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

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

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

Instructions:

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

Solid Waste Monitoring Data Submittal Information

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

David Garrett & Associates

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

Name: David Garrett, PG, PE Phone: 919-418-4375

E-mail: davidgarrettpgpe@gmail.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
C&D Landfill, Inc. Phases 1 & 2	802 Recycling Lane Greenville, NC 27834	7407-CDLF-2001	.0500	May 14, 2012

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.

G. David Garrett — Facility Engineer — 919-418-4375

Facility Representative Name (Print) — Title — (Area Code) Telephone Number

Digitally signed by David Garrett
DN: cn=David Garrett, o, ou, email=davidgarrettpgpe@gmail.com, c=US
Date: 2013.07.15 22:45:42 -04'00'

July 15, 2013

Signature — Date

Affix NC Licensed/ Professional Geologist Seal

5105 Harbour Towne Drive, Raleigh, NC 27604

Facility Representative Address

NORTH CAROLINA PROFESSIONAL SEAL ENGINEER DAVID GARRETT

Digitally signed by DG Engineering Seal
DN: cn=DG Engineering Seal, o, ou, email=davidgarrettpgpe@gmail.com, c=US
Date: 2013.07.15 22:59:51 -04'00'

NC PE Firm License Number (if applicable effective May 1, 2009)

Revised 6/2009

David Garrett & Associates
Engineering and Geology

July 12, 2013

Ms. Jackie Drummond
NC Division of Waste Management
Solid Waste Section
Mail Service Center 1646
Raleigh, NC 27699-1646

RE: Water Quality Monitoring Report for May 2012
Phase 1 Assessment and Phase 2 Detection Monitoring
C&D Landfill, Inc. (Pitt County, North Carolina)
Permit #74-07

Dear Ms. Drummond:

On behalf of C&D Landfill, Inc., I am pleased to present this report of the semi-annual water quality monitoring event conducted on May 15, 2012. This event included only the shallow wells:

- For Phase 1 – MW-1s (background), MW-2s, MW-4, MW-5, MW-6, and MW-7 (detection)
- For Phase 1 – MW-3s, MW-3A, and MW-8 (detection and assessment)
- For Phase 2 – MW-9A (background), MW-10, MW-11, MW-12s, MW-13, and MW-14 (detection sampling only)

Surface water sampling included:

- For Phase 1 – SW-1, SW-2, SW-3, and SW-4 (detection)
- For Phase 2 – SW-2, SW-4 (background)

At each location, field parameters were measured and recorded. Samples were preserved and returned to the laboratory. The sampling and analysis was conducted by Environment-1, Inc., in accordance with the Division of Waste Management-approved **Sampling and Analysis Plan** dated May 2008 (Rev. 3), and the **Ground Water Assessment Work Plan** dated June 2009, both prepared by David Garrett & Associates.

5105 Harbour Towne Drive •Raleigh • North Carolina • 27604
919-418-4375 (Mobile) • E-mail: david@davidgarrettpe.com

Sampling locations are depicted, relative to the waste boundaries, water features, other landmarks, and potentiometric contours representing ground water flow conditions, on **Drawing MP-1**. Summarized well construction specifications, water level data, and field parameters for the sampling event are presented on **Table 1**. Historic groundwater quality data for the past five years is presented on **Table 2**. Separate tables were prepared for the two phases.

General Observations

Ground water depths and flow directions indicated by the potentiometric contours in **Drawing MP-1** are within the range of expected values, based on historic data, albeit the water levels during this sampling event were somewhat low as a result of incumbent climate conditions.

Ground water flow is directed toward the south and southwest, where there are no identified ground water users, and rather flat gradients, extending through marshy areas leading to the Tar River.

Key Observations – Phase 1

Turbidity values range from 11 ntu (MW-5) to 14 ntu (MW-1s) to 450 ntu (MW-8); the higher values were observed at MW-3s (280 ntu) and MW-8; historically the high turbidity has been known to affect the detected concentrations of inorganic constituents and perhaps organic constituents, as well, since many of the organic compounds tend to cling to soil particles.

Values of temperature and conductivity are within the expected range of values, based on historic data; the ground water is somewhat briny (variable but generally high levels of dissolved salts), which is suspected to affect conductivity measurements, although the dissolved constituents and ionic salts are typically not monitored.

Inorganic and organic Appendix I constituents detected at Phase 1 monitoring wells and surface water samples are within the expected range of parameters, based on the historic data, if not lower than peak levels observed at various times for most constituents.

The only inorganic constituents found above the 2L standard with any consistency have been cobalt and vanadium, both of which have been detected widely in the sampling network and in both the background well (MW-1s) and background surface water location (SW-1).

Organic constituents show randomly throughout the monitoring data; however, the only consistent data (indicating a possible chronic presence of those constituents) include benzene at MW-3s and MW-3A, and MW-8.

To date, all detected concentrations of benzene, which triggered the assessment monitoring sampling requirement beginning in January 2010, are all below the 2L standard (1.0 ug/l), except for this sampling event at MW-8, where a value of 1.1 ug/l was detected.

Of the inorganic assessment parameters (highlighted in Table 2), only mercury (MW-3s), sulfide (MW-3s) and tin (MW-8) have ever been detected (at values well below the applicable 2L standards); during this event the only detections are mercury, sulfide and tin at MW-3s, mercury and tin at MW-3A, and mercury at MW-8 (all below the applicable 2L standards).

From the Appendix II organic list, only two pesticides, Dinoseb and Silvex, have been detected at trace values (below the applicable 2L standards) during past sampling events at MW-3s, but these constituents were not detected during this event. Also from the Appendix II list, only two additional pesticides, 2,4-D and 2,4,5-T, were detected at trace values (below the applicable 2L standards) at MW-8, but during previous events these constituents were not detected.

Monitoring of the stream location SW-1 has shown trace amounts of methyl-ethyl-ketone (MEK) and methylene chloride (one event each in 2007) and toluene (two events 2010 and November 2011); SW-2 has shown trace amounts of acetone, MEK and chloromethane (four events during 2007-08) and one detect of toluene (during November 2011); SW-3 has shown trace amounts of acetone (during three events during 2007-08) and one detect of toluene (during November 2011).

Sampling for tetrahydrofuran indicated concentrations at all well locations ranging from 1.40 ug/l (MW-4) to 6.40 ug/l (MW-7); the data indicate 1.80 ug/l at the background well (MW-1s); MW-1d has been out of commission since sampling began for this constituent. No tetrahydrofuran was detected at the surface sampling locations.

Key Observations – Phase 2

Turbidity values were not acquired at the Phase 2 sampling locations – this will be corrected in future sampling events; values of temperature and conductivity are with the expected range of values; no clear trends associated with the field parameters with analytical data has been discerned.

Inorganic and organic Appendix I constituents detected at Phase 2 monitoring wells and surface water samples are within the expected range of parameters, except arsenic and barium; no distinct trends are observed, but some of the inorganic constituents might be gradually increasing with time.

The only inorganic constituent found above the 2L standard with any consistency has been vanadium, which has been detected widely in the sampling network and in both the background well (MW-9A) and surface water location (SW-4). Cobalt is present, intermittently above and below the 2L standard, at all other locations.

Arsenic was detected at 24 ug/l, above the 2L standard (10 ug/l), at MW-12s. Also at MW-12s, barium appears to be increasing but the values remain below the 2L standard (700 ug/l). Both have been present throughout the monitoring program (these are very common natural constituents), but the trend bears close observation.

Organic constituents typically have been detected randomly throughout the data base; none of these data show any consistency.

An exception occurs at MW-12s, where benzene (1.20 ug/l), 1,2-dichloroethane (1.10 ug/l), and vinyl chloride (0.80J ug/l) were detected above the respective 2L standards during this sampling event; prior data include 1,2-dichloroethane, cis-1,2-dichloroethene, ethylbenzene, toluene, xylene, and trichloroethene (TCE) were detected at values well below the 2L standards.

Sampling for tetrahydrofuran indicated concentrations ranging from 2.50 ug/l (at MW-12s) to 18.40 ug/l (at MW-11); none was detected at MW-9A, MW-10, MW-13, or MW-14d.

No tetrahydrofuran was detected at the surface sampling locations.

Conclusions – Detection Sampling

Sampling for inorganic constituents in surface water indicates the presence of cobalt and vanadium in the background, along with other constituents.

Detection of organics is spotty within surface water samples; some detected constituents were found in the background sampling location SW-1.

No trends can be discerned from the surface water data; the irregular pattern of detections of organic constituents suggests the possibility of sampling or laboratory anomalies.

No distinct trends are discernible in the inorganic constituents for surface water, except that vanadium and cobalt are present in the background with values that often exceed 2L standards.

The data does not indicate an impact on surface water quality due to landfill activities.

Sampling for tetrahydrofuran, which began in May 2011 as required of all C&D landfills by the Division of Waste Management, has indicated numerous detects at nearly all monitoring wells associated with Phase 1 and several with Phase 2.

There is no regulatory standard established for tetrahydrofuran, thus the implications of these results has yet to be determined.

Conclusions – Assessment Sampling

Monitoring well sampling data may indicate a ground water impact on the southwest side of Phase 1, at MW-3s, MW-3A, and MW-8; assessment monitoring was triggered by the detection of benzene at MW-3s and MW-3A.

The potential impact appears to be isolated in the vicinity of wells MW-3s, MW-3A, and MW-8; parameters of concern include a mix of inorganic and organic constituents that are slightly elevated above those observed at other sampling locations; the impact may involve MW-12s located nearby.

The ground water impact is not severe, whereas only benzene has been found with any consistency, typically at values below the 2L standard, except for this sampling event where one detect slightly above the 2L standard was observed; no clear data trends can yet be discerned.

The data does not appear to show any impact at MW-3d.

More recent data indicate trace values of four common pesticides, such as might have been used during the former agricultural activities at the site; the impact appears to originate from a drainage ditch between Phase 1 and Phase 2, but the full history of this portion of the site is unknown.

Continued monitoring of assessment parameters will emphasize close observation of benzene and the recently detected pesticides at MW-3s, MW-3A, and MW-8.

The monitoring well MW-1d will be repaired, and steps will be taken to ensure that turbidity and all of the required Appendix II parameters are sampled at each respective sampling location.

The data do not suggest the need for additional wells, sampling parameters or changes to the sampling frequency at this time. The next round of semi-annual water-quality monitoring will be conducted in November 2012.

Please contact me at your earliest convenience with questions or comments.

Sincerely,

G. David Garrett, P.G., P.E.

NORTH CAROLINA PROFESSIONAL SEAL 25482 GEOLOGIST G. DAVID GARRETT

7/8/2013

cc: Mr. Judson Whitehurst – C&D Landfill, Inc.

Attachments

Table 1
Monitoring Well and Groundwater Data
Water Quality Monitoring
May 14, 2012
C&D Landfill, Inc. Phase 1
Greenville, Pitt County, North Carolina
Permit # 74-07

Well Identity	Depth to Groundwater (Feet BTOC)	Elevation Top of PVC Well Casing (Feet MSL)	Groundwater Elevation (Feet MSL)	Field Parameters			
				Temp. C°	pH	S.C. umhos/cm	Turbidity (ntu)
MW-1s	8.87	20.91	12.04	17.0	6.2	918	14
MW-1d	NM	21.14	#VALUE!	NM	NM	NM	NM
MW-2s	11.01	21.44	10.43	17.0	5.9	1,990	75
MW-2d	NM	21.80	#VALUE!	NM	NM	NM	NM
MW-3s	12.49	23.02	10.53	18.0	6.4	1,553	280
MW-3d	NM	22.83	#VALUE!	NM	NM	NM	NM
MW-3A	11.62	21.93	10.31	17.0	6.4	1,746	80
MW-4	6.93	18.42	11.49	17.0	6.0	930	33
MW-5	6.80	17.90	11.10	17.0	6.7	1,569	190
MW-6	9.73	20.03	10.30	17.0	6.6	1,111	11
MW-7	8.61	19.40	10.79	17.0	6.3	1,471	35
MW-8	9.85	21.21	11.36	19.0	6.3	1,546	450

Notes: BGS = Below Ground Surface

NM = Not Measured
S.C. = Specific Conductance
ntu = Nephelometric Turbidity Units

Table 2
Summarized Laboratory Analytical Results for Groundwater Samples
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-1s (Background)											
	Sampling Date	11/16/07	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013
1*	Antimony	ND	ND	0.1	0.1	ND	ND	ND	0.19 J	ND	0.12 J		
10	Arsenic	ND	0.5	1.1	1.8	2.1	0.7 J	1.9 J	0.36 J	1.1 J	0.88 J		
700	Barium	62.4	27.5	62.5	26	77.4	23.5 J	56.6 J	36 J	58.7 J	68.3 J		
4*	Beryllium	0.6	1	0.7	2.6	0.2	0.5 J	0.3 J	0.16 J	0.26 J	0.19 J		
2	Cadmium	0.7	0.6	0.3	**2.3**	0.2	0.2 J	0.2 J	0.11 J	0.37 J	--- U		
10	Chromium	0.3	0.2	0.5	ND	ND	0.5 J	0.5 J	0.44 J	0.66 J	0.91 J		
1*	Cobalt	**1.5**	0.8	0.9	**1.2**	**2.5**	0.7 J	0.8 J	0.41 J	0.48 J	0.38 J		
1000	Copper	ND	1.5	1.3	0.7	0.9	0.7 J	0.5 J	1.1 J	0.89 J	0.87 J		
70	Cyanide (assassment)												
15	Lead	1.3	1.6	2.8	3.7	0.8	3.0 J	2.0 J	0.6 J	1.7 J	1.1 J		
1	Mercury (assassment)											--- U	
100	Nickel	3.3	5.2	4	2.1	1.7	3.2 J	3.9 J	1.2 J	1.4 J	2.6 J		
20	Selenium	1.9	1.9	1.6	5.2	5.2	1.0 J	1.8 J	0.46 J	1.2 J	1.7 J		
20	Silver	ND	0.2	ND	ND	0.1	0.1 J	ND	ND	ND	--- U		
NE	Sulfide (assassment)												--- U
0.28*	Thallium	ND	0.1	ND	ND	0.1	ND	ND	ND	ND	0.35 J		
2000*	Tin (assassment)											--- U	--- U
0.3*	Vanadium	**1.5**	**0.8**	**2.6**	**3.5**	**1**	**3.8 J**	**3.3 J**	**1.2 J**	**2.5 J**	**1.7 J**		
1000	Zinc	7.9	4.5	5.1	9.4	2.2	2.2 J	5.6 J	2.6 J	3.2 J	1.4 J		
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	ND	3.3	1.7	3	ND	ND	ND	ND	ND	--- U		
1	Benzene	ND	ND	ND	ND	ND	ND	0.6 J	0.3 J	ND	--- U		
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
4000	Methyl Ethyl Ketone (2-butanone)	ND	0.9	ND	24.8	ND	ND	ND	ND	ND	--- U		
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
4	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
3000	Chloroethane (Ethyl Chloride)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
3	Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	1	ND	ND	ND	ND	ND	ND	--- U		
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
5	Methylene Chloride (Dichloromethane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
600	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
500	Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
NE	Tetrahydrofuran								ND	ND	1.80	---U	--- U
7*	Dinoseb												
70	2,4-D												
NE	2,4,5-T												
50	2,4,5-TP (Silvex)												

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by *
* - denotes groundwater standard based on other criteria
Laboratory results in bold exceed NCAC 2L Standard or SWSL
ND = Not Detected above the Laboratory Reporting Limit
NE = Not Established NS = Not sampled
U = not detected above the laboratory method detection limit
J = Estimated value above laboratory method detection limit and below SWSL

Table 2
Summarized Laboratory Analytical Results for Groundwater Samples
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-1d (Background)											
	Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013
1*	Antimony	NS	0.2	NS	NS	NS	NS	NS	NS	NS	NS		
10	Arsenic	NS	0.3	NS	NS	NS	NS	NS	NS	NS	NS		
700	Barium	NS	11.1	NS	NS	NS	NS	NS	NS	NS	NS		
4*	Beryllium	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS		
2	Cadmium	NS	0.1	NS	NS	NS	NS	NS	NS	NS	NS		
10	Chromium	NS	0.3	NS	NS	NS	NS	NS	NS	NS	NS		
1*	Cobalt	NS	0.1	NS	NS	NS	NS	NS	NS	NS	NS		
1000	Copper	NS	0.4	NS	NS	NS	NS	NS	NS	NS	NS		
70	Cyanide (assassment)												
15	Lead	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS		
1	Mercury (assassment)												
100	Nickel	NS	0.9	NS	NS	NS	NS	NS	NS	NS	NS		
20	Selenium	NS	0.3	NS	NS	NS	NS	NS	NS	NS	NS		
20	Silver	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS		
NE	Sulfide (assassment)												
0.28*	Thallium	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS		
2000*	Tin (assassment)												
0.3*	Vanadium	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS		
1000	Zinc	NS	1	NS	NS	NS	NS	NS	NS	NS	NS		
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	NS	2.1	NS	NS	NS	NS	NS	NS	NS	NS		
1	Benzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
700	Carbon Disulfide	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
4000	Methyl Ethyl Ketone (2-butanone)	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS		
NE	Bromochloromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
0.6	Bromodichloromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
4	Bromoform	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
3000	Chloroethane (Ethyl Chloride)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
70	Chloroform (Trichloromethane)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
3	Chloromethane	NS	0.3	NS	NS	NS	NS	NS	NS	NS	NS		
0.4	Dibromochloromethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
70	Dibromomethane (Methylene Dibromide)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
0.4	1,2-Dichloroethane	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
600	Ethylbenzene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
5	Methylene Chloride (Dichloromethane)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
560*	4-Methyl-2-Pentanone (MIBK)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
0.7	Tetrachloroethene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
600	Toluene	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
500	Total Xylenes	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
3	Trichloroethene, (TCE) (Trichloroethylene)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
0.03	Vinyl Chloride	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		
NE	Tetrahydrofuran												
7*	Dinoseb												
70	2,4-D												
NE	2,4,5-T												
50	2,4,5-TP (Silvex)												

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by *
* - denotes groundwater standard based on other criteria
Laboratory results in bold exceed NCAC 2L Standard or SWSL
ND = Not Detected above the Laboratory Reporting Limit
NE = Not Established NS = Not sampled
U = not detected above the laboratory method detection limit
J = Estimated value above laboratory method detection limit and below SWSL

Table 2
Summarized Laboratory Analytical Results for Groundwater Samples
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-2s											
	Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013
1*	Antimony	0.4	ND	0.1	0.1	0.1	0.7 J	ND	ND	ND	0.12J		
10	Arsenic	4.2	1.3	5.6	2.2	0.8	1.7 J	5.6 J	3.1 J	0.9 J	6.1 J		
700	Barium	96.9	51.8	165	6.9	15.4	47.5 J	149	101	34.3 J	166		
4*	Beryllium	ND	0.1	ND	ND	0.9	0.1 J	0.1 J	0.1 J	0.07 J	0.17 J		
2	Cadmium	0.3	0.1	0.1	0.4	0.4	0.8 J	0.6 J	0.29 J	0.17 J	0.25 J		
10	Chromium	0.5	0.6	1.7	0.7	ND	0.7 J	0.6 J	0.62 J	0.29 J	1.7 J		
1*	Cobalt	**9.3**	**1.3**	**10**	**5.8**	0.4	**1.1 J**	**3.3 J**	**3.7 J**	**1.1 J**	**7.0 J**		
1000	Copper	NA	1	1.2	1.9	1.2	0.9 J	1.1 J	1.5 J	0.49 J	1.3 J		
70	Cyanide (assassment)												
15	Lead	ND	0.5	0.4	0.5	3.9	1.1 J	0.5 J	0.92 J	0.68 J	1.3 J		
1	Mercury (assassment)												
100	Nickel	3.6	2.1	6	1.8	3.1	1.7 J	6.2 J	3.1 J	1.2 J	4.4 J		
20	Selenium	2.3	1.2	4.8	2.5	1.9	3.5 J	ND	ND	1.3 J	13		
20	Silver	ND	0.1	ND	ND	0.2	ND	ND	ND	ND	--- U		
NE	Sulfide (assassment)												
0.28*	Thallium	0.2	0.1	0.1	ND	ND	ND	0.1 J	0.1 J	0.07 J	0.22 J		
2000*	Tin (assassment)												
0.3*	Vanadium	**0.9**	ND	**1.3**	**1.8**	**3.5**	**2.1 J**	**0.6 J**	**0.94 J**	**0.75 J**	**2.0 J**		
1000	Zinc	3.3	1.9	2.4	5	3	5.8 J	3.5 J	3.1 J	2 J	2.0 J		
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	2.2	2.7	3.4	ND	ND	ND	ND	ND	ND	--- U		
1	Benzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
700	Carbon Disulfide	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	ND	1	ND	ND	ND	ND	ND	--- U		
NE	Bromochloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.6	Bromodichloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
4	Bromoform	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
3000	Chloroethane (Ethyl Chloride)	0.4	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
70	Chloroform (Trichloromethane)	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
3	Chloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.4	Dibromochloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
70	Dibromomethane (Methylene Dibromide)	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.4	1,2-Dichloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	1.4	ND	ND	ND	ND	ND	ND	--- U		
600	Ethylbenzene	0.3	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
5	Methylene Chloride (Dichloromethane)	ND	0.2	ND	ND	ND	ND	ND	ND	ND	--- U		
560*	4-Methyl-2-Pentanone (MIBK)	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.7	Tetrachloroethene	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
600	Toluene	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
500	Total Xylenes	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
3	Trichloroethene, (TCE) (Trichloroethylene)	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.03	Vinyl Chloride	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
NE	Tetrahydrofuran								0.7 J	ND	2.40	8.50	--- U
7*	Dinoseb												
70	2,4-D												
NE	2,4,5-T												
50	2,4,5-TP (Silvex)												

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by *
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Table 2
Summarized Laboratory Analytical Results for Groundwater Samples
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-2d											
	Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013
1*	Antimony	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS		
10	Arsenic	NS	0.4	NS	1.2	ND	NS	NS	NS	0.48 J	NS		
700	Barium	NS	16	NS	1.84	16.7	NS	NS	NS	2 J	NS		
4*	Beryllium	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS		
2	Cadmium	NS	0.35	NS	**3.6**	0.1	NS	NS	NS	0.09 J	NS		
10	Chromium	NS	0.3	NS	1.7	ND	NS	NS	NS	ND	NS		
1*	Cobalt	NS	0.0001	NS	0.4	0.1	NS	NS	NS	ND	NS		
1000	Copper	NS	0.7	NS	5.5	0.7	NS	NS	NS	0.15 J	NS		
70	Cyanide (assassment)										NS		
15	Lead	NS	0.2	NS	0.7	ND	NS	NS	NS	0.06 J	NS		
1	Mercury (assassment)										NS		0.04 J
100	Nickel	NS	1.4	NS	1.7	1	NS	NS	NS	1.3 J	NS		
20	Selenium	NS	0.2	NS	ND	ND	NS	NS	NS	0.38 J	NS		
20	Silver	NS	0.1	NS	ND	0.1	NS	NS	NS	ND	NS		
NE	Sulfide (assassment)										NS	--- U	--- U
0.28*	Thallium	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS		
2000*	Tin (assassment)										NS	--- U	0.24 J
0.3*	Vanadium	NS	ND	NS	**2.6**	**0.5**	NS	NS	NS	**2 J**	NS		
1000	Zinc	NS	2.2	NS	14	0.4	NS	NS	NS	1.1 J	NS		
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	NS	2.5	NS	ND	ND	NS	NS	NS	ND	NS		
1	Benzene	NS	ND	NS	ND	ND	NS	NS	ND	ND	NS		
700	Carbon Disulfide	NS	ND	NS	ND	ND	NS	NS	ND	ND	NS		
4000	Methyl Ethyl Ketone (2-butanone)	NS	0.9	NS	ND	ND	NS	NS	NS	ND	NS		
NE	Bromochloromethane	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS		
0.6	Bromodichloromethane	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS		
4	Bromoform	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS		
3000	Chloroethane (Ethyl Chloride)	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS		
70	Chloroform (Trichloromethane)	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS		
3	Chloromethane	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS		
0.4	Dibromochloromethane	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS		
70	Dibromomethane (Methylene Dibromide)	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS		
0.4	1,2-Dichloroethane	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS		
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS		
600	Ethylbenzene	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS		
5	Methylene Chloride (Dichloromethane)	NS	0.2	NS	ND	ND	NS	NS	NS	ND	NS		
560*	4-Methyl-2-Pentanone (MIBK)	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS		
0.7	Tetrachloroethene	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS		
600	Toluene	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS		
500	Total Xylenes	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS		
3	Trichloroethene, (TCE) (Trichloroethylene)	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS		
0.03	Vinyl Chloride	NS	ND	NS	ND	ND	NS	NS	NS	ND	NS		
NE	Tetrahydrofuran								NA	ND	NS	--- U	--- U
7*	Dinoseb												
70	2,4-D												
NE	2,4,5-T												
50	2,4,5-TP (Silvex)												

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR
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Table 2
Summarized Laboratory Analytical Results for Groundwater Samples
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-3s (Assessment)											
	Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013
1*	Antimony	0.1	ND	0.1	ND	ND	ND	ND	ND	ND	0.27 J		
10	Arsenic	6.7	0.4	8.4	7	6.8	9.2 J	ND	3.8 J	4.9 J	4.2 J		
700	Barium	357	4	447	460	492	527	254	242	484.0	342.0		
4*	Beryllium	ND	ND	ND	ND	ND	ND	0.1 J	ND	ND	--- U		
2	Cadmium	0.7	1	ND	0.1	ND	0.3 J	0.1 J	0.07 J	0.12 J	0.04 J		
10	Chromium	1.2	0.2	1.4	1.6	1	2 J	1.7 J	0.76 J	1.7 J	1.0 J		
1*	Cobalt	**9.4**	0.1	**17**	**12.6**	**5.7**	**18**	**37**	**14**	**6.8 J**	**2.6 J**		
1000	Copper	1.8	0.8	1.3	1.4	1.9	1.1 J	1.1 J	1.3 J	1.5 J	0.91 J		
70	Cyanide (assessment)					ND	ND	ND	ND	ND	--- U		
15	Lead	0.1	ND	0.1	ND	0.1	0.1 J	0.1 J	0.16 J	0.42 J	0.22 J		
1	Mercury (assessment)					ND	ND	ND	ND	ND	0.09 J	0.02 J	0.03 J
100	Nickel	5.9	0.5	7.1	5.4	5.8	10.8 J	12.1 J	3.3 J	4.3 J	3.6 J		
20	Selenium	5.6	0.3	9.8	8.2	ND	11	ND	3.5 J	6.6 J	3.8 J		
20	Silver	ND	ND	0.1	ND	0.2	0.1 J	ND	ND	0.04 J	--- U		
NE	Sulfide (assessment)					ND	ND	1.38	544 J	2795.00	137 J	644 J	272 J
0.28*	Thallium	ND	ND	ND	ND	ND	ND	ND	ND	**0.24 J**	--- U		
2000*	Tin (assessment)					ND	1.5 J	0.5 J	0.23 J	0.26 J	0.15 J	0.13 J	0.24 J
0.3*	Vanadium	**1.7**	ND	**1.5**	**2.7**	**2.3**	**2 J**	**2.6 J**	**1.4 J**	**3 J**	**1.4 J**		
1000	Zinc	8	1.6	3.3	5.9	1.3	2.3 J	3.4 J	3.6 J	2.7 J	0.72 J		
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	3.3	5.6	4.5	2.1	ND	ND	ND	ND	ND	--- U		
1	Benzene	1	**1.1**	**2.1**	**1.5**	**1.3**	**3.1**	**2.1**	1	**1.1**	1		
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
4000	Methyl Ethyl Ketone (2-butanone)	ND	1.1	ND	ND	ND	ND	ND	ND	ND	--- U		
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
4	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
3000	Chloroethane (Ethyl Chloride)	0.7	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
3	Chloromethane	ND	ND	0.5	ND	ND	ND	ND	ND	ND	--- U		
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.4	1,2-Dichloroethane	0.4	0.4	**0.7**	**0.5**	0.4	**0.5**	0.3 J	ND	ND	--- U		
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	0.2	0.2	1.3	0.2	0.3	0.5 J	0.3 J	0.3 J	ND	--- U		
600	Ethylbenzene	0.4	0.3	0.3	0.2	ND	0.7 J	0.3 J	ND	ND	--- U		
5	Methylene Chloride (Dichloromethane)	0.3	0.2	ND	0.2	ND	ND	ND	ND	ND	--- U		
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
600	Toluene	0.2	0.3	0.4	0.2	ND	ND	ND	ND	ND	--- U		
500	Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	0.3 J	ND	ND	ND	--- U		
0.03	Vinyl Chloride	**0.4**	ND	**0.5**	ND	ND	ND	ND	ND	ND	--- U		
NE	Tetrahydrofuran								2.50	6.70	4.40	4.60	5.60
7*	Dinoseb					ND	ND	ND	0.821 J	ND	--- U	--- U	--- U
70	2,4-D					ND	ND	ND	ND	ND	--- U	--- U	--- U
NE	2,4,5-T					ND	ND	ND	ND	ND	--- U	--- U	--- U
50	2,4,5-TP (Silvex)					ND	0.738 J	ND	ND	ND	--- U	--- U	--- U

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C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-3d											
	Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013
1*	Antimony	ND	0.1	ND	ND	ND	NS	NS	NS	ND	NS		
10	Arsenic	0.6	7.3	0.2	0.5	0.3	NS	NS	NS	0.36 J	NS		
700	Barium	4.6	394	5	5.3	4.9	NS	NS	NS	7.6 J	NS		
4*	Beryllium	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS		
2	Cadmium	0.5	0.1	ND	0.1	0.2	NS	NS	NS	0.24 J	NS		
10	Chromium	ND	1.5	ND	ND	ND	NS	NS	NS	0.15 J	NS		
1*	Cobalt	ND	**13**	0.1	0.1	0.1	NS	NS	NS	0.05 J	NS		
1000	Copper	1.3	1.3	1.3	0.7	1	NS	NS	NS	0.52 J	NS		
70	Cyanide (assessment)												
15	Lead	0.1	0.1	0.1	ND	ND	NS	NS	NS	0.08 J	NS		
1	Mercury (assessment)											0.03 J	0.05 J
100	Nickel	1.6	7.4	0.6	0.4	0.6	NS	NS	NS	0.71 J	NS		
20	Selenium	ND	ND	0.3	0.3	ND	NS	NS	NS	ND	NS		
20	Silver	ND	0.1	0.1	ND	0.1	NS	NS	NS	ND	NS		
NE	Sulfide (assessment)											--- U	--- U
0.28*	Thallium	ND	0.1	ND	ND	ND	NS	NS	NS	ND	NS		
2000*	Tin (assessment)											0.17 J	0.44 J
0.3*	Vanadium	**0.7**	**1.1**	0.1	**1**	**0.4**	NS	NS	NS	**0.4 J**	NS		
1000	Zinc	3.6	2.6	3.3	1.6	0.5	NS	NS	NS	1.7 J	NS		
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	ND	3.5	ND	ND	ND	NS	NS	NS	ND	NS		
1	Benzene	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS		
700	Carbon Disulfide	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS		
4000	Methyl Ethyl Ketone (2-butanone)	ND	1	ND	ND	ND	NS	NS	NS	ND	NS		
NE	Bromochloromethane	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS		
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS		
4	Bromoform	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS		
3000	Chloroethane (Ethyl Chloride)	ND	0.2	ND	ND	ND	NS	NS	NS	ND	NS		
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS		
3	Chloromethane	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS		
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS		
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS		
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS		
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS		
600	Ethylbenzene	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS		
5	Methylene Chloride (Dichloromethane)	ND	0.2	ND	ND	ND	NS	NS	NS	ND	NS		
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS		
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS		
600	Toluene	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS		
500	Total Xylenes	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS		
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS		
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	NS	NS	NS	ND	NS		
NE	Tetrahydrofuran								NS	ND	NS	--- U	--- U
7*	Dinoseb					ND	NS	NS	NS	ND	NS	--- U	--- U
70	2,4-D					ND	NS	NS	NS	ND	NS	--- U	--- U
NE	2,4,5-T					ND	NS	NS	NS	ND	NS	--- U	--- U
50	2,4,5-TP (Silvex)					ND	NS	NS	NS	ND	NS	--- U	--- U

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Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-3A (Assessment)											
	Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013
1*	Antimony					ND	ND	ND	ND	ND	0.10 J		
10	Arsenic					2.6	1 J	5.4 J	0.93 J	2.2 J	2.8 J		
700	Barium					84.2	42.7 J	100	36 J	70.7 J	86.6 J		
4*	Beryllium					0.1	ND	0.1 J	ND	ND	--- U		
2	Cadmium					0.2	0.1 J	0.1 J	0.1 J	0.36 J	0.08 J		
10	Chromium					ND	0.1 J	0.3 J	0.3 J	0.67 J	1.5 J		
1*	Cobalt					**15**	**3.8 J**	**17**	**7.7 J**	**15**	**25**		
1000	Copper					1.3	4 J	0.5 J	1.1 J	0.88 J	0.85 J		
70	Cyanide (assessment)					ND	ND	ND	ND	ND	---U		
15	Lead					0.2	ND	0.2 J	0.15 J	0.17 J	0.25 J		
1	Mercury (assessment)					0.09	ND	ND	0.05 J	0.06 J	0.04 J	0.05 J	0.03 J
100	Nickel					2.6	1.5 J	6.4 J	1.6 J	3.6 J	4.8 J		
20	Selenium					2.7	1 J	8.8 J	1.1 J	2.3 J	4.3 J		
20	Silver					0.1	ND	ND	ND	ND	--- J		
NE	Sulfide (assessment)					ND	ND	ND	ND	ND	--- J	--- U	--- U
0.28*	Thallium					0.1	ND	ND	ND	0.14 J	0.10 J		
2000*	Tin (assessment)					ND	3.9 J	0.6 J	0.32 J	0.47 J	0.24 J	0.28 J	0.20 J
0.3*	Vanadium					**2.1**	**0.8 J**	**1.6 J**	**0.69 J**	**0.88 J**	**2.0 J**		
1000	Zinc					3.1	2.9 J	4.1 J	3.2 J	4.7 J	5.7 J		
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone					ND	ND	ND	ND	ND	--- U		
1	Benzene					ND	ND	0.9 J	ND	0.6 J	0.60 J		
700	Carbon Disulfide					ND	ND	ND	ND	ND	--- U		
4000	Methyl Ethyl Ketone (2-butanone)					ND	ND	ND	ND	ND	--- U		
NE	Bromochloromethane					ND	ND	ND	ND	ND	--- U		
0.6	Bromodichloromethane					ND	ND	ND	ND	ND	--- U		
4	Bromoform					ND	ND	ND	ND	ND	--- U		
3000	Chloroethane (Ethyl Chloride)					ND	ND	ND	ND	ND	--- U		
70	Chloroform (Trichloromethane)					ND	ND	ND	ND	ND	--- U		
3	Chloromethane					ND	ND	ND	ND	ND	--- U		
0.4	Dibromochloromethane					ND	ND	ND	ND	ND	--- U		
70	Dibromomethane (Methylene Dibromide)					ND	ND	ND	ND	ND	--- U		
0.4	1,2-Dichloroethane					ND	ND	ND	ND	ND	--- U		
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)					ND	ND	ND	ND	ND	--- U		
600	Ethylbenzene					ND	ND	ND	ND	ND	--- U		
5	Methylene Chloride (Dichloromethane)					ND	ND	ND	ND	ND	--- U		
560*	4-Methyl-2-Pentanone (MIBK)					ND	ND	ND	ND	ND	--- U		
0.7	Tetrachloroethene					ND	ND	ND	ND	ND	--- U		
600	Toluene					ND	ND	ND	ND	ND	--- U		
500	Total Xylenes					ND	ND	ND	ND	ND	--- U		
3	Trichloroethene, (TCE) (Trichloroethylene)					ND	ND	ND	ND	ND	--- U		
0.03	Vinyl Chloride					ND	ND	ND	ND	ND	--- U		
NE	Tetrahydrofuran								ND	3.30	5.10	3.80	2.40
7*	Dinoseb					ND	ND	ND	ND	ND	--- U	--- U	--- U
70	2,4-D					ND	ND	ND	ND	ND	--- U	--- U	--- U
NE	2,4,5-T					ND	ND	ND	ND	ND	--- U	--- U	--- U
50	2,4,5-TP (Silvex)					ND	ND	ND	ND	ND	--- U	--- U	--- U

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by *
* - denotes groundwater standard based on other criteria
Laboratory results in bold exceed NCAC 2L Standard or SWSL
ND = Not Detected above the Laboratory Reporting Limit
NE = Not Established NS = Not sampled
U = not detected above the laboratory method detection limit
J = Estimated value above laboratory method detection limit and below SWSL

Table 2
Summarized Laboratory Analytical Results for Groundwater Samples
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-4											
	Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013
1*	Antimony	ND	0.1	0.1	0.7	ND	ND	ND	ND	ND	0.15 J		
10	Arsenic	1.3	1	0.3	2.8	2.8	2.6 J	2.3 J	1.6 J	1.9 J	2.9 J		
700	Barium	207	203	196	266	165	202	141	174	183	278		
4*	Beryllium	0.8	0.4	0.2	0.9	1	0.8 J	0.7 J	0.57 J	0.65 J	0.50 J		
2	Cadmium	0.5	0.2	0.3	0.9	0.3	1.2	0.5 J	0.35 J	0.43 J	0.16 J		
10	Chromium	2.7	1.2	1	2.1	2.8	2.1 J	3.1 J	3 J	3.7 J	5.7 J		
1*	Cobalt	1	1	0.4	**1.3**	0.9	0.9 J	**1.1 J**	0.58 J	0.76 J	0.63 J		
1000	Copper	2.3	0.7	0.9	1.8	1.8	1.4 J	1.3 J	1.9 J	1.1 J	1.8 J		
70	Cyanide (assassment)												
15	Lead	7.2	4.8	3.4	11	14	6.3 J	6.4 J	4.8 J	7.3 J	7.6 J		
1	Mercury (assassment)												
100	Nickel	2.7	2.3	1.7	1.2	2.1	2 J	2.1 J	1.4 J	1.8 J	1.7 J		
20	Selenium	ND	0.9	ND	0.5	0.2	1.1 J	0.7 J	0.73 J	0.61 J	1.6 J		
20	Silver	ND	0.1	ND	0.1	0.1	0.1 J	ND	ND	ND	--- U		
NE	Sulfide (assassment)												
0.28*	Thallium	ND	0.1	ND	ND	0.1	0.1 J	0.1 J	0.03 J	0.05 J	--- U		
2000*	Tin (assassment)												
0.3*	Vanadium	**6.9**	**3.4**	**3.1**	**10**	**11.4**	**8.3 J**	**9.4 J**	**7.5 J**	**8.5 J**	**7.2 J**		
1000	Zinc	16	7.8	5.3	12	16	8.5 J	8.1 J	6.1 J	9.4 J	4.7 J		
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	ND	3.1	1.3	ND	ND	ND	ND	ND	ND	--- U		
1	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	1.1	ND	ND	ND	ND	ND	ND	--- U		
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
4	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	1.7	ND	ND	ND	ND	--- U		
3	Chloromethane	ND	0.2	ND	ND	ND	ND	ND	ND	ND	--- U		
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
5	Methylene Chloride (Dichloromethane)	ND	0.2	ND	ND	ND	ND	ND	ND	ND	--- U		
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
600	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
500	Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
NE	Tetrahydrofuran								ND	ND	1.40	---U	---U
7*	Dinoseb												
70	2,4-D												
NE	2,4,5-T												
50	2,4,5-TP (Silvex)												

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by *
* - denotes groundwater standard based on other criteria
Laboratory results in bold exceed NCAC 2L Standard or SWSL
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Table 2
Summarized Laboratory Analytical Results for Groundwater Samples
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-5											
	Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013
1*	Antimony	ND	0.5	0.1	0.2	0.5	ND	0.6	0.4 J	0.55 J	0.36 J		
10	Arsenic	5.3	5	2.1	1.3	5.8	3.9 J	ND	6.4 J	3.3 J	6.8 J		
700	Barium	115	101	48.3	117	83.8	92.1 J	129	80.5 J	150	122		
4*	Beryllium	0.1	0.1	0.1	0.5	1	0.5 J	1	0.92 J	0.24 J	0.50 J		
2	Cadmium	0.6	0.1	ND	0.3	0.6	0.3 J	2	0.64 J	0.69 J	0.22 J		
10	Chromium	0.4	1.2	1.1	0.7	2.7	2.3 J	**11**	6.2 J	9.5 J	6.1 J		
1*	Cobalt	**2.3**	**1.7**	0.5	**1.2**	**1.6**	**2.8 J**	**7.8 J**	**1.5 J**	**1.6 J**	**1.7 J**		
1000	Copper	1.6	0.9	3.3	2.6	1.6	1.1 J	3.9 J	4.4 J	7.1 J	3.4 J		
70	Cyanide (assassment)												
15	Lead	0.4	0.4	0.6	0.2	1.5	0.7 J	3.9 J	3 J	2.1 J	3.5 J		
1	Mercury (assassment)												
100	Nickel	9.1	4.3	3.4	2.5	4.8	7.1 J	16.8 J	5.5 J	6.9 J	4.7 J		
20	Selenium	2.3	2.5	1.2	1.5	5	7.3 J	ND	4.9 J	5.9 J	5.0 J		
20	Silver	ND	0.1	0.1	ND	0.1	0.1 J	0.1 J	ND	ND	--- U		
NE	Sulfide (assassment)												
0.28*	Thallium	ND	0.1	ND	ND	0.1	ND	0.5 J	0.7 J	0.16 J	--- U		
2000*	Tin (assassment)												
0.3*	Vanadium	**1.6**	**1.2**	**1.8**	**1.6**	**5.1**	**2.3 J**	**3.2 J**	**4.3 J**	**2.4 J**	**5.6 J**		
1000	Zinc	5.9	4.1	3.9	3.3	4.8	4.3 J	14	7.4 J	7.7 J	6.6 J		
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	ND	ND	1.5	ND	ND	ND	ND	ND	ND	--- U		
1	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	0.9	ND	ND	ND	ND	ND	ND	--- U		
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
4	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
3000	Chloroethane (Ethyl Chloride)	0.3	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	0.4	ND	ND	ND	ND	--- U		
3	Chloromethane	0.2	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
5	Methylene Chloride (Dichloromethane)	ND	0.2	ND	ND	ND	ND	ND	ND	ND	--- U		
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
600	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
500	Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
NE	Tetrahydrofuran								0.9 J	ND	1.70	---U	--- U
7*	Dinoseb												
70	2,4-D												
NE	2,4,5-T												
50	2,4,5-TP (Silvex)												

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by *
* - denotes groundwater standard based on other criteria
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Table 2
Summarized Laboratory Analytical Results for Groundwater Samples
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-6											
	Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013
1*	Antimony	0.2	0.2	0.2	0.1	ND	ND	ND	ND	ND	0.17J		
10	Arsenic	**16**	5.3	**11**	2.9	6.4	6.1 J	4.8 J	2.2 J	2.4 J	2.2 J		
700	Barium	233	65	161	56.1	137	215	155	124	157	128		
4*	Beryllium	0.9	0.1	0.1	0.1	0.1	0.1 J	0.1 J	ND	0.06 J	--- U		
2	Cadmium	0.6	0.4	0.4	0.9	0.3	**2.2**	0.6 J	0.43 J	0.29 J	0.27 J		
10	Chromium	**13**	3.1	4.7	2.5	0.8	4.2 J	2 J	2.4 J	2.7 J	2.5 J		
1*	Cobalt	**6.3**	**1.7**	**4.4**	**1.1**	0.6	**5.4 J**	0.7 J	**1.4 J**	**1.1 J**	**1.3 J**		
1000	Copper	6.7	2.1	2.8	2.3	1.1	2.4 J	1.5 J	1.6 J	1.7 J	2.2 J		
70	Cyanide (assassment)												
15	Lead	5.9	0.5	0.4	0.3	0.5	0.2 J	0.3 J	0.18 J	0.24 J	0.39 J		
1	Mercury (assassment)												
100	Nickel	9.1	3.2	6.1	1	1.1	7.5 J	5.7 J	2 J	2.7 J	2.9 J		
20	Selenium	7.9	1.7	5.3	0.5	2	7.5 J	7.2 J	1.3 J	1.6 J	1.5 J		
20	Silver	ND	0.1	ND	ND	0.1	ND	0.1 J	ND	ND	--- U		
NE	Sulfide (assassment)												
0.28*	Thallium	0.2	0.2	0.1	ND	ND	ND	0.1 J	0.9 J	0.08 J	0.10 J		
2000*	Tin (assassment)												
0.3*	Vanadium	**17**	**4.6**	**4.2**	**7.5**	**11.6**	**5.8 J**	**4.4 J**	**3.9 J**	**3.3 J**	**3.0 J**		
1000	Zinc	20	3	3.6	2.5	3.9	3.3 J	4.5 J	1.8 J	3.3 J	0.91 J		
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	2.7	4.5	2.7	ND	ND	ND	ND	ND	ND	--- U		
1	Benzene	0.2	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	1	ND	ND	ND	ND	ND	ND	--- U		
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
4	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	0.3	ND	ND	ND	ND	--- U		
3	Chloromethane	ND	0.2	ND	ND	ND	ND	ND	ND	ND	--- U		
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
5	Methylene Chloride (Dichloromethane)	ND	0.2	ND	ND	ND	ND	ND	ND	ND	--- U		
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
600	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
500	Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
NE	Tetrahydrofuran								2.30	1.90	2.70	--- U	4.40
7*	Dinoseb												
70	2,4-D												
NE	2,4,5-T												
50	2,4,5-TP (Silvex)												

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by *
* - denotes groundwater standard based on other criteria
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Table 2
Summarized Laboratory Analytical Results for Groundwater Samples
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-7											
	Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013
1*	Antimony	ND	0.2	0.1	ND	ND	ND	ND	ND	ND	0.16 J		
10	Arsenic	6.4	3.6	3.3	1	0.5	4.5 J	0.9 J	1.5 J	0.81 J	2.3 J		
700	Barium	136	31	103	31	29.1	266	34.3 J	174	67.4 J	294		
4*	Beryllium	0.1	0.1	0.1	0.1	ND	0.1 J	0.1 J	ND	0.06 J	--- U		
2	Cadmium	0.4	0.4	0.4	0.8	0.2	2	0.4 J	0.4 J	0.38 J	0.12 J		
10	Chromium	1.3	1.1	1.1	0.5	ND	2.5 J	0.4 J	1.2 J	0.92 J	2.0 J		
1*	Cobalt	**17**	**2.6**	**2.8**	**2.3**	**1.1**	**9 J**	0.8 J	**4.2 J**	**1.2 J**	**3.6 J**		
1000	Copper	2.7	2	3	1.6	2.4	2.9 J	0.8 J	1.5 J	0.93 J	1.9 J		
70	Cyanide (assassment)												
15	Lead	0.3	0.7	0.3	0.1	0.1	0.1 J	0.2 J	0.12 J	0.29 J	0.33 J		
1	Mercury (assassment)												
100	Nickel	7.5	2	4.6	0.9	0.6	10.4 J	1.7 J	2.3 J	1.5 J	4.3 J		
20	Selenium	6	1.7	5.9	0.8	0.2	9.8 J	1.1 J	3 J	1.1 J	4.3 J		
20	Silver	ND	ND	0.1	ND	0.3	ND	0.1 J	ND	ND	--- U		
NE	Sulfide (assassment)												
0.28*	Thallium	ND	0.1	0.1	ND	ND	0.5 J	ND	0.24 J	0.08 J	0.26 J		
2000*	Tin (assassment)												
0.3*	Vanadium	**2.5**	**3.1**	**1.3**	**1.8**	**0.8**	**1.3 J**	**1.1 J**	**0.75 J**	**1.2 J**	**1.3 J**		
1000	Zinc	3.4	3.4	3	2.8	1.5	3.8 J	4.3 J	2.4 J	1.8 J	0.66 J		
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	1.7	3.4	2.4	ND	ND	ND	ND	ND	ND	--- U		
1	Benzene	0.3	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	1	ND	ND	ND	ND	ND	ND	--- U		
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
4	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
3	Chloromethane	ND	ND	0.2	ND	ND	ND	ND	ND	ND	--- U		
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
5	Methylene Chloride (Dichloromethane)	ND	0.2	ND	ND	ND	ND	ND	ND	ND	--- U		
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
600	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
500	Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
NE	Tetrahydrofuran								4.50	ND	6.40	1.20	20.90
7*	Dinoseb												
70	2,4-D												
NE	2,4,5-T												
50	2,4,5-TP (Silvex)												

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by *
* - denotes groundwater standard based on other criteria
Laboratory results in bold exceed NCAC 2L Standard or SWSL
ND = Not Detected above the Laboratory Reporting Limit
NE = Not Established NS = Not sampled
U = not detected above the laboratory method detection limit
J = Estimated value above laboratory method detection limit and below SWSL

Table 2
Summarized Laboratory Analytical Results for Groundwater Samples
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-8 (Assessment)											
	Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013
1*	Antimony	ND	0.1	ND	ND	ND	ND	ND	ND	ND	0.13 J		
10	Arsenic	ND	4.5	2.7	1.6	4	7.5 J	4 J	3.2 J	2.7 J	5.8 J		
700	Barium	214	127	121	113	169	140	164	124	184	142		
4*	Beryllium	0.1	0.1	ND	ND	0.1	0.4 J	0.2 J	0.06 J	0.24 J	0.13 J		
2	Cadmium	0.3	0.1	0.1	0.2	0.2	0.2 J	0.3 J	0.06 J	0.13 J	0.06 J		
10	Chromium	1	1.1	0.4	0.1	ND	0.8 J	0.8 J	0.84 J	2.1 J	1.7 J		
1*	Cobalt	ND	**19**	**12**	**8.4**	**10**	**21**	**24**	**31**	**17**	**31**		
1000	Copper	1.6	0.9	0.8	0.6	0.7	1.1 J	0.8 J	1.3 J	0.69 J	1.1 J		
70	Cyanide (assassment)					ND	ND	ND	ND	ND	--- U		
15	Lead	0.3	0.2	0.2	0.1	0.4	0.4 J	0.4 J	0.13 J	1.2 J	0.20 J		
1	Mercury (assassment)					ND	ND	ND	0.08 J	ND	0.04 J		0.03 J
100	Nickel	5.3	7.8	4.7	3.3	5.1	9.2 J	9.1 J	5.2 J	5.4 J	7.2 J		
20	Selenium	4.7	5.9	3.5	2.2	3	4.4 J	4.7 J	3 J	1.9 J	4.5 J		
20	Silver	ND	ND	ND	ND	0.3	0.1 J	0.1 J	ND	ND	--- U		
NE	Sulfide (assassment)					ND	ND	ND	ND	ND	--- U	--- U	--- U
0.28*	Thallium	ND	ND	ND	ND	ND	0.1 J	ND	ND	ND	--- U		
2000*	Tin (assassment)					ND	0.4 J	0.5 J	0.95 J	0.24 J	--- U	0.92 J	0.08 J
0.3*	Vanadium	**1.4**	**1**	**0.8**	**1.3**	**0.9**	**1.6 J**	**1.9 J**	**0.76 J**	**4.1 J**	**1.3 J**		
1000	Zinc	5.1	2.7	1.7	3.2	3.1	6.3 J	5.4 J	5.4 J	5.3 J	3.2 J		
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	2.3	4.5	2.8	ND	ND	ND	ND	ND	ND	--- U		
1	Benzene	0.7	0.5	0.5	0.3	ND	ND	ND	0.4 J	0.4 J	**1.1**		
700	Carbon Disulfide	ND	ND	ND	0.2	ND	ND	ND	ND	ND	--- U		
4000	Methyl Ethyl Ketone (2-butanone)	ND	1.1	ND	ND	ND	ND	ND	ND	ND	--- U		
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
4	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
3	Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	0.2	0.2	0.2	ND	ND	ND	ND	0.4 J	ND	--- U		
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
5	Methylene Chloride (Dichloromethane)	0.2	0.2	0.2	0.2	ND	ND	ND	ND	ND	--- U		
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
600	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
500	Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
NE	Tetrahydrofuran								--- U	3.90	5.20	5.50	5.40
7*	Dinoseb					ND	ND	ND	ND	ND	--- U	--- U	--- U
70	2,4-D					ND	ND	ND	ND	ND	0.86 J	--- U	--- U
NE	2,4,5-T					ND	ND	ND	ND	ND	0.77 J	--- U	1.14 J
50	2,4,5-TP (Silvex)					ND	ND	ND	ND	ND	--- U	--- U	--- U

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR
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* - denotes groundwater standard based on other criteria
Laboratory results in bold exceed NCAC 2L Standard or SWSL
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Table 2
Summarized Laboratory Analytical Results for Groundwater Samples
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	SW-1 (Background)											
	Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013
1*	Antimony	NS	0.2	ND	0.1	0.1	ND	ND	ND	ND	0.13J		
10	Arsenic	NS	**11**	ND	6.3	3.9	0.9 J	2 J	3.1 J	2 J	4.7 J		
700	Barium	NS	174	ND	181	89.2	33.3 J	49.8 J	70.8 J	48.7 J	78.8 J		
4*	Beryllium	NS	0.7	ND	0.6	0.5	0.1 J	0.1 J	0.12 J	ND	0.19 J		
2	Cadmium	NS	0.4	ND	0.7	1.9	0.2 J	0.1 J	0.22 J	ND	0.17 J		
10	Chromium	NS	8	ND	5.1	2.1	0.4 J	0.5 J	1.8 J	0.74 J	2.6 J		
1*	Cobalt	NS	**1.2**	ND	**1**	0.6	0.3 J	0.4 J	0.84 J	0.5 J	0.89 J		
1000	Copper	NS	5.5	ND	4.9	2.7	0.4 J	0.3 J	1.7 J	0.17 J	2.3 J		
70	Cyanide (assassment)												
15	Lead	NS	**25**	ND	**23**	8	0.9 J	1 J	4.3 J	0.95 J	7.0 J		
1	Mercury (assassment)												
100	Nickel	NS	3.5	ND	1.9	1.3	0.4 J	0.7 J	1.3 J	0.88 J	3.8 J		
20	Selenium	NS	1.3	ND	0.8	ND	ND	ND	0.3 J	0.2 J	0.41 J		
20	Silver	NS	0.1	ND	0.1	0.2	ND	ND	ND	ND	--- U		
NE	Sulfide (assassment)												
0.28*	Thallium	NS	0.2	ND	ND	0.1	ND	ND	0.05 J	ND	--- U		
2000*	Tin (assassment)												
0.3*	Vanadium	NS	**40**	ND	**30**	**18.9**	**2 J**	**3.1 J**	**6.8 J**	**2.2 J**	**9.5 J**		
1000	Zinc	NS	43	ND	21	15	2.3 J	5.6 J	9.6 J	1.9 J	6.4 J		
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	NS	4.5	ND	ND	ND	ND	ND	ND	ND	--- U		
1	Benzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
700	Carbon Disulfide	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
4000	Methyl Ethyl Ketone (2-butanone)	NS	1.2	ND	ND	ND	ND	ND	ND	ND	--- U		
NE	Bromochloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.6	Bromodichloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
4	Bromoform	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
3000	Chloroethane (Ethyl Chloride)	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
70	Chloroform (Trichloromethane)	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
3	Chloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.4	Dibromochloromethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
70	Dibromomethane (Methylene Dibromide)	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.4	1,2-Dichloroethane	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
600	Ethylbenzene	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
5	Methylene Chloride (Dichloromethane)	NS	0.2	ND	ND	ND	ND	ND	ND	ND	--- U		
560*	4-Methyl-2-Pentanone (MIBK)	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.7	Tetrachloroethene	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
600	Toluene	NS	ND	ND	ND	ND	ND	0.3 J	ND	ND	0.5 J		
500	Total Xylenes	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
3	Trichloroethene, (TCE) (Trichloroethylene)	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.03	Vinyl Chloride	NS	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
NE	Tetrahydrofuran	NS							ND	ND	--- U	--- U	--- U
7*	Dinoseb												
70	2,4-D												
NE	2,4,5-T												
50	2,4,5-TP (Silvex)												

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR
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Laboratory results in bold exceed NCAC 2L Standard or SWSL
ND = Not Detected above the Laboratory Reporting Limit
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Table 2
Summarized Laboratory Analytical Results for Groundwater Samples
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	SW-2											
	Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013
1*	Antimony	ND	ND	0.6	ND	0.1	ND	ND	0.2 J	ND	0.09 J		
10	Arsenic	2	1.1	5.3	1.4	0.3	1.3 J	1.1 J	0.82 J	2.5 J	2.0 J		
700	Barium	126	71.2	268	61.6	71.3	79.4 J	59.1 J	71.6 J	69.4 J	84.8		
4*	Beryllium	ND	0.1	0.4	ND	ND	0.1 J	0.1 J	0.06 J	0.06 J	--- U		
2	Cadmium	0.1	0.1	0.3	ND	1.2	0.1 J	0.1 J	0.11 J	ND	--- U		
10	Chromium	1.5	1.1	5	0.5	0.7	0.9 J	0.5 J	0.58 J	1.2 J	1.4 J		
1*	Cobalt	0.8	0.8	**1.9**	0.4	0.3	0.6 J	0.5 J	**1.5 J**	0.75 J	0.79 J		
1000	Copper	1.9	0.8	5.6	1.5	0.8	0.4 J	0.1 J	0.94 J	0.46 J	1.2 J		
70	Cyanide (assassment)												
15	Lead	1.6	0.7	14	0.5	0.3	0.5 J	0.1 J	0.5 J	0.79 J	2.1 J		
1	Mercury (assassment)												
100	Nickel	2.9	1.4	4.2	0.2	0.9	1.2 J	1.6 J	1.8 J	0.99 J	2.9 J		
20	Selenium	2.2	0.9	3	ND	ND	0.7 J	0.6 J	0.22 J	0.29 J	0.57 J		
20	Silver	ND	ND	0.1	0.1	0.1	0.1 J	ND	ND	ND	--- U		
NE	Sulfide (assassment)												
0.28*	Thallium	ND	ND	0.1	ND	0.1	ND	ND	ND	ND	--- U		
2000*	Tin (assassment)												
0.3*	Vanadium	**2**	**1.4**	**9.2**	**2.3**	**0.8**	**1.5 J**	**1.1 J**	**0.86 J**	**3.4 J**	**2.5 J**		
1000	Zinc	24	7.8	96	4.8	8.1	5.3 J	6.8 J	12	8.2 J	18		
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	2.3	5.5	3.7	1.3	ND	ND	ND	ND	ND	--- U		
1	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
4000	Methyl Ethyl Ketone (2-butanone)	ND	1.7	1.2	ND	ND	ND	ND	ND	ND	--- U		
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
4	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
3	Chloromethane	ND	0.3	0.2	ND	ND	ND	ND	ND	ND	--- U		
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
5	Methylene Chloride (Dichloromethane)	ND	0.2	ND	ND	ND	ND	ND	ND	ND	--- U		
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
600	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	0.4 J	--- U		
500	Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
NE	Tetrahydrofuran								ND	ND	--- U	--- U	--- U
7*	Dinoseb												
70	2,4-D												
NE	2,4,5-T												
50	2,4,5-TP (Silvex)												

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by *
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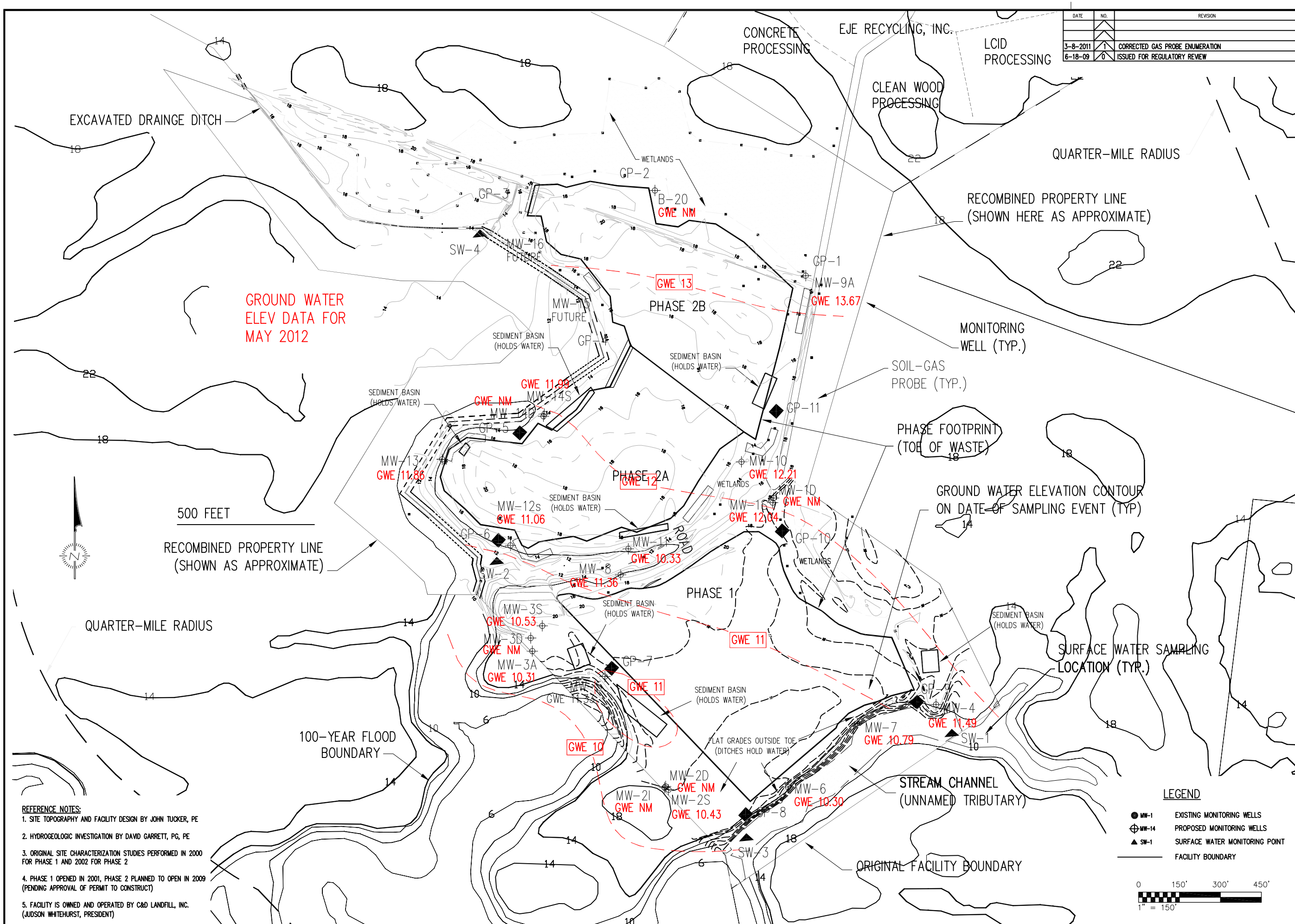
Table 2
Summarized Laboratory Analytical Results for Groundwater Samples
C&D Landfill, Inc., Phase 1 -- Assessment Sampling Began January 2010
Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	SW-3											
	Sampling Date	11/16/2007	5/8/2008	11/7/2008	5/18/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013
1*	Antimony	ND	ND	0.1	ND	0.6	ND	ND	ND	ND	0.05 J		
10	Arsenic	0.5	0.1	0.9	0.8	ND	0.4 J	0.6 J	1.1 J	0.99 J	1.0 J		
700	Barium	571	63	75.1	78.7	76.1	69.2 J	75.5 J	77.8 J	73.3 J	60.8 J		
4*	Beryllium	0.1	0.1	0.1	0.1	0.2	0.1 J	0.1 J	ND	0.09 J	--- U		
2	Cadmium	0.2	0.1	ND	ND	0.3	0.1 J	0.1 J	0.29 J	0.14 J	--- U		
10	Chromium	ND	0.4	0.3	0.5	0.4	0.4 J	0.2 J	0.99 J	0.63 J	0.38 J		
1*	Cobalt	0.7	1	**5.1**	**1.3**	**1.2**	0.6 J	1 J	0.42 J	1.3 J	0.76 J		
1000	Copper	0.6	0.6	1.1	0.4	0.8	0.3 J	0.1 J	1.1 J	0.3 J	0.34 J		
70	Cyanide (assassment)												
15	Lead	0.2	0.3	0.9	0.2	0.6	0.6 J	0.5 J	0.28 J	1.1 J	0.46 J		
1	Mercury (assassment)												
100	Nickel	0.7	0.8	1.3	0.4	0.8	0.8 J	0.8 J	1.1 J	0.76 J	5.0 J		
20	Selenium	ND	0.2	0.3	ND	ND	ND	ND	0.64 J	0.21 J	--- U		
20	Silver	ND	0.1	0.1	ND	0.2	ND	ND	0.04 J	ND	--- U		
NE	Sulfide (assassment)												
0.28*	Thallium	ND	ND	ND	ND	0.1	ND	ND	ND	0.12 J	--- U		
2000*	Tin (assassment)												
0.3*	Vanadium	**0.7**	**0.8**	**1.2**	**1.9**	**0.9**	**1.4 J**	**0.9 J**	**0.93 J**	**1.1 J**	**1.0 J**		
1000	Zinc	71	19	36	18	14	11	17	5.8 J	16	6.0 J		
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)												
6000	Acetone	2.2	3.8	5.3	ND	ND	ND	ND	ND	ND	--- U		
1	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
4	Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
3	Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	1.6	ND	ND	ND	ND	ND	ND	--- U		
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
5	Methylene Chloride (Dichloromethane)	ND	0.2	ND	ND	ND	ND	ND	ND	ND	--- U		
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
600	Toluene	ND	ND	0.2	ND	ND	ND	ND	ND	0.4 J	--- U		
500	Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	--- U		
NE	Tetrahydrofuran								0.6 J	ND	--- U	--- U	--- U
7*	Dinoseb												
70	2,4-D												
NE	2,4,5-T												
50	2,4,5-TP (Silvex)												

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR
2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by *
* - denotes groundwater standard based on other criteria
Laboratory results in bold exceed NCAC 2L Standard or SWSL
ND = Not Detected above the Laboratory Reporting Limit
NE = Not Established NS = Not sampled
U = not detected above the laboratory method detection limit
J = Estimated value above laboratory method detection limit and below SWSL

DATE	NO.	REVISION
3-8-2011	1	CORRECTED GAS PROBE ENUMERATION
6-18-09	0	ISSUED FOR REGULATORY REVIEW



REFERENCE NOTES:

1. SITE TOPOGRAPHY AND FACILITY DESIGN BY JOHN TUCKER, PE
2. HYDROGEOLOGIC INVESTIGATION BY DAVID GARRETT, PG, PE
3. ORIGINAL SITE CHARACTERIZATION STUDIES PERFORMED IN 2000 FOR PHASE 1 AND 2002 FOR PHASE 2
4. PHASE 1 OPENED IN 2001, PHASE 2 PLANNED TO OPEN IN 2009 (PENDING APPROVAL OF PERMIT TO CONSTRUCT)
5. FACILITY IS OWNED AND OPERATED BY C&D LANDFILL, INC. (JUDSON WHITEHURST, PRESIDENT)

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Engineering and Geology
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SEAL

6-18-09

PROJECT TITLE: C&D LANDFILL, INC. GROUND WATER MONITORING PITT COUNTY, NC PERMIT #74-07

DRAWING TITLE: POTENTIOMETRIC CONTOURS FOR PHASES 1 AND 2 OBSERVED MAY 14, 2012

DESIGNED BY: G.D.G.	DRAWN BY: G.D.G.
CHECKED BY: G.D.G.	PROJECT NO.: CDLF-3
SCALE: AS SHOWN	DATE: JUNE 2009
FILE NAME C&D LANDFILL ASSESSMENT	
SHEET NO. 1	DRAWING NO. MP1

Table 1
Monitoring Well and Groundwater Data
Water Quality Monitoring
May 14, 2012
Phase 2 - C&D Landfill, Inc.
Greenville, Pitt County, North Carolina
Permit # 74-07

Well Identity	Well Depth (Feet BGS)	Well Diameter (Inches)	Screen Interval (Feet BGS)	Depth to Groundwater (Feet BTOC)	Elevation Top of PVC Well Casing (Feet MSL)	Groundwater Elevation (Feet MSL)	Field Parameters			
							Temp. C°	pH	S.C. umhos/cm	Turbidity (ntu)
MW-9A	20.0	2.0	5 - 20	6.91	20.58	13.67	17.0	7.2	397	NM
MW-10	20.0	2.0	5 - 20	4.40	16.61	12.21	17.0	6.5	943	NM
MW-11	20.0	2.0	5 - 20	4.16	14.49	10.33	17.0	6.7	844	NM
MW-12s	20.0	2.0	5 - 20	5.12	16.18	11.06	18.0	6.2	1861	NM
MW-13	20.0	2.0	5 - 20	8.83	20.69	11.86	19.0	5.8	385	NM
MW-14s	20.0	2.0	15 - 20	4.61	16.60	11.99	18.0	6.1	1157	NM
MW-14d	40.0	2.0	35 - 40	NM	17.45	#VALUE!	NM	NM	NM	NM

Notes: BGS = Below Ground Surface
MSL = Mean Sea Level
BTOC = Below Top of Casing
NM = Not Measured
S.C. = Specific Conductance
ntu = Nephelometric Turbidity Units
*Extent piezometers from site characterization studies by David Garrett, PG, PE
Monitoring well and piezometer construction data from records furnished by James L. Burgess, RLS and David Garrett, PG, PE

Table 2

Summarized Laboratory Analytical Results for Groundwater Samples

C&D Landfill, Inc., Phase 2 -- Detection Sampling Began August 2009

Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-9A (Background)									
	Sampling Date	8/11/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013	
1*	Antimony	ND	0.4 J	ND	ND	ND	ND	0.03 J			
10	Arsenic	ND	1.3 J	0.3 J	0.6 J	0.6 J	0.5 J	0.50 J			
700	Barium	112 B	55.4 J	29.4 J	32.9 J	50.7 J	43.6 J	48.9 J			
4*	Beryllium	ND	0.2 J	ND	ND	ND	ND	--- U			
2	Cadmium	0.16 J	0.1 J	0.2 J	0.1 J	0.05 J	0.08 J	0.14 J			
10	Chromium	3 JB	2.7 J	0.3 J	ND	0.17 J	0.23 J	--- U			
1*	Cobalt	ND	0.7 J	0.2 J	0.2 J	0.09 J	0.11 J	0.06 J			
1000	Copper	2.13 J	1.3 J	0.1 J	ND	0.29 J	0.05 J	0.11 J			
70	Cyanide (assassment)										
15	Lead	ND	1.8 J	0.1 J	ND	0.16 J	0.16 J	--- U			
1	Mercury (assassment)										
100	Nickel	ND	2.5 J	2.0 J	1.8 J	0.77 J	0.78 J	0.23 J			
20	Selenium	6.61 J	ND	ND		ND	ND	--- U			
20	Silver	7.15 JB	0.1 J	ND	ND	ND	ND	--- U			
NE	Sulfide (assassment)										
0.28*	Thallium	ND	ND	ND	ND	ND	0.08 J	--- U			
2000*	Tin (assassment)										
0.3*	Vanadium	ND	**4.9 J**	**0.6 J**	**0.9 J**	**1.2 J**	**1.3 J**	**0.96 J**			
1000	Zinc	1.66 JB	7.5 J	1.5 J	2.6 J	3.2 J	2.3 J	0.66 J			
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)										
6000	Acetone	ND	ND	ND	ND	ND	ND	--- U			
1	Benzene	ND	ND	ND	ND	ND	ND	--- U			
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	--- U			
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	ND	ND	ND	ND	--- U			
NE	Bromochloromethane	**0.48 J**	ND	ND	ND	ND	ND	--- U			
0.6	Bromodichloromethane	**0.97 J**	ND	ND	ND	ND	ND	--- U			
4	Bromoform	3.48	ND	ND	ND	ND	ND	--- U			
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	--- U			
70	Chloroform (Trichloromethane)	0.640 J	ND	ND	ND	ND	ND	--- U			
3	Chloromethane	0.330 J	ND	ND	ND	ND	ND	--- U			
0.4	Dibromochloromethane	**2.80 J**	ND	ND	ND	ND	ND	--- U			
70	Dibromomethane (Methylene Dibromide)	1.13 J	ND	ND	ND	ND	ND	--- U			
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	--- U			
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	ND	ND	--- U			
600	Ethylbenzene	0.950 J	ND	ND	ND	ND	ND	--- U			
5	Methylene Chloride (Dichloromethane)	ND	ND	ND	ND	ND	ND	--- U			
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	--- U			
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	--- U			
600	Toluene	ND	ND	ND	ND	ND	ND	--- U			
500	Total Xylenes	2.77 J	ND	ND	ND	ND	ND	--- U			
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	--- U			
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	--- U			
NE	Tetrahydrofuran	NA	NA	NA	NA	ND	ND	--- U			
7*	Dinoseb										
50	2,4,5-TP (Silvex)										

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR

2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by *

* - denotes groundwater standard based on other criteria

Laboratory results in bold exceed NCAC 2L Standard or SWSL

ND = Not Detected above the Laboratory Reporting Limit

NE = Not Established NS = Not sampled

U = not detected above the laboratory method detection limit

J = Estimated value above laboratory method detection limit and below SWSL

Table 2

Summarized Laboratory Analytical Results for Groundwater Samples

C&D Landfill, Inc., Phase 2 -- Detection Sampling Began August 2009

Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-10									
	Sampling Date	8/11/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013	
1*	Antimony	ND	ND	ND	ND	ND	ND	0.04 J			
10	Arsenic	ND	0.5 J	0.5 J	1.1 J	0.52 J	2.5 J	1.1 J			
700	Barium	76.1 JB	113	129	63.2 J	89.2 J	43.6 J	87.5 J			
4*	Beryllium	ND	0.2 J	0.1 J	0.1 J	0.29 J	0.16 J	0.09 J			
2	Cadmium	0.17 J	ND	1.00	0.1 J	0.8 J	0.08 J	0.05 J			
10	Chromium	3 JB	0.9 J	0.6 J	0.1 J	0.83 J	0.86 J	0.05 J			
1*	Cobalt	ND	0.3 J	0.2 J	0.3 J	2.2 J	0.26 J	0.45 J			
1000	Copper	2.34 J	1.0 J	0.6 J	ND	1.7 J	0.18 J	0.37 J			
70	Cyanide (assassment)										
15	Lead	ND	1.4 J	2.0 J	1.1 J	1.2 J	1.9 J	0.74 J			
1	Mercury (assassment)										
100	Nickel	ND	0.8 J	1.5 J	4.1 J	1.1 J	1.3 J	2.3 J			
20	Selenium	ND	0.2 J	0.6 J	ND	1.1 J	0.62 J	0.93 J			
20	Silver	6.95 JB	0.1 J	ND	ND	ND	ND	--- U			
NE	Sulfide (assassment)										
0.28*	Thallium	ND	ND	ND	ND	0.05 J	0.05 J	--- U			
2000*	Tin (assassment)										
0.3*	Vanadium	ND	**4.5 J**	**3.2 J**	**1.9 J**	**3.1 J**	**9.2 J**	**5.9 J**			
1000	Zinc	ND	2.6 J	4.0 J	2.1 J	3.5 J	1.7 J	--- U			
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)										
6000	Acetone	ND	ND	ND	ND	ND	ND	--- U			
1	Benzene	ND	ND	ND	ND	ND	ND	--- U			
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	--- U			
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	ND	ND	ND	ND	--- U			
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	--- U			
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	--- U			
4	Bromoform	ND	ND	ND	ND	ND	ND	--- U			
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	--- U			
70	Chloroform (Trichloromethane)	ND	0.40 J	ND	ND	ND	ND	--- U			
3	Chloromethane	ND	ND	ND	ND	ND	ND	--- U			
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	--- U			
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	--- U			
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	--- U			
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	ND	ND	--- U			
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	--- U			
5	Methylene Chloride (Dichloromethane)	ND	ND	ND	ND	ND	ND	--- U			
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	--- U			
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	--- U			
600	Toluene	ND	ND	ND	ND	ND	ND	--- U			
500	Total Xylenes	ND	ND	ND	ND	ND	ND	--- U			
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	--- U			
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	--- U			
NE	Tetrahydrofuran	NA	NA	NA	NA	ND	ND	--- U			
7*	Dinoseb										
50	2,4,5-TP (Silvex)										

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR

2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by *

* - denotes groundwater standard based on other criteria

Laboratory results in bold exceed NCAC 2L Standard or SWSL

ND = Not Detected above the Laboratory Reporting Limit

NE = Not Established NS = Not sampled

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Table 2

Summarized Laboratory Analytical Results for Groundwater Samples

C&D Landfill, Inc., Phase 2 -- Detection Sampling Began August 2009

Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-11									
	Sampling Date	8/11/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013	
1*	Antimony	ND	ND	0.7 J	ND	ND	ND	0.06 J			
10	Arsenic	ND	ND	ND	0.6 J	ND	0.23 J	0.41 J			
700	Barium	39.8 JB	23.4 J	14.2 J	31.4 J	19.2 J	17.3 J	23.9 J			
4*	Beryllium	ND	0.3 J	0.1 J	0.2 J	0.31 J	0.10 J	0.08 J			
2	Cadmium	0.3 J	0.2 J	0.1 J	0.2 J	0.17 J	0.13 J	0.22 J			
10	Chromium	3.09 JB	ND	0.3 J	0.1 J	0.23 J	ND	0.05 J			
1*	Cobalt	ND	0.5 J	0.3 J	0.3 J	0.26 J	0.2 J	0.22 J			
1000	Copper	2.44 J	0.8 J	0.2 J	ND	0.67 J	0.09 J	0.50 J			
70	Cyanide (assassment)										
15	Lead	ND	0.2 J	0.2 J	0.2 J	0.1 J	0.12 J	0.09 J			
1	Mercury (assassment)										
100	Nickel	2.75 J	2.2 J	1.8 J	1.6 J	1.2 J	1.2 J	3.4 J			
20	Selenium	4.22 J	ND	ND	ND	ND	ND	0.72 J			
20	Silver	6.92 JB	ND	0.1 J	ND	ND	ND	--- U			
NE	Sulfide (assassment)										
0.28*	Thallium	ND	ND	ND	ND	ND	0.12 J	--- U			
2000*	Tin (assassment)										
0.3*	Vanadium	ND	**1.3 J**	**1.0 J**	**0.6 J**	**0.54 J**	**0.55 J**	**0.78 J**			
1000	Zinc	ND	2.9 J	2.0 J	3.2 J	2.1 J	1.9 J	1.7 J			
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)										
6000	Acetone	ND	ND	ND	ND	ND	ND	--- U			
1	Benzene	ND	ND	ND	ND	ND	ND	--- U			
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	--- U			
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	ND	ND	ND	ND	--- U			
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	--- U			
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	--- U			
4	Bromoform	ND	ND	ND	ND	ND	ND	--- U			
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	--- U			
70	Chloroform (Trichloromethane)	ND	0.60 J	ND	ND	ND	ND	--- U			
3	Chloromethane	0.290 J	ND	ND	ND	ND	ND	--- U			
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	--- U			
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	--- U			
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	--- U			
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	ND	ND	--- U			
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	--- U			
5	Methylene Chloride (Dichloromethane)	ND	ND	ND	ND	ND	ND	--- U			
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	--- U			
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	--- U			
600	Toluene	ND	ND	ND	ND	ND	ND	--- U			
500	Total Xylenes	ND	ND	ND	ND	ND	ND	--- U			
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	--- U			
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	--- U			
NE	Tetrahydrofuran	NA	NA	NA	NA	ND	ND	18.40			
7*	Dinoseb										
50	2,4,5-TP (Silvex)										

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR

2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by *

* - denotes groundwater standard based on other criteria

Laboratory results in bold exceed NCAC 2L Standard or SWSL

ND = Not Detected above the Laboratory Reporting Limit

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Table 2

Summarized Laboratory Analytical Results for Groundwater Samples

C&D Landfill, Inc., Phase 2 -- Detection Sampling Began August 2009

Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-12s									
	Sampling Date	8/11/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012		
1*	Antimony	ND	ND	ND	0.8 J	0.47 J	0.51 J	0.24 J			
10	Arsenic	ND	ND	0.4 J	5.3 J	5.9 J	11	**24**			
700	Barium	56.6 JB	98.5 J	39.2 J	177.0	346.0	467.0	291.0			
4*	Beryllium	ND	ND	0.1 J	0.1 J	ND	ND	--- U			
2	Cadmium	ND	0.2 J	0.2 J	0.1 J	0.1 J	0.06	0.05 J			
10	Chromium	2.48 JB	ND	0.6 J	1.7 J	2.6 J	14	6.5 J			
1*	Cobalt	ND	0.2 J	0.2 J	0.8 J	**1.5 J**	0.84 J	0.72 J			
1000	Copper	1.86 J	0.7 J	0.3 J	1.1 J	1.5 J	0.53 J	0.87 J			
70	Cyanide (assassment)										
15	Lead	ND	0.4 J	1.1 J	1.9 J	0.83 J	0.64 J	0.90 J			
1	Mercury (assassment)										
100	Nickel	2.43 J	0.9 J	0.9 J	4.1 J	6.8 J	7.6 J	5.6 J			
20	Selenium	ND	0.2 J	ND	1.3 J	1.7 J	2.5 J	3.7 J			
20	Silver	6.87 JB	0.1 J	ND	0.1 J	ND	ND	--- U			
NE	Sulfide (assassment)										
0.28*	Thallium	ND	ND	ND	ND	0.08 J	0.04 J	--- U			
2000*	Tin (assassment)										
0.3*	Vanadium	**1.42**	**2.4 J**	**3.7 J**	**4.4 J**	**2.9 J**	**4.8 J**	**6.9 J**			
1000	Zinc	ND	2.8 J	1.1 J	3.1 J	3.5 J	1.8 J	--- U			
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)										
6000	Acetone	ND	ND	ND	ND	ND	ND	--- U			
1	Benzene	ND	ND	ND	ND	ND	0.3 J	**1.20**			
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	--- U			
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	ND	8.9	ND	ND	--- U			
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	--- U			
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	--- U			
4	Bromoform	ND	ND	ND	ND	ND	ND	--- U			
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	1.10 J			
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	ND	ND	--- U			
3	Chloromethane	ND	ND	ND	ND	ND	ND	--- U			
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	--- U			
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	--- U			
0.4	1,2-Dichloroethane	ND	ND	ND	ND	0.6 J	0.4 J	**1.10**			
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	0.6 J	1.2 J	8.50			
600	Ethylbenzene	ND	ND	ND	2	ND	0.6 J	2.10			
5	Methylene Chloride (Dichloromethane)	ND	ND	ND	11.2	0.9 J	ND	--- U			
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	78.9	ND	ND	--- U			
0.7	Tetrachloroethene	ND	ND	ND	0.2	0.2 J	ND	--- U			
600	Toluene	ND	ND	ND	ND	ND	ND	0.60 J			
500	Total Xylenes	ND	ND	ND	11.7	ND	ND	3.30 J			
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	0.7 J	ND	0.40 J			
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	**0.80 J**			
NE	Tetrahydrofuran	NA	NA	NA	NA	ND	4.2	2.50			
7*	Dinoseb										
50	2,4,5-TP (Silvex)										

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR

2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by *

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Laboratory results in bold exceed NCAC 2L Standard or SWSL

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Table 2

Summarized Laboratory Analytical Results for Groundwater Samples

C&D Landfill, Inc., Phase 2 -- Detection Sampling Began August 2009

Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-13									
	Sampling Date	8/11/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013	
1*	Antimony	ND	ND	ND	ND	ND	ND	0.10 J			
10	Arsenic	ND	2.4 J	1.4 J	1.8 J	0.29 J	0.52 J	0.62 J			
700	Barium	44.1 JB	82.8 J	86.7 J	106.0	92.3 J	67.8 J	74.2 J			
4*	Beryllium	ND	0.3 J	0.3 J	0.3 J	0.12 J	0.14 J	0.12 J			
2	Cadmium	0.16 J	0.2 J	0.4 J	0.2 J	0.16 J	0.13 J	0.18 J			
10	Chromium	1.77 JB	0.7 J	0.8 J	0.9 J	0.51 J	0.57 J	0.61 J			
1*	Cobalt	ND	**1.3 J**	0.9 J	1.0 J	**1.2 J**	0.6 J	**1.5 J**			
1000	Copper	1.33 J	1.2 J	0.5 J	0.8 J	2.1 J	0.82 J	0.77 J			
70	Cyanide (assassment)										
15	Lead	ND	3.2 J	1.8 J	3.1 J	0.8 J	0.93 J	1.0 J			
1	Mercury (assassment)										
100	Nickel	2.44 J	1.6 J	1.7 J	2.2 J	2.1 J	1.3 J	3.4 J			
20	Selenium	ND	0.5 J	ND	0.8 J	0.38 J	0.78 J	0.64 J			
20	Silver	6.91 JB	0.1 J	ND	ND	ND	ND	--- U			
NE	Sulfide (assassment)										
0.28*	Thallium	ND	ND	ND	ND	0.04 J	0.07 J	--- U			
2000*	Tin (assassment)										
0.3*	Vanadium	ND	**4.9 J**	**2.4 J**	**3.6 J**	**1.0 J**	**1.4 J**	**2.2 J**			
1000	Zinc	4.63 JB	8.5 J	7.5 J	8.5 J	32.0	3.2 J	8.1 J			
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)										
6000	Acetone	ND	ND	ND	ND	ND	ND	--- U			
1	Benzene	ND	ND	ND	ND	ND	ND	--- U			
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	--- U			
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	ND	ND	ND	ND	--- U			
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	--- U			
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	--- U			
4	Bromoform	ND	ND	ND	ND	ND	ND	--- U			
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	--- U			
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	ND	ND	--- U			
3	Chloromethane	ND	ND	ND	ND	ND	ND	--- U			
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	--- U			
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	--- U			
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	--- U			
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	ND	ND	--- U			
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	--- U			
5	Methylene Chloride (Dichloromethane)	ND	ND	ND	ND	ND	ND	--- U			
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	--- U			
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	--- U			
600	Toluene	ND	ND	ND	ND	ND	ND	--- U			
500	Total Xylenes	ND	ND	ND	ND	ND	ND	--- U			
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	--- U			
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	--- U			
NE	Tetrahydrofuran	NA	NA	NA	NA	ND	ND	--- U			
7*	Dinoseb										
50	2,4,5-TP (Silvex)										

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR

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Table 2

Summarized Laboratory Analytical Results for Groundwater Samples

C&D Landfill, Inc., Phase 2 -- Detection Sampling Began August 2009

Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-14s									
	Sampling Date	8/11/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013	
1*	Antimony	ND	0.2 J	ND	ND	ND	ND	0.34 J			
10	Arsenic	ND	1.3 J	ND	1.6 J	1.5 J	1.7 J	4.0 J			
700	Barium	111 B	100	107	177	127	223	105			
4*	Beryllium	ND	0.6 J	0.1 J	0.2 J	0.2 J	0.29 J	2.00			
2	Cadmium	0.23 J	0.2 J	0.1 J	0.3 J	0.12 J	0.29 J	0.18 J			
10	Chromium	2.83 JB	2.6 J	0.5 J	0.5 J	0.48 J	1.3 J	2.0 J			
1*	Cobalt	ND	0.4 J	0.2 J	0.3 J	0.18 J	0.42 J	**3.4 J**			
1000	Copper	1.34 J	2.4 J	0.1 J	0.1 J	0.81 J	0.59 J	1.9 J			
70	Cyanide (assassment)										
15	Lead	ND	21	1.5 J	2.2 J	4.4 J	3.2 J	11			
1	Mercury (assassment)										
100	Nickel	ND	1.0 J	1.1 J	1.9 J	0.86 J	2 J	5.2 J			
20	Selenium	ND	0.4 J	ND	ND	0.44 J	0.33 J	1.4 J			
20	Silver	7.19 JB	0.1 J	ND	ND	ND	ND	--- U			
NE	Sulfide (assassment)										
0.28*	Thallium	ND	ND	ND	ND	0.04 J	0.05 J	--- U			
2000*	Tin (assassment)										
0.3*	Vanadium	ND	**35**	**3.3 J**	**8.5 J**	**11.8 J**	**8.4 J**	**31**			
1000	Zinc	1.48 JB	4.7 J	1.2 J	2.6 J	2.6 J	4.7 J	6.2 J			
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)										
6000	Acetone	ND	ND	ND	ND	ND	ND	--- U			
1	Benzene	ND	ND	ND	ND	ND	ND	--- U			
700	Carbon Disulfide	ND	ND	ND	ND	ND	ND	--- U			
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	ND	ND	ND	ND	--- U			
NE	Bromochloromethane	ND	ND	ND	ND	ND	ND	--- U			
0.6	Bromodichloromethane	ND	ND	ND	ND	ND	ND	--- U			
4	Bromoform	ND	ND	ND	ND	ND	ND	--- U			
3000	Chloroethane (Ethyl Chloride)	ND	ND	ND	ND	ND	ND	--- U			
70	Chloroform (Trichloromethane)	ND	ND	ND	ND	ND	ND	--- U			
3	Chloromethane	ND	ND	ND	ND	ND	ND	--- U			
0.4	Dibromochloromethane	ND	ND	ND	ND	ND	ND	--- U			
70	Dibromomethane (Methylene Dibromide)	ND	ND	ND	ND	ND	ND	--- U			
0.4	1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	--- U			
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	ND	ND	ND	ND	--- U			
600	Ethylbenzene	ND	ND	ND	ND	ND	ND	--- U			
5	Methylene Chloride (Dichloromethane)	ND	ND	ND	ND	ND	ND	--- U			
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	--- U			
0.7	Tetrachloroethene	ND	ND	ND	ND	ND	ND	--- U			
600	Toluene	ND	ND	ND	ND	ND	ND	--- U			
500	Total Xylenes	ND	ND	ND	ND	ND	ND	--- U			
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	ND	ND	ND	ND	--- U			
0.03	Vinyl Chloride	ND	ND	ND	ND	ND	ND	--- U			
NE	Tetrahydrofuran	NA	NA	NA	NA	ND	0.9 J	14.00			
7*	Dinoseb										
50	2,4,5-TP (Silvex)										

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR

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Laboratory results in bold exceed NCAC 2L Standard or SWSL

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Table 2

Summarized Laboratory Analytical Results for Groundwater Samples

C&D Landfill, Inc., Phase 2 -- Detection Sampling Began August 2009

Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	MW-14d									
	Sampling Date	8/11/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013	
1*	Antimony	ND	0.1 J	NS	NS	NS	ND	NS			
10	Arsenic	ND	0.2 J	NS	NS	NS	0.32 J	NS			
700	Barium	13.9 JB	13.1 J	NS	NS	NS	9.9 J	NS			
4*	Beryllium	ND	ND	NS	NS	NS	ND	NS			
2	Cadmium	0.4 J	1.0	NS	NS	NS	0.43 J	NS			
10	Chromium	4.24 JB	1.8 J	NS	NS	NS	ND	NS			
1*	Cobalt	ND	0.2 J	NS	NS	NS	0.08 J	NS			
1000	Copper	ND	2.4 J	NS	NS	NS	0.66 J	NS			
70	Cyanide (assassment)			NS	NS	NS		NS			
15	Lead	ND	1.2 J	NS	NS	NS	0.17 J	NS			
1	Mercury (assassment)			NS	NS	NS		NS			
100	Nickel	ND	2.14 J	NS	NS	NS	1.4 J	NS			
20	Selenium	ND	ND	NS	NS	NS	ND	NS			
20	Silver	6.77 JB	0.1 J	NS	NS	NS	ND	NS			
NE	Sulfide (assassment)			NS	NS	NS		NS			
0.28*	Thallium	ND	ND	NS	NS	NS	ND	NS			
2000*	Tin (assassment)			NS	NS	NS		NS			
0.3*	Vanadium	ND	**1.4 J**	NS	NS	NS	0.3 J	NS			
1000	Zinc	ND	21.0	NS	NS	NS	3.2 J	NS			
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)										
6000	Acetone	ND	ND	NS	NS	NS	ND	NS			
1	Benzene	ND	ND	NS	NS	NS	ND	NS			
700	Carbon Disulfide	ND	ND	NS	NS	NS	ND	NS			
4000	Methyl Ethyl Ketone (2-butanone)	ND	ND	NS	NS	NS	ND	NS			
NE	Bromochloromethane	ND	ND	NS	NS	NS	ND	NS			
0.6	Bromodichloromethane	ND	ND	NS	NS	NS	ND	NS			
4	Bromoform	ND	ND	NS	NS	NS	ND	NS			
3000	Chloroethane (Ethyl Chloride)	ND	ND	NS	NS	NS	ND	NS			
70	Chloroform (Trichloromethane)	ND	ND	NS	NS	NS	ND	NS			
3	Chloromethane	0.210 J	ND	NS	NS	NS	ND	NS			
0.4	Dibromochloromethane	ND	ND	NS	NS	NS	ND	NS			
70	Dibromomethane (Methylene Dibromide)	ND	ND	NS	NS	NS	ND	NS			
0.4	1,2-Dichloroethane	ND	ND	NS	NS	NS	ND	NS			
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	ND	ND	NS	NS	NS	ND	NS			
600	Ethylbenzene	ND	ND	NS	NS	NS	ND	NS			
5	Methylene Chloride (Dichloromethane)	ND	ND	NS	NS	NS	ND	NS			
560*	4-Methyl-2-Pentanone (MIBK)	ND	ND	NS	NS	NS	ND	NS			
0.7	Tetrachloroethene	ND	ND	NS	NS	NS	ND	NS			
600	Toluene	ND	ND	NS	NS	NS	ND	NS			
500	Total Xylenes	ND	ND	NS	NS	NS	ND	NS			
3	Trichloroethene, (TCE) (Trichloroethylene)	ND	ND	NS	NS	NS	ND	NS			
0.03	Vinyl Chloride	ND	ND	NS	NS	NS	ND	NS			
NE	Tetrahydrofuran	NA	NA	NS	NS	NS	ND	NS			
7*	Dinoseb										
50	2,4,5-TP (Silvex)										

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Table 2

Summarized Laboratory Analytical Results for Groundwater Samples

C&D Landfill, Inc., Phase 2 -- Detection Sampling Began August 2009

Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	SW-2									
	Sampling Date	8/11/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013	
1*	Antimony	NS	0.1 J	ND	ND	0.2 J	ND	0.09 J			
10	Arsenic	NS	0.3 J	0.9 J	1.1 J	0.82 J	2.5 J	2.0 J			
700	Barium	NS	71.3 J	33.3 J	59.1 J	71.6 J	69.4 J	84.8			
4*	Beryllium	NS	ND	0.1 J	0.1 J	0.06 J	0.06 J	--- U			
2	Cadmium	NS	1.2	0.2 J	0.1 J	0.11 J	ND	--- U			
10	Chromium	NS	0.7 J	0.4 J	0.5 J	0.58 J	1.2 J	1.4 J			
1*	Cobalt	NS	0.3 J	0.3 J	0.5 J	**1.5 J**	0.75 J	0.79 J			
1000	Copper	NS	0.8 J	0.4 J	0.1 J	0.94 J	0.46 J	1.2 J			
70	Cyanide (assassment)	NS									
15	Lead	NS	0.3 J	0.9 J	0.1 J	0.5 J	0.79 J	2.1 J			
1	Mercury (assassment)	NS									
100	Nickel	NS	0.9 J	0.4 J	1.6 J	1.8 J	0.99 J	2.9 J			
20	Selenium	NS	ND	ND	0.6 J	0.22 J	0.29 J	0.57 J			
20	Silver	NS	0.1 J	ND	ND	ND	ND	--- U			
NE	Sulfide (assassment)	NS									
0.28*	Thallium	NS	0.1 J	ND	ND	ND	ND	--- U			
2000*	Tin (assassment)	NS									
0.3*	Vanadium	NS	**0.8 J**	**2.0 J**	**1.1 J**	**0.86 J**	**3.4 J**	**2.5 J**			
1000	Zinc	NS	8.1 J	2.3 J	6.8 J	12	8.2 J	18			
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)										
6000	Acetone	NS						--- U			
1	Benzene	NS	ND	ND	ND	ND	ND	--- U			
700	Carbon Disulfide	NS						--- U			
4000	Methyl Ethyl Ketone (2-butanone)	NS	ND	ND	ND	ND	ND	--- U			
NE	Bromochloromethane	NS	ND	ND	ND	ND	ND	--- U			
0.6	Bromodichloromethane	NS	ND	ND	ND	ND	ND	--- U			
4	Bromoform	NS	ND	ND	ND	ND	ND	--- U			
3000	Chloroethane (Ethyl Chloride)	NS						--- U			
70	Chloroform (Trichloromethane)	NS	ND	ND	ND	ND	ND	--- U			
3	Chloromethane	NS	ND	ND	ND	ND	ND	--- U			
0.4	Dibromochloromethane	NS	ND	ND	ND	ND	ND	--- U			
70	Dibromomethane (Methylene Dibromide)	NS	ND	ND	ND	ND	ND	--- U			
0.4	1,2-Dichloroethane	NS	ND	ND	ND	ND	ND	--- U			
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	NS	ND	ND	ND	ND	ND	--- U			
600	Ethylbenzene	NS	ND	ND	ND	ND	ND	--- U			
5	Methylene Chloride (Dichloromethane)	NS	ND	ND	ND	ND	ND	--- U			
560*	4-Methyl-2-Pentanone (MIBK)	NS	ND	ND	ND	ND	ND	--- U			
0.7	Tetrachloroethene	NS	ND	ND	ND	ND	ND	--- U			
600	Toluene	NS	ND	ND	ND	ND	0.4 J	--- U			
500	Total Xylenes	NS	ND	ND	ND	ND	ND	--- U			
3	Trichloroethene, (TCE) (Trichloroethylene)	NS	ND	ND	ND	ND	ND	--- U			
0.03	Vinyl Chloride	NS	ND	ND	ND	ND	ND	--- U			
NE	Tetrahydrofuran	NS	NA	NA	NA	ND	ND	--- U			
7*	Dinoseb										
50	2,4,5-TP (Silvex)										

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR

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Summarized Laboratory Analytical Results for Groundwater Samples

C&D Landfill, Inc., Phase 2 -- Detection Sampling Began August 2009

Greenville, Pitt County, North Carolina (Permit # 74-07)

2L Std. (µg/L)	INORGANIC CONSTITUENTS (µg/L) All results shown	SW-4									
	Sampling Date	8/11/2009	1/20/2010	5/25/2010	11/15/2010	5/19/2011	11/15/2011	5/14/2012	11/27/2012	5/14/2013	
1*	Antimony	NS	0.2 J	ND	ND	0.29 J	ND	0.04 J			
10	Arsenic	NS	0.2 J	0.6 J	0.5 J	1.3 J	0.51 J	0.92 J			
700	Barium	NS	70.9 J	82.1 J	94.2 J	137	81.2 J	74.3 J			
4*	Beryllium	NS	0.1 J	0.1 J	0.1 J	0.57 J	0.1 J	0.15 J			
2	Cadmium	NS	0.1 J	0.1 J	0.2 J	0.14 J	0.05 J	--- U			
10	Chromium	NS	0.3 J	0.9 J	0.3 J	3.1 J	0.46 J	1.00 J			
1*	Cobalt	NS	0.2 J	0.5 J	0.7 J	**1.6 J**	0.86 J	0.72 J			
1000	Copper	NS	0.7 J	0.5 J	0.3 J	1.5 J	ND	0.42 J			
70	Cyanide (assassment)	NS									
15	Lead	NS	0.3 J	1.6 J	0.2 J	5.7 J	0.29 J	1.3 J			
1	Mercury (assassment)	NS									
100	Nickel	NS	0.6 J	0.8 J	0.8 J	1.5 J	0.55 J	6.1 J			
20	Selenium	NS	ND	ND	ND	0.33 J	ND	--- U			
20	Silver	NS	0.1 J	ND	ND	ND	ND	--- U			
NE	Sulfide (assassment)	NS									
0.28*	Thallium	NS	ND	ND	ND	0.09 J	0.09 J	--- U			
2000*	Tin (assassment)	NS									
0.3*	Vanadium	NS	**0.6 J**	**3.0 J**	**0.9 J**	**7.2 J**	**0.88 J**	**3.0 J**			
1000	Zinc	NS	8.8 J	3.0 J	3.9 J	9.4 J	2.4 J	0.70 J			
2L Std. (µg/L)	DETECTED ORGANIC CONSTITUENTS SW 846 8260 & 8270 (µg/L)										
6000	Acetone	NS	ND	ND	ND	ND	ND	--- U			
1	Benzene	NS	ND	ND	ND	ND	ND	--- U			
700	Carbon Disulfide	NS	ND	ND	ND	ND	ND	--- U			
4000	Methyl Ethyl Ketone (2-butanone)	NS	ND	ND	ND	ND	ND	--- U			
NE	Bromochloromethane	NS	ND	ND	ND	ND	ND	--- U			
0.6	Bromodichloromethane	NS	ND	ND	ND	ND	ND	--- U			
4	Bromoform	NS	ND	ND	ND	ND	ND	--- U			
3000	Chloroethane (Ethyl Chloride)	NS	ND	ND	ND	ND	ND	--- U			
70	Chloroform (Trichloromethane)	NS	ND	ND	ND	ND	ND	--- U			
3	Chloromethane	NS	ND	ND	ND	ND	ND	--- U			
0.4	Dibromochloromethane	NS	ND	ND	ND	ND	ND	--- U			
70	Dibromomethane (Methylene Dibromide)	NS	ND	ND	ND	ND	ND	--- U			
0.4	1,2-Dichloroethane	NS	ND	ND	ND	ND	ND	--- U			
70	Cis-1,2-Dichloroethene (Cis-1,2-Dichloroethylene)	NS	ND	ND	ND	ND	ND	--- U			
600	Ethylbenzene	NS	ND	ND	ND	ND	ND	--- U			
5	Methylene Chloride (Dichloromethane)	NS	ND	ND	ND	ND	ND	--- U			
560*	4-Methyl-2-Pentanone (MIBK)	NS	ND	ND	ND	ND	ND	--- U			
0.7	Tetrachloroethene	NS	ND	ND	ND	ND	ND	--- U			
600	Toluene	NS	ND	ND	ND	0.4 J	ND	--- U			
500	Total Xylenes	NS	ND	ND	ND	ND	ND	--- U			
3	Trichloroethene, (TCE) (Trichloroethylene)	NS	ND	ND	ND	ND	ND	--- U			
0.03	Vinyl Chloride	NS	ND	ND	ND	ND	ND	--- U			
NE	Tetrahydrofuran	NS	NA	NA	NA	ND	ND	--- U			
7*	Dinoseb										
50	2,4,5-TP (Silvex)										

Notes: SWSL = Solid Waste Section Limit, a laboratory reporting limit established by NCDENR

2L Std. = groundwater protection standard based on 15A NCAC 2L except as denoted by *

* - denotes groundwater standard based on other criteria

Laboratory results in bold exceed NCAC 2L Standard or SWSL

ND = Not Detected above the Laboratory Reporting Limit

NE = Not Established NS = Not sampled

U = not detected above the laboratory method detection limit

J = Estimated value above laboratory method detection limit and below SWSL

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

ID#: 6003

JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH ,NC 27604

DATE COLLECTED: 05/14/12
DATE REPORTED : 06/21/12

REVIEWED BY:

PARAMETERS	MDL	SWSL	MW-3A	MW-4	MW-5	MW-6	MW-7	Analysis Date	Analyst	Method Code
PH (field measurement), Units			6.4	6.0	6.7	6.6	6.3	05/14/12	RJH	SM4500HB
Cyanide, ug/l	5.0	10.0	--- U					05/17/12	SEJ	SM4500 CNE
Antimony, ug/l	0.02	6.0	0.10 J	0.15 J	0.36 J			05/17/12	CMF	EPA200.8
Antimony, ug/l	0.02	6.0				0.17 J	0.16 J	05/18/12	LFJ	EPA200.8
Arsenic, ug/l	0.13	10.0	2.8 J	2.9 J	6.8 J			05/17/12	CMF	EPA200.8
Arsenic, ug/l	0.13	10.0				2.2 J	2.3 J	05/18/12	LFJ	EPA200.8
Barium, ug/l	0.07	100.0	86.6 J	278	122			05/17/12	CMF	EPA200.8
Barium, ug/l	0.07	100.0				128	294	05/18/12	LFJ	EPA200.8
Beryllium, ug/l	0.07	1.0	--- U	0.50 J	0.50 J			05/17/12	CMF	EPA200.8
Beryllium, ug/l	0.07	1.0				--- U	--- U	05/18/12	LFJ	EPA200.8
Cadmium, ug/l	0.03	1.0	0.08 J	0.16 J	0.22 J			05/17/12	CMF	EPA200.8
Cadmium, ug/l	0.03	1.0				0.27 J	0.12 J	05/18/12	LFJ	EPA200.8
Cobalt, ug/l	0.02	10.0	25	0.63 J	1.7 J			05/17/12	CMF	EPA200.8
Cobalt, ug/l	0.02	10.0				1.3 J	3.6 J	05/18/12	LFJ	EPA200.8
Copper, ug/l	0.06	10.0	0.85 J	1.8 J	3.4 J			05/17/12	CMF	EPA200.8
Copper, ug/l	0.06	10.0				2.2 J	1.9 J	05/18/12	LFJ	EPA200.8
Total Chromium, ug/l	0.18	10.0	1.5 J	5.7 J	6.1 J			05/17/12	CMF	EPA200.8
Total Chromium, ug/l	0.18	10.0				2.5 J	2.0 J	05/18/12	LFJ	EPA200.8
Lead, ug/l	0.08	10.0	0.25 J	7.6 J	3.5 J			05/17/12	CMF	EPA200.8
Lead, ug/l	0.08	10.0				0.39 J	0.33 J	05/18/12	LFJ	EPA200.8
Mercury, ug/l	0.02	0.20	0.04 J					05/17/12	CMF	EPA200.8
Nickel, ug/l	0.06	50.0	4.8 J	1.7 J	4.7 J			05/17/12	CMF	EPA200.8
Nickel, ug/l	0.06	50.0				2.9 J	4.3 J	05/18/12	LFJ	EPA200.8
Selenium, ug/l	0.17	10.0	4.3 J	1.6 J	5.0 J			05/17/12	CMF	EPA200.8
Selenium, ug/l	0.17	10.0				1.5 J	4.3 J	05/18/12	LFJ	EPA200.8
Silver, ug/l	0.10	10.0	--- U	--- U	--- U			05/17/12	CMF	EPA200.8
Silver, ug/l	0.10	10.0				--- U	--- U	05/18/12	LFJ	EPA200.8
Thallium, ug/l	0.07	5.5	0.10 J	--- U	--- U			05/17/12	CMF	EPA200.8
Thallium, ug/l	0.07	5.5				0.10 J	0.26 J	05/18/12	LFJ	EPA200.8
Tin, ug/l	0.10	100.0	0.24 J					05/17/12	CMF	EPA200.8
Vanadium, ug/l	0.10	25.0	2.0 J	7.2 J	5.6 J			05/17/12	CMF	EPA200.8
Vanadium, ug/l	0.10	25.0				3.0 J	1.3 J	05/18/12	LFJ	EPA200.8
Zinc, ug/l	0.48	10.0	5.7 J	4.7 J	6.6 J			05/17/12	CMF	EPA200.8
Zinc, ug/l	0.48	10.0				0.91 J	0.66 J	05/18/12	LFJ	EPA200.8
Turbidity, NTU	1.0	1.0	80	33	190	11	35	05/14/12	MEL	SM2130B
Sulfide, ug/l	100	1000	--- U					05/21/12	LFJ	SM4500-S2D
Conductivity (at 25c), uMhos/cm	1.0	1.0	1746	930	1569	1111	1471	05/14/12	RJH	SM2510B
Temperature, °C			16	17	17	17	17	05/14/12	RJH	SM2550B
Static Water Level, feet			11.62	6.95	6.80	9.73	8.61	05/14/12	RJH	
Well Depth, feet			23.44	15.98	21.06	16.65	16.33	05/14/12	RJH	

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

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

ID#: 6003

JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH ,NC 27604

DATE COLLECTED: 05/14/12
DATE REPORTED : 06/21/12

REVIEWED BY:

PARAMETERS	MDL	SWSL	MW-8	Well #1 Shallow	Well #2 Shallow	Well #3 Shallow	Trip Blank	Analysis Date	Analyst	Method Code
PH (field measurement), Units			6.3	6.2	5.9	6.4		05/14/12	RJH	SM4500HB
Cyanide, ug/l	5.0	10.0	--- U			--- U		05/17/12	SEJ	SM4500 CNE
Antimony, ug/l	0.02	6.0	0.13 J	0.12 J	0.12 J	0.27 J		05/18/12	LFJ	EPA200.8
Arsenic, ug/l	0.13	10.0	5.8 J	0.88 J	6.1 J	4.2 J		05/18/12	LFJ	EPA200.8
Barium, ug/l	0.07	100.0	142	68.3 J	166	342		05/18/12	LFJ	EPA200.8
Beryllium, ug/l	0.07	1.0	0.13 J	0.19 J	0.17 J	--- U		05/18/12	LFJ	EPA200.8
Cadmium, ug/l	0.03	1.0	0.06 J	--- U	0.25 J	0.04 J		05/18/12	LFJ	EPA200.8
Cobalt, ug/l	0.02	10.0	31	0.38 J	7.0 J	2.6 J		05/18/12	LFJ	EPA200.8
Copper, ug/l	0.06	10.0	1.1 J	0.87 J	1.3 J	0.91 J		05/18/12	LFJ	EPA200.8
Total Chromium, ug/l	0.18	10.0	1.7 J	0.91 J	1.7 J	1.0 J		05/18/12	LFJ	EPA200.8
Lead, ug/l	0.08	10.0	0.20 J	1.1 J	1.3 J	0.22 J		05/18/12	LFJ	EPA200.8
Mercury, ug/l	0.02	0.20	0.04 J			0.09 J		05/18/12	LFJ	EPA200.8
Nickel, ug/l	0.06	50.0	7.2 J	2.6 J	4.4 J	3.6 J		05/18/12	LFJ	EPA200.8
Selenium, ug/l	0.17	10.0	4.5 J	1.7 J	13	3.8 J		05/18/12	LFJ	EPA200.8
Silver, ug/l	0.10	10.0	--- U	--- U	--- U	--- U		05/18/12	LFJ	EPA200.8
Thallium, ug/l	0.07	5.5	--- U	0.35 J	0.22 J	--- U		05/18/12	LFJ	EPA200.8
Tin, ug/l	0.10	100.0	--- U			0.15 J		05/18/12	LFJ	EPA200.8
Vanadium, ug/l	0.10	25.0	1.3 J	1.7 J	2.0 J	1.4 J		05/18/12	LFJ	EPA200.8
Zinc, ug/l	0.48	10.0	3.2 J	1.4 J	2.0 J	0.72 J		05/18/12	LFJ	EPA200.8
Turbidity, NTU	1.0	1.0	450	14	75	280		05/14/12	MEL	SM2130B
Sulfide, ug/l	100	1000	--- U			137 J		05/21/12	LFJ	SM4500-S2D
Conductivity (at 25c), uMhos/cm	1.0	1.0	1546	918	1990	1553		05/14/12	RJH	SM2510B
Temperature, °C			19	17	17	18		05/14/12	RJH	SM2550B
Static Water Level, feet			9.85	8.87	11.01	12.49		05/14/12	RJH	
Well Depth, feet			20.36	17.21	16.57	22.24		05/14/12	RJH	

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

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH, NC 27604

CLIENT ID: 6003

ANALYST: CHS
DATE COLLECTED: 05/14/12
DATE EXTRACTED: 05/16/12
DATE ANALYZED: 06/18/12
DATE REPORTED: 06/21/12

REVIEWED BY:

PESTICIDES AND PCB'S
EPA METHOD 8081B

PARAMETERS, ug/l	MDL	SWSL	MW-3A	MW-8	Well #3 Shallow
1. Aldrin	0.029	0.05	--- U	--- U	--- U
2. Alpha-BHC	0.032	0.05	--- U	--- U	--- U
3. Beta-BHC	0.031	0.05	--- U	--- U	--- U
4. Delta-BHC	0.030	0.05	--- U	--- U	--- U
5. Gamma-BHC (Lindane)	0.032	0.05	--- U	--- U	--- U
6. Chlordane	0.320	0.50	--- U	--- U	--- U
7. 4,4-DDD	0.051	0.10	--- U	--- U	--- U
8. 4,4-DDE	0.049	0.10	--- U	--- U	--- U
9. 4,4-DDT	0.052	0.10	--- U	--- U	--- U
10. Dieldrin	0.042	0.075	--- U	--- U	--- U
11. Endosulfan I	0.056	0.10	--- U	--- U	--- U
12. Endosulfan II	0.046	0.10	--- U	--- U	--- U
13. Endosulfan Sulfate	0.072	0.10	--- U	--- U	--- U
14. Endrin	0.053	0.10	--- U	--- U	--- U
15. Endrin Aldehyde	0.068	0.10	--- U	--- U	--- U
16. Heptachlor	0.039	0.05	--- U	--- U	--- U
17. Heptachlor Epoxide	0.042	0.075	--- U	--- U	--- U
18. Methoxychlor	0.530	1.00	--- U	--- U	--- U
19. Pcb's (Aroclors)	0.500	2.00	--- U	--- U	--- U
20. Toxaphene	0.690	1.50	--- U	--- U	--- U

NOTE: Surrogate spike recoveries outside control limits due to matrix interference

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

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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CLIENT: JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH, NC 27604

CLIENT ID: 6003

ANALYST: CHS
DATE COLLECTED: 05/14/12
DATE EXTRACTED: 05/18/12
DATE ANALYZED: 06/18/12
DATE REPORTED: 06/21/12

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8151A

PARAMETERS, ug/l	MDL	SWSL	MW-3A	MW-8	Well #3 Shallow
1. 2,4-D	0.36	2.0	--- U	0.86 J	--- U
2. Dinoseb	0.54	1.0	--- U	--- U	--- U
3. 2,4,5-TP	0.42	2.0	--- U	--- U	--- U
4. 2,4,5-T	0.47	2.0	--- U	0.77 J	--- U

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

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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CLIENT: JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH, NC 27604

CLIENT ID: 6003

ANALYST: MAO
DATE COLLECTED: 05/14/12
DATE REPORTED: 06/21/12

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	05/14/12 MW-4	05/14/12 MW-5	05/14/12 MW-6	05/14/12 MW-7	05/15/12 Well #1 Shallow
	Date Analyzed:						
1. Chloromethane	0.77	1.0	--- U	--- U	--- U	--- U	--- U
2. Vinyl Chloride	0.63	1.0	--- U	--- U	--- U	--- U	--- U
3. Bromomethane	0.67	10.0	--- U	--- U	--- U	--- U	--- U
4. Chloroethane	0.48	10.0	--- U	--- U	--- U	--- U	--- U
5. Trichlorofluoromethane	0.24	1.0	--- U	--- U	--- U	--- U	--- U
6. 1,1-Dichloroethene	0.17	5.0	--- U	--- U	--- U	--- U	--- U
7. Acetone	9.06	100.0	--- U	--- U	--- U	--- U	--- U
8. Iodomethane	0.26	10.0	--- U	--- U	--- U	--- U	--- U
9. Carbon Disulfide	0.23	100.0	--- U	--- U	--- U	--- U	--- U
10. Methylene Chloride	0.64	1.0	--- U	--- U	--- U	--- U	--- U
11. trans-1,2-Dichloroethene	0.23	5.0	--- U	--- U	--- U	--- U	--- U
12. 1,1-Dichloroethane	0.20	5.0	--- U	--- U	--- U	--- U	--- U
13. Vinyl Acetate	0.20	50.0	--- U	--- U	--- U	--- U	--- U
14. Cis-1,2-Dichloroethene	0.25	5.0	--- U	--- U	--- U	--- U	--- U
15. 2-Butanone	2.21	100.0	--- U	--- U	--- U	--- U	--- U
16. Bromochloromethane	0.27	3.0	--- U	--- U	--- U	--- U	--- U
17. Chloroform	0.25	5.0	--- U	--- U	--- U	--- U	--- U
18. 1,1,1-Trichloroethane	0.19	1.0	--- U	--- U	--- U	--- U	--- U
19. Carbon Tetrachloride	0.22	1.0	--- U	--- U	--- U	--- U	--- U
20. Benzene	0.24	1.0	--- U	--- U	--- U	--- U	0.40 J
21. 1,2-Dichloroethane	0.27	1.0	--- U	--- U	--- U	--- U	--- U
22. Trichloroethene	0.23	1.0	--- U	--- U	--- U	--- U	--- U
23. 1,2-Dichloropropane	0.21	1.0	--- U	--- U	--- U	--- U	--- U
24. Bromodichloromethane	0.21	1.0	--- U	--- U	--- U	--- U	--- U
25. Cis-1,3-Dichloropropene	0.24	1.0	--- U	--- U	--- U	--- U	--- U
26. 4-Methyl-2-Pentanone	1.19	100.0	--- U	--- U	--- U	--- U	--- U
27. Toluene	0.23	1.0	--- U	--- U	--- U	--- U	--- U
28. trans-1,3-Dichloropropene	0.28	1.0	--- U	--- U	--- U	--- U	--- U
29. 1,1,2-Trichloroethane	0.25	1.0	--- U	--- U	--- U	--- U	--- U
30. Tetrachloroethene	0.17	1.0	--- U	--- U	--- U	--- U	--- U
31. 2-Hexanone	1.57	50.0	--- U	--- U	--- U	--- U	--- U
32. Dibromochloromethane	0.24	3.0	--- U	--- U	--- U	--- U	--- U
33. 1,2-Dibromoethane	0.26	1.0	--- U	--- U	--- U	--- U	--- U
34. Chlorobenzene	0.30	3.0	--- U	--- U	--- U	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.22	5.0	--- U	--- U	--- U	--- U	--- U
36. Ethylbenzene	0.21	1.0	--- U	--- U	--- U	--- U	--- U
37. Xylenes	0.68	5.0	--- U	--- U	--- U	--- U	--- U
38. Dibromomethane	0.28	10.0	--- U	--- U	--- U	--- U	--- U
39. Styrene	0.19	1.0	--- U	--- U	--- U	--- U	--- U
40. Bromoform	0.20	3.0	--- U	--- U	--- U	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.26	3.0	--- U	--- U	--- U	--- U	--- U
42. 1,2,3-Trichloropropane	0.43	1.0	--- U	--- U	--- U	--- U	--- U
43. 1,4-Dichlorobenzene	0.39	1.0	--- U	--- U	--- U	--- U	--- U
44. 1,2-Dichlorobenzene	0.32	5.0	--- U	--- U	--- U	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.34	13.0	--- U	--- U	--- U	--- U	--- U
46. Acrylonitrile	2.72	200.0	--- U	--- U	--- U	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.42	100.0	--- U	--- U	--- U	--- U	--- U

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

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

PHONE (252) 756-6208
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CLIENT: JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH, NC 27604

CLIENT ID: 6003

ANALYST: MAO
DATE COLLECTED: 05/14/12
DATE REPORTED: 06/21/12

REVIEWED BY: _____

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	Date Analyzed: 05/14/12 MW-4	05/14/12 MW-5	05/14/12 MW-6	05/14/12 MW-7	05/15/12 Well #1 Shallow
48. Tetrahydrofuran	0.39	1.0	1.40	1.70	2.70	6.40	1.80

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

Environment 1, Incorporated

Drinking Water ID: 37715
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CLIENT: JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH, NC 27604

CLIENT ID: 6003

ANALYST: MAO
DATE COLLECTED: 05/14/12
DATE REPORTED: 06/21/12

REVIEWED BY: _____

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	Date Analyzed: MDL	SWSL	05/15/12 Well #2 Shallow
1. Chloromethane	0.77	1.0	--- U
2. Vinyl Chloride	0.63	1.0	--- U
3. Bromomethane	0.67	10.0	--- U
4. Chloroethane	0.48	10.0	--- U
5. Trichlorofluoromethane	0.24	1.0	--- U
6. 1,1-Dichloroethene	0.17	5.0	--- U
7. Acetone	9.06	100.0	--- U
8. Iodomethane	0.26	10.0	--- U
9. Carbon Disulfide	0.23	100.0	--- U
10. Methylene Chloride	0.64	1.0	--- U
11. trans-1,2-Dichloroethene	0.23	5.0	--- U
12. 1,1-Dichloroethane	0.20	5.0	--- U
13. Vinyl Acetate	0.20	50.0	--- U
14. Cis-1,2-Dichloroethene	0.25	5.0	--- U
15. 2-Butanone	2.21	100.0	--- U
16. Bromochloromethane	0.27	3.0	--- U
17. Chloroform	0.25	5.0	--- U
18. 1,1,1-Trichloroethane	0.19	1.0	--- U
19. Carbon Tetrachloride	0.22	1.0	--- U
20. Benzene	0.24	1.0	--- U
21. 1,2-Dichloroethane	0.27	1.0	--- U
22. Trichloroethene	0.23	1.0	--- U
23. 1,2-Dichloropropane	0.21	1.0	--- U
24. Bromodichloromethane	0.21	1.0	--- U
25. Cis-1,3-Dichloropropene	0.24	1.0	--- U
26. 4-Methyl-2-Pentanone	1.19	100.0	--- U
27. Toluene	0.23	1.0	--- U
28. trans-1,3-Dichloropropene	0.28	1.0	--- U
29. 1,1,2-Trichloroethane	0.25	1.0	--- U
30. Tetrachloroethene	0.17	1.0	--- U
31. 2-Hexanone	1.57	50.0	--- U
32. Dibromochloromethane	0.24	3.0	--- U
33. 1,2-Dibromoethane	0.26	1.0	--- U
34. Chlorobenzene	0.30	3.0	--- U
35. 1,1,1,2-Tetrachloroethane	0.22	5.0	--- U
36. Ethylbenzene	0.21	1.0	--- U
37. Xylenes	0.68	5.0	--- U
38. Dibromomethane	0.28	10.0	--- U
39. Styrene	0.19	1.0	--- U
40. Bromoform	0.20	3.0	--- U
41. 1,1,2,2-Tetrachloroethane	0.26	3.0	--- U
42. 1,2,3-Trichloropropane	0.43	1.0	--- U
43. 1,4-Dichlorobenzene	0.39	1.0	--- U
44. 1,2-Dichlorobenzene	0.32	5.0	--- U
45. 1,2-Dibromo-3-Chloropropane	0.34	13.0	--- U
46. Acrylonitrile	2.72	200.0	--- U
47. trans-1,4-Dichloro-2-Butene	0.42	100.0	--- U

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

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH, NC 27604

CLIENT ID: 6003

ANALYST: MAO
DATE COLLECTED: 05/14/12
DATE REPORTED: 06/21/12

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	Date Analyzed: 05/15/12 Well #2 Shallow
48. Tetrahydrofuran	0.39	1.0	2.40

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

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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CLIENT: JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH, NC 27604

CLIENT ID: 6003

ANALYST: CHS
DATE COLLECTED: 05/14/12
DATE EXTRACTED: 05/15/12
DATE ANALYZED: 05/25/12
DATE REPORTED: 06/21/12

REVIEWED BY: _____

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MDL	SWSL	MW-3A	MW-8	Well #3 Shallow
1. Acenaphthene	2.66	10.0	--- U	--- U	--- U
2. Acenaphthylene	2.60	10.0	--- U	--- U	--- U
3. Anthracene	2.97	10.0	--- U	--- U	--- U
4. Benzo[a]antrhacene	4.16	10.0	--- U	--- U	--- U
5. Benzo[b]fluoranthene	3.32	10.0	--- U	--- U	--- U
6. Benzo[k]fluoranthene	4.23	10.0	--- U	--- U	--- U
7. Benzo[g,h,i]perylene	2.61	10.0	--- U	--- U	--- U
8. Benzo[a]pyrene	3.27	10.0	--- U	--- U	--- U
9. 4-Bromophenyl Phenyl Ether	2.63	10.0	--- U	--- U	--- U
10. Butyl Benzyl Phthalate	5.78	10.0	--- U	--- U	--- U
11. Bis-(2-Chloroethoxy) Methane	3.14	10.0	--- U	--- U	--- U
12. Bis-(2-Chloroethyl) Ether	2.58	10.0	--- U	--- U	--- U
13. Bis-(2-Chloroisopropyl) Ether	2.58	10.0	--- U	--- U	--- U
14. 2-Chloronaphthalene	2.17	10.0	--- U	--- U	--- U
15. 4-Chlorophenyl Phenyl Ether	2.42	10.0	--- U	--- U	--- U
16. Chrysene	4.04	10.0	--- U	--- U	--- U
17. Dibenzo[a,h]anthracene	2.78	10.0	--- U	--- U	--- U
18. Di-N-Butyl Phthalate	3.09	10.0	--- U	--- U	--- U
19. Dimethyl Phthalate	3.78	10.0	--- U	--- U	--- U
20. Diethyl Phthalate	3.92	10.0	--- U	--- U	--- U
21. 2,4-Dinitrotoluene	3.95	10.0	--- U	--- U	--- U
22. 2,6-Dinitrotoluene	3.88	10.0	--- U	--- U	--- U
23. Di-N-Octyl Phthalate	2.81	10.0	--- U	--- U	--- U
24. Bis-(2-Ethylhexyl) Phthalate	9.97	15.0	--- U	--- U	--- U
25. Fluoranthene	3.92	10.0	--- U	--- U	--- U
26. Fluorene	2.95	10.0	--- U	--- U	--- U
27. Hexachlorobenzene	2.61	10.0	--- U	--- U	--- U
28. Hexachlorocyclopentadiene	4.16	10.0	--- U	--- U	--- U
29. Indeno[1,2,3-Cd]pyrene	2.91	10.0	--- U	--- U	--- U
30. Isophorone	3.74	10.0	--- U	--- U	--- U
31. Nitrobenzene	2.85	10.0	--- U	--- U	--- U
32. N-Nitrosodimethylamine	4.25	10.0	--- U	--- U	--- U
33. N-Nitrosodiphenylamine	3.95	10.0	--- U	--- U	--- U
34. N-Nitrosodi-N-Propylamine	4.06	10.0	--- U	--- U	--- U
35. Phenanthrene	3.24	10.0	--- U	--- U	--- U
36. Pyrene	3.63	10.0	--- U	--- U	--- U
37. 4-Chloro-3-Methylphenol	3.79	20.0	--- U	--- U	--- U
38. 2-Chlorophenol	2.75	10.0	--- U	--- U	--- U
39. O-Cresol	3.68	10.0	--- U	--- U	--- U
40. P-Cresol	4.12	10.0	--- U	--- U	--- U
41. 2,4-Dichlorophenol	5.19	10.0	--- U	--- U	--- U
42. 2,6-Dichlorophenol	4.89	10.0	--- U	--- U	--- U
43. 2,4-Dimethylphenol	3.21	10.0	--- U	--- U	--- U
44. 4,6-Dinitro-2-Methylphenol	4.77	50.0	--- U	--- U	--- U
45. 2,4-Dinitrophenol	4.37	50.0	--- U	--- U	--- U
46. Ethyl Methanesulfonate	5.26	20.0	--- U	--- U	--- U
47. Methyl Methanesulfonate	4.92	10.0	--- U	--- U	--- U
48. 2-Nitrophenol	3.64	10.0	--- U	--- U	--- U

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

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH, NC 27604

CLIENT ID: 6003

ANALYST: CHS
DATE COLLECTED: 05/14/12
DATE EXTRACTED: 05/15/12
DATE ANALYZED: 05/25/12
DATE REPORTED: 06/21/12

REVIEWED BY:

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MDL	SWSL	MW-3A	MW-8	Well #3 Shallow
49. 4-Nitrophenol	3.17	50.0	--- U	--- U	--- U
50. Pentachlorophenol	5.33	25.0	--- U	--- U	--- U
51. Phenol	1.86	10.0	--- U	--- U	--- U
52. 2,3,4,6-Tetrachlorophenol	3.12	10.0	--- U	--- U	--- U
53. 2,4,5-Trichlorophenol	4.17	10.0	--- U	--- U	--- U
54. 2,4,6-Trichlorophenol	3.84	10.0	--- U	--- U	--- U
55. Acetophenone	2.89	10.0	--- U	--- U	--- U
56. 2-Acetylaminofluorene	3.98	20.0	--- U	--- U	--- U
57. 4-Aminobiphenyl	4.12	20.0	--- U	--- U	--- U
58. Benzyl Alcohol	4.47	20.0	--- U	--- U	--- U
59. 4-Chloroaniline	3.36	20.0	--- U	--- U	--- U
60. Chlorobenzilate	5.12	10.0	--- U	--- U	--- U
61. Diallate	2.98	10.0	--- U	--- U	--- U
62. Dibenzofuran	4.28	10.0	--- U	--- U	--- U
63. 3,3-Dichlorobenzidine	4.22	20.0	--- U	--- U	--- U
64. Dimethoate	3.98	20.0	--- U	--- U	--- U
65. P-Dimethylaminoazobenzene	2.89	10.0	--- U	--- U	--- U
66. 7,12-Dimethylbenz[a]anthracene	5.26	10.0	--- U	--- U	--- U
67. 3,3-Dimethylbenzadine	3.21	10.0	--- U	--- U	--- U
68. 1,3-Dinitrobenzene	2.89	20.0	--- U	--- U	--- U
69. Diphenylamine	5.10	10.0	--- U	--- U	--- U
70. Disulfoton	4.28	10.0	--- U	--- U	--- U
71. Famphur	3.98	20.0	--- U	--- U	--- U
72. Hexachloropropene	4.31	10.0	--- U	--- U	--- U
73. Isosafrole	2.88	10.0	--- U	--- U	--- U
74. Kepone	2.78	20.0	--- U	--- U	--- U
75. Methapyrilene	3.54	100.0	--- U	--- U	--- U
76. 3-Methylchloroanthrene	4.21	10.0	--- U	--- U	--- U
77. 2-Methylnaphthalene	3.79	10.0	--- U	--- U	--- U
78. Methyl Parathion	4.32	10.0	--- U	--- U	--- U
79. m-Cresol	3.81	10.0	--- U	--- U	--- U
80. 1,4-Naphthoquinone	4.00	10.0	--- U	--- U	--- U
81. 1-Naphthylamine	5.61	10.0	--- U	--- U	--- U
82. 2-Naphthylamine	4.62	10.0	--- U	--- U	--- U
83. 2-Nitroaniline	3.61	50.0	--- U	--- U	--- U
84. 3-Nitroaniline	4.81	50.0	--- U	--- U	--- U
85. 4-Nitroaniline	4.22	20.0	--- U	--- U	--- U
86. 5-Nitro-O-Toluidine	4.01	10.0	--- U	--- U	--- U
87. N-Nitrosodi-n-butylamine	3.63	10.0	--- U	--- U	--- U
88. N-Nitrosodiethylamine	3.83	20.0	--- U	--- U	--- U
89. N-Nitrosomethylethylamine	3.83	10.0	--- U	--- U	--- U
90. N-Nitrosopiperidine	5.19	20.0	--- U	--- U	--- U
91. N-Nitrosopyrrolidine	2.89	10.0	--- U	--- U	--- U
92. Parathion	3.12	10.0	--- U	--- U	--- U
93. Pentachlorobenzene	3.92	10.0	--- U	--- U	--- U
94. Pentachloronitrobenzene	3.71	20.0	--- U	--- U	--- U
95. Phenacetin	4.41	20.0	--- U	--- U	--- U
96. 1,4 Benzenediamine	2.99	10.0	--- U	--- U	--- U

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

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH, NC 27604

CLIENT ID: 6003

ANALYST: CHS
DATE COLLECTED: 05/14/12
DATE EXTRACTED: 05/15/12
DATE ANALYZED: 05/25/12
DATE REPORTED: 06/21/12

REVIEWED BY:

SEMI-VOLATILE ORGANICS
EPA METHOD 8270C

PARAMETERS, ug/l	MDL	SWSL	MW-3A	MW-8	Well #3 Shallow
97. Phorate	3.86	10.0	--- U	--- U	--- U
98. Pronamide	3.69	10.0	--- U	--- U	--- U
99. Safrole	4.12	10.0	--- U	--- U	--- U
100. 1,2,4,5-Tetrachlorobenzene	5.01	10.0	--- U	--- U	--- U
101. Thionazin	4.62	20.0	--- U	--- U	--- U
102. O-Toluidine	4.11	10.0	--- U	--- U	--- U
103. 1,3,5-Trinitrobenzene	3.98	10.0	--- U	--- U	--- U
104. 0,0,0-Triethyl Phosphorothioate	3.61	10.0	--- U	--- U	--- U
105. Hexachloroethane	1.49	10.0	--- U	--- U	--- U
106. Isodrin	3.11	20.0	--- U	--- U	--- U

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C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH, NC 27604

CLIENT ID: 6003

ANALYST: MAO
DATE COLLECTED: 05/14/12
DATE REPORTED: 06/21/12

REVIEWED BY:

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	Date Analyzed: 05/14/12 MW-3A	05/15/12 MW-8	05/15/12 Well #3 Shallow	05/21/12 Trip Blank
1. Chloromethane	0.77	1.0	--- U	--- U	--- U	--- U
2. Vinyl Chloride	0.63	1.0	--- U	--- U	--- U	--- U
3. Bromomethane	0.67	10.0	--- U	--- U	--- U	--- U
4. Chloroethane	0.48	10.0	--- U	--- U	--- U	--- U
5. Trichlorofluoromethane	0.24	1.0	--- U	--- U	--- U	--- U
6. 1,1-Dichloroethene	0.17	5.0	--- U	--- U	--- U	--- U
7. Acetone	9.06	100.0	--- U	--- U	--- U	--- U
8. Iodomethane	0.26	10.0	--- U	--- U	--- U	--- U
9. Carbon Disulfide	0.23	100.0	--- U	--- U	--- U	--- U
10. Methylene Chloride	0.64	1.0	--- U	--- U	--- U	--- U
11. trans-1,2-Dichloroethene	0.23	5.0	--- U	--- U	--- U	--- U
12. 1,1-Dichloroethane	0.20	5.0	--- U	--- U	--- U	--- U
13. Vinyl Acetate	0.20	50.0	--- U	--- U	--- U	--- U
14. Cis-1,2-Dichloroethene	0.25	5.0	--- U	--- U	--- U	--- U
15. 2-Butanone	2.21	100.0	--- U	--- U	--- U	--- U
16. Bromochloromethane	0.27	3.0	--- U	--- U	--- U	--- U
17. Chloroform	0.25	5.0	--- U	--- U	--- U	--- U
18. 1,1,1-Trichloroethane	0.19	1.0	--- U	--- U	--- U	--- U
19. Carbon Tetrachloride	0.22	1.0	--- U	--- U	--- U	--- U
20. Benzene	0.24	1.0	0.60 J	1.10	1.00	--- U
21. 1,2-Dichloroethane	0.21	1.0	--- U	--- U	--- U	--- U
22. Trichloroethene	0.23	1.0	--- U	--- U	--- U	--- U
23. 1,2-Dichloropropane	0.21	1.0	--- U	--- U	--- U	--- U
24. Bromodichloromethane	0.21	1.0	--- U	--- U	--- U	--- U
25. Cis-1,3-Dichloropropene	0.24	1.0	--- U	--- U	--- U	--- U
26. 4-Methyl-2-Pentanone	1.19	100.0	--- U	--- U	--- U	--- U
27. Toluene	0.23	1.0	--- U	--- U	--- U	--- U
28. trans-1,3-Dichloropropene	0.28	1.0	--- U	--- U	--- U	--- U
29. 1,1,2-Trichloroethane	0.25	1.0	--- U	--- U	--- U	--- U
30. Tetrachloroethene	0.17	1.0	--- U	--- U	--- U	--- U
31. 2-Hexanone	1.57	50.0	--- U	--- U	--- U	--- U
32. Dibromochloromethane	0.24	3.0	--- U	--- U	--- U	--- U
33. 1,2-Dibromoethane	0.26	1.0	--- U	--- U	--- U	--- U
34. Chlorobenzene	0.30	3.0	--- U	--- U	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.22	5.0	--- U	--- U	--- U	--- U
36. Ethylbenzene	0.21	1.0	--- U	--- U	--- U	--- U
37. Xylenes	0.68	5.0	--- U	--- U	--- U	--- U
38. Dibromomethane	0.28	10.0	--- U	--- U	--- U	--- U
39. Styrene	0.19	1.0	--- U	--- U	--- U	--- U
40. Bromoform	0.20	3.0	--- U	--- U	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.26	3.0	--- U	--- U	--- U	--- U
42. 1,2,3-Trichloropropane	0.43	1.0	--- U	--- U	--- U	--- U
43. 1,4-Dichlorobenzene	0.39	1.0	--- U	--- U	--- U	--- U
44. 1,2-Dichlorobenzene	0.32	5.0	--- U	--- U	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.34	13.0	--- U	--- U	--- U	--- U
46. Acrylonitrile	2.72	200.0	--- U	--- U	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.42	100.0	--- U	--- U	--- U	--- U

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

Environment 1, Incorporated

Drinking Water ID: 37715
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CLIENT: JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH, NC 27604

CLIENT ID: 6003

ANALYST: MAO
DATE COLLECTED: 05/14/12
DATE REPORTED: 06/21/12

REVIEWED BY: _____

LANDFILL APPENDIX II
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	05/14/12 MW-3A	05/15/12 MW-8	05/15/12 Well #3 Shallow	05/21/12 Trip Blank
	Date Analyzed:					
48. Acrolein	40.57	53.0	--- U	--- U	--- U	--- U
49. Allyl Chloride	0.20	10.0	--- U	--- U	--- U	--- U
50. Chloroprene	0.21	20.0	--- U	--- U	--- U	--- U
51. 1,3-Dichlorobenzene	0.41	5.0	--- U	--- U	--- U	--- U
52. Dichlorodifluoromethane	0.51	5.0	--- U	--- U	--- U	--- U
53. 1,3-Dichloropropane	0.28	1.0	--- U	--- U	--- U	--- U
54. 2,2-Dichloropropane	0.17	15.0	--- U	--- U	--- U	--- U
55. 1,1-Dichloropropene	0.22	5.0	--- U	--- U	--- U	--- U
56. Ethyl Methacrylate	0.16	10.0	--- U	--- U	--- U	--- U
57. Hexachlorobutadiene	0.57	10.0	--- U	--- U	--- U	--- U
58. Isobutyl Alcohol	12.80	100.0	--- U	--- U	--- U	--- U
59. Methacrylonitrile	1.93	100.0	--- U	--- U	--- U	--- U
60. Methyl Methacrylate	0.25	30.0	--- U	--- U	--- U	--- U
61. Naphthalene	0.47	10.0	--- U	--- U	--- U	--- U
62. Propionitrile	3.26	150.0	--- U	--- U	--- U	--- U
63. 1,2,4-Trichlorobenzene	0.50	10.0	--- U	--- U	--- U	--- U
64. Acetonitrile	36.29	55.0	--- U	--- U	--- U	--- U
65. Tetrahydrofuran	0.39	1.0	5.10	5.20	4.40	--- U

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

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

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

CHAIN OF CUSTODY RECORD

CLIENT: 6003 **Week:** 21

JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH NC 27604

(919) 231-1818

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	Turbidity	Sulfide	Conductivity	Temperature	Field Parameter	EPA 8260B	8260 Dup. 1	8260 Dup. 2	EPA 8270C	8270C Dup. 1	EPA 8081B	8081B Duplicate	8260B App. II
							Yes															
								>12	12		>9				12	12	12					12
							P	P	P	P	P	P	P		G	G	G	G	G	G	G	G
							A	D	A	A	F D	A	A		E	E	E	A	A	A	A	E
MW-3A	05	14 12	0935		16	12	G	G	G	G	G	G	G	G				G	G	G	G	G
MW-4	05	14 12	1105		17	6	G		G	G		G	G	G	G	G	G					
MW-5	05	14 12	1010		17	5	G		G	G		G	G	G	G	G						
MW-6	05	14 12	1050		17	5	G		G	G		G	G	G	G	G						
MW-7	05	14 12	1105		17	5	G		G	G		G	G	G	G	G						
MW-8	05	14 12	0905		19	12	G	G	G	G	G	G	G	G				G	G	G	G	G
Well #1 Shallow	05	14 12	0830		17	5	G		G	G		G	G	G	G	G						
Well #2 Shallow	05	14 12	1020		17	5	G		G	G		G	G	G	G	G						
Well #3 Shallow	05	14 12	1000		18	12	G	G	G	G	G	G	G	G				G	G	G	G	G
Trip Blank						2																

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

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

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

SAMPLES COLLECTED BY: (Please Print) [signature]

SAMPLES RECEIVED IN LAB AT 6.2 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
[signature] 05	14 12	[signature]	5/14 304
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:
WELL ID SEPERATION
JUST UNDER 5'

PLEASE READ Instructions for completing this form 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

№ 241044

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: 6003 **Week:** 21

JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH NC 27604

(919) 231-1818

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

SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	8260 App. II 1	8151A Landfill
						62	
						G	G
						E	A
MW-3A	05/14/12	0935		16	12	G	G
MW-4					6		
MW-5					5		
MW-6					5		
MW-7					5		
MW-8	05/14/12	0905		19	12	G	G
Well #1 Shallow					5		
Well #2 Shallow					5		
Well #3 Shallow	05/14/12	1000		18	12	G	G
Trip Blank					2		

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)
N Logue / [illegible]

SAMPLES RECEIVED IN LAB AT 0.2 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
N Logue	05/14/12	[illegible]	5/14 334
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:

PLEASE READ Instructions for completing this form on the reverse side.

FORM #5

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

№ 241043

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

ID#: 6003 A

JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH ,NC 27604

DATE COLLECTED: 05/14/12
DATE REPORTED : 06/06/12

REVIEWED BY:

PARAMETERS	MDL	SWSL	MW-9A	MW-10	MW-11	MW-13	MW-12s	Analysis Date	Analyst	Method Code
PH (field measurement), Units			7.2	6.5	6.7	5.8	6.2	05/14/12	RJH	SM4500HB
Antimony, ug/l	0.02	6.0	0.03 J	0.04 J	0.06 J	0.10 J	0.24 J	05/18/12	LFJ	EPA200.8
Arsenic, ug/l	0.13	10.0	0.50 J	1.1 J	0.41 J	0.62 J	24	05/18/12	LFJ	EPA200.8
Barium, ug/l	0.07	100.0	48.9 J	87.5 J	23.9 J	74.2 J	291	05/18/12	LFJ	EPA200.8
Beryllium, ug/l	0.07	1.0	--- U	0.09 J	0.08 J	0.12 J	--- U	05/18/12	LFJ	EPA200.8
Cadmium, ug/l	0.03	1.0	0.14 J	0.05 J	0.22 J	0.18 J	0.05 J	05/18/12	LFJ	EPA200.8
Cobalt, ug/l	0.02	10.0	0.06 J	0.45 J	0.22 J	1.5 J	0.72 J	05/18/12	LFJ	EPA200.8
Copper, ug/l	0.06	10.0	0.11 J	0.37 J	0.50 J	0.77 J	0.87 J	05/18/12	LFJ	EPA200.8
Total Chromium, ug/l	0.18	10.0	--- U	0.50 J	--- U	0.61 J	6.5 J	05/18/12	LFJ	EPA200.8
Lead, ug/l	0.08	10.0	--- U	0.74 J	0.09 J	1.0 J	0.90 J	05/18/12	LFJ	EPA200.8
Nickel, ug/l	0.06	50.0	0.23 J	2.3 J	3.4 J	3.4 J	5.6 J	05/18/12	LFJ	EPA200.8
Selenium, ug/l	0.17	10.0	--- U	0.93 J	0.72 J	0.64 J	3.7 J	05/18/12	LFJ	EPA200.8
Silver, ug/l	0.10	10.0	--- U	--- U	--- U	--- U	--- U	05/18/12	LFJ	EPA200.8
Thallium, ug/l	0.07	5.5	--- U	--- U	--- U	--- U	--- U	05/18/12	LFJ	EPA200.8
Vanadium, ug/l	0.10	25.0	0.96 J	5.9 J	0.78 J	2.2 J	6.9 J	05/18/12	LFJ	EPA200.8
Zinc, ug/l	0.48	10.0	0.66 J	--- U	1.7 J	8.1 J	--- U	05/18/12	LFJ	EPA200.8
Conductivity (at 25c), uMhos/cm	1.0	1.0	397	943	844	385	1861	05/14/12	RJH	SM2510B
Temperature, °C			17	17	17	19	18	05/14/12	RJH	SM2550B
Static Water Level, feet			6.91	4.40	4.16	8.83	5.12	05/14/12	RJH	
Well Depth, feet			23.17	22.73	23.84	22.68	22.93	05/14/12	RJH	

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

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

ID#: 6003 A

JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH ,NC 27604

DATE COLLECTED: 05/14/12
DATE REPORTED : 06/06/12

REVIEWED BY:

PARAMETERS	MDL	SWSL	MW-14S	Analysis Date	Analyst	Method Code
PH (field measurement), Units			6.1	05/14/12	RJH	SM4500HB
Antimony, ug/l	0.02	6.0	0.34 J	05/18/12	LFJ	EPA200.8
Arsenic, ug/l	0.13	10.0	4.0 J	05/18/12	LFJ	EPA200.8
Barium, ug/l	0.07	100.0	105	05/18/12	LFJ	EPA200.8
Beryllium, ug/l	0.07	1.0	2	05/18/12	LFJ	EPA200.8
Cadmium, ug/l	0.03	1.0	0.18 J	05/18/12	LFJ	EPA200.8
Cobalt, ug/l	0.02	10.0	3.4 J	05/18/12	LFJ	EPA200.8
Copper, ug/l	0.06	10.0	1.9 J	05/18/12	LFJ	EPA200.8
Total Chromium, ug/l	0.18	10.0	2.0 J	05/18/12	LFJ	EPA200.8
Lead, ug/l	0.08	10.0	11	05/18/12	LFJ	EPA200.8
Nickel, ug/l	0.06	50.0	5.2 J	05/18/12	LFJ	EPA200.8
Selenium, ug/l	0.17	10.0	1.4 J	05/18/12	LFJ	EPA200.8
Silver, ug/l	0.10	10.0	--- U	05/18/12	LFJ	EPA200.8
Thallium, ug/l	0.07	5.5	--- U	05/18/12	LFJ	EPA200.8
Vanadium, ug/l	0.10	25.0	31	05/18/12	LFJ	EPA200.8
Zinc, ug/l	0.48	10.0	6.2 J	05/18/12	LFJ	EPA200.8
Conductivity (at 25c), uMhos/cm	1.0	1.0	1157	05/14/12	RJH	SM2510B
Temperature, °C			18	05/14/12	RJH	SM2550B
Static Water Level, feet			4.61	05/14/12	RJH	
Well Depth, feet			23.12	05/14/12	RJH	

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

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH, NC 27604

CLIENT ID: 6003 A

ANALYST: MAO
DATE COLLECTED: 05/14/12
DATE ANALYZED: 05/21/12
DATE REPORTED: 06/06/12

REVIEWED BY: _____

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	MW-9A	MW-10	MW-11	MW-13	MW-12s
1. Chloromethane	0.77	1.0	--- U	--- U	--- U	--- U	--- U
2. Vinyl Chloride	0.63	1.0	--- U	--- U	--- U	--- U	0.80 J
3. Bromomethane	0.67	10.0	--- U	--- U	--- U	--- U	--- U
4. Chloroethane	0.48	10.0	--- U	--- U	--- U	--- U	1.10 J
5. Trichlorofluoromethane	0.24	1.0	--- U	--- U	--- U	--- U	--- U
6. 1,1-Dichloroethene	0.17	5.0	--- U	--- U	--- U	--- U	--- U
7. Acetone	9.06	100.0	--- U	--- U	--- U	--- U	--- U
8. Iodomethane	0.26	10.0	--- U	--- U	--- U	--- U	--- U
9. Carbon Disulfide	0.23	100.0	--- U	--- U	--- U	--- U	--- U
10. Methylene Chloride	0.64	1.0	--- U	--- U	--- U	--- U	--- U
11. trans-1,2-Dichloroethene	0.23	5.0	--- U	--- U	--- U	--- U	--- U
12. 1,1-Dichloroethane	0.20	5.0	--- U	--- U	--- U	--- U	--- U
13. Vinyl Acetate	0.20	50.0	--- U	--- U	--- U	--- U	--- U
14. Cis-1,2-Dichloroethene	0.25	5.0	--- U	--- U	--- U	--- U	8.50
15. 2-Butanone	2.21	100.0	--- U	--- U	--- U	--- U	--- U
16. Bromochloromethane	0.27	3.0	--- U	--- U	--- U	--- U	--- U
17. Chloroform	0.25	5.0	--- U	--- U	--- U	--- U	--- U
18. 1,1,1-Trichloroethane	0.19	1.0	--- U	--- U	--- U	--- U	--- U
19. Carbon Tetrachloride	0.22	1.0	--- U	--- U	--- U	--- U	--- U
20. Benzene	0.24	1.0	--- U	--- U	--- U	--- U	1.20
21. 1,2-Dichloroethane	0.27	1.0	--- U	--- U	--- U	--- U	1.10
22. Trichloroethene	0.23	1.0	--- U	--- U	--- U	--- U	0.40 J
23. 1,2-Dichloropropane	0.21	1.0	--- U	--- U	--- U	--- U	--- U
24. Bromodichloromethane	0.21	1.0	--- U	--- U	--- U	--- U	--- U
25. Cis-1,3-Dichloropropene	0.24	1.0	--- U	--- U	--- U	--- U	--- U
26. 4-Methyl-2-Pentanone	1.19	100.0	--- U	--- U	--- U	--- U	--- U
27. Toluene	0.23	1.0	--- U	--- U	--- U	--- U	0.60 J
28. trans-1,3-Dichloropropene	0.28	1.0	--- U	--- U	--- U	--- U	--- U
29. 1,1,2-Trichloroethane	0.25	1.0	--- U	--- U	--- U	--- U	--- U
30. Tetrachloroethene	0.17	1.0	--- U	--- U	--- U	--- U	--- U
31. 2-Hexanone	1.57	50.0	--- U	--- U	--- U	--- U	--- U
32. Dibromochloromethane	0.24	3.0	--- U	--- U	--- U	--- U	--- U
33. 1,2-Dibromoethane	0.26	1.0	--- U	--- U	--- U	--- U	--- U
34. Chlorobenzene	0.30	3.0	--- U	--- U	--- U	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.22	5.0	--- U	--- U	--- U	--- U	--- U
36. Ethylbenzene	0.21	1.0	--- U	--- U	--- U	--- U	2.10
37. Xylenes	0.68	5.0	--- U	--- U	--- U	--- U	3.30 J
38. Dibromomethane	0.28	10.0	--- U	--- U	--- U	--- U	--- U
39. Styrene	0.19	1.0	--- U	--- U	--- U	--- U	--- U
40. Bromoform	0.20	3.0	--- U	--- U	--- U	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.26	3.0	--- U	--- U	--- U	--- U	--- U
42. 1,2,3-Trichloropropane	0.43	1.0	--- U	--- U	--- U	--- U	--- U
43. 1,4-Dichlorobenzene	0.39	1.0	--- U	--- U	--- U	--- U	--- U
44. 1,2-Dichlorobenzene	0.32	5.0	--- U	--- U	--- U	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.34	13.0	--- U	--- U	--- U	--- U	--- U
46. Acrylonitrile	2.72	200.0	--- U	--- U	--- U	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.42	100.0	--- U	--- U	--- U	--- U	--- U
48. Tetrahydrofuran	0.39	1.0	--- U	--- U	18.40	--- U	2.50

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

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH, NC 27604

CLIENT ID: 6003 A

ANALYST: MAO
DATE COLLECTED: 05/14/12
DATE ANALYZED: 05/21/12
DATE REPORTED: 06/06/12

REVIEWED BY:

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	MW-14S
1. Chloromethane	0.77	1.0	--- U
2. Vinyl Chloride	0.63	1.0	--- U
3. Bromomethane	0.67	10.0	--- U
4. Chloroethane	0.48	10.0	--- U
5. Trichlorofluoromethane	0.24	1.0	--- U
6. 1,1-Dichloroethene	0.17	5.0	--- U
7. Acetone	9.06	100.0	--- U
8. Iodomethane	0.26	10.0	--- U
9. Carbon Disulfide	0.23	100.0	--- U
10. Methylene Chloride	0.64	1.0	--- U
11. trans-1,2-Dichloroethene	0.23	5.0	--- U
12. 1,1-Dichloroethane	0.20	5.0	--- U
13. Vinyl Acetate	0.20	50.0	--- U
14. Cis-1,2-Dichloroethene	0.25	5.0	--- U
15. 2-Butanone	2.21	100.0	--- U
16. Bromochloromethane	0.27	3.0	--- U
17. Chloroform	0.25	5.0	--- U
18. 1,1,1-Trichloroethane	0.19	1.0	--- U
19. Carbon Tetrachloride	0.22	1.0	--- U
20. Benzene	0.24	1.0	--- U
21. 1,2-Dichloroethane	0.27	1.0	--- U
22. Trichloroethene	0.23	1.0	--- U
23. 1,2-Dichloropropane	0.21	1.0	--- U
24. Bromodichloromethane	0.21	1.0	--- U
25. Cis-1,3-Dichloropropene	0.24	1.0	--- U
26. 4-Methyl-2-Pentanone	1.19	100.0	--- U
27. Toluene	0.23	1.0	--- U
28. trans-1,3-Dichloropropene	0.28	1.0	--- U
29. 1,1,2-Trichloroethane	0.25	1.0	--- U
30. Tetrachloroethene	0.17	1.0	--- U
31. 2-Hexanone	1.57	50.0	--- U
32. Dibromochloromethane	0.24	3.0	--- U
33. 1,2-Dibromoethane	0.26	1.0	--- U
34. Chlorobenzene	0.30	3.0	--- U
35. 1,1,1,2-Tetrachloroethane	0.22	5.0	--- U
36. Ethylbenzene	0.21	1.0	--- U
37. Xylenes	0.68	5.0	--- U
38. Dibromomethane	0.28	10.0	--- U
39. Styrene	0.19	1.0	--- U
40. Bromoform	0.20	3.0	--- U
41. 1,1,2,2-Tetrachloroethane	0.26	3.0	--- U
42. 1,2,3-Trichloropropane	0.43	1.0	--- U
43. 1,4-Dichlorobenzene	0.39	1.0	--- U
44. 1,2-Dichlorobenzene	0.32	5.0	--- U
45. 1,2-Dibromo-3-Chloropropane	0.34	13.0	--- U
46. Acrylonitrile	2.72	200.0	--- U
47. trans-1,4-Dichloro-2-Butene	0.42	100.0	--- U
48. Tetrahydrofuran	0.39	1.0	14.00

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

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

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

CHAIN OF CUSTODY RECORD

CLIENT: 6003 A **Week:** 21

JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH NC 27604

(919) 231-1818

DISINFECTION: ☐ CHLORINE ☐ UV ☐ NONE ☐ _____

																				CHLORINE NEUTRALIZED AT COLLECTION
										12			12	12	12					pH CHECK (LAB)
										P	P	P	P		G	G	G			CONTAINER TYPE, P/G
										A	A	A	A		E	E	E			CHEMICAL PRESERVATION
SAMPLE LOCATION	COLLECTION DATE	COLLECTION TIME	TOTAL CHLORINE, mg/l AT COLLECTION	TEMPERATURE, °C AT COLLECTION	# OF CONTAINERS	Field pH	Metals	Conductivity	Temperature	Field Parameter	EPA 8260B	8260 Dup. 1	8260 Dup. 2							PARAMETERS
MW-9A	05/14/12	1305		17	5	G	G	G	G	G	G	G	G							
MW-10	05/14/12	1135		17	4	G	G	G	G	G	G	G								
MW-11	05/14/12	1150		17	4	G	G	G	G	G	G	G								
MW-13	05/14/12	1225		19	4	G	G	G	G	G	G	G								
MW-12s	05/14/12	1205		18	4	G	G	G	G	G	G	G								
MW-14S	05/14/12	1230		18	4	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
- ☒ SOLID WASTE SECTION

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

SAMPLES COLLECTED BY: (Please Print) H Lgoe / fax

SAMPLES RECEIVED IN LAB AT 0.2 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
Bob Hlgoe	05/14/12	B	5/14/12
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:

PLEASE READ Instructions for completing this form 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.

№ 241042

FORM #5

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

ID#: 6003 C

JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH ,NC 27604

DATE COLLECTED: 05/14/12
DATE REPORTED : 06/06/12

REVIEWED BY:

PARAMETERS	MDL	SWSL	SW-1	SW-2	SW-3	SW-4	Analysis Date	Analyst	Method Code
PH (field measurement), Units			5.9	6.6	6.6	6.3	05/14/12	RJH	SM4500HB
Antimony, ug/l	0.02	6.0	0.13 J	0.09 J	0.05 J	0.04 J	05/18/12	LFJ	EPA200.8
Arsenic, ug/l	0.13	10.0	4.7 J	2.0 J	1.0 J	0.92 J	05/18/12	LFJ	EPA200.8
Barium, ug/l	0.07	100.0	78.8 J	84.8 J	60.8 J	74.3 J	05/18/12	LFJ	EPA200.8
Beryllium, ug/l	0.07	1.0	0.19 J	--- U	--- U	0.15 J	05/18/12	LFJ	EPA200.8
Cadmium, ug/l	0.03	1.0	0.17 J	--- U	--- U	--- U	05/18/12	LFJ	EPA200.8
Cobalt, ug/l	0.02	10.0	0.89 J	0.79 J	0.76 J	0.72 J	05/18/12	LFJ	EPA200.8
Copper, ug/l	0.06	10.0	2.3 J	1.2 J	0.34 J	0.42 J	05/18/12	LFJ	EPA200.8
Total Chromium, ug/l	0.18	10.0	2.6 J	1.4 J	0.38 J	1.00 J	05/18/12	LFJ	EPA200.8
Lead, ug/l	0.08	10.0	7.0 J	2.1 J	0.46 J	1.3 J	05/18/12	LFJ	EPA200.8
Nickel, ug/l	0.06	50.0	3.8 J	2.9 J	5.0 J	6.1 J	05/18/12	LFJ	EPA200.8
Selenium, ug/l	0.17	10.0	0.41 J	0.57 J	--- U	--- U	05/18/12	LFJ	EPA200.8
Silver, ug/l	0.10	10.0	--- U	--- U	--- U	--- U	05/18/12	LFJ	EPA200.8
Thallium, ug/l	0.07	5.5	--- U	--- U	--- U	--- U	05/18/12	LFJ	EPA200.8
Vanadium, ug/l	0.10	25.0	9.5 J	2.5 J	1.0 J	3.0 J	05/18/12	LFJ	EPA200.8
Zinc, ug/l	0.48	10.0	6.4 J	18	6.0 J	0.70 J	05/18/12	LFJ	EPA200.8
Conductivity (at 25c), uMhos/cm	1.0	1.0	123	348	160	107	05/14/12	RJH	SM2510B
Temperature, °C			19	19	25	26	05/14/12	RJH	SM2550B

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

Environment 1, Incorporated

Drinking Water ID: 37715
Wastewater ID: 10

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

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

CLIENT: JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH, NC 27604

CLIENT ID: 6003 C

ANALYST: MAO
DATE COLLECTED: 05/14/12
DATE ANALYZED: 05/21/12
DATE REPORTED: 06/06/12

REVIEWED BY: _____

VOLATILE ORGANICS
EPA METHOD 8260B

PARAMETERS, ug/l	MDL	SWSL	SW-1	SW-2	SW-3	SW-4
1. Chloromethane	0.77	1.0	--- U	--- U	--- U	--- U
2. Vinyl Chloride	0.63	1.0	--- U	--- U	--- U	--- U
3. Bromomethane	0.67	10.0	--- U	--- U	--- U	--- U
4. Chloroethane	0.48	10.0	--- U	--- U	--- U	--- U
5. Trichlorofluoromethane	0.24	1.0	--- U	--- U	--- U	--- U
6. 1,1-Dichloroethene	0.17	5.0	--- U	--- U	--- U	--- U
7. Acetone	9.06	100.0	--- U	--- U	--- U	--- U
8. Iodomethane	0.26	10.0	--- U	--- U	--- U	--- U
9. Carbon Disulfide	0.23	100.0	--- U	--- U	--- U	--- U
10. Methylene Chloride	0.64	1.0	--- U	--- U	--- U	--- U
11. trans-1,2-Dichloroethene	0.23	5.0	--- U	--- U	--- U	--- U
12. 1,1-Dichloroethane	0.20	5.0	--- U	--- U	--- U	--- U
13. Vinyl Acetate	0.20	50.0	--- U	--- U	--- U	--- U
14. Cis-1,2-Dichloroethene	0.25	5.0	--- U	--- U	--- U	--- U
15. 2-Butanone	2.21	100.0	--- U	--- U	--- U	--- U
16. Bromochloromethane	0.27	3.0	--- U	--- U	--- U	--- U
17. Chloroform	0.25	5.0	--- U	--- U	--- U	--- U
18. 1,1,1-Trichloroethane	0.19	1.0	--- U	--- U	--- U	--- U
19. Carbon Tetrachloride	0.22	1.0	--- U	--- U	--- U	--- U
20. Benzene	0.24	1.0	--- U	--- U	--- U	--- U
21. 1,2-Dichloroethane	0.27	1.0	--- U	--- U	--- U	--- U
22. Trichloroethene	0.23	1.0	--- U	--- U	--- U	--- U
23. 1,2-Dichloropropane	0.21	1.0	--- U	--- U	--- U	--- U
24. Bromodichloromethane	0.21	1.0	--- U	--- U	--- U	--- U
25. Cis-1,3-Dichloropropene	0.24	1.0	--- U	--- U	--- U	--- U
26. 4-Methyl-2-Pentanone	1.19	100.0	--- U	--- U	--- U	--- U
27. Toluene	0.23	1.0	0.50 J	--- U	--- U	--- U
28. trans-1,3-Dichloropropene	0.28	1.0	--- U	--- U	--- U	--- U
29. 1,1,2-Trichloroethane	0.25	1.0	--- U	--- U	--- U	--- U
30. Tetrachloroethene	0.17	1.0	--- U	--- U	--- U	--- U
31. 2-Hexanone	1.57	50.0	--- U	--- U	--- U	--- U
32. Dibromochloromethane	0.24	3.0	--- U	--- U	--- U	--- U
33. 1,2-Dibromoethane	0.26	1.0	--- U	--- U	--- U	--- U
34. Chlorobenzene	0.30	3.0	--- U	--- U	--- U	--- U
35. 1,1,1,2-Tetrachloroethane	0.22	5.0	--- U	--- U	--- U	--- U
36. Ethylbenzene	0.21	1.0	--- U	--- U	--- U	--- U
37. Xylenes	0.68	5.0	--- U	--- U	--- U	--- U
38. Dibromomethane	0.28	10.0	--- U	--- U	--- U	--- U
39. Styrene	0.19	1.0	--- U	--- U	--- U	--- U
40. Bromoform	0.20	3.0	--- U	--- U	--- U	--- U
41. 1,1,2,2-Tetrachloroethane	0.26	3.0	--- U	--- U	--- U	--- U
42. 1,2,3-Trichloropropane	0.43	1.0	--- U	--- U	--- U	--- U
43. 1,4-Dichlorobenzene	0.39	1.0	--- U	--- U	--- U	--- U
44. 1,2-Dichlorobenzene	0.32	5.0	--- U	--- U	--- U	--- U
45. 1,2-Dibromo-3-Chloropropane	0.34	13.0	--- U	--- U	--- U	--- U
46. Acrylonitrile	2.72	200.0	--- U	--- U	--- U	--- U
47. trans-1,4-Dichloro-2-Butene	0.42	100.0	--- U	--- U	--- U	--- U
48. Tetrahydrofuran	0.39	1.0	--- U	--- U	--- U	--- U

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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: 6003 C **Week:** 21

JUDSON WHITEHURST (C&D LANDFILL)
C/O MR DAVID GARRETT
5105 HARBOUR TOWNE DRIVE
RALEIGH NC 27604

(919) 231-1818

DISINFECTION: ☐ CHLORINE ☐ UV ☐ NONE ☐ _____

CHLORINE NEUTRALIZED AT COLLECTION																			
pH CHECK (LAB)		22			22	22													
CONTAINER TYPE, P/G	P	P	P	P	G	G													
CHEMICAL PRESERVATION	A	A	A	A	E	E													
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								
SW-1	05 14 12	1120		19	4	G	G	G	G	G	G								
SW-2	05 14 12	1025		19	4	G	G	G	G	G	G								
SW-3	05 14 12	1212		25	4	G	G	G	G	G	G								
SW-4	05 14 12	1248		26	4	G	G	G	G	G	G								

PARAMETERS

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

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

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

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

SAMPLES RECEIVED IN LAB AT 0.2 °C

RELINQUISHED BY (SIG.) (SAMPLER)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
H Lane 05	14 12		5/14/300
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME
RELINQUISHED BY (SIG.)	DATE/TIME	RECEIVED BY (SIG.)	DATE/TIME

COMMENTS:

PLEASE READ Instructions for completing this form 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

№ 241041