
11. Bis-(2-Chloroethoxy) Methane	<10.00	<10.00
12. Bis-(2-Chloroethyl) Ether	<10.00	<10.00
13. Bis-(2-Chloroisopropyl) Ether	<10.00	<10.00
14. 2-Chloronaphthalene	<10.00	<10.00
15. 4-Chlorophenyl Phenyl Ether	<10.00	<10.00
16. Chrysene	<10.00	<10.00
17. Dibenzo[a,h]anthracene	<10.00	<10.00
18. Di-N-Butyl Phthalate	<10.00	<10.00
19. Dimethyl Phthalate	<10.00	<10.00
20. Diethyl Phthalate	<10.00	<10.00
21. 2,4-Dinitrotoluene	<10.00	<10.00
22. 2,6-Dinitrotoluene	<10.00	<10.00
23. Di-N-Octyl Phthalate	<10.00	<10.00
24. Bis-(2-Ethylhexyl) Phthalate	<15.00	<15.00
25. Fluoranthene	<10.00	<10.00
26. Fluorene	<10.00	<10.00
27. Hexachlorobenzene	<10.00	<10.00
28. Hexachlorocyclopentadiene	<10.00	<10.00
29. Indeno[1,2,3-Cd]pyrene	<10.00	<10.00
30. Isophorone	<10.00	<10.00
31. Nitrobenzene	<10.00	<10.00
32. N-Nitrosodimethylamine	<10.00	<10.00
33. N-Nitrosodiphenylamine	<10.00	<10.00
34. N-Nitrosodi-N-Propylamine	<10.00	<10.00
35. Phenanthrene	<10.00	<10.00
36. Pyrene	<10.00	<10.00
37. Ethyl Methanesulfonate	<10.00	<10.00
38. Methyl Methanesulfonate	<10.00	<10.00
39. Acetophenone	<10.00	<10.00
40. 2-Acetylaminofluorene	<20.00	<20.00
41. 4-Aminobiphenyl	<15.00	<15.00
42. Benzyl Alcohol	<20.00	<20.00
43. 4-Chloroaniline	<20.00	<20.00
44. Chlorobenzilate	<10.00	<10.00
45. Diallate	<10.00	<10.00
46. Dibenzofuran	<10.00	<10.00
47. 3,3-Dichlorobenzidine	<20.00	<20.00
48. Dimethoate	<20.00	<20.00

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

REVIEWED BY:

CLIENT ID: 6062 B

ANALYST: CHS
DATE COLLECTED: 04/19/07
DATE EXTRACTED: 04/24/07
DATE ANALYZED: 04/29/07
DATE REPORTED: 05/24/07

BASE/NEUTRAL COMPOUNDS
EPA METHOD 8270C

PARAMETERS, ug/l	MW-24	TB-1A
49. P-Dimethylaminoazobenzene	<10.00	<10.00
50. 7,12-Dimethylbenz[a]anthracene	<10.00	<10.00
51. 3,3-Dimethylbenzadine	<10.00	<10.00
52. 1,3-Dinitrobenzene	<20.00	<20.00
53. Diphenylamine	<10.00	<10.00
54. Disulfoton	<10.00	<10.00
55. Famphur	<20.00	<20.00
56. Hexachloropropene	<10.00	<10.00
57. Isosafrole	<10.00	<10.00
58. Kepone	<20.00	<20.00
59. Methapyrilene	<100.00	<100.00
60. 3-Methylchloroanthrene	<10.00	<10.00
61. 2-Methylnaphthalene	<10.00	<10.00
62. Methyl Parathion	<10.00	<10.00
63. 1,4-Naphthoquinone	<10.00	<10.00
64. 1-Naphthylamine	<10.00	<10.00
65. 2-Naphthylamine	<10.00	<10.00
66. 2-Nitroaniline	<50.00	<50.00
67. 3-Nitroaniline	<50.00	<50.00
68. 4-Nitroaniline	<20.00	<20.00
69. 5-Nitro-O-Toluidine	<10.00	<10.00
70. N-Nitroso-n-butlyamine	<10.00	<10.00
71. N-Nitrosodiethylamine	<20.00	<20.00
72. N-Nitrosomethylethylamine	<10.00	<10.00
73. N-Nitrosopiperidine	<20.00	<20.00
74. N-Nitrosopyrrolidine	<10.00	<10.00
75. Parathion	<10.00	<10.00
76. Pentachlorobenzene	<10.00	<10.00
77. Pentachloronitrobenzene	<20.00	<20.00
78. Phenacetin	<20.00	<20.00
79. 1,4-Phenylenediamine	<10.00	<10.00
80. Phorate	<10.00	<10.00
81. Pronamide	<10.00	<10.00
82. Safrole	<10.00	<10.00
83. 1,2,4,5-Tetrachlorobenzene	<10.00	<10.00
84. Thionazin	<20.00	<20.00
85. O-Toluidine	<10.00	<10.00
86. 1,3,5-Trinitrobenzene	<10.00	<10.00
87. 0,0,0-Triethyl Phosphorothioate	<10.00	<10.00
88. Hexachloroethane	<10.00	<10.00
89. Isodrin	<20.00	<20.00

Environment 1, Incorporated

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

CLIENT ID: 6062 B

ANALYST: MAO
DATE COLLECTED: 04/19/07
DATE ANALYZED: 05/02/07
DATE REPORTED: 05/24/07

REVIEWED BY: _____

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MW-24	TB-1A
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	11.40	22.50
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
48. Acrolein	<50.00	<50.00

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

CLIENT ID: 6062 B

ANALYST: MAO
DATE COLLECTED: 04/19/07
DATE ANALYZED: 05/02/07
DATE REPORTED: 05/24/07

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MW-24	TB-1A
49. Allyl Chloride	<10.00	<10.00
50. Chloroprene	<20.00	<20.00
51. 1,3-Dichlorobenzene	<5.00	<5.00
52. Dichlorodifluoromethane	<5.00	<5.00
53. 1,3-Dichloropropane	<3.00	<3.00
54. 2,2-Dichloropropane	<15.00	<15.00
55. 1,1-Dichloropropene	<5.00	<5.00
56. Ethyl Methacrylate	<10.00	<10.00
57. Hexachlorobutadiene	<10.00	<10.00
58. Isobutyl Alcohol	<100.00	<100.00
59. Methacrylonitrile	<100.00	<100.00
60. Methyl Methacrylate	<30.00	<30.00
61. Naphthalene	<10.00	<10.00
62. Propionitrile	<150.00	<150.00
63. 1,2,4-Trichlorobenzene	<10.00	<10.00
64. Acetonitrile	<50.00	<50.00

...nt ..., I...
...7085, 114 Oakmont Dr.
...ville, NC 27858
...hone (252) 756-6208 • Fax (252) 756-0633

CHAIN OF CUSTODY RECORD

CLIENT: 6062 B Week: 16

NORTH WAKE UNLINED 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	Field Parameter	EPA 8081A	8081A Duplicate	8270C B\N	8260B App. II	8260 App. II 1	8260 App. II 2	8151A Landfill
CHLORINE NEUTRALIZED AT COLLECTION																	
pH CHECK (LAB)							6							12	12	12	
CONTAINER TYPE, P/G						P	P	P	P		G	G	G	G	G	G	G
CHEMICAL PRESERVATION						A	B	A	A		A	A	A	E	E	E	A
MW-24 04	1907	1349		16	9	G	G	G	G	G	G	G	G	G	G	G	G
~~MW-29D~~					8												
MW-30					8												
MW-31					8												
~~MW-31D~~					8												
MW-32					8												
TB-1A 04	1907	1400		17	8	G	G	G	G	G	G	G	G	G	G		G
~~TB-1AD~~					9												

PARAMETERS

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

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

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY: Y N

SAMPLES COLLECTED BY: (Please Print) H Page / FOT

SAMPLES RECEIVED IN LAB AT 1.0 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob H Page 04	1907	[illegible]	4/19/07 8:00
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:

Instructions for completing this form are on the reverse side.

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

№ 144479

FORM #5

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6062 B

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

DATE COLLECTED: 04/20/07
DATE REPORTED : 05/24/07

REVIEWED BY:

PARAMETERS	MW-29D	MW-30	MW-31	MW-31D	MW-32	Analysis Date	Analyst	Method Code
PH (field measurement), Units	5.9	5.7	5.5	6.0	5.5	04/20/07	RJH	SM4500HB
Antimony, ug/l	<6.0	<6.0	<6.0	<6.0	<6.0	04/30/07	LFJ	EPA200.8
Arsenic, ug/l	< 10	< 10	< 10	< 10	< 10	04/30/07	LFJ	EPA200.8
Barium, ug/l	< 100	416	< 100	< 100	< 100	04/30/07	LFJ	EPA200.8
Beryllium, ug/l	<1.0	3	<1.0	<1.0	<1.0	04/30/07	LFJ	EPA200.8
Cadmium, ug/l	<1.0	<1.0	<1.0	<1.0	<1.0	04/30/07	LFJ	EPA200.8
Cobalt, ug/l	< 10	< 10	< 10	< 10	< 10	04/30/07	LFJ	EPA200.8
Copper, ug/l	16	60	< 10	< 10	18	04/30/07	LFJ	EPA200.8
Total Chromium, ug/l	< 10	43	< 10	< 10	< 10	04/30/07	LFJ	EPA200.8
Lead, ug/l	< 10	18	< 10	< 10	< 10	04/30/07	LFJ	EPA200.8
Mercury, ug/l	<0.2	<0.2	<0.2	<0.2	<0.2	04/30/07	LFJ	EPA200.8
Nickel, ug/l	< 50	< 50	< 50	< 50	< 50	04/30/07	LFJ	EPA200.8
Selenium, ug/l	< 10	< 10	< 10	< 10	< 10	04/30/07	LFJ	EPA200.8
Silver, ug/l	< 10	< 10	< 10	< 10	< 10	04/30/07	LFJ	EPA200.8
Thallium, ug/l	<5.0	<5.0	<5.0	<5.0	<5.0	04/30/07	LFJ	EPA200.8
Vanadium, ug/l	< 25	44	< 25	< 25	< 25	04/30/07	LFJ	EPA200.8
Zinc, ug/l	56	150	< 10	10	21	04/30/07	LFJ	EPA200.8
Conductivity (at 25c), uMhos	164	121	171	183	93	04/20/07	RJH	SM2510B
Temperature, °C	17	17	18	17	15	04/20/07	RJH	SM2550B
Static Water Level, feet	36.32	48.37	29.55	29.03	14.91	04/20/07	RJH	
Well Depth, feet	48.81	56.36	35.35	65.37	27.32	04/20/07	RJH	

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6062 B

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

DATE COLLECTED: 04/20/07
DATE REPORTED : 05/24/07

REVIEWED BY:

PARAMETERS	TB-1AD	Analysis Date	Analyst	Method Code
PH (field measurement), Units	5.9	04/20/07	RJH	SM4500HB
Antimony, ug/l	<6.0	04/30/07	LFJ	EPA200.8
Arsenic, ug/l	< 10	04/30/07	LFJ	EPA200.8
Barium, ug/l	< 100	04/30/07	LFJ	EPA200.8
Beryllium, ug/l	<1.0	04/30/07	LFJ	EPA200.8
Cadmium, ug/l	<1.0	04/30/07	LFJ	EPA200.8
Cobalt, ug/l	< 10	04/30/07	LFJ	EPA200.8
Copper, ug/l	< 10	04/30/07	LFJ	EPA200.8
Total Chromium, ug/l	< 10	04/30/07	LFJ	EPA200.8
Lead, ug/l	< 10	04/30/07	LFJ	EPA200.8
Mercury, ug/l	<0.2	04/30/07	LFJ	EPA200.8
Nickel, ug/l	< 50	04/30/07	LFJ	EPA200.8
Selenium, ug/l	< 10	04/30/07	LFJ	EPA200.8
Silver, ug/l	< 10	04/30/07	LFJ	EPA200.8
Thallium, ug/l	<5.0	04/30/07	LFJ	EPA200.8
Vanadium, ug/l	< 25	04/30/07	LFJ	EPA200.8
Zinc, ug/l	< 10	04/30/07	LFJ	EPA200.8
Conductivity (at 25c), uMhos	153	04/20/07	RJH	SM2510B
Temperature, °C	16	04/20/07	RJH	SM2550B
Static Water Level, feet	27.90	04/20/07	RJH	
Well Depth, feet	62.32	04/20/07	RJH	

Environment 1, Incorporated

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

REVIEWED BY:

CLIENT ID: 6062 B

ANALYST: CHS
DATE COLLECTED: 04/20/07
DATE EXTRACTED: 04/24/07
DATE ANALYZED: 05/18/07
DATE REPORTED: 05/24/07

PESTICIDES AND PCB'S
EPA METHOD 8081A

PARAMETERS, ug/l	MW-29D	MW-30	MW-31	MW-31D	MW-32
1. Aldrin	<0.05	<0.05	<0.05	<0.05	<0.05
2. Alpha-BHC	<0.05	<0.05	<0.05	<0.05	<0.05
3. Beta-BHC	<0.05	<0.05	<0.05	<0.05	<0.05
4. Delta-BHC	<0.05	<0.05	<0.05	<0.05	<0.05
5. Gamma-BHC (Lindane)	<0.05	<0.05	<0.05	<0.05	<0.05
6. Chlordane	<0.50	<0.50	<0.50	<0.50	<0.50
7. 4,4-DDD	<0.10	<0.10	<0.10	<0.10	<0.10
8. 4,4-DDE	<0.10	<0.10	<0.10	<0.10	<0.10
9. 4,4-DDT	<0.10	<0.10	<0.10	<0.10	<0.10
10. Dieldrin	<0.07	<0.07	<0.07	<0.07	<0.07
11. Endosulfan I	<0.10	<0.10	<0.10	<0.10	<0.10
12. Endosulfan II	<0.10	<0.10	<0.10	<0.10	<0.10
13. Endosulfan Sulfate	<0.10	<0.10	<0.10	<0.10	<0.10
14. Endrin	<0.10	<0.10	<0.10	<0.10	<0.10
15. Endrin Aldehyde	<0.10	<0.10	<0.10	<0.10	<0.10
16. Heptachlor	<0.05	<0.05	<0.05	<0.05	<0.05
17. Hepthchlor Epoxide	<0.07	<0.07	<0.07	<0.07	<0.07
18. Methoxychlor	<1.00	<1.00	<1.00	<1.00	<1.00
19. Pcb's (Aroclors)	<2.00	<2.00	<2.00	<2.00	<2.00
20. Toxaphene	<1.00	<1.00	<1.00	<1.00	<1.00

Environment 1, Incorporated

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

REVIEWED BY:

CLIENT ID: 6062 B

ANALYST: CHS
DATE COLLECTED: 04/20/07
DATE EXTRACTED: 04/24/07
DATE ANALYZED: 05/18/07
DATE REPORTED: 05/24/07

PESTICIDES AND PCB'S
EPA METHOD 8081A

PARAMETERS, ug/l	TB-1AD
1. Aldrin	<0.05
2. Alpha-BHC	<0.05
3. Beta-BHC	<0.05
4. Delta-BHC	<0.05
5. Gamma-BHC (Lindane)	<0.05
6. Chlordane	<0.50
7. 4,4-DDD	<0.10
8. 4,4-DDE	<0.10
9. 4,4-DDT	<0.10
10. Dieldrin	<0.07
11. Endosulfan I	<0.10
12. Endosulfan II	<0.10
13. Endosulfan Sulfate	<0.10
14. Endrin	<0.10
15. Endrin Aldehyde	<0.10
16. Heptachlor	<0.05
17. Hepthchlor Epoxide	<0.07
18. Methoxychlor	<1.00
19. Pcb's (Aroclors)	<2.00
20. Toxaphene	<1.00

Environment 1, Incorporated

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

REVIEWED BY:

CLIENT ID: 6062 B

ANALYST: CHS
DATE COLLECTED: 04/20/07
DATE EXTRACTED: 04/25/07
DATE ANALYZED: 05/04/07
DATE REPORTED: 05/24/07

LANDFILL APPENDIX II
EPA METHOD 8151A

PARAMETERS, ug/l	MW-29D	MW-30	MW-31	MW-31D	MW-32
1. 2,4-D	<2.00	<2.00	<2.00	<2.00	<2.00
2. Dinoseb	<1.00	<1.00	<1.00	<1.00	<1.00
3. 2,4,5-TP	<2.00	<2.00	<2.00	<2.00	<2.00
4. 2,4,5-T	<2.00	<2.00	<2.00	<2.00	<2.00

Environment 1, Incorporated

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

REVIEWED BY:

CLIENT ID: 6062 B

ANALYST: CHS
DATE COLLECTED: 04/20/07
DATE EXTRACTED: 04/25/07
DATE ANALYZED: 05/04/07
DATE REPORTED: 05/24/07

LANDFILL APPENDIX II
EPA METHOD 8151A

PARAMETERS, ug/l	TB-1AD
1. 2,4-D	<2.00
2. Dinoseb	<1.00
3. 2,4,5-TP	<2.00
4. 2,4,5-T	<2.00

Environment 1, Incorporated

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

CLIENT ID: 6062 B

ANALYST: CHS
DATE COLLECTED: 04/20/07
DATE EXTRACTED: 04/24/07
DATE REPORTED: 05/24/07

REVIEWED BY:

BASE/NEUTRAL COMPOUNDS
EPA METHOD 8270C

Date Analyzed: / PARAMETERS, ug/l	04/29/07 MW-29D	05/09/07 MW-30	05/09/07 MW-31	05/09/07 MW-31D	05/09/07 MW-32
1. Acenaphthene	<10.00	<10.00	<10.00	<10.00	<10.00
2. Acenaphthylene	<10.00	<10.00	<10.00	<10.00	<10.00
3. Anthracene	<10.00	<10.00	<10.00	<10.00	<10.00
4. Benzo[a]antrhacene	<10.00	<10.00	<10.00	<10.00	<10.00
5. Benzo[b]fluoranthene	<10.00	<10.00	<10.00	<10.00	<10.00
6. Benzo[k]fluoranthene	<10.00	<10.00	<10.00	<10.00	<10.00
7. Benzo[g,h,i]perylene	<10.00	<10.00	<10.00	<10.00	<10.00
8. Benzo[a]pyrene	<10.00	<10.00	<10.00	<10.00	<10.00
9. 4-Bromophenyl Phenyl Ether	<10.00	<10.00	<10.00	<10.00	<10.00
10. Butyl Benzyl Phthalate	<10.00	<10.00	<10.00	<10.00	<10.00
11. Bis-(2-Chloroethoxy) Methane	<10.00	<10.00	<10.00	<10.00	<10.00
12. Bis-(2-Chloroethyl) Ether	<10.00	<10.00	<10.00	<10.00	<10.00
13. Bis-(2-Chloroisopropyl) Ether	<10.00	<10.00	<10.00	<10.00	<10.00
14. 2-Chloronaphthalene	<10.00	<10.00	<10.00	<10.00	<10.00
15. 4-Chlorophenyl Phenyl Ether	<10.00	<10.00	<10.00	<10.00	<10.00
16. Chrysene	<10.00	<10.00	<10.00	<10.00	<10.00
17. Dibenzo[a,h]anthracene	<10.00	<10.00	<10.00	<10.00	<10.00
18. Di-N-Butyl Phthalate	<10.00	<10.00	<10.00	<10.00	<10.00
19. Dimethyl Phthalate	<10.00	<10.00	<10.00	<10.00	<10.00
20. Diethyl Phthalate	<10.00	<10.00	<10.00	<10.00	<10.00
21. 2,4-Dinitrotoluene	<10.00	<10.00	<10.00	<10.00	<10.00
22. 2,6-Dinitrotoluene	<10.00	<10.00	<10.00	<10.00	<10.00
23. Di-N-Octyl Phthalate	<10.00	<10.00	<10.00	<10.00	<10.00
24. Bis-(2-Ethylhexyl) Phthalate	23.00	<15.00	<15.00	23.00	<15.00
25. Fluoranthene	<10.00	<10.00	<10.00	<10.00	<10.00
26. Fluorene	<10.00	<10.00	<10.00	<10.00	<10.00
27. Hexachlorobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
28. Hexachlorocyclopentadiene	<10.00	<10.00	<10.00	<10.00	<10.00
29. Indeno[1,2,3-Cd]pyrene	<10.00	<10.00	<10.00	<10.00	<10.00
30. Isophorone	<10.00	<10.00	<10.00	<10.00	<10.00
31. Nitrobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
32. N-Nitrosodimethylamine	<10.00	<10.00	<10.00	<10.00	<10.00
33. N-Nitrosodiphenylamine	<10.00	<10.00	<10.00	<10.00	<10.00
34. N-Nitrosodi-N-Propylamine	<10.00	<10.00	<10.00	<10.00	<10.00
35. Phenanthrene	<10.00	<10.00	<10.00	<10.00	<10.00
36. Pyrene	<10.00	<10.00	<10.00	<10.00	<10.00
37. Ethyl Methanesulfonate	<10.00	<10.00	<10.00	<10.00	<10.00
38. Methyl Methanesulfonate	<10.00	<10.00	<10.00	<10.00	<10.00
39. Acetophenone	<10.00	<10.00	<10.00	<10.00	<10.00
40. 2-Acetylaminofluorene	<20.00	<20.00	<20.00	<20.00	<20.00
41. 4-Aminobiphenyl	<15.00	<15.00	<15.00	<15.00	<15.00
42. Benzyl Alcohol	<20.00	<20.00	<20.00	<20.00	<20.00
43. 4-Chloroaniline	<20.00	<20.00	<20.00	<20.00	<20.00
44. Chlorobenzilate	<10.00	<10.00	<10.00	<10.00	<10.00
45. Diallate	<10.00	<10.00	<10.00	<10.00	<10.00
46. Dibenzofuran	<10.00	<10.00	<10.00	<10.00	<10.00
47. 3,3-Dichlorobenzidine	<20.00	<20.00	<20.00	<20.00	<20.00

Environment 1, Incorporated

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

CLIENT ID: 6062 B

ANALYST: CHS
DATE COLLECTED: 04/20/07
DATE EXTRACTED: 04/24/07
DATE REPORTED: 05/24/07

REVIEWED BY:

BASE/NEUTRAL COMPOUNDS
EPA METHOD 8270C

Date Analyzed: / PARAMETERS, ug/l	04/29/07 MW-29D	05/09/07 MW-30	05/09/07 MW-31	05/09/07 MW-31D	05/09/07 MW-32
48. Dimethoate	<20.00	<20.00	<20.00	<20.00	<20.00
49. P-Dimethylaminoazobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
50. 7,12-Dimethylbenz[a]anthracene	<10.00	<10.00	<10.00	<10.00	<10.00
51. 3,3-Dimethylbenzadine	<10.00	<10.00	<10.00	<10.00	<10.00
52. 1,3-Dinitrobenzene	<20.00	<20.00	<20.00	<20.00	<20.00
53. Diphenylamine	<10.00	<10.00	<10.00	<10.00	<10.00
54. Disulfoton	<10.00	<10.00	<10.00	<10.00	<10.00
55. Famphur	<20.00	<20.00	<20.00	<20.00	<20.00
56. Hexachloropropene	<10.00	<10.00	<10.00	<10.00	<10.00
57. Isosafrole	<10.00	<10.00	<10.00	<10.00	<10.00
58. Kepone	<20.00	<20.00	<20.00	<20.00	<20.00
59. Methapyrilene	<100.00	<100.00	<100.00	<100.00	<100.00
60. 3-Methylchloroanthrene	<10.00	<10.00	<10.00	<10.00	<10.00
61. 2-Methylnaphthalene	<10.00	<10.00	<10.00	<10.00	<10.00
62. Methyl Parathion	<10.00	<10.00	<10.00	<10.00	<10.00
63. 1,4-Naphthoquinone	<10.00	<10.00	<10.00	<10.00	<10.00
64. 1-Naphthylamine	<10.00	<10.00	<10.00	<10.00	<10.00
65. 2-Naphthylamine	<10.00	<10.00	<10.00	<10.00	<10.00
66. 2-Nitroaniline	<50.00	<50.00	<50.00	<50.00	<50.00
67. 3-Nitroaniline	<50.00	<50.00	<50.00	<50.00	<50.00
68. 4-Nitroaniline	<20.00	<20.00	<20.00	<20.00	<20.00
69. 5-Nitro-O-Toluidine	<10.00	<10.00	<10.00	<10.00	<10.00
70. N-Nitroso-n-butlyamine	<10.00	<10.00	<10.00	<10.00	<10.00
71. N-Nitrosodiethylamine	<20.00	<20.00	<20.00	<20.00	<20.00
72. N-Nitrosomethylethylamine	<10.00	<10.00	<10.00	<10.00	<10.00
73. N-Nitrosopiperidine	<20.00	<20.00	<20.00	<20.00	<20.00
74. N-Nitrosopyrrolidine	<10.00	<10.00	<10.00	<10.00	<10.00
75. Parathion	<10.00	<10.00	<10.00	<10.00	<10.00
76. Pentachlorobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
77. Pentachloronitrobenzene	<20.00	<20.00	<20.00	<20.00	<20.00
78. Phenacetin	<20.00	<20.00	<20.00	<20.00	<20.00
79. 1,4-Phenylenediamine	<10.00	<10.00	<10.00	<10.00	<10.00
80. Phorate	<10.00	<10.00	<10.00	<10.00	<10.00
81. Pronamide	<10.00	<10.00	<10.00	<10.00	<10.00
82. Safrole	<10.00	<10.00	<10.00	<10.00	<10.00
83. 1,2,4,5-Tetrachlorobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
84. Thionazin	<20.00	<20.00	<20.00	<20.00	<20.00
85. O-Toluidine	<10.00	<10.00	<10.00	<10.00	<10.00
86. 1,3,5-Trinitrobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
87. 0,0,0-Triethyl Phosphorothioate	<10.00	<10.00	<10.00	<10.00	<10.00
88. Hexachloroethane	<10.00	<10.00	<10.00	<10.00	<10.00
89. Isodrin	<20.00	<20.00	<20.00	<20.00	<20.00

Environment 1, Incorporated

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

CLIENT ID: 6062 B

ANALYST: CHS
DATE COLLECTED: 04/20/07
DATE EXTRACTED: 04/24/07
DATE REPORTED: 05/24/07

REVIEWED BY: _____

BASE/NEUTRAL COMPOUNDS
EPA METHOD 8270C

PARAMETERS, ug/l	Date Analyzed: 05/09/07 TB-1AD
1. Acenaphthene	<10.00
2. Acenaphthylene	<10.00
3. Anthracene	<10.00
4. Benzo[a]antrhacene	<10.00
5. Benzo[b]fluoranthene	<10.00
6. Benzo[k]fluoranthene	<10.00
7. Benzo[g,h,i]perylene	<10.00
8. Benzo[a]pyrene	<10.00
9. 4-Bromophenyl Phenyl Ether	<10.00
10. Butyl Benzyl Phthalate	<10.00
11. Bis-(2-Chloroethoxy) Methane	<10.00
12. Bis-(2-Chloroethyl) Ether	<10.00
13. Bis-(2-Chloroisopropyl) Ether	<10.00
14. 2-Chloronaphthalene	<10.00
15. 4-Chlorophenyl Phenyl Ether	<10.00
16. Chrysene	<10.00
17. Dibenzo[a,h]anthracene	<10.00
18. Di-N-Butyl Phthalate	<10.00
19. Dimethyl Phthalate	<10.00
20. Diethyl Phthalate	<10.00
21. 2,4-Dinitrotoluene	<10.00
22. 2,6-Dinitrotoluene	<10.00
23. Di-N-Octyl Phthalate	<10.00
24. Bis-(2-Ethylhexyl) Phthalate	<15.00
25. Fluoranthene	<10.00
26. Fluorene	<10.00
27. Hexachlorobenzene	<10.00
28. Hexachlorocyclopentadiene	<10.00
29. Indeno[1,2,3-Cd]pyrene	<10.00
30. Isophorone	<10.00
31. Nitrobenzene	<10.00
32. N-Nitrosodimethylamine	<10.00
33. N-Nitrosodiphenylamine	<10.00
34. N-Nitrosodi-N-Propylamine	<10.00
35. Phenanthrene	<10.00
36. Pyrene	<10.00
37. Ethyl Methanesulfonate	<10.00
38. Methyl Methanesulfonate	<10.00
39. Acetophenone	<10.00
40. 2-Acetylaminofluorene	<20.00
41. 4-Aminobiphenyl	<15.00
42. Benzyl Alcohol	<20.00
43. 4-Chloroaniline	<20.00
44. Chlorobenzilate	<10.00
45. Diallate	<10.00
46. Dibenzofuran	<10.00
47. 3,3-Dichlorobenzidine	<20.00

Environment 1, Incorporated

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

CLIENT ID: 6062 B

ANALYST: CHS
DATE COLLECTED: 04/20/07
DATE EXTRACTED: 04/24/07
DATE REPORTED: 05/24/07

REVIEWED BY: _____

BASE/NEUTRAL COMPOUNDS
EPA METHOD 8270C

PARAMETERS, ug/l	Date Analyzed: 05/09/07 TB-1AD
48. Dimethoate	<20.00
49. P-Dimethylaminoazobenzene	<10.00
50. 7,12-Dimethylbenz[a]anthracene	<10.00
51. 3,3-Dimethylbenzadine	<10.00
52. 1,3-Dinitrobenzene	<20.00
53. Diphenylamine	<10.00
54. Disulfoton	<10.00
55. Famphur	<20.00
56. Hexachloropropene	<10.00
57. Isosafrole	<10.00
58. Kepone	<20.00
59. Methapyrilene	<100.00
60. 3-Methylchloroanthrene	<10.00
61. 2-Methylnaphthalene	<10.00
62. Methyl Parathion	<10.00
63. 1,4-Naphthoquinone	<10.00
64. 1-Naphthylamine	<10.00
65. 2-Naphthylamine	<10.00
66. 2-Nitroaniline	<50.00
67. 3-Nitroaniline	<50.00
68. 4-Nitroaniline	<20.00
69. 5-Nitro-O-Toluidine	<10.00
70. N-Nitroso-n-butlyamine	<10.00
71. N-Nitrosodiethylamine	<20.00
72. N-Nitrosomethylethylamine	<10.00
73. N-Nitrosopiperidine	<20.00
74. N-Nitrosopyrrolidine	<10.00
75. Parathion	<10.00
76. Pentachlorobenzene	<10.00
77. Pentachloronitrobenzene	<20.00
78. Phenacetin	<20.00
79. 1,4-Phenylenediamine	<10.00
80. Phorate	<10.00
81. Pronamide	<10.00
82. Safrole	<10.00
83. 1,2,4,5-Tetrachlorobenzene	<10.00
84. Thionazin	<20.00
85. O-Toluidine	<10.00
86. 1,3,5-Trinitrobenzene	<10.00
87. 0,0,0-Triethyl Phosphorothioate	<10.00
88. Hexachloroethane	<10.00
89. Isodrin	<20.00

Environment 1, Incorporated

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

CLIENT ID: 6062 B

ANALYST: MAO
DATE COLLECTED: 04/20/07
DATE REPORTED: 05/24/07

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

Date Analyzed: / PARAMETERS, ug/l	05/02/07 MW-29D	05/02/07 MW-30	05/02/07 MW-31	05/02/07 MW-31D	05/03/07 MW-32
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	23.40	37.50	<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

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

CLIENT ID: 6062 B

ANALYST: MAO
DATE COLLECTED: 04/20/07
DATE REPORTED: 05/24/07

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

Date Analyzed: / PARAMETERS, ug/l	05/02/07 MW-29D	05/02/07 MW-30	05/02/07 MW-31	05/02/07 MW-31D	05/03/07 MW-32
48. Acrolein	<50.00	<50.00	<50.00	<50.00	<50.00
49. Allyl Chloride	<10.00	<10.00	<10.00	<10.00	<10.00
50. Chloroprene	<20.00	<20.00	<20.00	<20.00	<20.00
51. 1,3-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
52. Dichlorodifluoromethane	<5.00	<5.00	<5.00	<5.00	<5.00
53. 1,3-Dichloropropane	<3.00	<3.00	<3.00	<3.00	<3.00
54. 2,2-Dichloropropane	<15.00	<15.00	<15.00	<15.00	<15.00
55. 1,1-Dichloropropene	<5.00	<5.00	<5.00	<5.00	<5.00
56. Ethyl Methacrylate	<10.00	<10.00	<10.00	<10.00	<10.00
57. Hexachlorobutadiene	<10.00	<10.00	<10.00	<10.00	<10.00
58. Isobutyl Alcohol	<100.00	<100.00	<100.00	<100.00	<100.00
59. Methacrylonitrile	<100.00	<100.00	<100.00	<100.00	<100.00
60. Methyl Methacrylate	<30.00	<30.00	<30.00	<30.00	<30.00
61. Naphthalene	<10.00	<10.00	<10.00	<10.00	<10.00
62. Propionitrile	<150.00	<150.00	<150.00	<150.00	<150.00
63. 1,2,4-Trichlorobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
64. Acetonitrile	<50.00	<50.00	<50.00	<50.00	<50.00

Environment 1, Incorporated

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

CLIENT ID: 6062 B
ANALYST: MAO
DATE COLLECTED: 04/20/07
DATE REPORTED: 05/24/07

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	Date Analyzed: 05/02/07 TB-1AD
1. Chloromethane	<5.00
2. Vinyl Chloride	<5.00
3. Bromomethane	<10.00
4. Chloroethane	<5.00
5. Trichlorofluoromethane	<5.00
6. 1,1-Dichloroethene	<5.00
7. Acetone	<100.00
8. Iodomethane	<10.00
9. Carbon Disulfide	<100.00
10. Methylene Chloride	<5.00
11. trans-1,2-Dichloroethene	<5.00
12. 1,1-Dichloroethane	<5.00
13. Vinyl Acetate	<50.00
14. Cis-1,2-Dichloroethene	<5.00
15. 2-Butanone	<100.00
16. Bromochloromethane	<3.00
17. Chloroform	32.40
18. 1,1,1-Trichloroethane	<5.00
19. Carbon Tetrachloride	<5.00
20. Benzene	<3.00
21. 1,2-Dichloroethane	<3.00
22. Trichloroethene	<3.00
23. 1,2-Dichloropropane	<3.00
24. Bromodichloromethane	<3.00
25. Cis-1,3-Dichloropropene	<5.00
26. 4-Methyl-2-Pentanone	<100.00
27. Toluene	<5.00
28. trans-1,3-Dichloropropene	<5.00
29. 1,1,2-Trichloroethane	<5.00
30. Tetrachloroethene	<3.00
31. 2-Hexanone	<50.00
32. Dibromochloromethane	<3.00
33. 1,2-Dibromoethane	<3.00
34. Chlorobenzene	<3.00
35. 1,1,1,2-Tetrachloroethane	<5.00
36. Ethylbenzene	<5.00
37. Xylenes	<4.00
38. Dibromomethane	<10.00
39. Styrene	<10.00
40. Bromoform	<3.00
41. 1,1,2,2-Tetrachloroethane	<5.00
42. 1,2,3-Trichloropropane	<8.00
43. 1,4-Dichlorobenzene	<3.00
44. 1,2-Dichlorobenzene	<5.00
45. 1,2-Dibromo-3-Chloropropane	<13.00
46. Acrylonitrile	<200.00
47. trans-1,4-Dichloro-2-Butene	<100.00

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

CLIENT ID: 6062 B
ANALYST: MAO
DATE COLLECTED: 04/20/07
DATE REPORTED: 05/24/07

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	Date Analyzed: 05/02/07 TB-1AD
48. Acrolein	<50.00
49. Allyl Chloride	<10.00
50. Chloroprene	<20.00
51. 1,3-Dichlorobenzene	<5.00
52. Dichlorodifluoromethane	<5.00
53. 1,3-Dichloropropane	<3.00
54. 2,2-Dichloropropane	<15.00
55. 1,1-Dichloropropene	<5.00
56. Ethyl Methacrylate	<10.00
57. Hexachlorobutadiene	<10.00
58. Isobutyl Alcohol	<100.00
59. Methacrylonitrile	<100.00
60. Methyl Methacrylate	<30.00
61. Naphthalene	<10.00
62. Propionitrile	<150.00
63. 1,2,4-Trichlorobenzene	<10.00
64. Acetonitrile	<50.00

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: 6062 B **Week: 16**

NORTH WAKE UNLINED 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	Field Parameter	EPA 8081A	8081A Duplicate	8270C B\N	8260B App. II	8260 App. II 1	8260 App. II 2	8151A Landfill
CHLORINE NEUTRALIZED AT COLLECTION																	
pH CHECK (LAB)							2							12	12	12	
CONTAINER TYPE, P/G						P	P	P	P		G	G	G	G	G	G	G
CHEMICAL PRESERVATION						A	B	A	A		A	A	A	E	E	E	A
~~MW-24~~					9												
MW-29D	04/20/07	1130		17	8	G	G	G	G	G	G	G	G	G	G		G
MW-30	04/20/07	1230		17	8	G	G	G	G	G	G	G	G	G	G		G
MW-31	04/20/07	1150		18	8	G	G	G	G	G	G	G	G	G	G		G
MW-31D	04/20/07	1130		17	8	G	G	G	G	G	G	G	G	G	G		G
MW-32	04/20/07	1040		15	8	G	G	G	G	G	G	G	G	G	G		G
~~TB-1A~~					8												
TB-1AD	04/20/07	1105		16	9	G	G	G	G	G	G	G	G	G	G	G	G

PARAMETERS

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

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

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY: Y N

SAMPLES COLLECTED BY: (Please Print) R Lane Fox

SAMPLES RECEIVED IN LAB AT 10 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob Lane	04/20/07	Matthew Smith	4/20/07 3:10
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.

№ 144479

FORM #5

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6062 S

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

DATE COLLECTED: 04/20/07
DATE REPORTED : 05/24/07

REVIEWED BY:

PARAMETERS	MW-28	MW-28D	MW-33	MW-34	MW-34D	Analysis Date	Analyst	Method Code
PH (field measurement), Units	6.1	6.8	5.9	5.4	6.0	04/20/07	RJH	SM4500HB
Antimony, ug/l	<6.0	<6.0	<6.0			04/30/07	LFJ	EPA200.8
Antimony, ug/l				<6.0	<6.0	05/02/07	CMF	EPA200.8
Arsenic, ug/l	< 10	< 10	< 10			04/30/07	LFJ	EPA200.8
Arsenic, ug/l				< 10	< 10	05/02/07	CMF	EPA200.8
Barium, ug/l	< 100	< 100	< 100			04/30/07	LFJ	EPA200.8
Barium, ug/l				< 100	< 100	05/02/07	CMF	EPA200.8
Beryllium, ug/l	<1.0	<1.0	<1.0			04/30/07	LFJ	EPA200.8
Beryllium, ug/l				<1.0	<1.0	05/02/07	CMF	EPA200.8
Cadmium, ug/l	<1.0	<1.0	<1.0			04/30/07	LFJ	EPA200.8
Cadmium, ug/l				<1.0	<1.0	05/02/07	CMF	EPA200.8
Cobalt, ug/l	< 10	< 10	< 10			04/30/07	LFJ	EPA200.8
Cobalt, ug/l				< 10	< 10	05/02/07	CMF	EPA200.8
Copper, ug/l	< 10	< 10	14			04/30/07	LFJ	EPA200.8
Copper, ug/l				< 10	< 10	05/02/07	CMF	EPA200.8
Total Chromium, ug/l	11	< 10	19			04/30/07	LFJ	EPA200.8
Total Chromium, ug/l				< 10	< 10	05/02/07	CMF	EPA200.8
Lead, ug/l	< 10	< 10	< 10			04/30/07	LFJ	EPA200.8
Lead, ug/l				< 10	< 10	05/02/07	CMF	EPA200.8
Mercury, ug/l	<0.2	<0.2	<0.2			04/30/07	LFJ	EPA200.8
Mercury, ug/l				<0.2		05/08/07	ADD	EPA245.1
Mercury, ug/l					<0.2	05/02/07	CMF	EPA200.8
Nickel, ug/l	< 50	< 50	< 50			04/30/07	LFJ	EPA200.8
Nickel, ug/l				< 50	< 50	05/02/07	CMF	EPA200.8
Selenium, ug/l	< 10	< 10	< 10			04/30/07	LFJ	EPA200.8
Selenium, ug/l				< 10	< 10	10/27/07	CMF	EPA200.8
Silver, ug/l	< 10	< 10	< 10			04/30/07	LFJ	EPA200.8
Silver, ug/l				< 10	< 10	05/02/07	CMF	EPA200.8
Thallium, ug/l	<5.0	<5.0	<5.0			04/30/07	LFJ	EPA200.8
Thallium, ug/l				<5.0	<5.0	05/02/07	CMF	EPA200.8
Vanadium, ug/l	< 25	< 25	30			04/30/07	LFJ	EPA200.8
Vanadium, ug/l				< 25	< 25	05/02/07	CMF	EPA200.8
Zinc, ug/l	88	35	1165			04/30/07	LFJ	EPA200.8
Zinc, ug/l				16	< 10	05/02/07	CMF	EPA200.8

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Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6062 S

NORTH WAKE UNLINED LANDFILL
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4011 WESTCHASE BLVD, SUITE 500
RALEIGH ,NC 27607

DATE COLLECTED: 04/20/07
DATE REPORTED : 05/24/07

REVIEWED BY:

PARAMETERS	MW-28	MW-28D	MW-33	MW-34	MW-34D	Analysis Date	Analyst	Method Code
Conductivity (at 25c), uMhos	192	187	152	130	180	04/20/07	RJH	SM2510B
Temperature, °C	18	18	14	14	15	04/20/07	RJH	SM2550B
Static Water Level, feet	14.24	14.1.5	8.00	13.07	13.49	04/20/07	RJH	
Well Depth, feet	27.38	47.70	28.27	28.26	60.25	04/20/07	RJH	

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4011 WESTCHASE BLVD, SUITE 500
RALEIGH ,NC 27607

DATE COLLECTED: 04/20/07
DATE REPORTED : 05/24/07

REVIEWED BY:

PARAMETERS	MW-35	Equipment Blank	Trip Blank	Analysis Date	Analyst	Method Code
PH (field measurement), Units	5.3			04/20/07	RJH	SM4500HB
Antimony, ug/l	<6.0			05/02/07	CMF	EPA200.8
Arsenic, ug/l	< 10			05/02/07	CMF	EPA200.8
Barium, ug/l	316			05/02/07	CMF	EPA200.8
Beryllium, ug/l	6			05/02/07	CMF	EPA200.8
Cadmium, ug/l	1			05/02/07	CMF	EPA200.8
Cobalt, ug/l	10			05/02/07	CMF	EPA200.8
Copper, ug/l	55			05/02/07	CMF	EPA200.8
Total Chromium, ug/l	39			05/02/07	CMF	EPA200.8
Lead, ug/l	19			05/02/07	CMF	EPA200.8
Mercury, ug/l	<0.2			05/02/07	CMF	EPA200.8
Nickel, ug/l	< 50			05/02/07	CMF	EPA200.8
Selenium, ug/l	< 10			10/27/07	CMF	EPA200.8
Silver, ug/l	< 10			05/02/07	CMF	EPA200.8
Thallium, ug/l	<5.0			05/02/07	CMF	EPA200.8
Vanadium, ug/l	109			05/02/07	CMF	EPA200.8
Zinc, ug/l	149			05/02/07	CMF	EPA200.8
Conductivity (at 25c), uMhos	64			04/20/07	RJH	SM2510B
Temperature, °C	15			04/20/07	RJH	SM2550B
Static Water Level, feet	13.42			04/20/07	RJH	
Well Depth, feet	28.75			04/20/07	RJH	

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RALEIGH, NC 27607

REVIEWED BY:

CLIENT ID: 6062 S

ANALYST: CHS
DATE COLLECTED: 04/20/07
DATE EXTRACTED: 04/24/07
DATE ANALYZED: 05/18/07
DATE REPORTED: 05/24/07

PESTICIDES AND PCB'S
EPA METHOD 8081A

PARAMETERS, ug/l	MW-28	MW-28D	MW-33	MW-34	MW-34D
1. Aldrin	<0.05	<0.05	<0.05	<0.05	<0.05
2. Alpha-BHC	<0.05	<0.05	<0.05	<0.05	<0.05
3. Beta-BHC	<0.05	<0.05	<0.05	<0.05	<0.05
4. Delta-BHC	<0.05	<0.05	<0.05	<0.05	<0.05
5. Gamma-BHC (Lindane)	<0.05	<0.05	<0.05	<0.05	<0.05
6. Chlordane	<0.50	<0.50	<0.50	<0.50	<0.50
7. 4,4-DDD	<0.10	<0.10	<0.10	<0.10	<0.10
8. 4,4-DDE	<0.10	<0.10	<0.10	<0.10	<0.10
9. 4,4-DDT	<0.10	<0.10	<0.10	<0.10	<0.10
10. Dieldrin	<0.07	<0.07	<0.07	<0.07	<0.07
11. Endosulfan I	<0.10	<0.10	<0.10	<0.10	<0.10
12. Endosulfan II	<0.10	<0.10	<0.10	<0.10	<0.10
13. Endosulfan Sulfate	<0.10	<0.10	<0.10	<0.10	<0.10
14. Endrin	<0.10	<0.10	<0.10	<0.10	<0.10
15. Endrin Aldehyde	<0.10	<0.10	<0.10	<0.10	<0.10
16. Heptachlor	<0.05	<0.05	<0.05	<0.05	<0.05
17. Hepthchlor Epoxide	<0.07	<0.07	<0.07	<0.07	<0.07
18. Methoxychlor	<1.00	<1.00	<1.00	<1.00	<1.00
19. Pcb's (Aroclors)	<2.00	<2.00	<2.00	<2.00	<2.00
20. Toxaphene	<1.00	<1.00	<1.00	<1.00	<1.00

NOTE: Surrogate recovery for MW-33
outside control limits

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REVIEWED BY:

CLIENT ID: 6062 S

ANALYST: CHS
DATE COLLECTED: 04/20/07
DATE EXTRACTED: 04/24/07
DATE ANALYZED: 05/18/07
DATE REPORTED: 05/24/07

PESTICIDES AND PCB'S
EPA METHOD 8081A

PARAMETERS, ug/l	MW-35
1. Aldrin	<0.05
2. Alpha-BHC	<0.05
3. Beta-BHC	<0.05
4. Delta-BHC	<0.05
5. Gamma-BHC (Lindane)	<0.05
6. Chlordane	<0.50
7. 4,4-DDD	<0.10
8. 4,4-DDE	<0.10
9. 4,4-DDT	<0.10
10. Dieldrin	<0.07
11. Endosulfan I	<0.10
12. Endosulfan II	<0.10
13. Endosulfan Sulfate	<0.10
14. Endrin	<0.10
15. Endrin Aldehyde	<0.10
16. Heptachlor	<0.05
17. Hepthchlor Epoxide	<0.07
18. Methoxychlor	<1.00
19. Pcb's (Aroclors)	<2.00
20. Toxaphene	<1.00

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REVIEWED BY:

CLIENT ID: 6062 S

ANALYST: CHS
DATE COLLECTED: 04/20/07
DATE EXTRACTED: 04/25/07
DATE ANALYZED: 05/04/07
DATE REPORTED: 05/24/07

LANDFILL APPENDIX II
EPA METHOD 8151A

PARAMETERS, ug/l	MW-28	MW-28D	MW-33	MW-34	MW-34D
1. 2,4-D	<2.00	<2.00	<2.00	<2.00	<2.00
2. Dinoseb	<1.00	<1.00	<1.00	<1.00	<1.00
3. 2,4,5-TP	<2.00	<2.00	<2.00	<2.00	<2.00
4. 2,4,5-T	<2.00	<2.00	<2.00	<2.00	<2.00

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REVIEWED BY:

CLIENT ID: 6062 S

ANALYST: CHS
DATE COLLECTED: 04/20/07
DATE EXTRACTED: 04/25/07
DATE ANALYZED: 05/04/07
DATE REPORTED: 05/24/07

LANDFILL APPENDIX II
EPA METHOD 8151A

PARAMETERS, ug/l	MW-35
1. 2,4-D	<2.00
2. Dinoseb	<1.00
3. 2,4,5-TP	<2.00
4. 2,4,5-T	<2.00

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CLIENT ID: 6062 S

ANALYST: CHS
DATE COLLECTED: 04/20/07
DATE EXTRACTED: 04/24/07
DATE REPORTED: 05/24/07

REVIEWED BY:

BASE/NEUTRAL COMPOUNDS
EPA METHOD 8270C

Date Analyzed: / PARAMETERS, ug/l	04/29/07 MW-28	04/29/07 MW-28D	05/04/07 MW-33	05/04/07 MW-34	05/04/07 MW-34D
1. Acenaphthene	<10.00	<10.00	<10.00	<10.00	<10.00
2. Acenaphthylene	<10.00	<10.00	<10.00	<10.00	<10.00
3. Anthracene	<10.00	<10.00	<10.00	<10.00	<10.00
4. Benzo[a]antrhacene	<10.00	<10.00	<10.00	<10.00	<10.00
5. Benzo[b]fluoranthene	<10.00	<10.00	<10.00	<10.00	<10.00
6. Benzo[k]fluoranthene	<10.00	<10.00	<10.00	<10.00	<10.00
7. Benzo[g,h,i]perylene	<10.00	<10.00	<10.00	<10.00	<10.00
8. Benzo[a]pyrene	<10.00	<10.00	<10.00	<10.00	<10.00
9. 4-Bromophenyl Phenyl Ether	<10.00	<10.00	<10.00	<10.00	<10.00
10. Butyl Benzyl Phthalate	<10.00	<10.00	<10.00	<10.00	<10.00
11. Bis-(2-Chloroethoxy) Methane	<10.00	<10.00	<10.00	<10.00	<10.00
12. Bis-(2-Chloroethyl) Ether	<10.00	<10.00	<10.00	<10.00	<10.00
13. Bis-(2-Chloroisopropyl) Ether	<10.00	<10.00	<10.00	<10.00	<10.00
14. 2-Chloronaphthalene	<10.00	<10.00	<10.00	<10.00	<10.00
15. 4-Chlorophenyl Phenyl Ether	<10.00	<10.00	<10.00	<10.00	<10.00
16. Chrysene	<10.00	<10.00	<10.00	<10.00	<10.00
17. Dibenzo[a,h]anthracene	<10.00	<10.00	<10.00	<10.00	<10.00
18. Di-N-Butyl Phthalate	<10.00	<10.00	<10.00	<10.00	<10.00
19. Dimethyl Phthalate	<10.00	<10.00	<10.00	<10.00	<10.00
20. Diethyl Phthalate	<10.00	<10.00	<10.00	<10.00	<10.00
21. 2,4-Dinitrotoluene	<10.00	<10.00	<10.00	<10.00	<10.00
22. 2,6-Dinitrotoluene	<10.00	<10.00	<10.00	<10.00	<10.00
23. Di-N-Octyl Phthalate	<10.00	<10.00	<10.00	<10.00	<10.00
24. Bis-(2-Ethylhexyl) Phthalate	<15.00	<15.00	<15.00	<15.00	35.00
25. Fluoranthene	<10.00	<10.00	<10.00	<10.00	<10.00
26. Fluorene	<10.00	<10.00	<10.00	<10.00	<10.00
27. Hexachlorobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
28. Hexachlorocyclopentadiene	<10.00	<10.00	<10.00	<10.00	<10.00
29. Indeno[1,2,3-Cd]pyrene	<10.00	<10.00	<10.00	<10.00	<10.00
30. Isophorone	<10.00	<10.00	<10.00	<10.00	<10.00
31. Nitrobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
32. N-Nitrosodimethylamine	<10.00	<10.00	<10.00	<10.00	<10.00
33. N-Nitrosodiphenylamine	<10.00	<10.00	<10.00	<10.00	<10.00
34. N-Nitrosodi-N-Propylamine	<10.00	<10.00	<10.00	<10.00	<10.00
35. Phenanthrene	<10.00	<10.00	<10.00	<10.00	<10.00
36. Pyrene	<10.00	<10.00	<10.00	<10.00	<10.00
37. Ethyl Methanesulfonate	<10.00	<10.00	<10.00	<10.00	<10.00
38. Methyl Methanesulfonate	<10.00	<10.00	<10.00	<10.00	<10.00
39. Acetophenone	<10.00	<10.00	<10.00	<10.00	<10.00
40. 2-Acetylaminofluorene	<20.00	<20.00	<20.00	<20.00	<20.00
41. 4-Aminobiphenyl	<15.00	<15.00	<15.00	<15.00	<15.00
42. Benzyl Alcohol	<20.00	<20.00	<20.00	<20.00	<20.00
43. 4-Chloroaniline	<20.00	<20.00	<20.00	<20.00	<20.00
44. Chlorobenzilate	<10.00	<10.00	<10.00	<10.00	<10.00
45. Diallate	<10.00	<10.00	<10.00	<10.00	<10.00
46. Dibenzofuran	<10.00	<10.00	<10.00	<10.00	<10.00
47. 3,3-Dichlorobenzidine	<20.00	<20.00	<20.00	<20.00	<20.00

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CLIENT ID: 6062 S

ANALYST: CHS
DATE COLLECTED: 04/20/07
DATE EXTRACTED: 04/24/07
DATE REPORTED: 05/24/07

REVIEWED BY:

BASE/NEUTRAL COMPOUNDS
EPA METHOD 8270C

Date Analyzed: / PARAMETERS, ug/l	04/29/07 MW-28	04/29/07 MW-28D	05/04/07 MW-33	05/04/07 MW-34	05/04/07 MW-34D
48. Dimethoate	<20.00	<20.00	<20.00	<20.00	<20.00
49. P-Dimethylaminoazobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
50. 7,12-Dimethylbenz[a]anthracene	<10.00	<10.00	<10.00	<10.00	<10.00
51. 3,3-Dimethylbenzadine	<10.00	<10.00	<10.00	<10.00	<10.00
52. 1,3-Dinitrobenzene	<20.00	<20.00	<20.00	<20.00	<20.00
53. Diphenylamine	<10.00	<10.00	<10.00	<10.00	<10.00
54. Disulfoton	<10.00	<10.00	<10.00	<10.00	<10.00
55. Famphur	<20.00	<20.00	<20.00	<20.00	<20.00
56. Hexachloropropene	<10.00	<10.00	<10.00	<10.00	<10.00
57. Isosafrole	<10.00	<10.00	<10.00	<10.00	<10.00
58. Kepone	<20.00	<20.00	<20.00	<20.00	<20.00
59. Methapyrilene	<100.00	<100.00	<100.00	<100.00	<100.00
60. 3-Methylchloroanthrene	<10.00	<10.00	<10.00	<10.00	<10.00
61. 2-Methylnaphthalene	<10.00	<10.00	<10.00	<10.00	<10.00
62. Methyl Parathion	<10.00	<10.00	<10.00	<10.00	<10.00
63. 1,4-Naphthoquinone	<10.00	<10.00	<10.00	<10.00	<10.00
64. 1-Naphthylamine	<10.00	<10.00	<10.00	<10.00	<10.00
65. 2-Naphthylamine	<10.00	<10.00	<10.00	<10.00	<10.00
66. 2-Nitroaniline	<50.00	<50.00	<50.00	<50.00	<50.00
67. 3-Nitroaniline	<50.00	<50.00	<50.00	<50.00	<50.00
68. 4-Nitroaniline	<20.00	<20.00	<20.00	<20.00	<20.00
69. 5-Nitro-O-Toluidine	<10.00	<10.00	<10.00	<10.00	<10.00
70. N-Nitroso-n-butlyamine	<10.00	<10.00	<10.00	<10.00	<10.00
71. N-Nitrosodiethylamine	<20.00	<20.00	<20.00	<20.00	<20.00
72. N-Nitrosomethylethylamine	<10.00	<10.00	<10.00	<10.00	<10.00
73. N-Nitrosopiperidine	<20.00	<20.00	<20.00	<20.00	<20.00
74. N-Nitrosopyrrolidine	<10.00	<10.00	<10.00	<10.00	<10.00
75. Parathion	<10.00	<10.00	<10.00	<10.00	<10.00
76. Pentachlorobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
77. Pentachloronitrobenzene	<20.00	<20.00	<20.00	<20.00	<20.00
78. Phenacetin	<20.00	<20.00	<20.00	<20.00	<20.00
79. 1,4-Phenylenediamine	<10.00	<10.00	<10.00	<10.00	<10.00
80. Phorate	<10.00	<10.00	<10.00	<10.00	<10.00
81. Pronamide	<10.00	<10.00	<10.00	<10.00	<10.00
82. Safrole	<10.00	<10.00	<10.00	<10.00	<10.00
83. 1,2,4,5-Tetrachlorobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
84. Thionazin	<20.00	<20.00	<20.00	<20.00	<20.00
85. O-Toluidine	<10.00	<10.00	<10.00	<10.00	<10.00
86. 1,3,5-Trinitrobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
87. 0,0,0-Triethyl Phosphorothioate	<10.00	<10.00	<10.00	<10.00	<10.00
88. Hexachloroethane	<10.00	<10.00	<10.00	<10.00	<10.00
89. Isodrin	<20.00	<20.00	<20.00	<20.00	<20.00

Environment 1, Incorporated

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

CLIENT ID: 6062 S

ANALYST: CHS
DATE COLLECTED: 04/20/07
DATE EXTRACTED: 04/24/07
DATE REPORTED: 05/24/07

REVIEWED BY:

BASE/NEUTRAL COMPOUNDS
EPA METHOD 8270C

PARAMETERS, ug/l	Date Analyzed: 05/04/07 MW-35
1. Acenaphthene	<10.00
2. Acenaphthylene	<10.00
3. Anthracene	<10.00
4. Benzo[a]antrhacene	<10.00
5. Benzo[b]fluoranthene	<10.00
6. Benzo[k]fluoranthene	<10.00
7. Benzo[g,h,i]perylene	<10.00
8. Benzo[a]pyrene	<10.00
9. 4-Bromophenyl Phenyl Ether	<10.00
10. Butyl Benzyl Phthalate	<10.00
11. Bis-(2-Chloroethoxy) Methane	<10.00
12. Bis-(2-Chloroethyl) Ether	<10.00
13. Bis-(2-Chloroisopropyl) Ether	<10.00
14. 2-Chloronaphthalene	<10.00
15. 4-Chlorophenyl Phenyl Ether	<10.00
16. Chrysene	<10.00
17. Dibenzo[a,h]anthracene	<10.00
18. Di-N-Butyl Phthalate	<10.00
19. Dimethyl Phthalate	<10.00
20. Diethyl Phthalate	<10.00
21. 2,4-Dinitrotoluene	<10.00
22. 2,6-Dinitrotoluene	<10.00
23. Di-N-Octyl Phthalate	<10.00
24. Bis-(2-Ethylhexyl) Phthalate	<15.00
25. Fluoranthene	<10.00
26. Fluorene	<10.00
27. Hexachlorobenzene	<10.00
28. Hexachlorocyclopentadiene	<10.00
29. Indeno[1,2,3-Cd]pyrene	<10.00
30. Isophorone	<10.00
31. Nitrobenzene	<10.00
32. N-Nitrosodimethylamine	<10.00
33. N-Nitrosodiphenylamine	<10.00
34. N-Nitrosodi-N-Propylamine	<10.00
35. Phenanthrene	<10.00
36. Pyrene	<10.00
37. Ethyl Methanesulfonate	<10.00
38. Methyl Methanesulfonate	<10.00
39. Acetophenone	<10.00
40. 2-Acetylaminofluorene	<20.00
41. 4-Aminobiphenyl	<15.00
42. Benzyl Alcohol	<20.00
43. 4-Chloroaniline	<20.00
44. Chlorobenzilate	<10.00
45. Diallate	<10.00
46. Dibenzofuran	<10.00
47. 3,3-Dichlorobenzidine	<20.00

Environment 1, Incorporated

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

CLIENT ID: 6062 S

ANALYST: CHS
DATE COLLECTED: 04/20/07
DATE EXTRACTED: 04/24/07
DATE REPORTED: 05/24/07

REVIEWED BY:

BASE/NEUTRAL COMPOUNDS
EPA METHOD 8270C

PARAMETERS, ug/l	Date Analyzed: 05/04/07 MW-35
48. Dimethoate	<20.00
49. P-Dimethylaminoazobenzene	<10.00
50. 7,12-Dimethylbenz[a]anthracene	<10.00
51. 3,3-Dimethylbenzadine	<10.00
52. 1,3-Dinitrobenzene	<20.00
53. Diphenylamine	<10.00
54. Disulfoton	<10.00
55. Famphur	<20.00
56. Hexachloropropene	<10.00
57. Isosafrole	<10.00
58. Kepone	<20.00
59. Methapyrilene	<100.00
60. 3-Methylchloroanthrene	<10.00
61. 2-Methylnaphthalene	<10.00
62. Methyl Parathion	<10.00
63. 1,4-Naphthoquinone	<10.00
64. 1-Naphthylamine	<10.00
65. 2-Naphthylamine	<10.00
66. 2-Nitroaniline	<50.00
67. 3-Nitroaniline	<50.00
68. 4-Nitroaniline	<20.00
69. 5-Nitro-O-Toluidine	<10.00
70. N-Nitroso-n-butlyamine	<10.00
71. N-Nitrosodiethylamine	<20.00
72. N-Nitrosomethylethylamine	<10.00
73. N-Nitrosopiperidine	<20.00
74. N-Nitrosopyrrolidine	<10.00
75. Parathion	<10.00
76. Pentachlorobenzene	<10.00
77. Pentachloronitrobenzene	<20.00
78. Phenacetin	<20.00
79. 1,4-Phenylenediamine	<10.00
80. Phorate	<10.00
81. Pronamide	<10.00
82. Safrole	<10.00
83. 1,2,4,5-Tetrachlorobenzene	<10.00
84. Thionazin	<20.00
85. O-Toluidine	<10.00
86. 1,3,5-Trinitrobenzene	<10.00
87. 0,0,0-Triethyl Phosphorothioate	<10.00
88. Hexachloroethane	<10.00
89. Isodrin	<20.00

Environment 1, Incorporated

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

CLIENT ID: 6062 S

ANALYST: MAO
DATE COLLECTED: 04/20/07
DATE ANALYZED: 05/03/07
DATE REPORTED: 05/24/07

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MW-28	MW-28D	MW-33	MW-34	MW-34D
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	13.80	6.90
13. Vinyl Acetate	<50.00	<50.00	<50.00	<50.00	<50.00
14. Cis-1,2-Dichloroethene	<5.00	<5.00	<5.00	6.20	<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
48. Acrolein	<50.00	<50.00	<50.00	<50.00	<50.00

Environment 1, Incorporated

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

CLIENT ID: 6062 S

ANALYST: MAO
DATE COLLECTED: 04/20/07
DATE ANALYZED: 05/03/07
DATE REPORTED: 05/24/07

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MW-28	MW-28D	MW-33	MW-34	MW-34D
49. Allyl Chloride	<10.00	<10.00	<10.00	<10.00	<10.00
50. Chloroprene	<20.00	<20.00	<20.00	<20.00	<20.00
51. 1,3-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
52. Dichlorodifluoromethane	<5.00	<5.00	<5.00	<5.00	<5.00
53. 1,3-Dichloropropane	<3.00	<3.00	<3.00	<3.00	<3.00
54. 2,2-Dichloropropane	<15.00	<15.00	<15.00	<15.00	<15.00
55. 1,1-Dichloropropene	<5.00	<5.00	<5.00	<5.00	<5.00
56. Ethyl Methacrylate	<10.00	<10.00	<10.00	<10.00	<10.00
57. Hexachlorobutadiene	<10.00	<10.00	<10.00	<10.00	<10.00
58. Isobutyl Alcohol	<100.00	<100.00	<100.00	<100.00	<100.00
59. Methacrylonitrile	<100.00	<100.00	<100.00	<100.00	<100.00
60. Methyl Methacrylate	<30.00	<30.00	<30.00	<30.00	<30.00
61. Naphthalene	<10.00	<10.00	<10.00	<10.00	<10.00
62. Propionitrile	<150.00	<150.00	<150.00	<150.00	<150.00
63. 1,2,4-Trichlorobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
64. Acetonitrile	<50.00	<50.00	<50.00	<50.00	<50.00

Environment 1, Incorporated

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

CLIENT ID: 6062 S

ANALYST: MAO
DATE COLLECTED: 04/20/07
DATE ANALYZED: 05/03/07
DATE REPORTED: 05/24/07

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

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

Environment 1, Incorporated

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

CLIENT ID: 6062 S

ANALYST: MAO
DATE COLLECTED: 04/20/07
DATE ANALYZED: 05/03/07
DATE REPORTED: 05/24/07

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MW-35	Equipment Blank	Trip Blank
49. Allyl Chloride	<10.00	<10.00	<10.00
50. Chloroprene	<20.00	<20.00	<20.00
51. 1,3-Dichlorobenzene	<5.00	<5.00	<5.00
52. Dichlorodifluoromethane	<5.00	<5.00	<5.00
53. 1,3-Dichloropropane	<3.00	<3.00	<3.00
54. 2,2-Dichloropropane	<15.00	<15.00	<15.00
55. 1,1-Dichloropropene	<5.00	<5.00	<5.00
56. Ethyl Methacrylate	<10.00	<10.00	<10.00
57. Hexachlorobutadiene	<10.00	<10.00	<10.00
58. Isobutyl Alcohol	<100.00	<100.00	<100.00
59. Methacrylonitrile	<100.00	<100.00	<100.00
60. Methyl Methacrylate	<30.00	<30.00	<30.00
61. Naphthalene	<10.00	<10.00	<10.00
62. Propionitrile	<150.00	<150.00	<150.00
63. 1,2,4-Trichlorobenzene	<10.00	<10.00	<10.00
64. Acetonitrile	<50.00	<50.00	<50.00

Environment 1, inc.
P.O. Box 7083, 114 Oakmont Dr.
Greenville, NC 27858

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

CHAIN OF CUSTODY RECORD

CLIENT: 6062 S **Week: 16**

NORTH WAKE UNLINED 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 12

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

CHEMICAL PRESERVATION: A B A A A A A E E E A

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 8081A	8081A Duplicate	8270C B\N	8260B App. II	8260 App. II 1	8260 App. II 2	8151A Landfill
MW-28	04 20 07	1050		18	7	G	G	G	G	G	G	G	G	G	G		G
MW-28D	04 20 07	1105		18	8	G	G	G	G	G	G	G	G	G	G		G
MW-33	04 20 07	0955		14	8	G	G	G	G	G	G	G	G	G	G		G
MW-34	04 20 07	0920		14	8	G	G	G	G	G	G	G	G	G	G		G
MW-34D	04 20 07	0940		15	8	G	G	G	G	G	G	G	G	G	G		G
MW-35	04 20 07	0900		15	8	G	G	G	G	G	G	G	G	G	G	G	G
Equipment Blank	04 20 07				3									G	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) Robert Hogge

SAMPLES RECEIVED IN LAB AT 4.0 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Robert Hogge	04 20 07	[signature]	4/20/07 3:10
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.

№ 144477

FORM #5

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6062 C

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

DATE COLLECTED: 04/20/07
DATE REPORTED : 05/04/07

REVIEWED BY:

PARAMETERS	SW-2	SW-3	Analysis Date	Analyst	Method Code
PH (field measurement), Units	6.5	6.8	04/20/07	RJH	SM4500HB
Antimony, ug/l	<6.0	<6.0	04/30/07	LFJ	EPA200.8
Arsenic, ug/l	< 10	< 10	04/30/07	LFJ	EPA200.8
Barium, ug/l	< 100	< 100	04/30/07	LFJ	EPA200.8
Beryllium, ug/l	<1.0	<1.0	04/30/07	LFJ	EPA200.8
Cadmium, ug/l	<1.0	<1.0	04/30/07	LFJ	EPA200.8
Cobalt, ug/l	< 10	< 10	04/30/07	LFJ	EPA200.8
Copper, ug/l	< 10	< 10	04/30/07	LFJ	EPA200.8
Total Chromium, ug/l	< 10	< 10	04/30/07	LFJ	EPA200.8
Lead, ug/l	< 10	< 10	04/30/07	LFJ	EPA200.8
Nickel, ug/l	< 50	< 50	04/30/07	LFJ	EPA200.8
Selenium, ug/l	< 10	< 10	04/30/07	LFJ	EPA200.8
Silver, ug/l	< 10	< 10	04/30/07	LFJ	EPA200.8
Thallium, ug/l	<5.0	<5.0	04/30/07	LFJ	EPA200.8
Vanadium, ug/l	< 25	< 25	04/30/07	LFJ	EPA200.8
Zinc, ug/l	< 10	< 10	04/30/07	LFJ	EPA200.8
Conductivity (at 25c), uMhos	121	123	04/20/07	RJH	SM2510B
Temperature, °C	16	13	04/20/07	RJH	SM2550B

Environment 1, Incorporated

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

CLIENT ID: 6062 C

ANALYST: MAO
DATE COLLECTED: 04/20/07
DATE ANALYZED: 05/03/07
DATE REPORTED: 05/04/07

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	SW-2	SW-3
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

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: 6062 C **Week:** 16

NORTH WAKE UNLINED 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	12
CONTAINER TYPE, P/G													P	P	P	P	G	G	G	
CHEMICAL PRESERVATION													A	B	A	A	E	E	E	
PARAMETERS			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	
SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME																		
SW-2	04 20 07	1255		16	4								G	G	G	G	G	G		
SW-3	04 20 07	1020		13	5								G	G	G	G	G	G	G	

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)
B Hope / FOX

SAMPLES RECEIVED IN LAB AT 1.0 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob Hope	04 20 07	[illegible]	4/20/07 23:10
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.

№ 144478

FORM #5

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6062 X

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

DATE COLLECTED: 04/19/07
DATE REPORTED : 05/10/07

REVIEWED BY:

PARAMETERS	MW-5	MW-6	MW-8	MW-9	MW-10	Analysis Date	Analyst	Method Code
BOD, mg/l	11	2.6	<2.0	8.6	<2.0	04/20/07	SMA	SM5210B
COD, mg/l	36	74	22	51	18	04/20/07	TRB	HACH8000
Nitrate Nitrogen, mg/l	<0.04	<0.04	0.12	<0.04	<0.04	04/20/07	TWA	EPA353.2
Total Organic Carbon, mg/l	3.00	19.34	<1.00	4.44	1.64	04/25/07	SEJ	SM5310C
Total Alkalinity, mg/l	418	386	64	295	58	04/20/07	TRB	SM2320B
Chloride, mg/l	13	168	6	27	4	04/23/07	MDM	SM4500-CLB
Sulfate, mg/l	21.6	42.0	8.9	9.8	14.8	04/25/07	TRB	EPA375.4
Turbidity, NTU	290	2.5	3.5	340	19	04/20/07	MDM	SM2130B
Sulfide, ug/l	<1000	<1000	<1000	<1000	<1000	04/23/07	LFJ	SM4500-S2D
Dissolved Oxygen, mg/l	0.99	1.45	0.88	0.78	0.62	04/19/07	RJH	SM4500OG
Iron, Ferrous, ug/l	34951	225	11	8388	179	04/24/07	TRB	SM3500-FED
Carbon Dioxide, mg/l	315	608	90	368	246	04/20/07	TRB	SM4500CO2C
ORP, mv	-64	95	78	-5	126	04/19/07	RJH	SM2580B

Environment 1, Incorporated

PO BOX [illegible]
GREENVILLE NC 27835-[illegible]
PHONE [illegible]
FAX [illegible]

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6062 X

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

DATE COLLECTED: 04/19/07
DATE REPORTED : 05/10/07

REVIEWED BY:

PARAMETERS	MW-24	TB-1A	Analysis Date	Analyst	Method Code
BOD, mg/l	<2.0	<2.0	04/20/07	SMA	SM5210B
COD, mg/l	17	14	04/20/07	TRB	HACH8000
Nitrate Nitrogen, mg/l	0.29	0.30	04/20/07	TWA	EPA353.2
Total Organic Carbon, mg/l	<1.00	1.38	04/25/07	SEJ	SM5310C
Total Alkalinity, mg/l	39	31	04/20/07	TRB	SM2320B
Chloride, mg/l	7	20	04/23/07	MDM	SM4500-CLB
Sulfate, mg/l	6.2	11.1	04/25/07	TRB	EPA375.4
Turbidity, NTU	550	310	04/20/07	MDM	SM2130B
Sulfide, ug/l	<1000	<1000	04/23/07	LFJ	SM4500-S2D
Dissolved Oxygen, mg/l	3.60	1.11	04/19/07	RJH	SM4500OG
Iron, Ferrous, ug/l	716	491	04/24/07	TRB	SM3500-FED
Carbon Dioxide, mg/l	120	57	04/20/07	TRB	SM4500CO2C
ORP, mv	163	144	04/19/07	RJH	SM2580B

Environment 1, Incorporated

[redacted]

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

REVIEWED BY:

CLIENT ID: 6062 X

ANALYST: MMC
DATE COLLECTED: 04/19/07
DATE ANALYZED: 05/02/07
DATE REPORTED: 05/10/07

DISSOLVED GASSES
EPA 3810

PARAMETERS, ug/l	MW-5	MW-6	MW-8	MW-9	MW-10
1. Methane (Maximum Dissolved)	1500.00	880.00	180.00	2300.00	760.00
2. Ethane (Maximum Dissolved)	<10.00	<10.00	<10.00	<10.00	<10.00
3. Ethene (Maximum Dissolved)	<12.00	<12.00	<12.00	<12.00	<12.00

Environment 1, Incorporated

[redacted]

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

CLIENT ID: 6062 X

ANALYST: MMC
DATE COLLECTED: 04/19/07
DATE ANALYZED: 05/02/07
DATE REPORTED: 05/10/07

REVIEWED BY:

DISSOLVED GASSES
EPA 3810

PARAMETERS, ug/l	MW-24	TB-1A
1. Methane (Maximum Dissolved)	12.00	<7.20
2. Ethane (Maximum Dissolved)	<10.00	<10.00
3. Ethene (Maximum Dissolved)	<12.00	<12.00

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: 6062 X **Week: 16**

NORTH WAKE UNLINED 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)			Ld		Ld												
CONTAINER TYPE, P/G	P	P	P	P	P	P	P	P	P	P	P	G	G	P	P		
CHEMICAL PRESERVATION	A	C	A	C	A	A	A	A	F D	A	E	E	A	A	A		
PARAMETERS	BOD	COD	Nitrate	TOC	Alkalinity	Chloride	Sulfate	Turbidity	Sulfide	DO	Ferrous Iron	Methane +	Methane Dup.	CO2	ORP		

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

SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	BOD	COD	Nitrate	TOC	Alkalinity	Chloride	Sulfate	Turbidity	Sulfide	DO	Ferrous Iron	Methane +	Methane Dup.	CO2	ORP
MW-5	04 1907	1017		18	14	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
MW-6	04 1907	1145		15	14	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
MW-8	04 1907	0807		15	14	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
MW-9	04 1907	1220		17	14	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
MW-10	04 1907	1255		17	14	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
MW-24	04 1907	1349		16	14	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
TB-1A	04 1907	1440		17	14	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G

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

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY
Y N

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

SAMPLES RECEIVED IN LAB AT 2.0 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
H Bove	04 1907	Anthony Smith	4/20/07 8:40
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.

№ 144476

FORM #5

Client Name: Environment 1, Inc.
Contact: Steve Jones
Address: PO Box 7085
114 Oakmont Drive
Greenville, NC 27835

Lab Proj #: P0704378
Report Date: 05/07/07
Client Proj Name: Wake County
Client Proj #: Wake County

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MW5	Vapor	P0704378-01	19 Apr. 07	23 Apr. 07 12:25

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
BioskAnalysis						
N Hydrogen	1.900	0.600	nM	AM20GAX	5/3/07	mm
SemiVolatiles						
N Acetic Acid	0.10	0.07	mg/L	AM23G	4/28/07	jb
N Butyric Acid	<0.07	0.07	mg/L	AM23G	4/28/07	jb
Hexanoic Acid	<0.10	0.10	mg/L	AM23G	4/28/07	jb
N i-Hexanoic Acid	<0.10	0.10	mg/L	AM23G	4/28/07	jb
N i-Pentanoic Acid	<0.07	0.07	mg/L	AM23G	4/28/07	jb
Lactic Acid and HIBA	0.19	0.10	mg/L	AM23G	4/28/07	jb
N Pentanoic Acid	<0.07	0.07	mg/L	AM23G	4/28/07	jb
N Propionic Acid	<0.07	0.07	mg/L	AM23G	4/28/07	jb
Pyruvic Acid	0.13	0.07	mg/L	AM23G	4/28/07	jb

N - NELAC certified analysis

Client Name: Environment 1, Inc.
Contact: Steve Jones
Address: PO Box 7085
114 Oakmont Drive
Greenville, NC 27835

Lab Proj #: P0704378
Report Date: 05/07/07
Client Proj Name: Wake County
Client Proj #: Wake County

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MW6	Vapor	P0704378-02	19 Apr. 07	23 Apr. 07 12:25

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N Hydrogen	1.200	0.600	nM	AM20GAX	5/3/07	mm
SemiVolatiles						
N Acetic Acid	<0.07	0.07	mg/L	AM23G	4/28/07	jb
N Butyric Acid	<0.07	0.07	mg/L	AM23G	4/28/07	jb
I Hexanoic Acid	<0.10	0.10	mg/L	AM23G	4/28/07	jb
N i-Hexanoic Acid	<0.10	0.10	mg/L	AM23G	4/28/07	jb
N i-Pentanoic Acid	<0.07	0.07	mg/L	AM23G	4/28/07	jb
I Lactic Acid and HIBA	0.22	0.10	mg/L	AM23G	4/28/07	jb
N Pentanoic Acid	<0.07	0.07	mg/L	AM23G	4/28/07	jb
N Propionic Acid	<0.07	0.07	mg/L	AM23G	4/28/07	jb
I Pyruvic Acid	0.10	0.07	mg/L	AM23G	4/28/07	jb

N - NELAC certified analysis

Client Name: Environment 1, Inc.
Contact: Steve Jones
Address: PO Box 7085
114 Oakmont Drive
Greenville, NC 27835

Lab Proj #: P0704378
Report Date: 05/07/07
Client Proj Name: Wake County
Client Proj #: Wake County

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MW8	Vapor	P0704378-03	19 Apr. 07	23 Apr. 07 12:25

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N Hydrogen	1.000	0.600	nM	AM20GAX	5/3/07	mm
SemiVolatiles						
N Acetic Acid	<0.07	0.07	mg/L	AM23G	4/28/07	jb
N Butyric Acid	<0.07	0.07	mg/L	AM23G	4/28/07	jb
Hexanoic Acid	<0.10	0.10	mg/L	AM23G	4/28/07	jb
N i-Hexanoic Acid	<0.10	0.10	mg/L	AM23G	4/28/07	jb
N i-Pentanoic Acid	<0.07	0.07	mg/L	AM23G	4/28/07	jb
Lactic Acid and HIBA	0.18	0.10	mg/L	AM23G	4/28/07	jb
N Pentanoic Acid	<0.07	0.07	mg/L	AM23G	4/28/07	jb
N Propionic Acid	<0.07	0.07	mg/L	AM23G	4/28/07	jb
Pyruvic Acid	<0.07	0.07	mg/L	AM23G	4/28/07	jb

N - NELAC certified analysis

Client Name: Environment 1, Inc.
Contact: Steve Jones
Address: PO Box 7085
114 Oakmont Drive
Greenville, NC 27835

Lab Proj #: P0704378
Report Date: 05/07/07
Client Proj Name: Wake County
Client Proj #: Wake County

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MW9	Water	P0704378-04	19 Apr. 07	23 Apr. 07 12:25

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles						
N Acetic Acid	<0.07	0.07	mg/L	AM23G	4/28/07	jb
N Butyric Acid	<0.07	0.07	mg/L	AM23G	4/28/07	jb
N Hexanoic Acid	<0.10	0.10	mg/L	AM23G	4/28/07	jb
N i-Hexanoic Acid	<0.10	0.10	mg/L	AM23G	4/28/07	jb
N i-Pentanoic Acid	<0.07	0.07	mg/L	AM23G	4/28/07	jb
N Lactic Acid and HIBA	0.17	0.10	mg/L	AM23G	4/28/07	jb
N Pentanoic Acid	<0.07	0.07	mg/L	AM23G	4/28/07	jb
N Propionic Acid	<0.07	0.07	mg/L	AM23G	4/28/07	jb
N Pyruvic Acid	<0.07	0.07	mg/L	AM23G	4/28/07	jb

N - NELAC certified analysis

Client Name: Environment 1, Inc.
Contact: Steve Jones
Address: PO Box 7085
114 Oakmont Drive
Greenville, NC 27835

Lab Proj #: P0704378
Report Date: 05/07/07
Client Proj Name: Wake County
Client Proj #: Wake County

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MW10	Water	P0704378-05	19 Apr. 07	23 Apr. 07 12:25

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles						
N Acetic Acid	<0.07	0.07	mg/L	AM23G	4/28/07	jb
N Butyric Acid	<0.07	0.07	mg/L	AM23G	4/28/07	jb
N Hexanoic Acid	<0.10	0.10	mg/L	AM23G	4/28/07	jb
N i-Hexanoic Acid	<0.10	0.10	mg/L	AM23G	4/28/07	jb
N i-Pentanoic Acid	<0.07	0.07	mg/L	AM23G	4/28/07	jb
N Lactic Acid and HIBA	0.18	0.10	mg/L	AM23G	4/28/07	jb
N Pentanoic Acid	<0.07	0.07	mg/L	AM23G	4/28/07	jb
N Propionic Acid	<0.07	0.07	mg/L	AM23G	4/28/07	jb
N Pyruvic Acid	<0.07	0.07	mg/L	AM23G	4/28/07	jb

N - NELAC certified analysis

Client Name: Environment 1, Inc.
Contact: Steve Jones
Address: PO Box 7085
114 Oakmont Drive
Greenville, NC 27835

Lab Proj #: P0704378
Report Date: 05/07/07
Client Proj Name: Wake County
Client Proj #: Wake County

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MW24	Water	P0704378-06	19 Apr. 07	23 Apr. 07 12:25

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles						
N Acetic Acid	<0.07	0.07	mg/L	AM23G	4/28/07	jb
N Butyric Acid	<0.07	0.07	mg/L	AM23G	4/28/07	jb
N Hexanoic Acid	<0.10	0.10	mg/L	AM23G	4/28/07	jb
N i-Hexanoic Acid	<0.10	0.10	mg/L	AM23G	4/28/07	jb
N i-Pentanoic Acid	<0.07	0.07	mg/L	AM23G	4/28/07	jb
N Lactic Acid and HIBA	0.18	0.10	mg/L	AM23G	4/28/07	jb
N Pentanoic Acid	<0.07	0.07	mg/L	AM23G	4/28/07	jb
N Propionic Acid	<0.07	0.07	mg/L	AM23G	4/28/07	jb
N Pyruvic Acid	<0.07	0.07	mg/L	AM23G	4/28/07	jb

N - NELAC certified analysis

Client Name: Environment 1, Inc.
Contact: Steve Jones
Address: PO Box 7085
114 Oakmont Drive
Greenville, NC 27835

Page: Page 8 of 8
Lab Proj #: P0704378
Report Date: 05/07/07
Client Proj Name: Wake County
Client Proj #: Wake County

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
TB1A	Water	P0704378-07	19 Apr. 07	23 Apr. 07 12:25

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles						
N Acetic Acid	<0.70	0.70	mg/L	AM23G	4/30/07	jb
I Butyric Acid	5.50	0.70	mg/L	AM23G	4/30/07	jb
N Hexanoic Acid	<1.00	1.00	mg/L	AM23G	4/30/07	jb
N i-Hexanoic Acid	<1.00	1.00	mg/L	AM23G	4/30/07	jb
I i-Pentanoic Acid	<0.70	0.70	mg/L	AM23G	4/30/07	jb
N Lactic Acid and HIBA	1.90	1.00	mg/L	AM23G	4/30/07	jb
N Pentanoic Acid	<0.70	0.70	mg/L	AM23G	4/28/07	jb
I Propionic Acid	<0.70	0.70	mg/L	AM23G	4/30/07	jb
I Pyruvic Acid	<0.70	0.70	mg/L	AM23G	4/30/07	jb

N - NELAC certified analysis

Microseeps Lab. Proj. # P004578

CHAIN - OF - CUSTODY RECORD

Microseeps COC cont. # 790

Phone: (412) 826-5245 Micro... 220 William Pitt Way - Pittsburgh, PA 15238 Fax No. : (412) 826-3433

Company : ENVIRONMENT 1

Co. Address : GREENVILLE, NC

Phone # : 252-756-6208 Fax # : 252-756-0633

Proj. Manager : STEVE JONES

Proj. Name/Number : WAKE COUNTY

Sampler's signature :

Cooler Temp.

Results to :

Invoice to :

Sample ID	Sample Description	Sample Type water	Vapor	Solid	Date	Time	# bottles	HYDROGEN	LL VOL. FATTY ACIDS								Remarks :
MW5	WELL #5	✓	✓		4/19/07		3	X	X								
MW6	WELL #6	✓	✓				3	X	X								
MW8	WELL #8	✓	✓				3	X	X								
MW9	WELL #9	✓					2		X								NO HYDROGEN SAMPLE
MW10	WELL #10	✓					2		X								
MW24	WELL #24	✓					2		X								
TB1A	WELL TB1A	✓			↓		2		X								↓

Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
[illegible]	ENVIRONMENT 1	4/20/07	9AM	[illegible]	M	4/23/07	
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :

WHITE COPY : Accompany Samples YELLOW COPY : Laboratory File PINK COPY : Submitter