92-09

WAKE COUNTY
NORTH CAROLINA

Carmen Johnson
Scanned by | Date | Doc ID # RCC
92-09 8/20/12

North Wake Unlined MSW Landfill

Semi-Annual Groundwater Assessment

Monitoring Sampling Report for November 2006

Received
MAR 2007
Waste Management

Received

February 2007

HAZEN AND SAWYER
Environmental Engineers & Scientists

30547-001-CV-04E.cdr

HAZEN AND SAWYER
Environmental Engineers & Scientists

Hazen and Sawyer, P.C.
4011 WestChase Blvd.
Suite 500
Raleigh, NC 27607
(919) 833-7152
(919) 833-1828 (Fax)

February 26, 2007

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

Carmen Johnson
Scanned by | Date 8/20/12 | Doc ID # RCO
92-09

Re: Wake County North Wake Unlined Landfill
November 2006 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 **November 9, 2006**. For this, the second of the 2006 sampling events, a total of 22 groundwater monitoring wells was sampled and tested for **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.

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 November 9, 2006 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-29D,
MW-30, MW-31, MW-31D, MW-32, TB-1A
TB-1AD,
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 November 9, 2006 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 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 Quality Standards (15A NCAC 02L.0202) are highlighted.

Summaries of all laboratory results for Metals and for Volatile Organic Compounds are provided on Tables 4a and 4b, respectively. Detected Appendix II constituents for VOC's, Semi-Volatile compounds, and Pesticides/Herbicides and PCB compounds are shown in Tables 5a, 5b, and 5c, respectively. Complete laboratory analyses and reports are provided in the Appendix.

MW-5

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

MW-6

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

MW-6D

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

MW-7

Metals:	**Cadmium**, **Cobalt**, Chromium, Mercury, Zinc
Volatile Organic Compounds:	Cis-1,2-Dichloroethene
Semi-Volatile Compounds:	None Detected
Pesticides/Herbicides/PCBs:	None Detected

MW-8

Metals:	Beryllium, Chromium, Lead, Zinc
Volatile Organic Compounds:	None Detected
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:	None Detected
Volatile Organic Compounds:	**Vinyl Chloride**, Cis-1,2-Dichloroethene, 1,1-Dichloroethane, **1,4-Dichlorobenzene**
Semi-Volatile Compounds:	None Detected
Pesticides/Herbicides/PCBs:	**Gamma-BHC (Lindane)**

MW-10

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

MW-10D

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

MW-22

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

MW-23

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

MW-32

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

TB-1A

Metals:	**Cadmium**, Chromium, **Mercury**, 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:	None Detected
Volatile Organic Compounds:	None Detected
Semi-Volatile Compounds:	None Detected
Pesticides/Herbicides/PCBs:	None Detected

MW-30

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

MW-31

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

MW-31D

Metals:	None Detected
Volatile Organic Compounds:	Chloroform
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 generally remain lower than normal, reflecting the drought which extended through 2005-2006. Levels recorded in November 2006 are slightly higher or lower to those recorded for the same wells in April 2006, but still two to six feet below levels recorded in April 2005.

A reduction in groundwater levels may produce an apparent increase in constituent concentrations in groundwater, especially for metals at North Wake. Where Appendix I metals were reported, the concentrations were similar to previously reported values, however in wells MW-7, MW-23 and MW-24, several metals were detected that have not been detected since the late 1990's. These data alone do not represent a significant trend. It is reasonable to conclude that the lower groundwater levels recorded in November 2006 have not affected the measured groundwater quality.

1. Metals

Concentrations in excess of the Groundwater Quality Standards were recorded for *Cobalt* in four monitoring wells (MW-5, 6, 7, and 22). Exceedances for Cobalt have occurred in all these wells on previous occasions. Concentrations in excess of the Groundwater Quality Standards were recorded for *Cadmium* in three monitoring wells (MW-7, 22 and TB-1A). This constituent has been detected at similar concentrations in wells MW-22 and TB-1A in past sampling events but has not been detected in well MW-7 since 1998.

Concentrations in excess of the Groundwater Quality Standards were recorded for *Beryllium* in one monitoring well MW-24. This constituent has been detected previously in this well at similar concentrations.

Concentrations in excess of the Groundwater Quality Standards were recorded for *Lead* in monitoring wells MW-23 and MW-24, with a concentration for MW-24 similar to past sampling events. Concentrations in excess of the Groundwater Quality Standards were recorded for *Mercury* in monitoring wells MW-24 and TB-1A. Exceedances for *Mercury* have been recorded in the past for well MW-24 but not for well TB-1A.

2. Volatile Organic Compounds

Concentrations in excess of the State Groundwater Quality Standards were recorded for *Vinyl Chloride* in MW-9 at a concentration similar to previous testing data recorded in 2005 and April 2006 sampling events. 1,4-Dichlorobenzene was also recorded at concentrations in excess of the State Groundwater Quality Standards for both wells MW-5 and MW-9 but at similar concentrations to past sampling events.

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 2006 sampling event.

4. Pesticides/Herbicides/PCB's

All of the Appendix II pesticides/herbicides/PCB's detected in the November 2006 sampling event. *Gamma-BHC (Lindane)* was detected in excess of the Groundwater Quality Standards for this sampling event in monitoring well MW-9. *Gamma-BHC* has been recorded in the past in this well but at lower concentrations. Pesticides/insecticides detected are shown 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 14, 2006 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 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 November 2006 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 November 2006 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 April (conducted with data from 1994 to April 2006) and November (conducted with data from 1994 to November 2006) shows a few metals that are no longer statistically significant that were indicated as such in April 2006. A complete list of constituents that are statistically significant for both statistical analyses is shown on Tables 6a through 6c.

A data CD for all three of the North Wake landfills is provided as an enclosure to the North Wake Lined Landfill November 2006 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 is being provided to the NCDENR Solid Waste Section in accordance with State regulations. In addition, the NCDENR Environmental Monitoring Reporting Form and Data Form are included immediately following this cover letter.

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

Attachment: Environmental Monitoring Reporting Form

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	November 9-10, 2006

Environmental Status: (Check all that apply)

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

Type of data submitted: (Check all that apply)

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

Notification attached?

☐ No. No groundwater or surface water standards 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) (Area Code) Telephone Number

Signature Date 2-27-07

NORTH CAROLINA PROFESSIONAL SEAL 9339 ENGINEER JOHN A. BOVE

Affix NC Licensed/ Professional Geologist/Engineer Seal here:

Revised 01/2007

Facility Name: North Wake Unlined Landfill
Monitoring Event Date: 11/09/2006 - 11/10/2006

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	2L STANDARD (ug/L)	GWP STANDARD (ug/L)	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
92-09	MW-5	7440-48-4	53	Cobalt	23	ug/L		NE	2		11/09/2006		11/16/2006
92-09	MW-5	156-59-2	78	Cis-1,2-Dichloroethene	8.6	ug/L	U	70	NE		11/09/2006	11/14/2006	11/18/2006
92-09	MW-5	106-46-7	71	1,4-Dichlorobenzene	5.6	ug/L		1.4	NE		11/09/2006	11/14/2006	11/18/2006
92-09	MW-6	7440-48-4	53	Cobalt	65	ug/L		NE	2		11/09/2006		11/16/2006
92-09	MW-7	7440-43-9	34	Cadmium	2	ug/L		1.75	NE		11/09/2006		11/16/2006
92-09	MW-7	7440-48-4	53	Cobalt	29	ug/L		NE	2		11/09/2006		11/16/2006
92-09	MW-7	7440-47-3	51	Chromium	36	ug/L	U	50	NE		11/09/2006		11/16/2006
92-09	MW-7	7439-97-6	132	Mercury	0.63	ug/L	U	1.05	NE		11/09/2006		12/01/2006
92-09	MW-7	7440-66-6	213	Zinc	56	ug/L	U	1050	NE		11/09/2006		11/16/2006
92-09	MW-7	156-59-2	78	Cis-1,2-Dichloroethene	27.2	ug/L	U	70	NE		11/09/2006	11/14/2006	11/18/2006
92-09	MW-8	7440-41-7	23	Beryllium	2	ug/L	U	NE	2		11/09/2006		11/16/2006
92-09	MW-8	7440-47-3	51	Chromium	34	ug/L	U	50	NE		11/09/2006		11/16/2006
92-09	MW-8	7439-92-1	131	Lead	11	ug/L	U	15	NE		11/09/2006		11/16/2006
92-09	MW-8	7440-66-6	213	Zinc	99	ug/L	U	1050	NE		11/09/2006		11/16/2006
92-09	MW-9	156-59-2	78	Cis-1,2-Dichloroethene	5.9	ug/L	U	70	NE		11/09/2006	11/14/2006	11/20/2006
92-09	MW-9	75-34-3	75	1,1-Dichloroethane	39.9	ug/L	U	70	NE		11/09/2006	11/14/2006	11/20/2006
92-09	MW-9	106-46-7	71	1,4-Dichlorobenzene	5.8	ug/L		1.4	NE		11/09/2006	11/14/2006	11/20/2006
92-09	MW-9	75-01-4	211	Vinyl Chloride	23	ug/L		0.015	NE		11/09/2006	11/14/2006	11/20/2006
92-09	MW-9	58-89-9	27	Gamma-BHC (Lindane)	0.786	ug/L		0.2	NE		11/09/2006	11/13/2006	11/22/2006
92-09	MW-10	156-59-2	78	Cis-1,2-Dichloroethene	27.7	ug/L	U	70	NE		11/09/2006	11/14/2006	11/20/2006
92-09	MW-10	75-34-3	75	1,1-Dichloroethane	7.8	ug/L	U	70	NE		11/09/2006	11/20/2006	11/20/2006
92-09	MW-11	7440-66-6	213	Zinc	82	ug/L	U	1050	NE		11/10/2006		11/17/2006
92-09	MW-22	7440-43-9	34	Cadmium	2	ug/L		1.75	NE		11/10/2006		11/22/2006
92-09	MW-22	7440-48-4	53	Cobalt	15	ug/L		NE	2		11/10/2006		11/22/2006
92-09	MW-23	7440-47-3	51	Chromium	13	ug/L	U	50	NE		11/09/2006		11/16/2006
92-09	MW-23	7439-92-1	131	Lead	39	ug/L		15	NE		11/09/2006		11/16/2006
92-09	MW-23	7440-66-6	213	Zinc	133	ug/L	U	1050	NE		11/09/2006		11/16/2006
92-09	MW-24	7440-41-7	23	Beryllium	4	ug/L		NE	2		11/09/2006		11/17/2006
92-09	MW-24	7440-47-3	51	Chromium	10	ug/L	U	50	NE		11/09/2006		11/17/2006
92-09	MW-24	7439-92-1	131	Lead	46	ug/L		15	NE		11/09/2006		11/17/2006
92-09	MW-24	7439-97-6	132	Mercury	1.7	ug/L		1.05	NE		11/09/2006		12/01/2006
92-09	MW-24	7440-66-6	213	Zinc	464	ug/L	U	1050	NE		11/09/2006		11/22/2006
92-09	MW-24	67-66-3	44	Chloroform	9.8	ug/L	U	70	NE		11/09/2006	11/13/2006	11/20/2006
92-09	MW-30	7440-47-3	51	Chromium	32	ug/L	U	50	NE		11/10/2006		11/22/2006
92-09	MW-30	7439-92-1	131	Lead	10	ug/L	U	15	NE		11/10/2006		11/22/2006
92-09	MW-30	7440-66-6	213	Zinc	83	ug/L	U	1050	NE		11/10/2006		11/22/2006
92-09	MW-31	7440-47-3	51	Chromium	15	ug/L	U	50	NE		11/09/2006		11/17/2006
92-09	MW-31	67-66-3	44	Chloroform	26.2	ug/L	U	70	NE		11/09/2006	11/13/2006	11/20/2006
92-09	MW-31D	67-66-3	44	Chloroform	37.7	ug/L	U	70	NE		11/09/2006	11/13/2006	11/21/2006

Facility Name: North Wake Unlined Landfill
Monitoring Event Date: 11/09/2006 - 11/10/2006

FACILITY PERMIT	WELL ID	CAS Number	SWS ID	PARAMETER	RESULT	UNITS	QUALIFIER	2L STANDARD (ug/L)	GWP STANDARD (ug/L)	DILUTION FACTOR	COLLECT DATE	EXTRACTION DATE	ANALYSIS DATE
92-09	TB-1A	7440-43-9	34	Cadmium	5	ug/L		1.75	NE		11/09/2006		11/17/2006
92-09	TB-1A	7440-47-3	51	Chromium	17	ug/L	U	50	NE		11/09/2006		11/17/2006
92-09	TB-1A	7439-97-6	132	Mercury	2.5	ug/L		1.05	NE		11/09/2006		12/01/2006
92-09	TB-1A	7440-66-6	213	Zinc	87	ug/L	U	1050	NE		11/09/2006		11/17/2006
92-09	TB-1A	67-66-3	44	Chloroform	25.5	ug/L	U	70	NE		11/09/2006	11/13/2006	11/21/2006
92-09	TB-1AD	67-66-3	44	Chloroform	35.6	ug/L	U	70	NE		11/10/2006	11/14/2006	11/21/2006

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)
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
MW-5R	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
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
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	222.26	222.10
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
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
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
MW-10	277.78	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
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
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
MW-11D	343.01									301.22	300.89	299.75	299.29	299.06
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
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
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
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
MW-27	215.54	210.48	209.82	NS	209.52	NS	211.03	NS	210.49	NS	210.61	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
MW-28d	238.47	210.87	212.12	NS	212.37	NS	223.12	NS	221.82	NS	221.70	NS	220.66	NS
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
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
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
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
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
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
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
MW-33	221.60	210.85	208.93	NS	210.80	NS	212.07	NS	210.50	NS	210.77	NS	209.92	NS
MW-34	221.61	209.50	206.80	NS	208.06	NS	211.79	NS	208.50	NS	209.16	NS	207.78	NS
MW-34d	221.84	209.22	206.79	NS	208.74	NS	211.36	NS	208.33	NS	208.88	NS	207.64	NS
MW-35	223.12	207.57	205.26	NS	206.32	NS	209.82	NS	208.42	NS	207.32	NS	206.08	NS

(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)
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
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
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
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
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
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
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
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
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
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

NS - Not Sampled
NC - Not Constructed

Table 3
Field Parameters
North Wake Unlined Landfill

Sampling Date:	4/9/2002			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		
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	5.54	190	16.9	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
MW-6	5.47	79	15.6	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	869	19	5.8	133	19
MW-6d	6.87	105	17.3	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	119	19	6.0	132	19
MW-7	5.90	228	15.4	6.14	222	18.6	5.85	384	14.8	5.50	464	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
MW-8	6.00	76	16.2	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
MW-8d	7.16	163	17.0	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
MW-9	6.11	517	17.3	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
MW-10 (relocated)	5.58	122	16.7	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
MW-10d	5.75	195	16.4	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
MW-11	6.19	60	16.2	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
MW-11D																6.1	88	15	5.8	953	18	5.9	90	16	5.8	93	18	6.0	106	18
MW-22	5.75	124	17.0	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
MW-23	4.97	83	16.3	6.05	81	16.3	5.64	80	17.4	5.09	112	16.4	4.13	70	16.3	5.4	65	15	5.3	69	17	5.4	808	16	5.6	95	18	5.7	76	17
MW-23 deep	5.65	96	15.9	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
MW-24	5.59	153	16.9	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	106	18	5.7	106	15	5.5	109	18	5.7	103	16
MW-27	6.25	149	14.2	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
MW-28	6.05	135	16.3	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
MW-28d	6.78	212	16.0	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
MW-29d	5.87	100	16.4	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	16
MW-30	6.09	84	16.0	6.61	84	15.4	6.23	88	16.1	5.58	133	16.8	6.08	84	14.9	6.1	102	15	5.8	105	17	6.0	110	16	5.8	112	17	5.9	123	16
MW-31	5.97	155	18.1	6.15	169	17.6	5.68	175	17.8	5.38	252	18.8	6.01	134	18.7	5.8	154	17	5.7	154	20	6.1	182	15	5.7	152	19	5.7	179	19
MW-31d	6.42	112	16.8	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
MW-32	5.97	164	15.8	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
TB-1a	5.70	151	16.6	5.83	164	15.8	5.82	176	16.1	5.04	178	16.2	5.36	122	15.9	5.7	129	18	5.9	134	19	5.8	155	14	5.7	128	19	5.7	133	17
TB-1a deep	6.46	90	16.1	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
MW-33	6.59	76	14.9	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
MW-34	5.38	68	14.7	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
MW-34d	6.07	116	15.5	NS	NS	NS	5.36	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
MW-35	5.41	28	15.0	NS	NS	NS	5.29	26	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

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		50	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	1.8
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-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

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-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	66	<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**	4.9	32	**24**	<200	<10	<50	<20	<10	<10	**68**	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	**19.3**	<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-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	**16**	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	**65**	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	19-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-6	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	0.464
MW-6	14-Apr-04	**20.6**	<500	<2	<1	<10	**48.1**	<200	<10	<50	<20	<10	<10	<40	<50	0.283
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	**65**	<200	<10	<50	<20	<10	<10	<40	<50	<.5
MW-6d	8-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

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-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	29	
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-8	6-Mar-94	<5	120	<5	<5	17	<10	26	<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	150	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	38	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	19.8	<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	99	<.5

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-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-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	**16**	<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**	166	<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

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	29	
MW-10	13-Jun-95	<10	<500	2	2	111	38	339	<10	143	<20	<10	<10	313	168	<.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	28-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	18-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-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-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	196	<.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

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-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-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	0.98
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

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	68	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-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-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

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-98	<10	<500	<2	<1	**60**	**19**	<200	<10	<50	<20	<10	<10	**56**	60	<.2
MW-30	17-Aug-98	<10	<500	<2	**34**	**50**	**19**	<200	<10	50	<20	<10	<10	**50**	190	<.2
MW-30	9-Sep-98	<10	<500	<2	<1	16	<10	<200	<10	50	<20	<10	<10	<40	140	<.2
MW-30	7-Oct-98	<10	<500	<2	1.1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-30	7-Dec-98	<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-31	1-May-98	<10	<500	<2	<1	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31	17-Aug-98	<10	<500	<2	**14**	**88**	<10	<200	**38**	82	<20	<10	<10	**81**	220	<.2
MW-31	9-Sep-98	<10	<500	<2	3.3	42	<10	<200	**15**	<50	<20	<10	<10	<40	530	<.2
MW-31	7-Oct-98	<10	<500	<2	1.8	10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31	8-Dec-98	<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	**64**	**32**	<200	14	<50	<20	<10	<10	**120**	64	<.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-31d	1-May-98	<10	<500	**3**	<1	**110**	**13**	<200	**19**	68	<20	<10	<10	**280**	210	<.2
MW-31d	17-Aug-98	<10	<500	<2	**8.6**	10	<10	<200	<10	<50	<20	<10	<10	<40	94	<.2
MW-31d	9-Sep-98	<10	<500	<2	2.8	25	<10	<200	<10	<50	<20	<10	<10	**60**	260	<.2
MW-31d	7-Oct-98	<10	<500	<2	2.2	<10	<10	<200	<10	<50	<20	<10	<10	<40	<50	<.2
MW-31d	8-Dec-98	<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

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
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 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
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	26-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**	885	<.5
MW-33	14-Apr-06	<10	<500	**3**	<1	47	**15**	<200	**27**	<50	<20	<10	<10	**80**	699	<.5

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-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-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
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-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	

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

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	0.015	1400		100	4200		35/3.5*	0.005
MW-1	15-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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<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	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15

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	0.015	1400		100	4200		35/3.5*	0.005
MW-5	6-Mar-94	4.9	<.5	5.3	14	<.5	<.5	2.1	<.5	150	<.5	0.8	<.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	5.7	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	26	<1	11	<1	5.7	4.9	<2	<20	<1			<.5	<20			
MW-5	31-May-94	3.1	<.5	7.2	8.1	<.5	0.6	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	7.6	7.1	24.5	<.5	1.2	<1	71.8	<1	1.4	<1	34.1	<1	12.4	<1	<1	3.6	<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	4.6	<2	<20	<1			<.5	<20			
MW-5	13-Jun-95	10	<5	<5	19	48	<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	61	<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	15	<5	<10	9	<5	<100	<10	<5	<5	<5	<100	<20		
MW-5	30-Jan-96	10	<5	<5	17	50	<5	23	<5	198	<5	<5	<5	<5	<5	<10	<5	<10	7	<5	<100	<10	16	<5	<5	<100	<20		
MW-5	28-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	6.5	<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	6	<20	<250	<10	<10	<10	<10	<250	<10	26	
MW-5	2-Dec-99	6	<5	<5	16	<10	<5	72	<5	60	<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	39	<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	16	<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	26	<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	490	<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	9.2	<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	8.6	5.6	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
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	<8	<200	<20	<10	<10	<10	<200	<10		<30
MW-6	6-Mar-94	1.7	<.5	5.9	4.6	<.5	0.83	<.5	<.5	34	<1	1	<.5	3.9	<.5	37	<.5	<.5	3.4	2.42	<5	<.5			<.5	<5			
MW-6	15-Apr-94	<1	<.5	<.5	2.1	8.5	<.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	18.4	<.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	16.6	<5	<.5			<.5	<5			
MW-6	25-Aug-94	<1	<.5	<.5	<5	22	<.5	<.5	<1	36	<1	<.5	<1	<5	<1	79.8	<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	66	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	61	<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	6.7	<1	29	<1	<1	<1	<1	<1	88	<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	26	<10	14	<10	40	<10	<10	<10	<10	<20	180	<10	<20	<10	<10	<200	<20	<10	<10	<10	<200	<5		
MW-6	16-Apr-99	5	<10	<10	11	16	<10	<10	<10	26	<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	63	<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	6	<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	46	<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	26	<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

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	0.015	1400		100	4200		35/3.5*	0.005
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-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	16		<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	6	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	16		<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

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	0.015	1400		100	4200		35/3.5[a]	0.005
MW-8	6-Mar-94	6.8	1	18	16	<.5	2.2	7.6	3.2	13	<1	1.3	4	7.3	<.5	450	0.56	<.5	7.5	35.6	<5	0.76			<.5	<5			
MW-8	15-Apr-94	7.9	1.8	<.5	17.5	39.8	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	5.6	<2.5	<2.5	15	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	5.6	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	8	<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	15	<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	16	<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	6.3	<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	56	<5	15	<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	16-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)	16-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-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

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	0.015	1400		100	4200		35/3.6*	0.005
MW-9	6-Mar-94	5.3	<.5	7	8.7	<.5	5.8	<.5	1.6	100	<.5	1.3	6	4.2	<.5	680	0.73	<.5	6.6	15.2	<5	0.96			<.5	<5			
MW-9	15-Apr-94	5.6	<.5	<.5	12.4	14.1	4.9	0.7	2.4	96.8	<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	7.6	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	8	<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	278	<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	15	<10	<5	6	<5	93	<5	<5	<5	<5	<10	<20	<5	<10	6	<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	8	<100	<10	<5	<5	<5	<100	<10		<15
MW-9	14-Apr-04	5.9	<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	26.5	13.2		<5	<100	<20		<15
MW-9	21-Apr-05	<5	<5	<5	<5	<10	<5	<5	5.2	69.6	<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	29.5	<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-10	6-Mar-94	2.4	<.5	16	9.8	<.5	2.5	<.5	<.5	37	<.5	2.4	<.5	12	<.5	72	<.5	<.5	4.6	26.7	<5	<.5			<.5	<5			
MW-10	15-Apr-94	1.8	2.6	<.5	8	18.1	1.6	<.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	2.6	<.5	6.8	15.8	1.7	<.5	<1	23	<1	1.8	<1	16.3	<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	15	<.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	56.3	<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	84	<5	<5	<5	<5	<5	223	<5	13	13	14	<100	<10	18	<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	48	<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	3	<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	16	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	26	<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	16	<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	16	<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

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	0.015	1400		100	4200		35/3.5*	0.005
MW-10d	8-Jun-01	<5	<5	<5	<5	<10	<5	<5	<5	12	<5	<5	<5	<5	<10	16	<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-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	6.9	<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	8.6	<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	6	<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	6-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
MW-22	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-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
MW-23	9-Jun-97	<5	<5	6.4	9.1	40	<5	7.6	<5	86	<5	<5	16	<5	<10	100	<5	<10	9.3	13	<100	<10	<5	<5	<5	<100	<20		
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	68	<5	<5	<5	<5	<10	40	<5	<10	5.6	<5	<100	<10	<5	<5	<5	<100	<5		
MW-23	5-May-98	<5	<5	<5	<5	<10	<5	<5	<5	6.9	<5	<5	<5	<5	<10	10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
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			
MW-23	16-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	
MW-23	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-23 (dup)	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-23	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-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
MW-23	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
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
MW-23	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
MW-23	6-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-23	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-23 (dup)	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-23	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-23	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-23	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-23	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-23	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-23	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-23	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-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		
MW-23d	16-Apr-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	<10	<10	
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
MW-23d	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-23d	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
MW-23d	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-23d	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
MW-23d	6-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
MW-23d	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-23d	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-23d	19-Nov-04	<5	<5	<5	<5	<10	6.4	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-23d	21-Apr-05	<5	<5	<5	<5	<10	6.9	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-23d	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-23d	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-23d	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

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	0.015	1400		100	4200		35/3.5[a]	0.005
MW-24	9-Jun-97	<5	<5	<5	8.5	12	<5	5.1	<5	37	<5	<5	160	<5	<10	200	14	<10	<5	57	<100	<10	<5	<5	<5	<100	<20		
MW-24	18-Aug-97	<5	<5	<5	<5	<10	<5	<5	<5	68	<5	<5	400	<5	<10	380	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		
MW-24	1-Nov-97	<25	<25	<25	<25	<50	<25	<25	<25	56	<25	<25	260	<25	<50	340	25	<50	<25	98	<500	<50	<25	<25	<25	<500	<5		
MW-24 (dup)	1-Nov-97	<25	<25	<25	<25	<50	<25	<25	<25	68	<25	<25	340	<25	<50	370	33	<50	<25	131	<500	<50	<25	<25	<25	<500	<5		
MW-24	5-May-98	<25	<25	<25	<25	<50	<25	<25	<25	42	<25	<25	230	<25	<50	240	28	<50	<25	112	<500	<50	<25	<25	<25	<500	<5		
MW-24	8-Dec-98	12	<12	<12	15	30	<12	26	<12	85	<12	<12	140	<12	<25	280	23	<25	<12	93	<250	<25	<12	<12	<12	<250	7.7		
MW-24	16-Apr-99	<10	<10	<10	<10	19	<10	<10	<10	55	<10	<10	46	<10	<10	170	13	<10	<10	60	<500	<10	<10	<10	<10	<500	<10	<10	
MW-24	2-Dec-99	<5	<5	<5	<5	<10	<5	<5	<5	25	<5	<5	<5	<5	<10	43	<5	<5	<5	21	<100	<10	<20	<5	<5	<100	11		
MW-24	12-Apr-00	<5	<5	<5	7	<10	<5	5	<5	42	<5	<5	<5	<5	<10	39	<5	<5	7	33	<100	<10	<20	<5	<5	<100	<10		<15
MW-24	20-Dec-00	<5	<5	<5	7	<10	<5	5	<5	44	<5	<5	<5	<5	<10	29	<5	<5	8	21	<100	<10	<5	<5	<5	<100	<10		<15
MW-24	16-Apr-01	<5	<5	<5	<5	<10	<5	5	<5	34	<5	<5	<5	<5	<10	18	<5	<5	6	12	<100	<10	<5	<5	<5	<100	<10		<15
MW-24 (dup)	16-Apr-01	<5	<5	<5	<5	<10	<5	5	<5	34	<5	<5	<5	<5	<10	20	<5	<5	6	12	<100	<10	<5	<5	<5	<100	<10		<15
MW-24	3-Dec-01	<5	<5	<5	<5	<10	<5	5	<5	33	<5	<5	<5	<5	<10	12	<5	<5	8	10	<100	<10	<5	<5	<5	<100	<10		<15
MW-24	12-Apr-02	<5	<5	<5	<5	<10	<5	<5	<5	27	<5	<5	<5	<5	<10	<10	<5	<5	6	8	<100	<10	<5	<5	<5	<100	<10		<15
MW-24	5-Nov-02	<5	<5	<5	<5	<10	<5	<5	<5	21	<5	<5	<5	<5	<10	<10	<5	<5	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-24	17-Apr-03	<5	<5	<5	<5	<10	<5	<5	<5	19	<5	<5	<5	<5	<10	<10	<5	<5	<5	<5	<100	<10	<5	<5	<5	<100	30		<15
MW-24	4-Nov-03	<5	<5	<5	<5	<10	<5	<5	<5	9	<5	<5	<5	<5	<10	<10	<5	<5	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-24	14-Apr-04	<5	<5	<5	<5	<10	<5	<5	<5	6.5	<5	<5	<5	<5	<10	<10	<5	<5	<5	<4	<100	<10	<5	<5	<5	<100	<10		<15
MW-24	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	<20		<15
MW-24	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-24	11-Nov-05	<5	<5	<5	<5	<10	7	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-24	14-Apr-06	<5	<5	<5	<5	<10	8.5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-24	9-Nov-06	<5	<5	<5	<5	<10	9.8	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-27	4-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	7.5		
MW-27	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	6.4		
MW-27	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	20	NS	
MW-27	3-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-27	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-27	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		<15
MW-27	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-27	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-27	22-Apr-05	<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-27	26-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-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
MW-28	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-28	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-28	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-28	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		
MW-28	9-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	12		
MW-28	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		
MW-28	9-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-28	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	
MW-28	3-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-28	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-28	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		<15
MW-28	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-28	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-28	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-28	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-28	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-28d	1-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-28d	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-28d	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-28d	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		
MW-28d	9-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	20		
MW-28d	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		
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		
MW-28d	9-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-28d	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	NS		
MW-28d	3-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	94		
MW-28d	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	46		<15
MW-28d	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		<15
MW-28d	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	36		<15
MW-28d	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-28d	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	28.3		<15
MW-28d	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-28d	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-29	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-29	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		

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	0.015	1400		100	4200		35/3.5[a]	0.005
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		
MW-29d	9-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	37		
MW-29d	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		
MW-29d	9-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-29d	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	
MW-29d	3-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-29d	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-29d	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-29d	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		<15
MW-29d	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-29d	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
MW-29d	6-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-29d	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
MW-29d	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-29d	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-29d	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-29d	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-29d	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-29d	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-29d	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-30	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-30	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-30	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-30	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		
MW-30	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-30	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		
MW-30	9-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-30	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	
MW-30	3-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-30	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-30	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-30	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		<15
MW-30	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-30	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
MW-30	6-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-30	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-30	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-30	28-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-30	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	27.7		<15
MW-30	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-30	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-30	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-30	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-31	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-31	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-31	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-31	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		
MW-31	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	<5.1		
MW-31	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-31	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-31	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	
MW-31	3-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-31	13-Apr-00	<5	<5	<5	<5	<10	**13**	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-31	19-Dec-00	<5	<5	<5	<5	<10	**25**	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-31	17-Apr-01	<5	<5	<5	<5	<10	**21**	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-31	6-Dec-01	<5	<5	<5	<5	<10	**54**	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-31	11-Apr-02	<5	<5	<5	<5	<10	**37**	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-31	6-Nov-02	<5	<5	<5	<5	<10	**43**	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-31	18-Apr-03	<5	<5	<5	<5	<10	**32**	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-31	5-Nov-03	<5	<5	<5	<5	<10	**48**	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-31	28-Apr-04	<5	<5	<5	<5	<10	**32.5**	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<8	<100	<10	<5	<5	<5	<100	<10		<15
MW-31	19-Nov-04	<5	<5	<5	<5	<10	**26.5**	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-31	21-Apr-05	<5	<5	<5	<5	<10	**27.2**	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-31	11-Nov-05	<5	<5	<5	<5	<10	38.2	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-31	14-Apr-06	<5	<5	<5	<5	<10	36.6	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-31	9-Nov-06	<5	<5	<5	<5	<10	26.2	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15

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	0.015	1400		100	4200		35/3.5[a]	0.005
MW-31d	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-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		
MW-31d	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-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		
MW-31d	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	10		
MW-31d	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-31d	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-31d	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	
MW-31d	3-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	41		
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
MW-31d	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-31d	18-Apr-01	<5	<5	<5	<5	<10	7	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-31d	6-Dec-01	<5	<5	<5	<5	<10	14	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-31d	11-Apr-02	<5	<5	<5	<5	<10	23	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-31d	6-Nov-02	<5	<5	<5	<5	<10	31	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-31d	18-Apr-03	<5	<5	<5	<5	<10	26	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-31d	5-Nov-03	<5	<5	<5	<5	<10	34	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<10		<15
MW-31d	28-Apr-04	<5	<5	<5	<5	<10	38.3	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<4	<100	<10	<5	<5	<5	<100	<10		<15
MW-31d	19-Nov-04	<5	<5	<5	<5	<10	23.8	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-31d	21-Apr-05	<5	<5	<5	<5	<10	31.9	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
MW-31d	11-Nov-05	<5	<5	<5	<5	<10	34	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
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
MW-31d	9-Nov-06	<5	<5	<5	<5	<10	37.7	<5	<5	<5	<5	<5	<5	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5		<5	<100	<20		<15
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	6-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	
MW-32	3-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-32	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
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
MW-32	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-32	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
MW-32	6-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-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
MW-32	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	11		<15
MW-32	28-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-32	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-32	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-32	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-32	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-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
TB-1a	1-May-98	<5	<5	6.9	<5	<10	<5	<5	<5	5.3	<5	<5	6.9	<5	<10	<10	<5	<10	<5	<5	<100	<10	<5	<5	<5	<100	<5		
TB-1a	18-Aug-98	<5	<5	9.8	7.6	20	<5	<5	<5	39	<5	<5	<5	<5	<10	22	<5	<10	7.5	23	<100	<10	<5	<5	<5	<100	NS		
TB-1a	9-Sep-98	<5	<5	11	7.9	21	<5	<5	<5	40	<5	<5	<5	<5	<10	22	<5	<10	7.7	20	<100	<10	<5	<5	<5	<100	NS		
TB-1a	7-Oct-98	<5	<5	11	7.1	17	<5	<5	<5	35	<5	<5	<5	<5	<10	16	<5	<10	8.2	13	<100	<10	<5	<5	<5	<100	NS		
TB-1a (dup)	7-Oct-98	<5	<5	11	7.2	17	<5	<5	<5	33	<5	<5	<5	<5	<10	16	<5	<10	8.3	17	<100	<10	<5	<5	<5	<100	NS		
TB-1a	9-Dec-98	<5	<5	8.2	<5	14	<5	<5	<5	23	<5	<5	<5	<5	<10	<10	<5	<10	5.3	11	<100	<10	<5	<5	<5	<100	<5.2		
TB-1a	11-Jan-99	<5	<5	11	5.0	16	<5	<5	<5	21	<5	<5	<5	<5	<10	<10	<5	<10	6.0	6	<100	<10	<5	<5	<5	<100	NS		
TB-1a	8-Feb-99	<5	<5	10	<5	15	<5	<5	<5	18	<5	<5	<5	<5	<10	<10	<5	<10	7.0	8	<100	<10	<5	<5	<5	<100	NS		
TB-1a	19-Apr-99	<5	<5	10	<5	10	<5	<5	<5	14	<5	<5	<5	<5	<10	<10	<5	<10	5.0	5	<100	<10	<5	<5	<5	<100	<10	<10	
TB-1a	3-Dec-99	<5	<5	10	<5	11	<5	<5	<5	19	<5	<5	<5	<5	<10	<10	<5	<10	6.0	9	<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	5-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	6.0	<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	18.6	<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 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	6-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

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	0.015	1400		100	4200		35/3.5[a]	0.005
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	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-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-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	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-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-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	6.8	<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-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	<5	<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	<4	<100	<10	<5	<5	<5	<100	<10	NS	<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		<5	<100	<20		<15

All units are in micrograms per liter (parts per billion).
* - Estimated Value
[a]- 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

Table 5a
Appendix II Volatile Organics Detections - November 2006
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
MW-5	Cis-1,2-Dichloroethene	--	--	6.00	--	8.60
	1,4-Dichlorobenzene**	--	--	9.20	--	5.60
MW-6	none					
MW-6D	none					
MW-7	Cis-1,2-Dichloroethene	16.40	26.00	12.20	19.30	27.20
MW-8	none					
MW-8D	none					
MW-9	Vinyl Chloride	26.50	29.60	28.80	29.50	23.00
	1,1-Dichloroethane	73.70	69.60	63.10	47.60	39.90
	Cis-1,2-Dichloroethene	6.40	--	--	--	5.90
	Toluene	6.60	--	--	--	--
	1,4-Dichlorobenzene**	5.20	5.20	6.70	6.90	5.80
	Dichlorodifluoromethane	13.20	9.50	8.30	--	--
MW-10	Cis-1,2-Dichloroethene	6.40	9.90	17.60	11.90	27.70
	1,1-Dichloroethane	--	--	5.70	--	7.80
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
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
MW-31D	Chloroform	23.80	31.90	34.00	33.10	37.70
MW-32	none					
MW-33	none	NS		NS		NS
MW-34	1-1-Dichloroethane	NS		NS	12.70	NS
	Cis-1,2-Dichloroethene	NS		NS	6.90	NS
MW-34D	1,1-Dichloroethane	NS	5.70	NS		NS
MW-35	none	NS		NS		NS
TB-1A	Bromodichloromethane	--	--	5.10	--	--
	Chloroform	17.30	18.80	24.30	18.60	25.50
TB-1AD	Chloroform	17.90	25.60	30.60	29.10	35.60
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 - November 2006
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
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	--	--	--	--
MW-10D	Bis-(2-Ethylhexyl) Phthalate	43.00	--	--	--	--
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
MW-28	none	NS		NS		NS
MW-28D	none	NS		NS		NS
MW-29D	none					
MW-30	Bis-(2-Ethylhexyl) Phthalate	27.70	--	--	--	--
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)
-- Below detection limits
NS - Not Sampled

Table 5c
Appendix II Pesticides, Herbicides and PCB'S Detections
Unlined Landfill - North Wake
November 2006

Monitoring Well Number	Detected Constituent	Recorded Concentration*				
		Nov 18, 2004	April 21, 2005	Nov 11, 2005	April 14, 2006	Nov 9, 2006
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
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-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-6D	4/21/2005															
MW-6D	11/11/2005															
MW-6D	4/14/2006															
MW-6D	11/9/2006															
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-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-8D	4/21/2005															
MW-8D	11/11/2005															
MW-8D	4/14/2006															
MW-8D	11/9/2006															
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-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-10D	4/21/2005															
MW-10D	11/11/2005															
MW-10D	4/14/2006															
MW-10D	11/9/2006															
MW-11*	4/21/2005															
MW-11*	11/11/2005															
MW-11*	4/14/2006															
MW-11*	11/9/2006															
MW-11D*	4/21/2005															
MW-11D*	11/11/2005															
MW-11D*	4/14/2006															
MW-11D*	11/9/2006															

*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-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-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-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-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-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-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-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-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-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-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-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		

*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-32	4/21/2005															
MW-32	11/11/2005															
MW-32	4/14/2006															
MW-32	11/9/2006															
MW-33	4/21/2005							x								
MW-33	11/11/2005		x					x								
MW-33	4/14/2006															
MW-33	11/9/2006															
MW-34	4/21/2005							x								
MW-34	11/11/2005		x					x								
MW-34	4/14/2006															
MW-34	11/9/2006															
MW-34D	4/21/2005							x								
MW-34D	11/11/2005		x					x								
MW-34D	4/14/2006															
MW-34D	11/9/2006															
MW-35	4/21/2005							x								
MW-35	11/11/2005		x					x		x						
MW-35	4/14/2006															
MW-35	11/9/2006															
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-1AD	4/21/2005															
TB-1AD	11/11/2005															
TB-1AD	4/14/2006															
TB-1AD	11/9/2006															
SW-2	4/21/2005															
SW-2	11/11/2005															
SW-2	4/14/2006															
SW-2	11/9/2006															
SW-3	4/21/2005															
SW-3	11/11/2005															
SW-3	4/14/2006															
SW-3	11/9/2006															

*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) Phthalate	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-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							
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-6D	4/21/2005																												
MW-6D	11/11/2005																												
MW-6D	4/14/2006																												
MW-6D	11/9/2006																												
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-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									

*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
MW-8D	4/21/2005																												
MW-8D	11/11/2005																												
MW-8D	4/14/2006																												
MW-8D	11/9/2006																												
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-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-10D	4/21/2005																												
MW-10D	11/11/2005																												
MW-10D	4/14/2006																												
MW-10D	11/9/2006																												
MW-11*	4/21/2005																												
MW-11*	11/11/2005																												
MW-11*	4/14/2006																												
MW-11*	11/9/2006																												
MW-11D*	4/21/2005																												
MW-11D*	11/11/2005																												
MW-11D*	4/14/2006																												
MW-11D*	11/9/2006																												

*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
MW-22	4/21/2005																												
MW-22	11/11/2005																												
MW-22	4/14/2006																												
MW-22	11/9/2006																												
MW-23	4/21/2005																												
MW-23	11/11/2005																												
MW-23	4/14/2006																												
MW-23	11/9/2006																												
MW-23D	4/21/2005																												
MW-23D	11/11/2005																												
MW-23D	4/14/2006																												
MW-23D	11/9/2006																												
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-27	4/21/2005																												
MW-27	11/11/2005																												
MW-27	4/14/2006																												
MW-27	11/9/2006																												
MW-28	4/21/2005																												
MW-28	11/11/2005																												
MW-28	4/14/2006																												
MW-28	11/9/2006																												

*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
MW-28D	4/21/2005																												
MW-28D	11/11/2005																												
MW-28D	4/14/2006																												
MW-28D	11/9/2006																												
MW-29D	4/21/2005																												
MW-29D	11/11/2005																												
MW-29D	4/14/2006																												
MW-29D	11/9/2006																												
MW-30	4/21/2005																												
MW-30	11/11/2005																												
MW-30	4/14/2006																												
MW-30	11/9/2006																												
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-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-32	4/21/2005																												
MW-32	11/11/2005																												
MW-32	4/14/2006																												
MW-32	11/9/2006																												

*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
MW-33	4/21/2005																												
MW-33	11/11/2005																												
MW-33	4/14/2006																												
MW-33	11/9/2006																												
MW-34	4/21/2005																												
MW-34	11/11/2005																												
MW-34	4/14/2006																												
MW-34	11/9/2006																												
MW-34D	4/21/2005																												
MW-34D	11/11/2005																												
MW-34D	4/14/2006																												
MW-34D	11/9/2006																												
MW-35	4/21/2005																												
MW-35	11/11/2005																												
MW-35	4/14/2006																												
MW-35	11/9/2006																												
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-1AD	4/21/2005				x		x																						
TB-1AD	11/11/2005						x																						
TB-1AD	4/14/2006						x																						
TB-1AD	11/9/2006***						x																						

*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 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
SW-2	4/21/2005																												
SW-2	11/11/2005																												
SW-2	4/14/2006																												
SW-2	11/9/2006																												
SW-3	4/21/2005																												
SW-3	11/11/2005																												
SW-3	4/14/2006																												
SW-3	11/9/2006																												

*Upgradient well
**This well was only sampled once on April 24, 2004.
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-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-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-6D	4/21/2005								
MW-6D	11/11/2005								
MW-6D	4/14/2006								
MW-6D	11/9/2006								
MW-7	4/21/2005								
MW-7	11/11/2005								
MW-7	4/14/2006								
MW-7	11/9/2006								
MW-8	4/21/2005		x						
MW-8	11/11/2005								
MW-8	4/14/2006								
MW-8	11/9/2006								
MW-8D	4/21/2005								
MW-8D	11/11/2005								
MW-8D	4/14/2006								
MW-8D	11/9/2006								
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-10	4/21/2005								
MW-10	11/11/2005								
MW-10	4/14/2006								
MW-10	11/9/2006								
MW-10D	4/21/2005						x		
MW-10D	11/11/2005								
MW-10D	4/14/2006								
MW-10D	11/9/2006								
MW-11*	4/21/2005								
MW-11*	11/11/2005								
MW-11*	4/14/2006								
MW-11*	11/9/2006								

*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-22	4/21/2005								
MW-22	11/11/2005								
MW-22	4/14/2006								
MW-22	11/9/2006								
MW-23	4/21/2005								
MW-23	11/11/2005								
MW-23	4/14/2006								
MW-23	11/9/2006								
MW-23D	4/21/2005								
MW-23D	11/11/2005								
MW-23D	4/14/2006								
MW-23D	11/9/2006								
MW-24	4/21/2005								
MW-24	11/11/2005								
MW-24	4/14/2006								
MW-24	11/9/2006								
MW-27	4/21/2005								
MW-27	11/11/2005								
MW-27	4/14/2006								
MW-27	11/9/2006								
MW-28	4/21/2005								
MW-28	11/11/2005								
MW-28	4/14/2006								
MW-28	11/9/2006								
MW-28D	4/21/2005								
MW-28D	11/11/2005								
MW-28D	4/14/2006								
MW-28D	11/9/2006								
MW-29D	4/21/2005								
MW-29D	11/11/2005								
MW-29D	4/14/2006								
MW-29D	11/9/2006								
MW-30	4/21/2005								
MW-30	11/11/2005								
MW-30	4/14/2006								
MW-30	11/9/2006								

*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-31D	4/21/2005								
MW-31D	11/11/2005								
MW-31D	4/14/2006								
MW-31D	11/9/2006								
MW-32	4/21/2005								
MW-32	11/11/2005								
MW-32	4/14/2006								
MW-32	11/9/2006								
MW-33	4/21/2005								
MW-33	11/11/2005								
MW-33	4/14/2006								
MW-33	11/9/2006								
MW-34	4/21/2005								
MW-34	11/11/2005								
MW-34	4/14/2006								
MW-34	11/9/2006								
MW-34D	4/21/2005								
MW-34D	11/11/2005								
MW-34D	4/14/2006								
MW-34D	11/9/2006								
MW-35	4/21/2005								
MW-35	11/11/2005								
MW-35	4/14/2006								
MW-35	11/9/2006								
TB-1A	4/21/2005								
TB-1A	11/11/2005								
TB-1A	4/14/2006			x					
TB-1A	11/9/2006								
TB-1AD	4/21/2005								
TB-1AD	11/11/2005								
TB-1AD	4/14/2006								
TB-1AD	11/9/2006								
SW-2	4/21/2005								
SW-2	11/11/2005								
SW-2	4/14/2006								
SW-2	11/9/2006								
SW-3	4/21/2005								
SW-3	11/11/2005								
SW-3	4/14/2006								
SW-3	11/9/2006								

*Upgradient well
x - indicates statistically significant constituent

Environment 1, Incorporated

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

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

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6062

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

DATE COLLECTED: 11/09/06
DATE REPORTED : 12/28/06

REVIEWED BY:

PARAMETERS	MW-5	MW-6	MW-6D	MW-7	MW-8	Analysis Date	Analyst	Method Code
PH (field measurement), Units	6.2	5.8	6.0	5.9	5.8	11/09/06	RJH	EPA150.1
Total Cyanide, mg/l	<0.050	<0.050	<0.050	<0.050	<0.050	11/15/06	SEJ	SM4500 CN-E
Antimony, mg/l	<0.030	<0.030	<0.030	<0.030	<0.030	11/16/06	CMF	EPA200.8
Arsenic, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	11/16/06	CMF	EPA200.8
Barium, mg/l	<0.500	<0.500	<0.500	<0.500	<0.500	11/16/06	CMF	EPA200.8
Beryllium, mg/l	<0.002	<0.002	<0.002	<0.002	0.002	11/16/06	CMF	EPA200.8
Cadmium, mg/l	<0.001	<0.001	<0.001	0.002	<0.001	11/16/06	CMF	EPA200.8
Cobalt, mg/l	0.023	0.065	<0.010	0.029	<0.010	11/16/06	CMF	EPA200.8
Copper, mg/l	<0.200	<0.200	<0.200	<0.200	<0.200	11/16/06	CMF	EPA200.8
Total Chromium, mg/l	<0.010	<0.010	<0.010	0.036	0.034	11/16/06	CMF	EPA200.8
Lead, mg/l	<0.010	<0.010	<0.010	<0.010	0.011	11/16/06	CMF	EPA200.8
Mercury, mg/l	<0.0005		<0.0005		<0.0005	11/16/06	CMF	EPA200.8
Mercury, mg/l		<0.0005		0.00063		12/01/06	ADD	EPA245.1
Nickel, mg/l	<0.050	<0.050	<0.050	<0.050	<0.050	11/16/06	CMF	EPA200.8
Selenium, mg/l	<0.020	<0.020	<0.020	<0.020	<0.020	11/16/06	CMF	EPA200.8
Silver, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	11/16/06	CMF	EPA200.8
Thallium, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	11/16/06	CMF	EPA200.8
Tin, mg/l	<0.100	<0.100	<0.100	<0.100	<0.100	11/16/06	CMF	EPA200.8
Vanadium, mg/l	<0.040	<0.040	<0.040	<0.040	<0.040	11/16/06	CMF	EPA200.8
Zinc, mg/l	<0.050	<0.050	<0.050	0.056	0.099	11/16/06	CMF	EPA200.8
Sulfide, mg/l	<1	<1	<1	<1	<1	11/10/06	LFJ	SM4500-S2D
Conductivity (at 25c), uMhos	780	133	132	645	148	11/09/06	RJH	SM2510B
Temperature, °C	19	19	19	20	18	11/09/06	RJH	SM2550B
Static Water Level, feet	23.40	12.30	12.60	11.66	10.58	11/09/06	RJH	
Well Depth, feet	28.41	22.26	62.50	21.67	19.83	11/09/06	RJH	

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: SSR
DATE COLLECTED: 11/09/06
DATE EXTRACTED: 11/13/06
DATE ANALYZED: 11/17/06
DATE REPORTED: 12/28/06

PESTICIDES AND PCB'S
EPA METHOD 8081A

PARAMETERS, ug/l	MW-5	MW-6	MW-6D	MW-7	MW-8
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	<0.10	<0.10	<0.10	<0.10	<0.10
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	<0.10	<0.10	<0.10	<0.10	<0.10
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	<2.00	<2.00	<2.00	<2.00	<2.00

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/09/06
DATE EXTRACTED: 11/16/06
DATE ANALYZED: 11/19/06
DATE REPORTED: 12/28/06

LANDFILL APPENDIX II
EPA METHOD 8151A

PARAMETERS, ug/l	MW-5	MW-6	MW-6D	MW-7	MW-8
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

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/09/06
DATE EXTRACTED: 11/14/06
DATE ANALYZED: 11/29/06
DATE REPORTED: 12/28/06

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MW-5	MW-6	MW-6D	MW-7	MW-8
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	<20.00	<20.00	<20.00	<20.00	<20.00
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. 4-Chloro-3-Methylphenol	<20.00	<20.00	<20.00	<20.00	<20.00
38. 2-Chlorophenol	<10.00	<10.00	<10.00	<10.00	<10.00
39. O-Cresol	<10.00	<10.00	<10.00	<10.00	<10.00
40. P-Cresol	<10.00	<10.00	<10.00	<10.00	<10.00
41. 2,4-Dichlorophenol	<10.00	<10.00	<10.00	<10.00	<10.00
42. 2,6-Dichlorophenol	<10.00	<10.00	<10.00	<10.00	<10.00
43. 2,4-Dimethylphenol	<10.00	<10.00	<10.00	<10.00	<10.00
44. 4,6-Dinitro-2-Methylphenol	<50.00	<50.00	<50.00	<50.00	<50.00
45. 2,4-Dinitrophenol	<50.00	<50.00	<50.00	<50.00	<50.00
46. Ethyl Methanesulfonate	<10.00	<10.00	<10.00	<10.00	<10.00
47. Methyl Methanesulfonate	<10.00	<10.00	<10.00	<10.00	<10.00
48. 2-Nitrophenol	<10.00	<10.00	<10.00	<10.00	<10.00

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/09/06
DATE EXTRACTED: 11/14/06
DATE ANALYZED: 11/29/06
DATE REPORTED: 12/28/06

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MW-5	MW-6	MW-6D	MW-7	MW-8
49. 4-Nitrophenol	<50.00	<50.00	<50.00	<50.00	<50.00
50. Pentachlorophenol	<50.00	<50.00	<50.00	<50.00	<50.00
51. Phenol	<10.00	<10.00	<10.00	<10.00	<10.00
52. 2,3,4,6-Tetrachlorophenol	<10.00	<10.00	<10.00	<10.00	<10.00
53. 2,4,5-Trichlorophenol	<10.00	<10.00	<10.00	<10.00	<10.00
54. 2,4,6-Trichlorophenol	<10.00	<10.00	<10.00	<10.00	<10.00
55. Acetophenone	<10.00	<10.00	<10.00	<10.00	<10.00
56. 2-Acetylaminofluorene	<20.00	<20.00	<20.00	<20.00	<20.00
57. 4-Aminobiphenyl	<20.00	<20.00	<20.00	<20.00	<20.00
58. Benzyl Alcohol	<20.00	<20.00	<20.00	<20.00	<20.00
59. 4-Chloroaniline	<20.00	<20.00	<20.00	<20.00	<20.00
60. Chlorobenzilate	<10.00	<10.00	<10.00	<10.00	<10.00
61. Diallate	<10.00	<10.00	<10.00	<10.00	<10.00
62. Dibenzofuran	<10.00	<10.00	<10.00	<10.00	<10.00
63. 3,3-Dichlorobenzidine	<20.00	<20.00	<20.00	<20.00	<20.00
64. Dimethoate	<20.00	<20.00	<20.00	<20.00	<20.00
65. P-Dimethylaminoazobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
66. 7,12-Dimethylbenz[a]anthracene	<10.00	<10.00	<10.00	<10.00	<10.00
67. 3,3-Dimethylbenzadine	<10.00	<10.00	<10.00	<10.00	<10.00
68. 1,3-Dinitrobenzene	<20.00	<20.00	<20.00	<20.00	<20.00
69. Diphenylamine	<10.00	<10.00	<10.00	<10.00	<10.00
70. Disulfoton	<10.00	<10.00	<10.00	<10.00	<10.00
71. Famphur	<20.00	<20.00	<20.00	<20.00	<20.00
72. Hexachloropropene	<10.00	<10.00	<10.00	<10.00	<10.00
73. Isosafrole	<10.00	<10.00	<10.00	<10.00	<10.00
74. Kepone	<20.00	<20.00	<20.00	<20.00	<20.00
75. Methapyrilene	<100.00	<100.00	<100.00	<100.00	<100.00
76. 3-Methylchloroanthrene	<10.00	<10.00	<10.00	<10.00	<10.00
77. 2-Methylnaphthalene	<10.00	<10.00	<10.00	<10.00	<10.00
78. Methyl Parathion	<10.00	<10.00	<10.00	<10.00	<10.00
79. m-Cresol	<10.00	<10.00	<10.00	<10.00	<10.00
80. 1,4-Naphthoquinone	<10.00	<10.00	<10.00	<10.00	<10.00
81. 1-Naphthylamine	<10.00	<10.00	<10.00	<10.00	<10.00
82. 2-Naphthylamine	<10.00	<10.00	<10.00	<10.00	<10.00
83. 2-Nitroaniline	<50.00	<50.00	<50.00	<50.00	<50.00
84. 3-Nitroaniline	<50.00	<50.00	<50.00	<50.00	<50.00
85. 4-Nitroaniline	<20.00	<20.00	<20.00	<20.00	<20.00
86. 5-Nitro-O-Toluidine	<10.00	<10.00	<10.00	<10.00	<10.00
87. N-Nitrosodi-n-butylamine	<10.00	<10.00	<10.00	<10.00	<10.00
88. N-Nitrosodiethylamine	<20.00	<20.00	<20.00	<20.00	<20.00
89. N-Nitrosomethylethylamine	<10.00	<10.00	<10.00	<10.00	<10.00
90. N-Nitrosopiperidine	<20.00	<20.00	<20.00	<20.00	<20.00
91. N-Nitrosopyrrolidine	<40.00	<40.00	<40.00	<40.00	<40.00
92. Parathion	<10.00	<10.00	<10.00	<10.00	<10.00
93. Pentachlorobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
94. Pentachloronitrobenzene	<50.00	<50.00	<50.00	<50.00	<50.00
95. Phenacetin	<20.00	<20.00	<20.00	<20.00	<20.00
96. 1,4 Benzenediamine	<10.00	<10.00	<10.00	<10.00	<10.00

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/09/06
DATE EXTRACTED: 11/14/06
DATE ANALYZED: 11/29/06
DATE REPORTED: 12/28/06

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MW-5	MW-6	MW-6D	MW-7	MW-8
97. Phorate	<10.00	<10.00	<10.00	<10.00	<10.00
98. Pronamide	<10.00	<10.00	<10.00	<10.00	<10.00
99. Safrole	<10.00	<10.00	<10.00	<10.00	<10.00
100. 1,2,4,5-Tetrachlorobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
101. Thionazin	<20.00	<20.00	<20.00	<20.00	<20.00
102. O-Toluidine	<10.00	<10.00	<10.00	<10.00	<10.00
103. 1,3,5-Trinitrobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
104. 0,0,0-Triethyl Phosphorothioate	<10.00	<10.00	<10.00	<10.00	<10.00
105. Hexachloroethane	<10.00	<10.00	<10.00	<10.00	<10.00
106. Isodrin	<20.00	<20.00	<20.00	<20.00	<20.00

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/09/06
DATE REPORTED: 12/28/06

REVIEWED BY: _____

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l — Date Analyzed:	11/18/06 MW-5	11/18/06 MW-6	11/18/06 MW-6D	11/18/06 MW-7	11/18/06 MW-8
1. Chloromethane	<10.00	<10.00	<10.00	<10.00	<10.00
2. Vinyl Chloride	<10.00	<10.00	<10.00	<10.00	<10.00
3. Bromomethane	<10.00	<10.00	<10.00	<10.00	<10.00
4. Chloroethane	<10.00	<10.00	<10.00	<10.00	<10.00
5. Trichlorofluoromethane	<5.00	<5.00	<5.00	<5.00	<5.00
6. 1,1-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
7. Acetone	<100.00	<100.00	<100.00	<100.00	<100.00
8. Iodomethane	<10.00	<10.00	<10.00	<10.00	<10.00
9. Carbon Disulfide	<100.00	<100.00	<100.00	<100.00	<100.00
10. Methylene Chloride	<10.00	<10.00	<10.00	<10.00	<10.00
11. trans-1,2-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
12. 1,1-Dichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
13. Vinyl Acetate	<50.00	<50.00	<50.00	<50.00	<50.00
14. Cis-1,2-Dichloroethene	8.60	<5.00	<5.00	27.20	<5.00
15. 2-Butanone	<100.00	<100.00	<100.00	<100.00	<100.00
16. Bromochloromethane	<5.00	<5.00	<5.00	<5.00	<5.00
17. Chloroform	<5.00	<5.00	<5.00	<5.00	<5.00
18. 1,1,1-Trichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
19. Carbon Tetrachloride	<10.00	<10.00	<10.00	<10.00	<10.00
20. Benzene	<5.00	<5.00	<5.00	<5.00	<5.00
21. 1,2-Dichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
22. Trichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
23. 1,2-Dichloropropane	<5.00	<5.00	<5.00	<5.00	<5.00
24. Bromodichloromethane	<5.00	<5.00	<5.00	<5.00	<5.00
25. Cis-1,3-Dichloropropene	<10.00	<10.00	<10.00	<10.00	<10.00
26. 4-Methyl-2-Pentanone	<100.00	<100.00	<100.00	<100.00	<100.00
27. Toluene	<5.00	<5.00	<5.00	<5.00	<5.00
28. trans-1,3-Dichloropropene	<10.00	<10.00	<10.00	<10.00	<10.00
29. 1,1,2-Trichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
30. Tetrachloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
31. 2-Hexanone	<50.00	<50.00	<50.00	<50.00	<50.00
32. Dibromochloromethane	<5.00	<5.00	<5.00	<5.00	<5.00
33. 1,2-Dibromomethane	<5.00	<5.00	<5.00	<5.00	<5.00
34. Chlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
35. 1,1,1,2-Tetrachloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
36. Ethylbenzene	<5.00	<5.00	<5.00	<5.00	<5.00
37. Xylenes	<5.00	<5.00	<5.00	<5.00	<5.00
38. Dibromomethane	<10.00	<10.00	<10.00	<10.00	<10.00
39. Styrene	<10.00	<10.00	<10.00	<10.00	<10.00
40. Bromoform	<5.00	<5.00	<5.00	<5.00	<5.00
41. 1,1,2,2-Tetrachloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
42. 1,2,3-Trichloropropane	<15.00	<15.00	<15.00	<15.00	<15.00
43. 1,4-Dichlorobenzene	5.60	<5.00	<5.00	<5.00	<5.00
44. 1,2-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
45. 1,2-Dibromo-3-Chloropropane	<25.00	<25.00	<25.00	<25.00	<25.00
46. Acrylonitrile	<200.00	<200.00	<200.00	<200.00	<200.00
47. trans-1,4-Dichloro-2-Butene	<100.00	<100.00	<100.00	<100.00	<100.00

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/09/06
DATE REPORTED: 12/28/06

REVIEWED BY: _____

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l — Date Analyzed:	11/18/06 MW-5	11/18/06 MW-6	11/18/06 MW-6D	11/18/06 MW-7	11/18/06 MW-8
48. Acrolein	<100.00	<100.00	<100.00	<100.00	<100.00
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	<5.00	<5.00	<5.00	<5.00	<5.00
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. Hexachlorobutadine	<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	<100.00	<100.00	<100.00	<100.00	<100.00

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/09/06
DATE REPORTED: 12/28/06

REVIEWED BY: _____

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l — Date Analyzed:	11/21/06 Equipment Blank	11/21/06 Trip Blank
1. Chloromethane	<10.00	<10.00
2. Vinyl Chloride	<10.00	<10.00
3. Bromomethane	<10.00	<10.00
4. Chloroethane	<10.00	<10.00
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	<10.00	<10.00
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	<5.00	<5.00
17. Chloroform	<5.00	<5.00
18. 1,1,1-Trichloroethane	<5.00	<5.00
19. Carbon Tetrachloride	<10.00	<10.00
20. Benzene	<5.00	<5.00
21. 1,2-Dichloroethane	<5.00	<5.00
22. Trichloroethene	<5.00	<5.00
23. 1,2-Dichloropropane	<5.00	<5.00
24. Bromodichloromethane	<5.00	<5.00
25. Cis-1,3-Dichloropropene	<10.00	<10.00
26. 4-Methyl-2-Pentanone	<100.00	<100.00
27. Toluene	<5.00	<5.00
28. trans-1,3-Dichloropropene	<10.00	<10.00
29. 1,1,2-Trichloroethane	<5.00	<5.00
30. Tetrachloroethene	<5.00	<5.00
31. 2-Hexanone	<50.00	<50.00
32. Dibromochloromethane	<5.00	<5.00
33. 1,2-Dibromomethane	<5.00	<5.00
34. Chlorobenzene	<5.00	<5.00
35. 1,1,1,2-Tetrachloroethane	<5.00	<5.00
36. Ethylbenzene	<5.00	<5.00
37. Xylenes	<5.00	<5.00
38. Dibromomethane	<10.00	<10.00
39. Styrene	<10.00	<10.00
40. Bromoform	<5.00	<5.00
41. 1,1,2,2-Tetrachloroethane	<5.00	<5.00
42. 1,2,3-Trichloropropane	<15.00	<15.00
43. 1,4-Dichlorobenzene	<5.00	<5.00
44. 1,2-Dichlorobenzene	<5.00	<5.00
45. 1,2-Dibromo-3-Chloropropane	<25.00	<25.00
46. Acrylonitrile	<200.00	<200.00
47. trans-1,4-Dichloro-2-Butene	<100.00	<100.00

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/09/06
DATE REPORTED: 12/28/06

REVIEWED BY: _____

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	Date Analyzed: 11/21/06 Equipment Blank	11/21/06 Trip Blank
48. Acrolein	<100.00	<100.00
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	<5.00	<5.00
54. 2,2-Dichloropropane	<15.00	<15.00
55. 1,1-Dichloropropene	<5.00	<5.00
56. Ethyl Methacrylate	<10.00	<10.00
57. Hexachlorobutadine	<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	<100.00	<100.00

Environmental 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:** 48

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	Cyanide	Metals	Sulfide	Conductivity	Temperature	Field Parameter	EPA 8270C	EPA 8081A	8081A Duplicate	8260B App. II	8260 App. II 1	8260 App. II 2	8151A Landfill		
CHLORINE NEUTRALIZED AT COLLECTION																					
pH CHECK (LAB)							7	12	79							12	12	12			
CONTAINER TYPE, P/G						P	P	P	P	P	P		G	G	G	G	G	G	G		
CHEMICAL PRESERVATION						A	D	B	F D	A	A		A	A	A	E	E	E	A		
MW-5	11 09 06	1325		19	8	G	G	G	G	G	G	G	G	G	G	G	G		G		
MW-6	11 09 06	1415		19	9	G	G	G	G	G	G	G	G	G	G	G	G		G		
MW-6D	11 09 06	1400		19	9	G	G	G	G	G	G	G	G	G	G	G	G		G		
MW-7	11 09 06	1230		20	9	G	G	G	G	G	G	G	G	G	G	G	G		G		
MW-8	11 09 06	1145		18	9	G	G	G	G	G	G	G	G	G	G	G	G		G		
~~MW-8D~~					10																
Equipment Blank	11 09 06				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) H Bope / Fox

SAMPLES RECEIVED IN LAB AT 1.0 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob H Bope	11 09 06	Jennifer Fuller	11/10/06 8:00
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:
WELL 8D - WILL BE DONE 11.10.06

Instructions for completing this form are on the reverse side.

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

FORM #5

Environment 1, Incorporated

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

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

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6062

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

DATE COLLECTED: 11/10/06
DATE REPORTED : 12/28/06

REVIEWED BY:

PARAMETERS	MW-8D	Analysis Date	Analyst	Method Code
PH (field measurement), Units	6.2	11/10/06	RJH	EPA150.1
Total Cyanide, mg/l	<0.050	11/15/06	SEJ	SM4500 CN-E
Antimony, mg/l	<0.030	11/17/06	LFJ	EPA200.8
Arsenic, mg/l	<0.010	11/17/06	LFJ	EPA200.8
Barium, mg/l	<0.500	11/17/06	LFJ	EPA200.8
Beryllium, mg/l	<0.002	11/17/06	LFJ	EPA200.8
Cadmium, mg/l	<0.001	11/17/06	LFJ	EPA200.8
Cobalt, mg/l	<0.010	11/17/06	LFJ	EPA200.8
Copper, mg/l	<0.200	11/17/06	LFJ	EPA200.8
Total Chromium, mg/l	<0.010	11/17/06	LFJ	EPA200.8
Lead, mg/l	<0.010	11/17/06	LFJ	EPA200.8
Mercury, mg/l	<0.0005	11/17/06	LFJ	EPA200.8
Nickel, mg/l	<0.050	11/17/06	LFJ	EPA200.8
Selenium, mg/l	<0.020	11/17/06	LFJ	EPA200.8
Silver, mg/l	<0.010	11/17/06	LFJ	EPA200.8
Thallium, mg/l	<0.010	11/17/06	LFJ	EPA200.8
Tin, mg/l	<0.100	11/17/06	LFJ	EPA200.8
Vanadium, mg/l	<0.040	11/17/06	LFJ	EPA200.8
Zinc, mg/l	<0.050	11/17/06	LFJ	EPA200.8
Sulfide, mg/l	<1	11/10/06	LFJ	SM4500-S2D
Conductivity (at 25c), uMhos	187	11/10/06	RJH	SM2510B
Temperature, °C	16	11/10/06	RJH	SM2550B
Static Water Level, feet	11.81	11/10/06	RJH	
Well Depth, feet	44.59	11/10/06	RJH	

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: SSR
DATE COLLECTED: 11/10/06
DATE EXTRACTED: 11/13/06
DATE ANALYZED: 11/17/06
DATE REPORTED: 12/28/06

PESTICIDES AND PCB'S
EPA METHOD 8081A

PARAMETERS, ug/l	MW-8D
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	<0.10
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	<0.10
18. Methoxychlor	<1.00
19. Pcb's (Aroclors)	<2.00
20. Toxaphene	<2.00

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/10/06
DATE EXTRACTED: 11/16/06
DATE ANALYZED: 11/19/06
DATE REPORTED: 12/28/06

LANDFILL APPENDIX II
EPA METHOD 8151A

PARAMETERS, ug/l	MW-8D
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

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/10/06
DATE EXTRACTED: 11/14/06
DATE ANALYZED: 12/13/06
DATE REPORTED: 12/28/06

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MW-8D
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	<20.00
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. 4-Chloro-3-Methylphenol	<20.00
38. 2-Chlorophenol	<10.00
39. O-Cresol	<10.00
40. P-Cresol	<10.00
41. 2,4-Dichlorophenol	<10.00
42. 2,6-Dichlorophenol	<10.00
43. 2,4-Dimethylphenol	<10.00
44. 4,6-Dinitro-2-Methylphenol	<50.00
45. 2,4-Dinitrophenol	<50.00
46. Ethyl Methanesulfonate	<10.00
47. Methyl Methanesulfonate	<10.00
48. 2-Nitrophenol	<10.00

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/10/06
DATE EXTRACTED: 11/14/06
DATE ANALYZED: 12/13/06
DATE REPORTED: 12/28/06

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MW-8D
49. 4-Nitrophenol	<50.00
50. Pentachlorophenol	<50.00
51. Phenol	<10.00
52. 2,3,4,6-Tetrachlorophenol	<10.00
53. 2,4,5-Trichlorophenol	<10.00
54. 2,4,6-Trichlorophenol	<10.00
55. Acetophenone	<10.00
56. 2-Acetylaminofluorene	<20.00
57. 4-Aminobiphenyl	<20.00
58. Benzyl Alcohol	<20.00
59. 4-Chloroaniline	<20.00
60. Chlorobenzilate	<10.00
61. Diallate	<10.00
62. Dibenzofuran	<10.00
63. 3,3-Dichlorobenzidine	<20.00
64. Dimethoate	<20.00
65. P-Dimethylaminoazobenzene	<10.00
66. 7,12-Dimethylbenz[a]anthracene	<10.00
67. 3,3-Dimethylbenzadine	<10.00
68. 1,3-Dinitrobenzene	<20.00
69. Diphenylamine	<10.00
70. Disulfoton	<10.00
71. Famphur	<20.00
72. Hexachloropropene	<10.00
73. Isosafrole	<10.00
74. Kepone	<20.00
75. Methapyrilene	<100.00
76. 3-Methylchloroanthrene	<10.00
77. 2-Methylnaphthalene	<10.00
78. Methyl Parathion	<10.00
79. m-Cresol	<10.00
80. 1,4-Naphthoquinone	<10.00
81. 1-Naphthylamine	<10.00
82. 2-Naphthylamine	<10.00
83. 2-Nitroaniline	<50.00
84. 3-Nitroaniline	<50.00
85. 4-Nitroaniline	<20.00
86. 5-Nitro-O-Toluidine	<10.00
87. N-Nitrosodi-n-butylamine	<10.00
88. N-Nitrosodiethylamine	<20.00
89. N-Nitrosomethylethylamine	<10.00
90. N-Nitrosopiperidine	<20.00
91. N-Nitrosopyrrolidine	<40.00
92. Parathion	<10.00
93. Pentachlorobenzene	<10.00
94. Pentachloronitrobenzene	<50.00
95. Phenacetin	<20.00
96. 1,4 Benzenediamine	<10.00

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/10/06
DATE EXTRACTED: 11/14/06
DATE ANALYZED: 12/13/06
DATE REPORTED: 12/28/06

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MW-8D
97. Phorate	<10.00
98. Pronamide	<10.00
99. Safrole	<10.00
100. 1,2,4,5-Tetrachlorobenzene	<10.00
101. Thionazin	<20.00
102. O-Toluidine	<10.00
103. 1,3,5-Trinitrobenzene	<10.00
104. 0,0,0-Triethyl Phosphorothioate	<10.00
105. Hexachloroethane	<10.00
106. Isodrin	<20.00

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/10/06
DATE ANALYZED: 11/21/06
DATE REPORTED: 12/28/06

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

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

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/10/06
DATE ANALYZED: 11/21/06
DATE REPORTED: 12/28/06

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MW-8D
49. Allyl Chloride	<10.00
50. Chloroprene	<20.00
51. 1,3-Dichlorobenzene	<5.00
52. Dichlorodifluoromethane	<5.00
53. 1,3-Dichloropropane	<5.00
54. 2,2-Dichloropropane	<15.00
55. 1,1-Dichloropropene	<5.00
56. Ethyl Methacrylate	<10.00
57. Hexachlorobutadine	<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	<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 **Week:** 47

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	Cyanide	Metals	Sulfide	Conductivity	Temperature	Field Parameter	EPA 8270C	EPA 8081A	8081A Duplicate	8260B App. II	8260 App. II 1	8260 App. II 2	8151A Landfill		
CHLORINE NEUTRALIZED AT COLLECTION																					
pH CHECK (LAB)							12	12	12							12	12	12			
CONTAINER TYPE, P/G						P	P	P	P	P	P		G	G	G	G	G	G	G		
CHEMICAL PRESERVATION						A	D	B	F D	A	A		A	A	A	E	E	E	A		
~~MW-5~~					8																
~~MW-6~~					9																
~~MW-6D~~					9																
~~MW-7~~					9																
~~MW-8~~					9																
MW-8D	11/10/06	0745		16	10	G	G	G	G	G	G	G	G	G	G	G	G	G	G		
Equipment Blank	11/10/06				2											G			G		
Trip Blank					2																

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) [illegible]

SAMPLES RECEIVED IN LAB AT 1.0 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
[illegible]	11/10/06	[illegible]	11/10/06 4:00
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS: W.5
W.6
W.6D
W.7
W.8

ALL DONE 11.09.06

Instructions for completing this form are on the reverse side.

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

FORM #5

Environment 1, Incorporated

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

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

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6062 A

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

DATE COLLECTED: 11/10/06
DATE REPORTED : 12/28/06

REVIEWED BY:

PARAMETERS	MW-10D	MW-11S	MW-11D	MW-22	Analysis Date	Analyst	Method Code
PH (field measurement), Units	6.1	5.7	6.0	5.7	11/10/06	RJH	EPA150.1
Total Cyanide, mg/l	<0.050	<0.050	<0.050	<0.050	11/15/06	SEJ	SM4500 CN-E
Antimony, mg/l	<0.030	<0.030			11/17/06	LFJ	EPA200.8
Antimony, mg/l			<0.030	<0.030	11/22/06	LFJ	EPA200.8
Arsenic, mg/l	<0.010	<0.010			11/17/06	LFJ	EPA200.8
Arsenic, mg/l			<0.010	<0.010	11/22/06	LFJ	EPA200.8
Barium, mg/l	<0.500	<0.500			11/17/06	LFJ	EPA200.8
Barium, mg/l			<0.500	<0.500	11/22/06	LFJ	EPA200.8
Beryllium, mg/l	<0.002	<0.002			11/17/06	LFJ	EPA200.8
Beryllium, mg/l			<0.002	<0.002	11/22/06	LFJ	EPA200.8
Cadmium, mg/l	<0.001	<0.001			11/17/06	LFJ	EPA200.8
Cadmium, mg/l			<0.001	0.002	11/22/06	LFJ	EPA200.8
Cobalt, mg/l	<0.010	<0.010			11/17/06	LFJ	EPA200.8
Cobalt, mg/l			<0.010	0.015	11/22/06	LFJ	EPA200.8
Copper, mg/l	<0.200	<0.200			11/17/06	LFJ	EPA200.8
Copper, mg/l			<0.200	<0.200	12/28/06	LFJ	EPA200.8
Total Chromium, mg/l	<0.010	<0.010			11/17/06	LFJ	EPA200.8
Total Chromium, mg/l			<0.010	<0.010	11/22/06	LFJ	EPA200.8
Lead, mg/l	<0.010	<0.010			11/17/06	LFJ	EPA200.8
Lead, mg/l			<0.010	<0.010	11/22/06	LFJ	EPA200.8
Mercury, mg/l	<0.0005	<0.0005			11/17/06	LFJ	EPA200.8
Mercury, mg/l			<0.0005		12/28/06	LFJ	EPA200.8
Mercury, mg/l				<0.0005	12/01/06	ADD	EPA245.1
Nickel, mg/l	<0.050	<0.050			11/17/06	LFJ	EPA200.8
Nickel, mg/l			<0.050	<0.050	11/22/06	LFJ	EPA200.8
Selenium, mg/l	<0.020	<0.020			11/17/06	LFJ	EPA200.8
Selenium, mg/l			<0.020	<0.020	11/22/06	LFJ	EPA200.8
Silver, mg/l	<0.010	<0.010			11/17/06	LFJ	EPA200.8
Silver, mg/l			<0.010	<0.010	11/22/06	LFJ	EPA200.8
Thallium, mg/l	<0.010	<0.010			11/17/06	LFJ	EPA200.8
Thallium, mg/l			<0.010	<0.010	11/22/06	LFJ	EPA200.8
Tin, mg/l	<0.100	<0.100			11/17/06	LFJ	EPA200.8
Tin, mg/l			<0.100	<0.100	11/22/06	LFJ	EPA200.8

Environment 1, Incorporated

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

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

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6062 A

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

DATE COLLECTED: 11/10/06
DATE REPORTED : 12/28/06

REVIEWED BY:

PARAMETERS	MW-10D	MW-11S	MW-11D	MW-22	Analysis Date	Analyst	Method Code
Vanadium, mg/l	<0.040	<0.040			11/17/06	LFJ	EPA200.8
Vanadium, mg/l			<0.040	<0.040	11/22/06	LFJ	EPA200.8
Zinc, mg/l	<0.050	0.082			11/17/06	LFJ	EPA200.8
Zinc, mg/l			<0.050	<0.050	11/22/06	LFJ	EPA200.8
Sulfide, mg/l	<1	<1	<1	<1	11/10/06	LFJ	SM4500-S2D
Conductivity (at 25c), uMhos	176	90	106	150	11/10/06	RJH	SM2510B
Temperature, °C	16	18	18	17	11/10/06	RJH	SM2550B
Static Water Level, feet	45.55	43.75	43.95	34.16	11/10/06	RJH	
Well Depth, feet	95.10	54.25	68.26	38.54	11/10/06	RJH	

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: SSR
DATE COLLECTED: 11/10/06
DATE EXTRACTED: 11/13/06
DATE ANALYZED: 11/17/06
DATE REPORTED: 12/28/06

PESTICIDES AND PCB'S
EPA METHOD 8081A

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

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/10/06
DATE EXTRACTED: 11/16/06
DATE ANALYZED: 11/19/06
DATE REPORTED: 12/28/06

LANDFILL APPENDIX II
EPA METHOD 8151A

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

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/10/06
DATE EXTRACTED: 11/13/06
DATE ANALYZED: 12/14/06
DATE REPORTED: 12/28/06

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MW-10D	MW-11S	MW-11D	MW-22
1. Acenaphthene	<10.00	<10.00	<10.00	<10.00
2. Acenaphthylene	<10.00	<10.00	<10.00	<10.00
3. Anthracene	<10.00	<10.00	<10.00	<10.00
4. Benzo[a]antrhacene	<10.00	<10.00	<10.00	<10.00
5. Benzo[b]fluoranthene	<10.00	<10.00	<10.00	<10.00
6. Benzo[k]fluoranthene	<10.00	<10.00	<10.00	<10.00
7. Benzo[g,h,i]perylene	<10.00	<10.00	<10.00	<10.00
8. Benzo[a]pyrene	<10.00	<10.00	<10.00	<10.00
9. 4-Bromophenyl Phenyl Ether	<10.00	<10.00	<10.00	<10.00
10. Butyl Benzyl Phthalate	<10.00	<10.00	<10.00	<10.00
11. Bis-(2-Chloroethoxy) Methane	<10.00	<10.00	<10.00	<10.00
12. Bis-(2-Chloroethyl) Ether	<10.00	<10.00	<10.00	<10.00
13. Bis-(2-Chloroisopropyl) Ether	<10.00	<10.00	<10.00	<10.00
14. 2-Chloronaphthalene	<10.00	<10.00	<10.00	<10.00
15. 4-Chlorophenyl Phenyl Ether	<10.00	<10.00	<10.00	<10.00
16. Chrysene	<10.00	<10.00	<10.00	<10.00
17. Dibenzo[a,h]anthracene	<10.00	<10.00	<10.00	<10.00
18. Di-N-Butyl Phthalate	<10.00	<10.00	<10.00	<10.00
19. Dimethyl Phthalate	<10.00	<10.00	<10.00	<10.00
20. Diethyl Phthalate	<10.00	<10.00	<10.00	<10.00
21. 2,4-Dinitrotoluene	<10.00	<10.00	<10.00	<10.00
22. 2,6-Dinitrotoluene	<10.00	<10.00	<10.00	<10.00
23. Di-N-Octyl Phthalate	<10.00	<10.00	<10.00	<10.00
24. Bis-(2-Ethylhexyl) Phthalate	<20.00	<20.00	<20.00	<20.00
25. Fluoranthene	<10.00	<10.00	<10.00	<10.00
26. Fluorene	<10.00	<10.00	<10.00	<10.00
27. Hexachlorobenzene	<10.00	<10.00	<10.00	<10.00
28. Hexachlorocyclopentadiene	<10.00	<10.00	<10.00	<10.00
29. Indeno[1,2,3-Cd]pyrene	<10.00	<10.00	<10.00	<10.00
30. Isophorone	<10.00	<10.00	<10.00	<10.00
31. Nitrobenzene	<10.00	<10.00	<10.00	<10.00
32. N-Nitrosodimethylamine	<10.00	<10.00	<10.00	<10.00
33. N-Nitrosodiphenylamine	<10.00	<10.00	<10.00	<10.00
34. N-Nitrosodi-N-Propylamine	<10.00	<10.00	<10.00	<10.00
35. Phenanthrene	<10.00	<10.00	<10.00	<10.00
36. Pyrene	<10.00	<10.00	<10.00	<10.00
37. 4-Chloro-3-Methylphenol	<20.00	<20.00	<20.00	<20.00
38. 2-Chlorophenol	<10.00	<10.00	<10.00	<10.00
39. O-Cresol	<10.00	<10.00	<10.00	<10.00
40. P-Cresol	<10.00	<10.00	<10.00	<10.00
41. 2,4-Dichlorophenol	<10.00	<10.00	<10.00	<10.00
42. 2,6-Dichlorophenol	<10.00	<10.00	<10.00	<10.00
43. 2,4-Dimethylphenol	<10.00	<10.00	<10.00	<10.00
44. 4,6-Dinitro-2-Methylphenol	<50.00	<50.00	<50.00	<50.00
45. 2,4-Dinitrophenol	<50.00	<50.00	<50.00	<50.00
46. Ethyl Methanesulfonate	<10.00	<10.00	<10.00	<10.00
47. Methyl Methanesulfonate	<10.00	<10.00	<10.00	<10.00
48. 2-Nitrophenol	<10.00	<10.00	<10.00	<10.00

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/10/06
DATE EXTRACTED: 11/13/06
DATE ANALYZED: 12/14/06
DATE REPORTED: 12/28/06

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MW-10D	MW-11S	MW-11D	MW-22
49. 4-Nitrophenol	<50.00	<50.00	<50.00	<50.00
50. Pentachlorophenol	<50.00	<50.00	<50.00	<50.00
51. Phenol	<10.00	<10.00	<10.00	<10.00
52. 2,3,4,6-Tetrachlorophenol	<10.00	<10.00	<10.00	<10.00
53. 2,4,5-Trichlorophenol	<10.00	<10.00	<10.00	<10.00
54. 2,4,6-Trichlorophenol	<10.00	<10.00	<10.00	<10.00
55. Acetophenone	<10.00	<10.00	<10.00	<10.00
56. 2-Acetylaminofluorene	<20.00	<20.00	<20.00	<20.00
57. 4-Aminobiphenyl	<20.00	<20.00	<20.00	<20.00
58. Benzyl Alcohol	<20.00	<20.00	<20.00	<20.00
59. 4-Chloroaniline	<20.00	<20.00	<20.00	<20.00
60. Chlorobenzilate	<10.00	<10.00	<10.00	<10.00
61. Diallate	<10.00	<10.00	<10.00	<10.00
62. Dibenzofuran	<10.00	<10.00	<10.00	<10.00
63. 3,3-Dichlorobenzidine	<20.00	<20.00	<20.00	<20.00
64. Dimethoate	<20.00	<20.00	<20.00	<20.00
65. P-Dimethylaminoazobenzene	<10.00	<10.00	<10.00	<10.00
66. 7,12-Dimethylbenz[a]anthracene	<10.00	<10.00	<10.00	<10.00
67. 3,3-Dimethylbenzadine	<10.00	<10.00	<10.00	<10.00
68. 1,3-Dinitrobenzene	<20.00	<20.00	<20.00	<20.00
69. Diphenylamine	<10.00	<10.00	<10.00	<10.00
70. Disulfoton	<10.00	<10.00	<10.00	<10.00
71. Famphur	<20.00	<20.00	<20.00	<20.00
72. Hexachloropropene	<10.00	<10.00	<10.00	<10.00
73. Isosafrole	<10.00	<10.00	<10.00	<10.00
74. Kepone	<20.00	<20.00	<20.00	<20.00
75. Methapyrilene	<100.00	<100.00	<100.00	<100.00
76. 3-Methylchloroanthrene	<10.00	<10.00	<10.00	<10.00
77. 2-Methylnaphthalene	<10.00	<10.00	<10.00	<10.00
78. Methyl Parathion	<10.00	<10.00	<10.00	<10.00
79. m-Cresol	<10.00	<10.00	<10.00	<10.00
80. 1,4-Naphthoquinone	<10.00	<10.00	<10.00	<10.00
81. 1-Naphthylamine	<10.00	<10.00	<10.00	<10.00
82. 2-Naphthylamine	<10.00	<10.00	<10.00	<10.00
83. 2-Nitroaniline	<50.00	<50.00	<50.00	<50.00
84. 3-Nitroaniline	<50.00	<50.00	<50.00	<50.00
85. 4-Nitroaniline	<20.00	<20.00	<20.00	<20.00
86. 5-Nitro-O-Toluidine	<10.00	<10.00	<10.00	<10.00
87. N-Nitrosodi-n-butylamine	<10.00	<10.00	<10.00	<10.00
88. N-Nitrosodiethylamine	<20.00	<20.00	<20.00	<20.00
89. N-Nitrosomethylethylamine	<10.00	<10.00	<10.00	<10.00
90. N-Nitrosopiperidine	<20.00	<20.00	<20.00	<20.00
91. N-Nitrosopyrrolidine	<40.00	<40.00	<40.00	<40.00
92. Parathion	<10.00	<10.00	<10.00	<10.00
93. Pentachlorobenzene	<10.00	<10.00	<10.00	<10.00
94. Pentachloronitrobenzene	<50.00	<50.00	<50.00	<50.00
95. Phenacetin	<20.00	<20.00	<20.00	<20.00
96. 1,4 Benzenediamine	<10.00	<10.00	<10.00	<10.00

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/10/06
DATE EXTRACTED: 11/13/06
DATE ANALYZED: 12/14/06
DATE REPORTED: 12/28/06

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MW-10D	MW-11S	MW-11D	MW-22
97. Phorate	<10.00	<10.00	<10.00	<10.00
98. Pronamide	<10.00	<10.00	<10.00	<10.00
99. Safrole	<10.00	<10.00	<10.00	<10.00
100. 1,2,4,5-Tetrachlorobenzene	<10.00	<10.00	<10.00	<10.00
101. Thionazin	<20.00	<20.00	<20.00	<20.00
102. O-Toluidine	<10.00	<10.00	<10.00	<10.00
103. 1,3,5-Trinitrobenzene	<10.00	<10.00	<10.00	<10.00
104. 0,0,0-Triethyl Phosphorothioate	<10.00	<10.00	<10.00	<10.00
105. Hexachloroethane	<10.00	<10.00	<10.00	<10.00
106. Isodrin	<20.00	<20.00	<20.00	<20.00

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/10/06
DATE ANALYZED: 11/21/06
DATE REPORTED: 12/28/06

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

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

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/10/06
DATE ANALYZED: 11/21/06
DATE REPORTED: 12/28/06

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

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

Environment 1, Inc.
P.O. Box ~~7085, H~~4 Oakmont Dr.
Greenville, NC 27858

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

CHAIN OF CUSTODY RECORD

CLIENT: 6062 A **Week:** 48

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	Cyanide	Metals	Sulfide	Conductivity	Temperature	Field Parameter	EPA 8270C	EPA 8081A	8081A Duplicate	8260B App. II	8260 App. II 1	8260 App. II 2	8151A Landfill
							7.12	12	7.9							12	12	12	
						P	P	P	P	P	P		G	G	G	G	G	G	G
						A	D	B	F D	A	A		A	A	A	E	E	E	A
~~MW-9~~					9														
~~MW-10~~					9														
MW-10D	11/06	0950		16	9	G	G	G	G	G	G	G	G	G	G	G	G		G
MW-11S	11/06	1110		18	9	G	G	G	G	G	G	G	G	G	G	G	G		G
MW-11D	11/06	1115		18	9	G	G	G	G	G	G	G	G	G	G	G	G		G
MW-22	11/06	1000		17	9	G	G	G	G	G	G	G	G	G	G	G	G		G
~~MW-23~~					9														
~~MW-23D~~					10														

CHLORINE NEUTRALIZED AT COLLECTION

pH CHECK (LAB)

CONTAINER TYPE, P/G

CHEMICAL PRESERVATION

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) Hoge / Fox

SAMPLES RECEIVED IN LAB AT 1.2 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob Hoge	11/10/06	Kristine Smith	11/10/06 4:00
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS: W.9
W.10
W.23
W.23D

ALL DONE
11.09.06

Instructions for completing this form are on the reverse side.

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

FORM #5

Environment 1, Incorporated

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

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

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6062 A

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

DATE COLLECTED: 11/09/06
DATE REPORTED : 12/28/06

REVIEWED BY:

PARAMETERS	MW-9	MW-10	MW-23	MW-23D	Analysis Date	Analyst	Method Code
PH (field measurement), Units	6.0	5.4	5.7	5.9	11/09/06	RJH	EPA150.1
Total Cyanide, mg/l	<0.050	<0.050	<0.050	<0.050	11/15/06	SEJ	SM4500 CN-E
Antimony, mg/l	<0.030	<0.030	<0.030	<0.030	11/16/06	CMF	EPA200.8
Arsenic, mg/l	<0.010	<0.010	<0.010	<0.010	11/16/06	CMF	EPA200.8
Barium, mg/l	<0.500	<0.500	<0.500	<0.500	11/16/06	CMF	EPA200.8
Beryllium, mg/l	<0.002	<0.002	<0.002	<0.002	11/16/06	CMF	EPA200.8
Cadmium, mg/l	<0.001	<0.001	<0.001	<0.001	11/16/06	CMF	EPA200.8
Cobalt, mg/l	<0.010	<0.010	<0.010	<0.010	11/16/06	CMF	EPA200.8
Copper, mg/l	<0.200	<0.200	<0.200	<0.200	11/16/06	CMF	EPA200.8
Total Chromium, mg/l	<0.010	<0.010	0.013	<0.010	11/16/06	CMF	EPA200.8
Lead, mg/l	<0.010	<0.010	0.039	<0.010	11/16/06	CMF	EPA200.8
Mercury, mg/l	<0.0005	<0.0005	<0.0005	<0.0005	11/16/06	CMF	EPA200.8
Nickel, mg/l	<0.050	<0.050	<0.050	<0.050	11/16/06	CMF	EPA200.8
Selenium, mg/l	<0.020	<0.020	<0.020	<0.020	11/16/06	CMF	EPA200.8
Silver, mg/l	<0.010	<0.010	<0.010	<0.010	11/16/06	CMF	EPA200.8
Thallium, mg/l	<0.010	<0.010	<0.010	<0.010	11/16/06	CMF	EPA200.8
Tin, mg/l	<0.100	<0.100	<0.100	<0.100	11/16/06	CMF	EPA200.8
Vanadium, mg/l	<0.040	<0.040	<0.040	<0.040	11/16/06	CMF	EPA200.8
Zinc, mg/l	<0.050	<0.050	0.133	<0.050	11/16/06	CMF	EPA200.8
Sulfide, mg/l	<1	<1	<1	<1	11/10/06	LFJ	SM4500-S2D
Conductivity (at 25c), uMhos	567	181	76	155	11/09/06	RJH	SM2510B
Temperature, °C	17	17	17	17	11/09/06	RJH	SM2550B
Static Water Level, feet	29.97	42.78	43.83	44.22	11/09/06	RJH	
Well Depth, feet	44.48	55.17	51.96	92.00	11/09/06	RJH	

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: SSR
DATE COLLECTED: 11/09/06
DATE EXTRACTED: 11/13/06
DATE ANALYZED: 11/22/06
DATE REPORTED: 12/28/06

PESTICIDES AND PCB'S
EPA METHOD 8081A

PARAMETERS, ug/l	MW-9	MW-10	MW-23	MW-23D
1. Aldrin	<0.05	<0.05	<0.05	<0.05
2. Alpha-BHC	<0.05	<0.05	<0.05	<0.05
3. Beta-BHC	<0.05	<0.05	<0.05	<0.05
4. Delta-BHC	<0.05	<0.05	<0.05	<0.05
5. Gamma-BHC (Lindane)	0.786	<0.05	<0.05	<0.05
6. Chlordane	<0.50	<0.50	<0.50	<0.50
7. 4,4-DDD	<0.10	<0.10	<0.10	<0.10
8. 4,4-DDE	<0.10	<0.10	<0.10	<0.10
9. 4,4-DDT	<0.10	<0.10	<0.10	<0.10
10. Dieldrin	<0.10	<0.10	<0.10	<0.10
11. Endosulfan I	<0.10	<0.10	<0.10	<0.10
12. Endosulfan II	<0.10	<0.10	<0.10	<0.10
13. Endosulfan Sulfate	<0.10	<0.10	<0.10	<0.10
14. Endrin	<0.10	<0.10	<0.10	<0.10
15. Endrin Aldehyde	<0.10	<0.10	<0.10	<0.10
16. Heptachlor	<0.05	<0.05	<0.05	<0.05
17. Hepthchlor Epoxide	<0.10	<0.10	<0.10	<0.10
18. Methoxychlor	<1.00	<1.00	<1.00	<1.00
19. Pcb's (Aroclors)	<2.00	<2.00	<2.00	<2.00
20. Toxaphene	<2.00	<2.00	<2.00	<2.00

NOTE: Surrogate recovery for MW-9 & 23
outside control limits

Environment 1, Incorporated

Drinking Water ID: 37716
Wastewater ID: 10

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

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

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: 11/09/06
DATE EXTRACTED: 11/16/06
DATE ANALYZED: 11/19/06
DATE REPORTED: 12/28/06

LANDFILL APPENDIX II
EPA METHOD 8151A

PARAMETERS, ug/l	MW-9	MW-10	MW-23	MW-23D
1. 2,4-D	<2.00	<2.00	<2.00	<2.00
2. Dinoseb	<1.00	<1.00	<1.00	<1.00
3. 2,4,5-TP	<2.00	<2.00	<2.00	<2.00
4. 2,4,5-T	<2.00	<2.00	<2.00	<2.00

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/09/06
DATE EXTRACTED: 11/14/06
DATE REPORTED: 12/28/06

REVIEWED BY:

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

Date Analyzed: / PARAMETERS, ug/l	11/29/06 MW-9	11/29/06 MW-10	12/13/06 MW-23	12/13/06 MW-23D
1. Acenaphthene	<10.00	<10.00	<10.00	<10.00
2. Acenaphthylene	<10.00	<10.00	<10.00	<10.00
3. Anthracene	<10.00	<10.00	<10.00	<10.00
4. Benzo[a]antrhacene	<10.00	<10.00	<10.00	<10.00
5. Benzo[b]fluoranthene	<10.00	<10.00	<10.00	<10.00
6. Benzo[k]fluoranthene	<10.00	<10.00	<10.00	<10.00
7. Benzo[g,h,i]perylene	<10.00	<10.00	<10.00	<10.00
8. Benzo[a]pyrene	<10.00	<10.00	<10.00	<10.00
9. 4-Bromophenyl Phenyl Ether	<10.00	<10.00	<10.00	<10.00
10. Butyl Benzyl Phthalate	<10.00	<10.00	<10.00	<10.00
11. Bis-(2-Chloroethoxy) Methane	<10.00	<10.00	<10.00	<10.00
12. Bis-(2-Chloroethyl) Ether	<10.00	<10.00	<10.00	<10.00
13. Bis-(2-Chloroisopropyl) Ether	<10.00	<10.00	<10.00	<10.00
14. 2-Chloronaphthalene	<10.00	<10.00	<10.00	<10.00
15. 4-Chlorophenyl Phenyl Ether	<10.00	<10.00	<10.00	<10.00
16. Chrysene	<10.00	<10.00	<10.00	<10.00
17. Dibenzo[a,h]anthracene	<10.00	<10.00	<10.00	<10.00
18. Di-N-Butyl Phthalate	<10.00	<10.00	<10.00	<10.00
19. Dimethyl Phthalate	<10.00	<10.00	<10.00	<10.00
20. Diethyl Phthalate	<10.00	<10.00	<10.00	<10.00
21. 2,4-Dinitrotoluene	<10.00	<10.00	<10.00	<10.00
22. 2,6-Dinitrotoluene	<10.00	<10.00	<10.00	<10.00
23. Di-N-Octyl Phthalate	<10.00	<10.00	<10.00	<10.00
24. Bis-(2-Ethylhexyl) Phthalate	<20.00	<20.00	<20.00	<20.00
25. Fluoranthene	<10.00	<10.00	<10.00	<10.00
26. Fluorene	<10.00	<10.00	<10.00	<10.00
27. Hexachlorobenzene	<10.00	<10.00	<10.00	<10.00
28. Hexachlorocyclopentadiene	<10.00	<10.00	<10.00	<10.00
29. Indeno[1,2,3-Cd]pyrene	<10.00	<10.00	<10.00	<10.00
30. Isophorone	<10.00	<10.00	<10.00	<10.00
31. Nitrobenzene	<10.00	<10.00	<10.00	<10.00
32. N-Nitrosodimethylamine	<10.00	<10.00	<10.00	<10.00
33. N-Nitrosodiphenylamine	<10.00	<10.00	<10.00	<10.00
34. N-Nitrosodi-N-Propylamine	<10.00	<10.00	<10.00	<10.00
35. Phenanthrene	<10.00	<10.00	<10.00	<10.00
36. Pyrene	<10.00	<10.00	<10.00	<10.00
37. 4-Chloro-3-Methylphenol	<20.00	<20.00	<20.00	<20.00
38. 2-Chlorophenol	<10.00	<10.00	<10.00	<10.00
39. O-Cresol	<10.00	<10.00	<10.00	<10.00
40. P-Cresol	<10.00	<10.00	<10.00	<10.00
41. 2,4-Dichlorophenol	<10.00	<10.00	<10.00	<10.00
42. 2,6-Dichlorophenol	<10.00	<10.00	<10.00	<10.00
43. 2,4-Dimethylphenol	<10.00	<10.00	<10.00	<10.00
44. 4,6-Dinitro-2-Methylphenol	<50.00	<50.00	<50.00	<50.00
45. 2,4-Dinitrophenol	<50.00	<50.00	<50.00	<50.00
46. Ethyl Methanesulfonate	<10.00	<10.00	<10.00	<10.00
47. Methyl Methanesulfonate	<10.00	<10.00	<10.00	<10.00

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/09/06
DATE EXTRACTED: 11/14/06
DATE REPORTED: 12/28/06

REVIEWED BY:

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

Date Analyzed: / PARAMETERS, ug/l	11/29/06 MW-9	11/29/06 MW-10	12/13/06 MW-23	12/13/06 MW-23D
48. 2-Nitrophenol	<10.00	<10.00	<10.00	<10.00
49. 4-Nitrophenol	<50.00	<50.00	<50.00	<50.00
50. Pentachlorophenol	<50.00	<50.00	<50.00	<50.00
51. Phenol	<10.00	<10.00	<10.00	<10.00
52. 2,3,4,6-Tetrachlorophenol	<10.00	<10.00	<10.00	<10.00
53. 2,4,5-Trichlorophenol	<10.00	<10.00	<10.00	<10.00
54. 2,4,6-Trichlorophenol	<10.00	<10.00	<10.00	<10.00
55. Acetophenone	<10.00	<10.00	<10.00	<10.00
56. 2-Acetylaminofluorene	<20.00	<20.00	<20.00	<20.00
57. 4-Aminobiphenyl	<20.00	<20.00	<20.00	<20.00
58. Benzyl Alcohol	<20.00	<20.00	<20.00	<20.00
59. 4-Chloroaniline	<20.00	<20.00	<20.00	<20.00
60. Chlorobenzilate	<10.00	<10.00	<10.00	<10.00
61. Diallate	<10.00	<10.00	<10.00	<10.00
62. Dibenzofuran	<10.00	<10.00	<10.00	<10.00
63. 3,3-Dichlorobenzidine	<20.00	<20.00	<20.00	<20.00
64. Dimethoate	<20.00	<20.00	<20.00	<20.00
65. P-Dimethylaminoazobenzene	<10.00	<10.00	<10.00	<10.00
66. 7,12-Dimethylbenz[a]anthracene	<10.00	<10.00	<10.00	<10.00
67. 3,3-Dimethylbenzadine	<10.00	<10.00	<10.00	<10.00
68. 1,3-Dinitrobenzene	<20.00	<20.00	<20.00	<20.00
69. Diphenylamine	<10.00	<10.00	<10.00	<10.00
70. Disulfoton	<10.00	<10.00	<10.00	<10.00
71. Famphur	<20.00	<20.00	<20.00	<20.00
72. Hexachloropropene	<10.00	<10.00	<10.00	<10.00
73. Isosafrole	<10.00	<10.00	<10.00	<10.00
74. Kepone	<20.00	<20.00	<20.00	<20.00
75. Methapyrilene	<100.00	<100.00	<100.00	<100.00
76. 3-Methylchloroanthrene	<10.00	<10.00	<10.00	<10.00
77. 2-Methylnaphthalene	<10.00	<10.00	<10.00	<10.00
78. Methyl Parathion	<10.00	<10.00	<10.00	<10.00
79. m-Cresol	<10.00	<10.00	<10.00	<10.00
80. 1,4-Naphthoquinone	<10.00	<10.00	<10.00	<10.00
81. 1-Naphthylamine	<10.00	<10.00	<10.00	<10.00
82. 2-Naphthylamine	<10.00	<10.00	<10.00	<10.00
83. 2-Nitroaniline	<50.00	<50.00	<50.00	<50.00
84. 3-Nitroaniline	<50.00	<50.00	<50.00	<50.00
85. 4-Nitroaniline	<20.00	<20.00	<20.00	<20.00
86. 5-Nitro-O-Toluidine	<10.00	<10.00	<10.00	<10.00
87. N-Nitrosodi-n-butylamine	<10.00	<10.00	<10.00	<10.00
88. N-Nitrosodiethylamine	<20.00	<20.00	<20.00	<20.00
89. N-Nitrosomethylethylamine	<10.00	<10.00	<10.00	<10.00
90. N-Nitrosopiperidine	<20.00	<20.00	<20.00	<20.00
91. N-Nitrosopyrrolidine	<40.00	<40.00	<40.00	<40.00
92. Parathion	<10.00	<10.00	<10.00	<10.00
93. Pentachlorobenzene	<10.00	<10.00	<10.00	<10.00
94. Pentachloronitrobenzene	<50.00	<50.00	<50.00	<50.00

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/09/06
DATE EXTRACTED: 11/14/06
DATE REPORTED: 12/28/06

REVIEWED BY:

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

Date Analyzed: / PARAMETERS, ug/l	11/29/06 MW-9	11/29/06 MW-10	12/13/06 MW-23	12/13/06 MW-23D
95. Phenacetin	<20.00	<20.00	<20.00	<20.00
96. 1,4 Benzenediamine	<10.00	<10.00	<10.00	<10.00
97. Phorate	<10.00	<10.00	<10.00	<10.00
98. Pronamide	<10.00	<10.00	<10.00	<10.00
99. Safrole	<10.00	<10.00	<10.00	<10.00
100. 1,2,4,5-Tetrachlorobenzene	<10.00	<10.00	<10.00	<10.00
101. Thionazin	<20.00	<20.00	<20.00	<20.00
102. O-Toluidine	<10.00	<10.00	<10.00	<10.00
103. 1,3,5-Trinitrobenzene	<10.00	<10.00	<10.00	<10.00
104. 0,0,0-Triethyl Phosphorothioate	<10.00	<10.00	<10.00	<10.00
105. Hexachloroethane	<10.00	<10.00	<10.00	<10.00
106. Isodrin	<20.00	<20.00	<20.00	<20.00

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/09/06
DATE ANALYZED: 11/20/06
DATE REPORTED: 12/28/06

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MW-9	MW-10	MW-23	MW-23D
1. Chloromethane	<10.00	<10.00	<10.00	<10.00
2. Vinyl Chloride	23.00	<10.00	<10.00	<10.00
3. Bromomethane	<10.00	<10.00	<10.00	<10.00
4. Chloroethane	<10.00	<10.00	<10.00	<10.00
5. Trichlorofluoromethane	<5.00	<5.00	<5.00	<5.00
6. 1,1-Dichloroethene	<5.00	<5.00	<5.00	<5.00
7. Acetone	<100.00	<100.00	<100.00	<100.00
8. Iodomethane	<10.00	<10.00	<10.00	<10.00
9. Carbon Disulfide	<100.00	<100.00	<100.00	<100.00
10. Methylene Chloride	<10.00	<10.00	<10.00	<10.00
11. trans-1,2-Dichloroethene	<5.00	<5.00	<5.00	<5.00
12. 1,1-Dichloroethane	39.90	7.80	<5.00	<5.00
13. Vinyl Acetate	<50.00	<50.00	<50.00	<50.00
14. Cis-1,2-Dichloroethene	5.90	27.70	<5.00	<5.00
15. 2-Butanone	<100.00	<100.00	<100.00	<100.00
16. Bromochloromethane	<5.00	<5.00	<5.00	<5.00
17. Chloroform	<5.00	<5.00	<5.00	<5.00
18. 1,1,1-Trichloroethane	<5.00	<5.00	<5.00	<5.00
19. Carbon Tetrachloride	<10.00	<10.00	<10.00	<10.00
20. Benzene	<5.00	<5.00	<5.00	<5.00
21. 1,2-Dichloroethane	<5.00	<5.00	<5.00	<5.00
22. Trichloroethene	<5.00	<5.00	<5.00	<5.00
23. 1,2-Dichloropropane	<5.00	<5.00	<5.00	<5.00
24. Bromodichloromethane	<5.00	<5.00	<5.00	<5.00
25. Cis-1,3-Dichloropropene	<10.00	<10.00	<10.00	<10.00
26. 4-Methyl-2-Pentanone	<100.00	<100.00	<100.00	<100.00
27. Toluene	<5.00	<5.00	<5.00	<5.00
28. trans-1,3-Dichloropropene	<10.00	<10.00	<10.00	<10.00
29. 1,1,2-Trichloroethane	<5.00	<5.00	<5.00	<5.00
30. Tetrachloroethene	<5.00	<5.00	<5.00	<5.00
31. 2-Hexanone	<50.00	<50.00	<50.00	<50.00
32. Dibromochloromethane	<5.00	<5.00	<5.00	<5.00
33. 1,2-Dibromomethane	<5.00	<5.00	<5.00	<5.00
34. Chlorobenzene	<5.00	<5.00	<5.00	<5.00
35. 1,1,1,2-Tetrachloroethane	<5.00	<5.00	<5.00	<5.00
36. Ethylbenzene	<5.00	<5.00	<5.00	<5.00
37. Xylenes	<5.00	<5.00	<5.00	<5.00
38. Dibromomethane	<10.00	<10.00	<10.00	<10.00
39. Styrene	<10.00	<10.00	<10.00	<10.00
40. Bromoform	<5.00	<5.00	<5.00	<5.00
41. 1,1,2,2-Tetrachloroethane	<5.00	<5.00	<5.00	<5.00
42. 1,2,3-Trichloropropane	<15.00	<15.00	<15.00	<15.00
43. 1,4-Dichlorobenzene	5.80	<5.00	<5.00	<5.00
44. 1,2-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00
45. 1,2-Dibromo-3-Chloropropane	<25.00	<25.00	<25.00	<25.00
46. Acrylonitrile	<200.00	<200.00	<200.00	<200.00
47. trans-1,4-Dichloro-2-Butene	<100.00	<100.00	<100.00	<100.00
48. Acrolein	<100.00	<100.00	<100.00	<100.00

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/09/06
DATE ANALYZED: 11/20/06
DATE REPORTED: 12/28/06

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MW-9	MW-10	MW-23	MW-23D
49. Allyl Chloride	<10.00	<10.00	<10.00	<10.00
50. Chloroprene	<20.00	<20.00	<20.00	<20.00
51. 1,3-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00
52. Dichlorodifluoromethane	<5.00	<5.00	<5.00	<5.00
53. 1,3-Dichloropropane	<5.00	<5.00	<5.00	<5.00
54. 2,2-Dichloropropane	<15.00	<15.00	<15.00	<15.00
55. 1,1-Dichloropropene	<5.00	<5.00	<5.00	<5.00
56. Ethyl Methacrylate	<10.00	<10.00	<10.00	<10.00
57. Hexachlorobutadine	<10.00	<10.00	<10.00	<10.00
58. Isobutyl Alcohol	<100.00	<100.00	<100.00	<100.00
59. Methacrylonitrile	<100.00	<100.00	<100.00	<100.00
60. Methyl Methacrylate	<30.00	<30.00	<30.00	<30.00
61. Naphthalene	<10.00	<10.00	<10.00	<10.00
62. Propionitrile	<150.00	<150.00	<150.00	<150.00
63. 1,2,4-Trichlorobenzene	<10.00	<10.00	<10.00	<10.00
64. Acetonitrile	<100.00	<100.00	<100.00	<100.00

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

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

CHAIN OF CUSTODY RECORD

CLIENT: 6062 A **Week: 47**

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	Cyanide	Metals	Sulfide	Conductivity	Temperature	Field Parameter	EPA 8270C	EPA 8081A	8081A Duplicate	8260B App. II	8260 App. II 1	8260 App. II 2	8151A Landfill
							7.2	6.2	7.9							6.2	6.2	6.2	
						P	P	P	P	P	P		G	G	G	G	G	G	G
						A	D	B	F D	A	A		A	A	A	E	E	E	A
MW-9	11 09 06	0850		17	9	G	G	G	G	G	G	G	G	G	G	G	G		G
MW-10	11 09 06	0945		17	9	G	G	G	G	G	G	G	G	G	G	G	G		G
~~MW-10D~~					9														
~~MW-11S~~					9														
~~MW-11D~~					9														
~~MW-22~~					9														
MW-23	11 09 06	1040		17	9	G	G	G	G	G	G	G	G	G	G	G	G		G
MW-23D	11 09 06	1035		17	10	G	G	G	G	G	G	G	G	G	G	G	G	G	G

CHLORINE NEUTRALIZED AT COLLECTION

pH CHECK (LAB)

CONTAINER TYPE, P/G

CHEMICAL PRESERVATION

PARAMETERS

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

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

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY: Y N

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

SAMPLES RECEIVED IN LAB AT 1.0 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob H Bove	11 09 06	Anthony Faulkner	11/9/06 8:00
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:
W. 10D
W. 11S
W. 11D
W. 22
WILL BE DONE 11.10.06

Instructions for completing this form are on the reverse side.

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

FORM #5

Environment 1, Incorporated

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

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

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6062 B

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

DATE COLLECTED: 11/10/06
DATE REPORTED : 12/28/06

REVIEWED BY:

PARAMETERS	MW-29D	MW-30	TB-1AD	Analysis Date	Analyst	Method Code
PH (field measurement), Units	5.9	5.9	6.3	11/10/06	RJH	EPA150.1
Total Cyanide, mg/l	<0.050	<0.050	<0.050	11/15/06	SEJ	SM4500 CN-E
Antimony, mg/l	<0.030	<0.030	<0.030	11/22/06	LFJ	EPA200.8
Arsenic, mg/l	<0.010	<0.010	<0.010	11/22/06	LFJ	EPA200.8
Barium, mg/l	<0.500	<0.500	<0.500	11/22/06	LFJ	EPA200.8
Beryllium, mg/l	<0.002	<0.002	<0.002	11/22/06	LFJ	EPA200.8
Cadmium, mg/l	<0.001	<0.001	<0.001	11/22/06	LFJ	EPA200.8
Cobalt, mg/l	<0.010	<0.010	<0.010	11/22/06	LFJ	EPA200.8
Copper, mg/l	<0.200	<0.200	<0.200	12/28/06	LFJ	EPA200.8
Total Chromium, mg/l	<0.010	0.032	<0.010	11/22/06	LFJ	EPA200.8
Lead, mg/l	<0.010	0.010	<0.010	11/22/06	LFJ	EPA200.8
Mercury, mg/l	<0.0005	<0.0005	<0.0005	12/28/06	LFJ	EPA200.8
Nickel, mg/l	<0.050	<0.050	<0.050	11/22/06	LFJ	EPA200.8
Selenium, mg/l	<0.020	<0.020	<0.020	11/22/06	LFJ	EPA200.8
Silver, mg/l	<0.010	<0.010	<0.010	11/22/06	LFJ	EPA200.8
Thallium, mg/l	<0.010	<0.010	<0.010	11/22/06	LFJ	EPA200.8
Tin, mg/l	<0.100	<0.100	<0.100	11/22/06	LFJ	EPA200.8
Vanadium, mg/l	<0.040	<0.040	<0.040	11/22/06	LFJ	EPA200.8
Zinc, mg/l	<0.050	0.083	<0.050	11/22/06	LFJ	EPA200.8
Sulfide, mg/l	<1	<1	<1	11/10/06	LFJ	SM4500-S2D
Conductivity (at 25c), uMhos	138	123	173	11/10/06	RJH	SM2510B
Temperature, °C	18	16	17	11/10/06	RJH	SM2550B
Static Water Level, feet	40.34	49.47	29.09	11/10/06	RJH	
Well Depth, feet	51.46	56.36	62.32	11/10/06	RJH	

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: SSR
DATE COLLECTED: 11/10/06
DATE EXTRACTED: 11/13/06
DATE ANALYZED: 11/22/06
DATE REPORTED: 12/28/06

PESTICIDES AND PCB'S
EPA METHOD 8081A

PARAMETERS, ug/l	MW-29D	MW-30	TB-1AD
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	<0.10	<0.10	<0.10
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	<0.10	<0.10	<0.10
18. Methoxychlor	<1.00	<1.00	<1.00
19. Pcb's (Aroclors)	<2.00	<2.00	<2.00
20. Toxaphene	<2.00	<2.00	<2.00

NOTE: Surrogate recovery for MW-30
outside control limits

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/10/06
DATE EXTRACTED: 11/16/06
DATE ANALYZED: 11/19/06
DATE REPORTED: 12/28/06

LANDFILL APPENDIX II
EPA METHOD 8151A

PARAMETERS, ug/l	MW-29D	MW-30	TB-1AD
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

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/10/06
DATE EXTRACTED: 11/14/06
DATE ANALYZED: 12/13/06
DATE REPORTED: 12/28/06

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MW-29D	MW-30	TB-1AD
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	<20.00	<20.00	<20.00
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. 4-Chloro-3-Methylphenol	<20.00	<20.00	<20.00
38. 2-Chlorophenol	<10.00	<10.00	<10.00
39. O-Cresol	<10.00	<10.00	<10.00
40. P-Cresol	<10.00	<10.00	<10.00
41. 2,4-Dichlorophenol	<10.00	<10.00	<10.00
42. 2,6-Dichlorophenol	<10.00	<10.00	<10.00
43. 2,4-Dimethylphenol	<10.00	<10.00	<10.00
44. 4,6-Dinitro-2-Methylphenol	<50.00	<50.00	<50.00
45. 2,4-Dinitrophenol	<50.00	<50.00	<50.00
46. Ethyl Methanesulfonate	<10.00	<10.00	<10.00
47. Methyl Methanesulfonate	<10.00	<10.00	<10.00
48. 2-Nitrophenol	<10.00	<10.00	<10.00

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/10/06
DATE EXTRACTED: 11/14/06
DATE ANALYZED: 12/13/06
DATE REPORTED: 12/28/06

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MW-29D	MW-30	TB-1AD
49. 4-Nitrophenol	<50.00	<50.00	<50.00
50. Pentachlorophenol	<50.00	<50.00	<50.00
51. Phenol	<10.00	<10.00	<10.00
52. 2,3,4,6-Tetrachlorophenol	<10.00	<10.00	<10.00
53. 2,4,5-Trichlorophenol	<10.00	<10.00	<10.00
54. 2,4,6-Trichlorophenol	<10.00	<10.00	<10.00
55. Acetophenone	<10.00	<10.00	<10.00
56. 2-Acetylaminofluorene	<20.00	<20.00	<20.00
57. 4-Aminobiphenyl	<20.00	<20.00	<20.00
58. Benzyl Alcohol	<20.00	<20.00	<20.00
59. 4-Chloroaniline	<20.00	<20.00	<20.00
60. Chlorobenzilate	<10.00	<10.00	<10.00
61. Diallate	<10.00	<10.00	<10.00
62. Dibenzofuran	<10.00	<10.00	<10.00
63. 3,3-Dichlorobenzidine	<20.00	<20.00	<20.00
64. Dimethoate	<20.00	<20.00	<20.00
65. P-Dimethylaminoazobenzene	<10.00	<10.00	<10.00
66. 7,12-Dimethylbenz[a]anthracene	<10.00	<10.00	<10.00
67. 3,3-Dimethylbenzadine	<10.00	<10.00	<10.00
68. 1,3-Dinitrobenzene	<20.00	<20.00	<20.00
69. Diphenylamine	<10.00	<10.00	<10.00
70. Disulfoton	<10.00	<10.00	<10.00
71. Famphur	<20.00	<20.00	<20.00
72. Hexachloropropene	<10.00	<10.00	<10.00
73. Isosafrole	<10.00	<10.00	<10.00
74. Kepone	<20.00	<20.00	<20.00
75. Methapyrilene	<100.00	<100.00	<100.00
76. 3-Methylchloroanthrene	<10.00	<10.00	<10.00
77. 2-Methylnaphthalene	<10.00	<10.00	<10.00
78. Methyl Parathion	<10.00	<10.00	<10.00
79. m-Cresol	<10.00	<10.00	<10.00
80. 1,4-Naphthoquinone	<10.00	<10.00	<10.00
81. 1-Naphthylamine	<10.00	<10.00	<10.00
82. 2-Naphthylamine	<10.00	<10.00	<10.00
83. 2-Nitroaniline	<50.00	<50.00	<50.00
84. 3-Nitroaniline	<50.00	<50.00	<50.00
85. 4-Nitroaniline	<20.00	<20.00	<20.00
86. 5-Nitro-O-Toluidine	<10.00	<10.00	<10.00
87. N-Nitrosodi-n-butylamine	<10.00	<10.00	<10.00
88. N-Nitrosodiethylamine	<20.00	<20.00	<20.00
89. N-Nitrosomethylethylamine	<10.00	<10.00	<10.00
90. N-Nitrosopiperidine	<20.00	<20.00	<20.00
91. N-Nitrosopyrrolidine	<40.00	<40.00	<40.00
92. Parathion	<10.00	<10.00	<10.00
93. Pentachlorobenzene	<10.00	<10.00	<10.00
94. Pentachloronitrobenzene	<50.00	<50.00	<50.00
95. Phenacetin	<20.00	<20.00	<20.00
96. 1,4 Benzenediamine	<10.00	<10.00	<10.00

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/10/06
DATE EXTRACTED: 11/14/06
DATE ANALYZED: 12/13/06
DATE REPORTED: 12/28/06

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MW-29D	MW-30	TB-1AD
97. Phorate	<10.00	<10.00	<10.00
98. Pronamide	<10.00	<10.00	<10.00
99. Safrole	<10.00	<10.00	<10.00
100. 1,2,4,5-Tetrachlorobenzene	<10.00	<10.00	<10.00
101. Thionazin	<20.00	<20.00	<20.00
102. O-Toluidine	<10.00	<10.00	<10.00
103. 1,3,5-Trinitrobenzene	<10.00	<10.00	<10.00
104. 0,0,0-Triethyl Phosphorothioate	<10.00	<10.00	<10.00
105. Hexachloroethane	<10.00	<10.00	<10.00
106. Isodrin	<20.00	<20.00	<20.00

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/10/06
DATE ANALYZED: 11/21/06
DATE REPORTED: 12/28/06

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MW-29D	MW-30	TB-1AD
1. Chloromethane	<10.00	<10.00	<10.00
2. Vinyl Chloride	<10.00	<10.00	<10.00
3. Bromomethane	<10.00	<10.00	<10.00
4. Chloroethane	<10.00	<10.00	<10.00
5. Trichlorofluoromethane	<5.00	<5.00	<5.00
6. 1,1-Dichloroethene	<5.00	<5.00	<5.00
7. Acetone	<100.00	<100.00	<100.00
8. Iodomethane	<10.00	<10.00	<10.00
9. Carbon Disulfide	<100.00	<100.00	<100.00
10. Methylene Chloride	<10.00	<10.00	<10.00
11. trans-1,2-Dichloroethene	<5.00	<5.00	<5.00
12. 1,1-Dichloroethane	<5.00	<5.00	<5.00
13. Vinyl Acetate	<50.00	<50.00	<50.00
14. Cis-1,2-Dichloroethene	<5.00	<5.00	<5.00
15. 2-Butanone	<100.00	<100.00	<100.00
16. Bromochloromethane	<5.00	<5.00	<5.00
17. Chloroform	<5.00	<5.00	35.60
18. 1,1,1-Trichloroethane	<5.00	<5.00	<5.00
19. Carbon Tetrachloride	<10.00	<10.00	<10.00
20. Benzene	<5.00	<5.00	<5.00
21. 1,2-Dichloroethane	<5.00	<5.00	<5.00
22. Trichloroethene	<5.00	<5.00	<5.00
23. 1,2-Dichloropropane	<5.00	<5.00	<5.00
24. Bromodichloromethane	<5.00	<5.00	<5.00
25. Cis-1,3-Dichloropropene	<10.00	<10.00	<10.00
26. 4-Methyl-2-Pentanone	<100.00	<100.00	<100.00
27. Toluene	<5.00	<5.00	<5.00
28. trans-1,3-Dichloropropene	<10.00	<10.00	<10.00
29. 1,1,2-Trichloroethane	<5.00	<5.00	<5.00
30. Tetrachloroethene	<5.00	<5.00	<5.00
31. 2-Hexanone	<50.00	<50.00	<50.00
32. Dibromochloromethane	<5.00	<5.00	<5.00
33. 1,2-Dibromomethane	<5.00	<5.00	<5.00
34. Chlorobenzene	<5.00	<5.00	<5.00
35. 1,1,1,2-Tetrachloroethane	<5.00	<5.00	<5.00
36. Ethylbenzene	<5.00	<5.00	<5.00
37. Xylenes	<5.00	<5.00	<5.00
38. Dibromomethane	<10.00	<10.00	<10.00
39. Styrene	<10.00	<10.00	<10.00
40. Bromoform	<5.00	<5.00	<5.00
41. 1,1,2,2-Tetrachloroethane	<5.00	<5.00	<5.00
42. 1,2,3-Trichloropropane	<15.00	<15.00	<15.00
43. 1,4-Dichlorobenzene	<5.00	<5.00	<5.00
44. 1,2-Dichlorobenzene	<5.00	<5.00	<5.00
45. 1,2-Dibromo-3-Chloropropane	<25.00	<25.00	<25.00
46. Acrylonitrile	<200.00	<200.00	<200.00
47. trans-1,4-Dichloro-2-Butene	<100.00	<100.00	<100.00
48. Acrolein	<100.00	<100.00	<100.00

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/10/06
DATE ANALYZED: 11/21/06
DATE REPORTED: 12/28/06

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MW-29D	MW-30	TB-1AD
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	<5.00	<5.00	<5.00
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. Hexachlorobutadine	<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	<100.00	<100.00	<100.00

Environment 1, Inc.
P.O. Box 7085 [illegible] Oakmont Dr.
Greenville, NC 27858

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

CHAIN OF CUSTODY RECORD

CLIENT: 6062 B **Week: 47**

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	Cyanide	Metals	Sulfide	Conductivity	Temperature	Field Parameter	EPA 8270C	EPA 8081A	8081A Duplicate	8260B App. II	8260 App. II 1	8260 App. II 2	8151A Landfill
							7.12	6.79								6.7	6.7	6.7	
						P	P	P	P	P	P		G	G	G	G	G	G	G
						A	D	B	F D	A	A		A	A	A	E	E	E	A
MW-24					10														
MW-29D 11	1006	1210		18	9	G	G	G	G	G	G	G	G	G	G	G	G		G
MW-30 11	1006	1215		16	9	G	G	G	G	G	G	G	G	G	G	G	G		G
MW-31					9														
MW-31D					9														
MW-32					9														
TB-1A					10														
TB-1AD 11	1006	1245		17	10	G	G	G	G	G	G	G	G	G	G	G	G		G

CHLORINE NEUTRALIZED AT COLLECTION	
pH CHECK (LAB)	
CONTAINER TYPE, P/G	
CHEMICAL PRESERVATION	A - NONE; B - HNO_3; C - H_2SO_4; D - NAOH; E - HCL; F - ZINC ACETATE; G - NA THIOSULFATE
PARAMETERS	

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

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY: Y N

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

SAMPLES RECEIVED IN LAB AT 10 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob H Bowe 11	1006	Anetha Gatlin	11/10/06 4:00
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS: B1A
W.24
W.31
W.31D
W 32

ALL DONE 11.09.06

Instructions for completing this form are on the reverse side.

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

FORM #5

Environment 1, Incorporated

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

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

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6062 B

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

DATE COLLECTED: 11/09/06
DATE REPORTED : 12/28/06

REVIEWED BY:

PARAMETERS	MW-24	MW-31	MW-31D	MW-32	TB-1A	Analysis Date	Analyst	Method Code
PH (field measurement), Units	5.7	5.7	6.3	5.6	5.7	11/09/06	RJH	EPA150.1
Total Cyanide, mg/l	<0.050	<0.050	<0.050	<0.050	<0.050	11/15/06	SEJ	SM4500 CN-E
Antimony, mg/l	<0.030	<0.030	<0.030	<0.030	<0.030	11/17/06	LFJ	EPA200.8
Arsenic, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	11/17/06	LFJ	EPA200.8
Barium, mg/l	<0.500					11/22/06	LFJ	EPA200.8
Barium, mg/l		<0.500	<0.500	<0.500	<0.500	11/17/06	LFJ	EPA200.8
Beryllium, mg/l	0.004	<0.002	<0.002	<0.002	<0.002	11/17/06	LFJ	EPA200.8
Cadmium, mg/l	<0.001	<0.001	<0.001	<0.001	0.005	11/17/06	LFJ	EPA200.8
Cobalt, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	11/17/06	LFJ	EPA200.8
Copper, mg/l	<0.200	<0.200	<0.200	<0.200	<0.200	11/17/06	LFJ	EPA200.8
Total Chromium, mg/l	0.010	0.015	<0.010	<0.010	0.017	11/17/06	LFJ	EPA200.8
Lead, mg/l	0.046	<0.010	<0.010	<0.010	<0.010	11/17/06	LFJ	EPA200.8
Mercury, mg/l	0.0017				0.0025	12/01/06	ADD	EPA245.1
Mercury, mg/l		<0.0005	<0.0005	<0.0005		11/17/06	LFJ	EPA200.8
Nickel, mg/l	<0.050	<0.050	<0.050	<0.050	<0.050	11/17/06	LFJ	EPA200.8
Selenium, mg/l	<0.020	<0.020	<0.020	<0.020	<0.020	11/17/06	LFJ	EPA200.8
Silver, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	11/17/06	LFJ	EPA200.8
Thallium, mg/l	<0.010	<0.010	<0.010	<0.010	<0.010	11/17/06	LFJ	EPA200.8
Tin, mg/l	<0.100	<0.100	<0.100	<0.100	<0.100	11/17/06	LFJ	EPA200.8
Vanadium, mg/l	<0.040	<0.040	<0.040	<0.040	<0.040	11/17/06	LFJ	EPA200.8
Zinc, mg/l	0.464					11/22/06	LFJ	EPA200.8
Zinc, mg/l		<0.050	<0.050	<0.050	0.087	11/17/06	LFJ	EPA200.8
Sulfide, mg/l	<1	<1	<1	<1	<1	11/10/06	LFJ	SM4500-S2D
Conductivity (at 25c), uMhos	103	179	223	100	133	11/09/06	RJH	SM2510B
Temperature, °C	16	19	20	18	17	11/09/06	RJH	SM2550B
Static Water Level, feet	44.14	30.96	30.49	15.82	26.85	11/09/06	RJH	
Well Depth, feet	48.35	35.35	65.37	27.32	30.29	11/09/06	RJH	

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: SSR
DATE COLLECTED: 11/09/06
DATE EXTRACTED: 11/13/06
DATE ANALYZED: 11/22/06
DATE REPORTED: 12/28/06

PESTICIDES AND PCB'S
EPA METHOD 8081A

PARAMETERS, ug/l	MW-24	MW-31	MW-31D	MW-32	TB-1A
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	<0.10	<0.10	<0.10	<0.10	<0.10
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	<0.10	<0.10	<0.10	<0.10	<0.10
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	<2.00	<2.00	<2.00	<2.00	<2.00

NOTE: Surrogate recovery for MW-24 outside control limits

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/09/06
DATE EXTRACTED: 11/16/06
DATE ANALYZED: 11/19/06
DATE REPORTED: 12/28/06

LANDFILL APPENDIX II
EPA METHOD 8151A

PARAMETERS, ug/l	MW-24	MW-31	MW-31D	MW-32	TB-1A
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

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/09/06
DATE EXTRACTED: 11/13/06
DATE ANALYZED: 12/14/06
DATE REPORTED: 12/28/06

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MW-24	MW-31	MW-31D	MW-32	TB-1A
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	<20.00	<20.00	<20.00	<20.00	<20.00
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. 4-Chloro-3-Methylphenol	<20.00	<20.00	<20.00	<20.00	<20.00
38. 2-Chlorophenol	<10.00	<10.00	<10.00	<10.00	<10.00
39. O-Cresol	<10.00	<10.00	<10.00	<10.00	<10.00
40. P-Cresol	<10.00	<10.00	<10.00	<10.00	<10.00
41. 2,4-Dichlorophenol	<10.00	<10.00	<10.00	<10.00	<10.00
42. 2,6-Dichlorophenol	<10.00	<10.00	<10.00	<10.00	<10.00
43. 2,4-Dimethylphenol	<10.00	<10.00	<10.00	<10.00	<10.00
44. 4,6-Dinitro-2-Methylphenol	<50.00	<50.00	<50.00	<50.00	<50.00
45. 2,4-Dinitrophenol	<50.00	<50.00	<50.00	<50.00	<50.00
46. Ethyl Methanesulfonate	<10.00	<10.00	<10.00	<10.00	<10.00
47. Methyl Methanesulfonate	<10.00	<10.00	<10.00	<10.00	<10.00
48. 2-Nitrophenol	<10.00	<10.00	<10.00	<10.00	<10.00

Environment 1, Incorporated

Drinking Water ID: 37716
Wastewater ID: 10

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

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

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: 11/09/06
DATE EXTRACTED: 11/13/06
DATE ANALYZED: 12/14/06
DATE REPORTED: 12/28/06

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MW-24	MW-31	MW-31D	MW-32	TB-1A
49. 4-Nitrophenol	<50.00	<50.00	<50.00	<50.00	<50.00
50. Pentachlorophenol	<50.00	<50.00	<50.00	<50.00	<50.00
51. Phenol	<10.00	<10.00	<10.00	<10.00	<10.00
52. 2,3,4,6-Tetrachlorophenol	<10.00	<10.00	<10.00	<10.00	<10.00
53. 2,4,5-Trichlorophenol	<10.00	<10.00	<10.00	<10.00	<10.00
54. 2,4,6-Trichlorophenol	<10.00	<10.00	<10.00	<10.00	<10.00
55. Acetophenone	<10.00	<10.00	<10.00	<10.00	<10.00
56. 2-Acetylaminofluorene	<20.00	<20.00	<20.00	<20.00	<20.00
57. 4-Aminobiphenyl	<20.00	<20.00	<20.00	<20.00	<20.00
58. Benzyl Alcohol	<20.00	<20.00	<20.00	<20.00	<20.00
59. 4-Chloroaniline	<20.00	<20.00	<20.00	<20.00	<20.00
60. Chlorobenzilate	<10.00	<10.00	<10.00	<10.00	<10.00
61. Diallate	<10.00	<10.00	<10.00	<10.00	<10.00
62. Dibenzofuran	<10.00	<10.00	<10.00	<10.00	<10.00
63. 3,3-Dichlorobenzidine	<20.00	<20.00	<20.00	<20.00	<20.00
64. Dimethoate	<20.00	<20.00	<20.00	<20.00	<20.00
65. P-Dimethylaminoazobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
66. 7,12-Dimethylbenz[a]anthracene	<10.00	<10.00	<10.00	<10.00	<10.00
67. 3,3-Dimethylbenzadine	<10.00	<10.00	<10.00	<10.00	<10.00
68. 1,3-Dinitrobenzene	<20.00	<20.00	<20.00	<20.00	<20.00
69. Diphenylamine	<10.00	<10.00	<10.00	<10.00	<10.00
70. Disulfoton	<10.00	<10.00	<10.00	<10.00	<10.00
71. Famphur	<20.00	<20.00	<20.00	<20.00	<20.00
72. Hexachloropropene	<10.00	<10.00	<10.00	<10.00	<10.00
73. Isosafrole	<10.00	<10.00	<10.00	<10.00	<10.00
74. Kepone	<20.00	<20.00	<20.00	<20.00	<20.00
75. Methapyrilene	<100.00	<100.00	<100.00	<100.00	<100.00
76. 3-Methylchloroanthrene	<10.00	<10.00	<10.00	<10.00	<10.00
77. 2-Methylnaphthalene	<10.00	<10.00	<10.00	<10.00	<10.00
78. Methyl Parathion	<10.00	<10.00	<10.00	<10.00	<10.00
79. m-Cresol	<10.00	<10.00	<10.00	<10.00	<10.00
80. 1,4-Naphthoquinone	<10.00	<10.00	<10.00	<10.00	<10.00
81. 1-Naphthylamine	<10.00	<10.00	<10.00	<10.00	<10.00
82. 2-Naphthylamine	<10.00	<10.00	<10.00	<10.00	<10.00
83. 2-Nitroaniline	<50.00	<50.00	<50.00	<50.00	<50.00
84. 3-Nitroaniline	<50.00	<50.00	<50.00	<50.00	<50.00
85. 4-Nitroaniline	<20.00	<20.00	<20.00	<20.00	<20.00
86. 5-Nitro-O-Toluidine	<10.00	<10.00	<10.00	<10.00	<10.00
87. N-Nitrosodi-n-butylamine	<10.00	<10.00	<10.00	<10.00	<10.00
88. N-Nitrosodiethylamine	<20.00	<20.00	<20.00	<20.00	<20.00
89. N-Nitrosomethylethylamine	<10.00	<10.00	<10.00	<10.00	<10.00
90. N-Nitrosopiperidine	<20.00	<20.00	<20.00	<20.00	<20.00
91. N-Nitrosopyrrolidine	<40.00	<40.00	<40.00	<40.00	<40.00
92. Parathion	<10.00	<10.00	<10.00	<10.00	<10.00
93. Pentachlorobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
94. Pentachloronitrobenzene	<50.00	<50.00	<50.00	<50.00	<50.00
95. Phenacetin	<20.00	<20.00	<20.00	<20.00	<20.00
96. 1,4 Benzenediamine	<10.00	<10.00	<10.00	<10.00	<10.00

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/09/06
DATE EXTRACTED: 11/13/06
DATE ANALYZED: 12/14/06
DATE REPORTED: 12/28/06

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MW-24	MW-31	MW-31D	MW-32	TB-1A
97. Phorate	<10.00	<10.00	<10.00	<10.00	<10.00
98. Pronamide	<10.00	<10.00	<10.00	<10.00	<10.00
99. Safrole	<10.00	<10.00	<10.00	<10.00	<10.00
100. 1,2,4,5-Tetrachlorobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
101. Thionazin	<20.00	<20.00	<20.00	<20.00	<20.00
102. O-Toluidine	<10.00	<10.00	<10.00	<10.00	<10.00
103. 1,3,5-Trinitrobenzene	<10.00	<10.00	<10.00	<10.00	<10.00
104. 0,0,0-Triethyl Phosphorothioate	<10.00	<10.00	<10.00	<10.00	<10.00
105. Hexachloroethane	<10.00	<10.00	<10.00	<10.00	<10.00
106. Isodrin	<20.00	<20.00	<20.00	<20.00	<20.00

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/09/06
DATE REPORTED: 12/28/06

REVIEWED BY: _____

LANDFILL APPENDIX II
EPA METHOD 8260B

Date Analyzed: / PARAMETERS, ug/l	11/20/06 MW-24	11/20/06 MW-31	11/21/06 MW-31D	11/21/06 MW-32	11/21/06 TB-1A
1. Chloromethane	<10.00	<10.00	<10.00	<10.00	<10.00
2. Vinyl Chloride	<10.00	<10.00	<10.00	<10.00	<10.00
3. Bromomethane	<10.00	<10.00	<10.00	<10.00	<10.00
4. Chloroethane	<10.00	<10.00	<10.00	<10.00	<10.00
5. Trichlorofluoromethane	<5.00	<5.00	<5.00	<5.00	<5.00
6. 1,1-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
7. Acetone	<100.00	<100.00	<100.00	<100.00	<100.00
8. Iodomethane	<10.00	<10.00	<10.00	<10.00	<10.00
9. Carbon Disulfide	<100.00	<100.00	<100.00	<100.00	<100.00
10. Methylene Chloride	<10.00	<10.00	<10.00	<10.00	<10.00
11. trans-1,2-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
12. 1,1-Dichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
13. Vinyl Acetate	<50.00	<50.00	<50.00	<50.00	<50.00
14. Cis-1,2-Dichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
15. 2-Butanone	<100.00	<100.00	<100.00	<100.00	<100.00
16. Bromochloromethane	<5.00	<5.00	<5.00	<5.00	<5.00
17. Chloroform	9.80	26.20	37.70	<5.00	25.50
18. 1,1,1-Trichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
19. Carbon Tetrachloride	<10.00	<10.00	<10.00	<10.00	<10.00
20. Benzene	<5.00	<5.00	<5.00	<5.00	<5.00
21. 1,2-Dichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
22. Trichloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
23. 1,2-Dichloropropane	<5.00	<5.00	<5.00	<5.00	<5.00
24. Bromodichloromethane	<5.00	<5.00	<5.00	<5.00	<5.00
25. Cis-1,3-Dichloropropene	<10.00	<10.00	<10.00	<10.00	<10.00
26. 4-Methyl-2-Pentanone	<100.00	<100.00	<100.00	<100.00	<100.00
27. Toluene	<5.00	<5.00	<5.00	<5.00	<5.00
28. trans-1,3-Dichloropropene	<10.00	<10.00	<10.00	<10.00	<10.00
29. 1,1,2-Trichloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
30. Tetrachloroethene	<5.00	<5.00	<5.00	<5.00	<5.00
31. 2-Hexanone	<50.00	<50.00	<50.00	<50.00	<50.00
32. Dibromochloromethane	<5.00	<5.00	<5.00	<5.00	<5.00
33. 1,2-Dibromomethane	<5.00	<5.00	<5.00	<5.00	<5.00
34. Chlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
35. 1,1,1,2-Tetrachloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
36. Ethylbenzene	<5.00	<5.00	<5.00	<5.00	<5.00
37. Xylenes	<5.00	<5.00	<5.00	<5.00	<5.00
38. Dibromomethane	<10.00	<10.00	<10.00	<10.00	<10.00
39. Styrene	<10.00	<10.00	<10.00	<10.00	<10.00
40. Bromoform	<5.00	<5.00	<5.00	<5.00	<5.00
41. 1,1,2,2-Tetrachloroethane	<5.00	<5.00	<5.00	<5.00	<5.00
42. 1,2,3-Trichloropropane	<15.00	<15.00	<15.00	<15.00	<15.00
43. 1,4-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
44. 1,2-Dichlorobenzene	<5.00	<5.00	<5.00	<5.00	<5.00
45. 1,2-Dibromo-3-Chloropropane	<25.00	<25.00	<25.00	<25.00	<25.00
46. Acrylonitrile	<200.00	<200.00	<200.00	<200.00	<200.00
47. trans-1,4-Dichloro-2-Butene	<100.00	<100.00	<100.00	<100.00	<100.00

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/09/06
DATE REPORTED: 12/28/06

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l — Date Analyzed:	11/20/06 MW-24	11/20/06 MW-31	11/21/06 MW-31D	11/21/06 MW-32	11/21/06 TB-1A
48. Acrolein	<100.00	<100.00	<100.00	<100.00	<100.00
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	<5.00	<5.00	<5.00	<5.00	<5.00
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. Hexachlorobutadine	<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	<100.00	<100.00	<100.00	<100.00	<100.00

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

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

CHAIN OF CUSTODY RECORD

CLIENT: 6062 B **Week:** 48

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	Cyanide	Metals	Sulfide	Conductivity	Temperature	Field Parameter	EPA 8270C	EPA 8081A	8081A Duplicate	8260B App. II	8260 App. II 1	8260 App. II 2	8151A Landfill		
CHLORINE NEUTRALIZED AT COLLECTION																					
pH CHECK (LAB)							>12	<2	7.9							<2	<2	<2			
CONTAINER TYPE, P/G						P	P	P	P	P	P		G	G	G	G	G	G	G		
CHEMICAL PRESERVATION						A	D	B	F D	A	A		A	A	A	E	E	E	A		
MW-24	11 09 06	1055		16	10	G	G	G	G	G	G	G	G	G	G	G	G	G	G		
~~MW-29D~~					9																
~~MW-30~~	11 09 06				9	G	G	G	G	G	G	G	G	G	G	G	G		G		
MW-31	11 09 06	1445		19	9	G	G	G	G	G	G	G	G	G	G	G	G		G		
MW-31D	11 09 06	1430		20	9	G	G	G	G	G	G	G	G	G	G	G	G		G		
MW-32	11 09 06	1550		18	9	G	G	G	G	G	G	G	G	G	G	G	G		G		
TB-1A	11 09 06	1550		17	10	G	G	G	G	G	G	G	G	G	G	G	G		G		
~~TB-1AD~~					10																

PARAMETERS

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

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

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY: Y N

SAMPLES COLLECTED BY: (Please Print) [illegible]

SAMPLES RECEIVED IN LAB AT 10 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
[illegible]	11 09 06	[illegible]	11/09/06 8:00
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:
W-29D
W-30 WILL BE
W-TB1AD DONE 11-10-06

Instructions for completing this form are on the reverse side.

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

FORM #5

Environment 1, Incorporated

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

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

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6062 C

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

DATE COLLECTED: 11/09/06
DATE REPORTED : 11/28/06

REVIEWED BY:

PARAMETERS	SW-2	SW-3	Analysis Date	Analyst	Method Code
PH (field measurement), Units	6.7	6.9	11/09/06	RJH	EPA150.1
Antimony, mg/l	<0.030	<0.030	11/17/06	LFJ	EPA200.8
Arsenic, mg/l	<0.010	<0.010	11/17/06	LFJ	EPA200.8
Barium, mg/l	<0.500	<0.500	11/17/06	LFJ	EPA200.8
Beryllium, mg/l	<0.002	<0.002	11/17/06	LFJ	EPA200.8
Cadmium, mg/l	<0.001	<0.001	11/17/06	LFJ	EPA200.8
Cobalt, mg/l	<0.010	<0.010	11/17/06	LFJ	EPA200.8
Copper, mg/l	<0.200	<0.200	11/17/06	LFJ	EPA200.8
Total Chromium, mg/l	<0.010	<0.010	11/17/06	LFJ	EPA200.8
Lead, mg/l	<0.010	<0.010	11/17/06	LFJ	EPA200.8
Nickel, mg/l	<0.050	<0.050	11/17/06	LFJ	EPA200.8
Selenium, mg/l	<0.020	<0.020	11/17/06	LFJ	EPA200.8
Silver, mg/l	<0.010	<0.010	11/17/06	LFJ	EPA200.8
Thallium, mg/l	<0.010	<0.010	11/17/06	LFJ	EPA200.8
Vanadium, mg/l	<0.040	<0.040	11/17/06	LFJ	EPA200.8
Zinc, mg/l	<0.050	<0.050	11/17/06	LFJ	EPA200.8
Conductivity (at 25c), uMhos	124	121	11/09/06	RJH	SM2510B
Temperature, °C	17	16	11/09/06	RJH	SM2550B

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: 11/09/06
DATE ANALYZED: 11/18/06
DATE REPORTED: 11/28/06

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	SW-2	SW-3
1. Chloromethane	<10.00	<10.00
2. Vinyl Chloride	<10.00	<10.00
3. Bromomethane	<10.00	<10.00
4. Chloroethane	<10.00	<10.00
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	<10.00	<10.00
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	<5.00	<5.00
17. Chloroform	<5.00	<5.00
18. 1,1,1-Trichloroethane	<5.00	<5.00
19. Carbon Tetrachloride	<10.00	<10.00
20. Benzene	<5.00	<5.00
21. 1,2-Dichloroethane	<5.00	<5.00
22. Trichloroethene	<5.00	<5.00
23. 1,2-Dichloropropane	<5.00	<5.00
24. Bromodichloromethane	<5.00	<5.00
25. Cis-1,3-Dichloropropene	<10.00	<10.00
26. 4-Methyl-2-Pentanone	<100.00	<100.00
27. Toluene	<5.00	<5.00
28. trans-1,3-Dichloropropene	<10.00	<10.00
29. 1,1,2-Trichloroethane	<5.00	<5.00
30. Tetrachloroethene	<5.00	<5.00
31. 2-Hexanone	<50.00	<50.00
32. Dibromochloromethane	<5.00	<5.00
33. 1,2-Dibromoethane	<5.00	<5.00
34. Chlorobenzene	<5.00	<5.00
35. 1,1,1,2-Tetrachloroethane	<5.00	<5.00
36. Ethylbenzene	<5.00	<5.00
37. Xylenes	<5.00	<5.00
38. Dibromomethane	<10.00	<10.00
39. Styrene	<10.00	<10.00
40. Bromoform	<5.00	<5.00
41. 1,1,2,2-Tetrachloroethane	<5.00	<5.00
42. 1,2,3-Trichloropropane	<15.00	<15.00
43. 1,4-Dichlorobenzene	<5.00	<5.00
44. 1,2-Dichlorobenzene	<5.00	<5.00
45. 1,2-Dibromo-3-Chloropropane	<25.00	<25.00
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: 48**

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
SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Field pH	Metals	Conductivity	Temperature	EPA 8260B	8260 Dup. 1	8260 Dup. 2										
							6			6,2	6,2	6,2										
						P	P	P	P	G	G	G										
						A	B	A	A	E	E	E										
SW-2	11 0906	1615		17	4	G	G	G	G	G	G											
SW-3	11 0906	1530		16	5	G	G	G	G	G	G	G										

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

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

CHAIN OF CUSTODY MAINTAINED DURING SHIPMENT/DELIVERY
Y N

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

SAMPLES RECEIVED IN LAB AT 1.0 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob H Bove	11 0906	Martha Lach	11/10/06 8:10
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.

FORM #5

Environment 1, Incorporated

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

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

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6062 X

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

DATE COLLECTED: 11/09/06
DATE REPORTED : 11/30/06

REVIEWED BY:

PARAMETERS	MW-5	MW-6	MW-8	MW-9	MW-10	Analysis Date	Analyst	Method Code
BOD, mg/l	6.1	<2.0	<2.0	3.6	22	11/10/06	SMA	SM5210B
COD, mg/l	15	64	12	47	54	11/10/06	TRB	HACH8000
Nitrate Nitrogen, mg/l	<0.04	<0.04	0.15	<0.04	0.13	11/10/06	JKD	EPA353.2
Total Organic Carbon, mg/l	6.03	22.28	1.62	4.44	16.36	11/13/06	SEJ	EPA415.1
Total Alkalinity, mg/l	418	433	57	289	76	11/10/06	TRB	SM2320B
Chloride, mg/l	7	187				11/10/06	ACM	SM4500-CLB
Chloride, mg/l			11	32	2	11/13/06	ACM	SM4500-CLB
Turbidity, NTU	700	290	1500	240	70	11/10/06	ACM	SM2130B
Sulfate, mg/l	<5.0	14.5	<5.0	<5.0	8.0	11/14/06	TRB	EPA375.4
Sulfide, mg/l	<1	<1	<1	<1	<1	11/10/06	LFJ	SM4500-S2D
Dissolved Oxygen, mg/l	0.21	0.25	0.34	0.58	0.34	11/08/06	RJH	SM4500OG
Iron, Ferrous, ug/l	36656	531	210	12574	246	11/13/06	TRB	SM3500-FED
Carbon Dioxide, mg/l	400	890	125	420	324	11/10/06	TRB	SM4500CO2C
ORP, mv	-53	142	157	-31	173	11/08/06	RJH	SM2580B

Environment 1, Incorporated

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

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

Drinking Water ID: 37715
Wastewater ID: 10

ID#: 6062 X

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

DATE COLLECTED: 11/09/06
DATE REPORTED : 11/30/06

REVIEWED BY:

PARAMETERS	MW-24	TB-1A	Analysis Date	Analyst	Method Code
BOD, mg/l	<2.0	<2.0	11/10/06	SMA	SM5210B
COD, mg/l	<10	<10	11/10/06	TRB	HACH8000
Nitrate Nitrogen, mg/l	0.21	0.39	11/10/06	JKD	EPA353.2
Total Organic Carbon, mg/l	1.50	1.30	11/13/06	SEJ	EPA415.1
Total Alkalinity, mg/l	50	31	11/10/06	TRB	SM2320B
Chloride, mg/l	6	20	11/13/06	ACM	SM4500-CLB
Turbidity, NTU	2100	500	11/10/06	ACM	SM2130B
Sulfate, mg/l	6.2	<5.0	11/14/06	TRB	EPA375.4
Sulfide, mg/l	<1	<1	11/10/06	LFJ	SM4500-S2D
Dissolved Oxygen, mg/l	2.71	0.78	11/08/06	RJH	SM4500OG
Iron, Ferrous, ug/l	44563	458	11/13/06	TRB	SM3500-FED
Carbon Dioxide, mg/l	125	73	11/10/06	TRB	SM4500CO2C
ORP, mv	212	108	11/08/06	RJH	SM2580B

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: MAO
DATE COLLECTED: 11/09/06
DATE ANALYZED: 11/22/06
DATE REPORTED: 11/30/06

REVIEWED BY:

DISSOLVED GASSES
EPA 3810

PARAMETERS, ug/l	MW-5	MW-6	MW-8	MW-9	MW-10
1. Methane (Maximum Dissolved)	3100.00	2000.00	160.00	3600.00	2800.00
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

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: 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: MAO
DATE COLLECTED: 11/09/06
DATE ANALYZED: 11/22/06
DATE REPORTED: 11/30/06

REVIEWED BY:

DISSOLVED GASSES
EPA 3810

PARAMETERS, ug/l	MW-24	TB-1A
1. Methane (Maximum Dissolved)	<7.20	<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:** 48

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	BOD	COD	Nitrate	TOC	Alkalinity	Chloride	Turbidity	Sulfate	Sulfide	DO	Ferrous Iron	Methane +	Methane Dup.	CO2	ORP
CHLORINE NEUTRALIZED AT COLLECTION																				
pH CHECK (LAB)							4		4					24						
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
MW-5	11 09 06	1325		19	14	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
MW-6	11 09 06	1415		19	14	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
MW-8	11 09 06	1145		18	14	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
MW-9	11 09 06	0850		17	14	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
MW-10	11 09 06	0845		17	14	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
MW-24	11 09 06	1055		16	14	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
TB-1A	11 09 06	1550		17	14	G	G	G	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
- [x] SOLID WASTE SECTION

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

SAMPLES COLLECTED BY: (Please Print) Hope Fox

SAMPLES RECEIVED IN LAB AT 1.0 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob Hope	11 09 06	[illegible]	11/10/06 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.

FORM #5

Microseeps Lab. Proj. # P060117

CHAIN - OF - CUSTODY RECORD

Microseeps COC cont. #

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

Company : ENVIRONMENT 1

Co. Address : 114 OAKMOUNT DR, GREENVILLE NC

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

Proj. Manager : STEVE JINNOTT

Proj. Name/Number : NORTH WARE UNLINED (L062)

Sampler's signature :

Cooler Temp.

Results to : ENVIRONMENT 1, PO BOX 7087, GREENVILLE NC 27835

Invoice to : SAME AS ABOVE

Sample ID	Sample Description	Sample Type Water	Vapor	Solid	Date	Time	# bottles	HYDROGEN	Remarks :
TB1A	WELL TB1A		✓		11/10/06		1	X	
MW6	WELL MW6		✓				1	X	
MW8	WELL MW8		✓				1	X	

Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
[illegible]	ENVIRONMENT 1	11/10/06	9:00AM	[illegible]	MCSD	11/14/6	
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

microseeps
from insight comes solutions

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

Page: Page 1 of 8
Lab Proj #: P0611217
Report Date: 11/22/06
Client Proj Name: North Wake Unlined
Client Proj #: 6062

Laboratory Results

Total pages in data package: 10

Lab Sample #	Client Sample ID
P0611217-01	TB1A
P0611217-02	MW5
P0611217-03	MW6
P0611217-04	MW8
P0611217-05	MW9
P0611217-06	MW10
P0611217-07	MW24

Microseeps test results meet all the requirements of the NELAC standards.

Approved By: Char Washlash

The analytical results reported here are reliable and usable to the precision expressed in this report. As required by some regulating authorities, a full discussion of the uncertainty in our analytical results can be obtained at our web site or through customer service. Unless otherwise specified, all results are reported on a wet weight basis.

As a valued client we would appreciate your comments on our service.
Please call customer service at (412)826-5245 or email customerservice@microseeps.com.

Case Narrative: The percent recoveries on the batch MS/MSD for acetic, lactic and propionic acids are out of criteria due to the high sample concentration.

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

Lab Proj #: P0611217
Report Date: 11/22/06
Client Proj Name: North Wake Unlined
Client Proj #: 6062

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
TB1A	Vapor	P0611217-01	10 Nov. 06	14 Nov. 06 12:37

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N Hydrogen	1.300	0.600	nM	AM20GAX	11/20/06	sl
SemiVolatiles						
N Acetic Acid	0.13	0.07	mg/L	AM23G	11/21/06	jb
N Butyric Acid	<0.07	0.07	mg/L	AM23G	11/21/06	jb
N Hexanoic Acid	<0.10	0.10	mg/L	AM23G	11/21/06	jb
N i-Hexanoic Acid	<0.10	0.10	mg/L	AM23G	11/21/06	jb
N i-Pentanoic Acid	<0.07	0.07	mg/L	AM23G	11/21/06	jb
N Lactic Acid and HIBA	<0.10	0.10	mg/L	AM23G	11/21/06	jb
N Pentanoic Acid	<0.07	0.07	mg/L	AM23G	11/21/06	jb
N Propionic Acid	<0.07	0.07	mg/L	AM23G	11/21/06	jb
N Pyruvic Acid	<0.07	0.07	mg/L	AM23G	11/21/06	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 #: P0611217
Report Date: 11/22/06
Client Proj Name: North Wake Unlined
Client Proj #: 6062

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MW5	Water	P0611217-02	08 Nov. 06	14 Nov. 06 12:37

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles						
N Acetic Acid	0.13	0.07	mg/L	AM23G	11/22/06	jb
N Butyric Acid	<0.07	0.07	mg/L	AM23G	11/22/06	jb
N Hexanoic Acid	<0.10	0.10	mg/L	AM23G	11/22/06	jb
N i-Hexanoic Acid	<0.10	0.10	mg/L	AM23G	11/22/06	jb
N i-Pentanoic Acid	<0.07	0.07	mg/L	AM23G	11/22/06	jb
N Lactic Acid and HIBA	0.13	0.10	mg/L	AM23G	11/22/06	jb
N Pentanoic Acid	<0.07	0.07	mg/L	AM23G	11/22/06	jb
N Propionic Acid	<0.07	0.07	mg/L	AM23G	11/22/06	jb
N Pyruvic Acid	0.13	0.07	mg/L	AM23G	11/22/06	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 #: P0611217
Report Date: 11/22/06
Client Proj Name: North Wake Unlined
Client Proj #: 6062

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MW6	Vapor	P0611217-03	10 Nov. 06	14 Nov. 06 12:37

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N Hydrogen	1.600	0.600	nM	AM20GAX	11/20/06	sl
SemiVolatiles						
N Acetic Acid	0.13	0.07	mg/L	AM23G	11/22/06	jb
N Butyric Acid	<0.07	0.07	mg/L	AM23G	11/22/06	jb
N Hexanoic Acid	0.21	0.10	mg/L	AM23G	11/22/06	jb
N i-Hexanoic Acid	<0.10	0.10	mg/L	AM23G	11/22/06	jb
N i-Pentanoic Acid	0.11	0.07	mg/L	AM23G	11/22/06	jb
N Lactic Acid and HIBA	0.14	0.10	mg/L	AM23G	11/22/06	jb
N Pentanoic Acid	<0.07	0.07	mg/L	AM23G	11/22/06	jb
N Propionic Acid	<0.07	0.07	mg/L	AM23G	11/22/06	jb
N Pyruvic Acid	0.30	0.07	mg/L	AM23G	11/22/06	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 #: P0611217
Report Date: 11/22/06
Client Proj Name: North Wake Unlined
Client Proj #: 6062

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MW8	Vapor	P0611217-04	10 Nov. 06	14 Nov. 06 12:37

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N Hydrogen	1.500	0.600	nM	AM20GAX	11/20/06	sl
SemiVolatiles						
N Acetic Acid	0.10	0.07	mg/L	AM23G	11/22/06	jb
N Butyric Acid	<0.07	0.07	mg/L	AM23G	11/22/06	jb
N Hexanoic Acid	<0.10	0.10	mg/L	AM23G	11/22/06	jb
N i-Hexanoic Acid	<0.10	0.10	mg/L	AM23G	11/22/06	jb
N i-Pentanoic Acid	<0.07	0.07	mg/L	AM23G	11/22/06	jb
N Lactic Acid and HIBA	<0.10	0.10	mg/L	AM23G	11/22/06	jb
N Pentanoic Acid	<0.07	0.07	mg/L	AM23G	11/22/06	jb
N Propionic Acid	<0.07	0.07	mg/L	AM23G	11/22/06	jb
N Pyruvic Acid	<0.07	0.07	mg/L	AM23G	11/22/06	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 #: P0611217
Report Date: 11/22/06
Client Proj Name: North Wake Unlined
Client Proj #: 6062

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MW9	Water	P0611217-05	08 Nov. 06	14 Nov. 06 12:37

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles						
N Acetic Acid	0.13	0.07	mg/L	AM23G	11/22/06	jb
N Butyric Acid	<0.07	0.07	mg/L	AM23G	11/22/06	jb
N Hexanoic Acid	<0.10	0.10	mg/L	AM23G	11/22/06	jb
N i-Hexanoic Acid	<0.10	0.10	mg/L	AM23G	11/22/06	jb
N i-Pentanoic Acid	<0.07	0.07	mg/L	AM23G	11/22/06	jb
N Lactic Acid and HIBA	0.14	0.10	mg/L	AM23G	11/22/06	jb
N Pentanoic Acid	<0.07	0.07	mg/L	AM23G	11/22/06	jb
N Propionic Acid	<0.07	0.07	mg/L	AM23G	11/22/06	jb
N Pyruvic Acid	0.13	0.07	mg/L	AM23G	11/22/06	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 #: P0611217
Report Date: 11/22/06
Client Proj Name: North Wake Unlined
Client Proj #: 6062

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MW10	Water	P0611217-06	08 Nov. 06	14 Nov. 06 12:37

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles						
N Acetic Acid	0.12	0.07	mg/L	AM23G	11/22/06	jb
N Butyric Acid	<0.07	0.07	mg/L	AM23G	11/22/06	jb
N Hexanoic Acid	<0.10	0.10	mg/L	AM23G	11/22/06	jb
N i-Hexanoic Acid	<0.10	0.10	mg/L	AM23G	11/22/06	jb
N i-Pentanoic Acid	<0.07	0.07	mg/L	AM23G	11/22/06	jb
N Lactic Acid and HIBA	0.11	0.10	mg/L	AM23G	11/22/06	jb
N Pentanoic Acid	<0.07	0.07	mg/L	AM23G	11/22/06	jb
N Propionic Acid	<0.07	0.07	mg/L	AM23G	11/22/06	jb
N Pyruvic Acid	0.11	0.07	mg/L	AM23G	11/22/06	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 #: P0611217
Report Date: 11/22/06
Client Proj Name: North Wake Unlined
Client Proj #: 6062

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MW24	Water	P0611217-07	08 Nov. 06	14 Nov. 06 12:37

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
SemiVolatiles						
N Acetic Acid	0.12	0.07	mg/L	AM23G	11/22/06	jb
N Butyric Acid	<0.07	0.07	mg/L	AM23G	11/22/06	jb
N Hexanoic Acid	0.11	0.10	mg/L	AM23G	11/22/06	jb
N i-Hexanoic Acid	<0.10	0.10	mg/L	AM23G	11/22/06	jb
N i-Pentanoic Acid	<0.07	0.07	mg/L	AM23G	11/22/06	jb
N Lactic Acid and HIBA	0.11	0.10	mg/L	AM23G	11/22/06	jb
N Pentanoic Acid	<0.07	0.07	mg/L	AM23G	11/22/06	jb
N Propionic Acid	<0.07	0.07	mg/L	AM23G	11/22/06	jb
N Pyruvic Acid	<0.07	0.07	mg/L	AM23G	11/22/06	jb

N - NELAC certified analysis

Microseeps Lab. Proj. # 06-11617

CHAIN - OF - CUSTODY RECORD

Microseeps COC cont. #

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

Company : ENVIRONMENT 1

Co. Address : 114 OAKMONT DR, GREENVILLE NC

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

Proj. Manager : STEVE JONES

Proj. Name/Number : NORTH WAKE UNLINED (6062)

Sampler's signature :

Cooler Temp.

Results to : ENVIRONMENT 1, PO BOX 7065, GREENVILLE, NC 27835

Invoice to : SAME

Parameters Requested: LEAD LEVEL VFA

Sample ID	Sample Description	Sample Type: Water	Vapor	Solid	Date	Time	# bottles	Remarks
TB1A	WELL TB1A	✓			11/19/06		2	
MW5	WELL MW5	✓					2	
MW6	WELL MW6	✓					2	
MW8	WELL MW8	✓					2	
MW9	WELL MW9	✓					2	
MW10	WELL MW10	✓					2	
MW24	WELL MW24	✓			↓		2	

Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
[illegible]	ENVIRONMENT 1	11/20/06	900AM	[illegible]	TTC	11/14/6	
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

Microseeps Lab. Proj. # VOC11C17

CHAIN - OF - CUSTODY RECORD

Microseeps COC cont. #

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

Company : ENVIRONMENT 1

Co. Address : 114 OAKMONT DR, GREENVILLE NC

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

Proj. Manager : STEVE JONES

Proj. Name/Number : NORTH WAKE UNLINED (6062)

Sampler's signature :

Cooler Temp.

Results to : ENVIRONMENT 1 PO BOX 7085 GREENVILLE NC 27835

Invoice to : SAME

Sample ID	Sample Description	Sample Type: Water	Vapor	Solid	Date	Time	# bottles	LOW LEVEL VOCs	Remarks :
TB1A	NOL TB1A	✓			11/13/06		2	X	
MW 5	NOL MW5	✓					2	X	
MW 6	NOL MW6	✓					2	X	
MW 8	NOL MW8	✓					2	X	
MW 9	NOL MW9	✓					2	X	
MW10	NOL MW10	✓					2	X	
MW24	NOL MW24	✓			↓		2	X	

Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
[illegible]	ENVIRONMENT 1	11/15/06	900AM	[illegible]	TTC	11/14/6	
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