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

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

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

Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- In Accordance with NC General Statutes Chapter 89C and 89E and NC Solid Waste Management Rules 15A NCAC 13B, be sure to affix a seal to the bottom of this page, when applicable.
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

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

David Garrett & Associates

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

Name: Brian S. Boutin, PG Phone: 919-366-3663; 919-995-0363 (cell)

E-mail: bboutinpg@bellsouth.net

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.	802 Recycling Lane Greenville, NC 27834-9807	74-07	.0500	May 16, 2007 June 28, 2007

Environmental Status: (Check all that apply)

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

Type of data submitted: (Check all that apply)

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

Notification attached?

☒ No. No groundwater or surface water standards or explosive methane gas limits were exceeded.
☐ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
☐ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

Brian S. Boutin, PG	Consultant for Facility	919-366-3663; 919-995-0363 (cell)
Facility Representative Name (Print)	Title	(Area Code) Telephone Number
Signature	September 11, 2007 Date	Affix NC Licensed/ Professional Geologist/Engineer Seal here:

NORTH CAROLINA LICENSED SEAL 1268 GEOLOGIST BRIAN S. BOUTIN

Revised 10/2006

David Garrett & Associates
Engineering and Geology

September 20, 2007

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

RE: Semi-Annual Water Quality Monitoring Report
C&D Landfill, Inc. (Pitt County, NC) Permit #74-07

Dear Ms. Drummond:

On behalf of C&D Landfill, Inc., I am pleased to present this report of the thirteenth semi-annual water quality monitoring event for the site referenced above. Stream and well sampling was conducted on May 16, 2007 by Environment-1, Inc. In addition, groundwater in monitoring well MW-1d was resampled by Environment-1, Inc. on June 28, 2007.

- Shallow wells sampled during this event include MW-1s (background), MW-2s, MW-4, MW-5, MW-6, MW-7, MW-8, and MW-9s. Deep wells sampled during this event include MW-1d (background) and MW-2d. Deep well MW-9d (scheduled for bi-annual sampling) was not sampled.

- Surface water samples were collected from three locations, SW-1 through SW-3, during this event.

- The monitoring program has been in place since May 2001, but MW-5, MW-8, MW-9s, MW-9d and SW-3 were first sampled in November 2002 for the opening of Phase 1B.

The data are presented on the attached tables. Table 1 is a summary of well construction and recent water level data trends. Table 2 is the continuum of analytical data collected at the site, along with field parameters including the water level observations. Table 3 is a list of the chemical analytes, along with their respective CAS numbers (chemical abstract service), required by NC DENR.

Table 1 shows that water elevations measured at the wells gauged in May 2007 are very similar to those measured during the previous sampling event. Record shallow water levels were

measured at the locations of deep wells MW-1d and MW-2d in May 2007. The water levels observed during this event are consistent with average water level elevations at the site. The data do not suggest any unusual water level fluctuations.

A discussion of inorganic constituents detected during this sampling event follows:

Arsenic - Detected at MW-9s at a concentration below the NC 2L standard of 0.05 mg/L.

Barium - Detected at MW-4, MW-6, MW-7, MW-8 and MW-9s at concentrations below the NC 2L standard of 2.0 mg/L. Detected for the first time at MW-4, MW-6, MW-7 and MW-8.

Cadmium - Detected at MW-1d at a concentration below the NC 2L standard of 0.005 mg/l.

Cobalt - Detected at MW-7 and MW-8, where it has been detected before. No NC 2L standard or federal Maximum Contaminant Limit (MCL) has been established for cobalt.

Zinc - Detected at MW-1d, MW-2, SW-1 and SW-3 at concentrations below the NC 2L standard of 2.1 mg/L. Detected for the first time at MW-2d, SW-1 and SW-3.

Monitoring well MW-1d was damaged in early 2007, resulting in the PVC casing breaking below grade. The well was repaired (without professional guidance) by removing the outer protective casing, digging to the depth where the PVC casing was broken, cutting the casing below the break, and extending the casing above grade using a new piece of PVC pipe and coupling. Apparently, the repair was completed by using PVC glue to secure the coupling to the two pieces of PVC pipe. As a result, acetone and 2-butanone (methyl ethyl ketone) were detected in the groundwater sample collected from MW-1d in May 2007. The level of 2-butanone reported for the sample collected on May 16, 2007 (129 mg/L) exceeds the NC 2L standard of 4.2 mg/L (Table 2). To address the elevated levels of acetone and 2-butanone in groundwater at MW-1d, the well was pumped and purged for a total of approximately 8 hours using a 2-inch diameter Grundfos Rediflo 2™ submersible pump on June 25, 2007. A total of approximately 790 gallons of water was pumped from the well.

Groundwater from monitoring well MW-1d was resampled on June 28, 2007 and analyzed for Appendix I VOCs by SW 846 Method 8260. The results of analysis of this sample indicate that acetone and 2-butanone were detected in the sample (Table 2), but the concentrations detected were significantly less than those detected in the sample collected on May 16, 2007 and below the corresponding NC 2L groundwater quality standards. It is noted that the level of 2-butanone

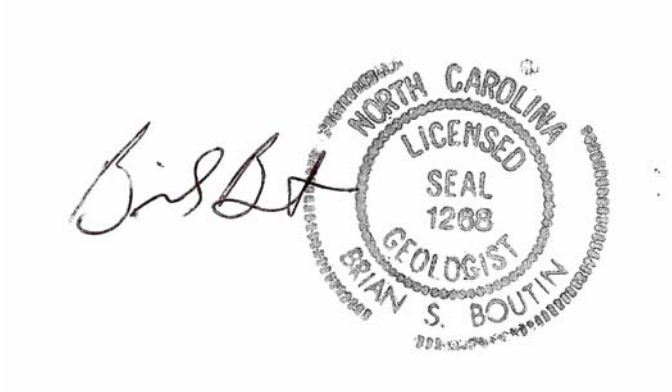
detected in the sample collected on June 28, 2007 (0.066 mg/L) was approximately 4 orders of magnitude less than the level detected in the sample collected on May 16, 2007.

In summary, the detection of acetone and 2-butanone are attributed to faulty repairs to a damaged well (albeit, the deep background well) and not to any disposal practice or incidents pertaining to the operation of the landfill. Extended pumping and purging of groundwater from MW-1d appears to have remedied the effects of repairing the PVC well casing using a glued coupling by greatly reducing the levels of acetone and 2-butanone in groundwater from the well. No other organic constituents were detected in the monitoring network. There are no down-gradient groundwater users and no apparent risk to the public.

Recommendations: It is recommended that groundwater from well MW-1d be sampled on a semi-annual basis, rather than a bi-annual basis, for a period of at least two years to ensure that the levels of acetone and 2-butanone in groundwater do not rebound to levels above the NC 2L standards. If concentrations of acetone and 2-butanone continue to decrease or stabilize below the NC 2L standard, then the monitoring schedule will revert to a bi-annual basis. No further amendments to the monitoring program appear warranted at this time.

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

Sincerely,



Brian S. Boutin, P.G.

cc: G. David Garrett, P.G., P.E.
Mr. Judson Whitehurst – C&D Landfill, Inc.
Mr. John A.K. Tucker, P.E.

Table 1
Monitoring Well Water Level Data
Sampling Date: 05/16/07

Monitoring Location	TOC Elevation	Ground Elevation	Depth of Well (bgs)	Screened Interval (bgs)	Water Level [1]	Water Level [2]
MW-1d (B-1)[3,4]	21.14	17.40	50	40 - 50	NA	8.62
						12.52
MW-1s [3]	20.91	17.59	13	3 - 13	7.20	7.27
					13.71	**13.64**
MW-2d (B-2d) [4]	21.80	17.97	49	39 - 49	NA	11.95
						9.85
MW-2s	21.44	18.45	13	3 - 13	10.15	10.30
					11.29	**11.14**
~~MW-3d (B-3)~~ [5]	~~22.83~~	~~19.37~~	~~50~~	~~40 - 50~~	~~NA~~	~~NA~~
MW-4	18.42	14.83	13	3 - 13	6.43	6.50
					11.99	**11.92**
MW-5	17.90	14.80	18	3 - 18	6.32	6.31
					11.58	**11.59**
MW-6	20.03	16.87	13	3 - 13	9.08	9.18
					10.95	**10.85**
MW-7	19.40	16.03	13	3 - 13	7.99	8.00
					11.41	**11.40**
MW-8	21.21	18.30	18	3 - 18	9.65	9.58
					11.56	**11.63**
MW-9d [4]	22.88	19.88	38	33 - 38	NA	NA
MW-9s	22.95	19.91	18	3 - 18	11.61	11.58
					11.34	**11.37**

Notes:
1. Last Semi-Annual Event, depth / **elevation**, reference top of casing (TOC), recorded on 11/02/06
2. This Semi-Annual Event, depth / **elevation**, reference top of casing (TOC), recorded on 5/16/07
3. Up-gradient Background Well for each respective aquifer
4. Sample Bi-annually, all others sample semi-annually except as noted
5. Only sample MW-3d for assessment monitoring, if needed (replaced by MW-9s and MW-9d)
6. Elevations were surveyed July 2001and November 2002 by Burgess Land Surveying, Greenville, NC

Table 2
Detected Constituents

All values are given in mg/l (ppm)

No Appendix I organic constituents were detected.

Bold data represent duplicates or resampling events, if required.
Italics represents values that exceed North Carolina 2L Ground Water Standards

Constituent	SWSL	NC 2L Standard	Sampling Date	MW-1d BG	MW-1s BG	MW-2d	MW-2s	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9d	MW-9s	SW-1 BG	SW-2	SW-3
Antimony	0.006		05/16/01														
			11/12/01														
			05/02/02														
			11/27/02														
			5/14/03														
			11/13/03														
			5/20/04														
			11/05/04														
			5/31/05														
			11/04/05														
			5/30/06														
			11/02/06														
			5/16/07														
Arsenic	0.010	0.05	05/16/01														
			11/12/01														
			05/02/02														
			11/27/02														
			5/14/03									0.013					
			11/13/03							0.014							
			5/20/04														
			11/05/04							0.022				0.035			
			5/31/05														
			11/04/05											0.010			
			5/30/06							0.013				0.013			
			11/02/06														
			5/16/07											0.010			
Barium	0.100	2.0	05/16/01														
			11/12/01														
			05/02/02														
			11/27/02														
			5/14/03														
			11/13/03														
			5/20/04														
			11/05/04											1.229			
			5/31/05														
			11/04/05														
			5/30/06											0.576			
			11/02/06														
			5/16/07					0.100		0.112	0.144	0.214		0.774			

Constituent	SWSL	NC 2L Standard	Sampling Date	MW-1d BG	MW-1s BG	MW-2d	MW-2s	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9d	MW-9s	SW-1 BG	SW-2	SW-3
Barium (Dissolved) Not Tested Not Tested			05/16/01 11/12/01 05/02/02 11/27/02 5/14/03 11/13/03 5/20/04 11/05/04 5/31/05 11/04/05 5/30/06 11/02/06														
Beryllium	0.001		05/16/01 11/12/01 05/02/02 11/27/02 5/14/03 11/13/03 5/20/04 11/05/04 5/31/05 11/04/05 5/30/06 11/02/06 5/16/07					0.002									
Beryllium (Dissolved) Not Tested Not Tested			05/16/01 11/12/01 05/02/02 11/27/02 5/14/03 11/13/03 5/20/04 11/05/04 5/31/05 11/04/05 5/30/06 11/02/06								0.002						

Constituent	SWSL	NC 2L Standard	Sampling Date	MW-1d BG	MW-1s BG	MW-2d	MW-2s	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9d	MW-9s	SW-1 BG	SW-2	SW-3
Cadmium	0.001	0.005	05/16/01														
			11/12/01														
			05/02/02														
			11/27/02														
			5/14/03														
			11/13/03														
			5/20/04												0.004		
			11/05/04														
			5/31/05														
			11/04/05									0.001			0.001		
			5/30/06		0.001		0.001				0.001				0.003		0.001
			11/02/06												0.005	0.002	0.001
			5/16/07	0.001													
Cobalt	0.010		05/16/01				0.019										
			11/12/01				0.016										
			05/02/02														
			11/27/02														
			5/14/03							0.021	0.011	0.017					
			11/13/03				0.011			0.012	0.052						
			5/20/04							0.029	0.023						
			11/05/04				0.013			0.017				0.028			
			5/31/05								0.015			0.013			
			11/04/05														
			5/30/06								0.011						
			11/02/06														
			5/16/07								0.012	0.043					
Cobalt (Dissolved)			05/16/01														
			11/12/01														
Not Tested			05/02/02														
Not Tested			11/27/02														
			5/14/03														
			11/13/03														
			5/20/04														
			11/05/04														
			5/31/05														
			11/04/05														
			5/30/06														
			11/02/06														

Constituent	SWSL	NC 2L Standard	Sampling Date	MW-1d BG	MW-1s BG	MW-2d	MW-2s	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9d	MW-9s	SW-1 BG	SW-2	SW-3
Copper	0.010	1.0	05/16/01														
			11/12/01														
			05/02/02														
			11/27/02														
			5/14/03														
			11/13/03														
			5/20/04														
			11/05/04														
			5/31/05														
			11/04/05														
			5/30/06														
			11/02/06														
			5/16/07														
Copper (Dissolved)			05/16/01														
			11/12/01														
Not Tested			05/02/02														
Not Tested			11/27/02														
			5/14/03														
			11/13/03														
			5/20/04														
			11/05/04														
			5/31/05														
			11/04/05														
			5/30/06														
			11/02/06														
Chromium (total)	0.010	0.05	05/16/01	*0.083*	0.015	0.029	*0.085*	0.029			0.015						
			11/12/01				*0.069*	0.042									
			05/02/02					0.013									
			11/27/02														
			5/14/03	0.022		0.024	0.042			0.011		*0.122*		0.025			
			11/13/03				0.033	0.012		0.015		0.010		0.011			
			5/20/04				0.033	0.025		0.022		0.025		0.041			
			11/05/04				0.015	0.300		0.020	0.040			0.014			
			5/31/05			0.011				0.011							
			11/04/05														
			5/30/06							0.012							
			11/02/06														
			5/16/07														

Constituent	SWSL	NC 2L Standard	Sampling Date	MW-1d BG	MW-1s BG	MW-2d	MW-2s	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9d	MW-9s	SW-1 BG	SW-2	SW-3
Lead	0.010	0.015	05/16/01				*0.029*	0.011									
			11/12/01				*0.027*	0.013									
			05/02/02														
			11/27/02														
			5/14/03									*0.028*					
			11/13/03				*0.022*										
			5/20/04				*0.020*	*0.025*						0.012			
			11/05/04					*0.019*									
			5/31/05												0.014		
			11/04/05					0.014									
			5/30/06														
			11/02/06														
			5/16/07														
Nickel	0.050	0.1	05/16/01														
			11/12/01														
			05/02/02														
			11/27/02														
			5/14/03														
			11/13/03														
			5/20/04														
			11/05/04														
			5/31/05														
			11/04/05														
			5/30/06														
			11/02/06														
			5/16/07														
Nickel (Dissolved)			05/16/01														
			11/12/01														
Not Tested			05/02/02														
Not Tested			11/27/02														
			5/14/03														
			11/13/03														
			5/20/04														
			11/05/04														
			5/31/05														
			11/04/05														
			5/30/06														
			11/02/06														

Constituent	SWSL	NC 2L Standard	Sampling Date	MW-1d BG	MW-1s BG	MW-2d	MW-2s	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9d	MW-9s	SW-1 BG	SW-2	SW-3
Selenium	0.010	0.05	05/16/01 11/12/01 05/02/02 11/27/02 5/14/03 11/13/03 5/20/04 11/05/04 5/31/05 11/04/05 5/30/06 11/02/06 5/16/07														
Silver	0.010	0.018	05/16/01 11/12/01 05/02/02 11/27/02 5/14/03 11/13/03 5/20/04 11/05/04 5/31/05 11/04/05 5/30/06 11/02/06 5/16/07														
Thallium	0.005		05/16/01 11/12/01 05/02/02 11/27/02 5/14/03 11/13/03 5/20/04 11/05/04 5/31/05 11/04/05 5/30/06 11/02/06 5/16/07														

Constituent	SWSL	NC 2L Standard	Sampling Date	MW-1d BG	MW-1s BG	MW-2d	MW-2s	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9d	MW-9s	SW-1 BG	SW-2	SW-3
Vanadium	0.025		05/16/01	0.048			0.124										
			11/12/01				0.098										
			05/02/02														
			11/27/02														
			5/14/03									0.115					
			11/13/03														
			5/20/04				0.044							0.052			
			11/05/04					0.045									
			5/31/05														
			11/04/05														
			5/30/06														
			11/02/06														
			5/16/07														
Zinc	0.010	2.1	05/16/01	0.053			0.099										
			11/12/01				0.057										
			05/02/02														
			11/27/02														
			5/14/03									0.134					
			11/13/03														
			5/20/04														
			11/05/04														
			5/31/05														
			11/04/05														
			5/30/06														
			11/02/06														
			5/16/07	0.016		0.019									0.026		0.015
pH			05/16/01	8.4	6.1	7.4	5.6	5.9		5.5	5.4				6.1	5.6	
			11/12/01		6.1		5.5	5.8		5.7	5.9				NA	5.8	
			05/02/02		5.6		5.6	5.2		5.5	5.4				5.7	5.8	
			11/27/02		5.6		5.8	5.8	6.8	5.8	6.1	7.3	7.9	6.9	5.3	5.8	6.4
			5/14/03	8.4	5.5	7.8	6.2	5.3	6.7	6.2	5.4	6.8		6.5	6.0	6.1	5.8
			11/13/03		4.9		4.9	5.3	6.3	6.6	4.6	6.1		5.7	5.9	6.1	6.0
			5/20/04		5.8		5.8	5.9	6.1	6.7	6.2	6.2		6.1	6.2	6.5	5.9
			11/05/04		5.9	8.2	6.5	6.2	6.2	6.8	6.3	6.3		6.6	6.7	6.7	7.1
			5/31/05		6.0		6.5	5.8	6.3	6.8	6.2	5.9		6.8	6.6	6.8	6.3
			11/04/05		5.7		6.4	5.8	6.4	6.7	6.4	6.2		6.6	5.5	6.6	5.9
			5/30/06		6.1	7.6	6.1	6.0	6.8	6.8	6.7	6.1		6.4	6.3	7.0	6.4
			11/02/06		5.3		5.8	5.9	6.9	6.5	6.4	6.2		6.2	6.3	6.5	6.0
			5/16/07	7.4	5.9	5.9	5.9	6.1	6.9	6.7	6.8	6.3		6.4	6.5	6.8	6.4

Constituent	SWSL	NC 2L Standard	Sampling Date	MW-1d BG	MW-1s BG	MW-2d	MW-2s	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9d	MW-9s	SW-1 BG	SW-2	SW-3
Specific Conductance, µmho/cm			05/16/01	400	430	470	420	250		320	280				430	420	
			11/12/01		510		320	110		320	360				NA	160	
			05/02/02		360		210	250		190	260				110	110	
			11/27/02		607		300	220	353	285	310	342	448	205	209	254	191
			5/14/03	382	635	438	247	436	285	1026	310	233		180	142	149	131
			11/13/03		596		307	193	252	177	1074	196		158	134	196	159
			5/20/04		495		1301	178	380	4120	1316	239		203	130	331	119
			11/05/04		721		170711	242	578	1779	1101	414		1530	112	443	125
			5/31/05		689	490	883	257	962	2740	969	508		985	125	348	200
			11/04/05		614		687	281	783	393	661	285		1313	1305	1245	1310
			5/30/06		570	492	421	195	969	2064	1670	854		1556	129	263	1450
			11/02/06		885		280	166	828	787	1203	882		1354	105	163	125
			5/16/07	416	906	494	282	170	656	864	1960	1456		2200	168	198	157
Static Water Level, depth in feet (toc)			05/16/01	10.02	8.91	12.69	10.90	6.94		9.84	8.66				Denotes record minimum water level (deep)	Denotes record maximum water level (shallow)	
			11/12/01		10.08		11.74	7.47		10.46	9.32						
			05/02/02		7.85		10.53	6.62		9.73	8.51						
			11/27/02		8.56		11.49	6.76	6.98	10.30	9.07	10.18	12.67	12.11			
			5/14/03	9.16	7.83	12.06	10.20	6.60	6.18	9.46	8.48	9.36		11.30			
			11/13/03		7.34		10.38	6.46	6.38	9.28	8.16	9.58		11.53			
			5/20/04		8.49		10.74	6.80	6.61	9.55	8.50	9.61		11.63			
			11/05/04		8.90		11.26	6.96	7.12	9.87	8.79	10.29		12.21			
			5/31/05		8.28		10.55	6.73	6.61	9.37	8.30	9.79		11.78			
			11/04/05		7.41		9.89	6.40	6.10	9.00	7.98	9.40		11.34			
			5/30/06		8.46	12.35	10.87	6.74	6.80	9.63	8.51	10.00		11.91			
			11/02/06		7.20		10.15	6.43	6.32	9.08	7.99	9.65		11.61			
			5/16/07	8.62	7.27	11.95	10.30	6.50	6.31	9.18	8.00	9.58		11.58			
Turbidity, NTU			05/16/01														
Not Tested			11/12/01														
Not Tested			05/02/02														
Not Tested			11/27/02														
			5/14/03	16	9.2	190	9	7.2	2.3	5.9	17	250		130			
			11/13/03		4.0		270	2.7	17	7.6	22	196		9.9			
			5/20/04		23		32	170	18	80	33	250		400			
			11/05/04		13		390	600	40	55	90	80		280			
			5/31/05		23	54	250	250	45	46	45	37		98			
			11/04/05		17		180	120	115	39	110	75		100			
			5/30/06		11	14	31	9.5	37	35	194	10		143			
			11/02/06		33		11	65	22	3.5	80	12		80			
			5/16/07	14	160	25	17	80	40	23	300	55		160			
Acetone	0.100	0.700	5/16/07	0.247													
			6/28/07	0.020													
Methyl ethyl ketone (2-butanone)	0.100	4.2	5/16/07	*129*													
			6/28/07	0.066													

Notes: The wells denoted “d” monitor the deeper regional aquifer (Yorktown Formation); wells denoted “s” and all others monitor the uppermost (surficial) aquifer

Certain inorganic constituents (e.g., chromium and lead) are believed to be tied to turbidity, subject to further evaluation
Wells MW-1d, MW-2d, and MW-9d are tested on a bi-annual basis
SWSL – Solid Waste Section Limit

Table 3

Analytical Constituents w/ CAS Numbers
C&D Landfill, Inc.
Pitt County, North Carolina

Monitored Analyte		CAS number
Antimony		7440-36-0
Arsenic		7440-38-2
Barium		7440-39-3
Beryllium		7440-41-7
Cadmium		7440-43-9
Cobalt		7440-48-4
Copper		7440-50-8
Total Chromium		7440-47-3
Iron		7439-89-6
Lead		7439-92-1
Manganese		7439-96-5
Mercury		7439-97-6
Nickel		7440-2-0
Selenium		7782-49-2
Silver		7440-22-4
Thallium		7440-28-0
Vanadium		7440-62-2
Zinc		7440-66-6
Alkalinity		SW337*
Chloride		SW301*
Sulfate		14808-79-8
Total Dissolved Solids		SW311*
Chloromethane		106-50-3
Vinyl Chloride		75-1-4
Bromomethane		74-83-9
Chloroethane		75-0-3
Trichlorofluoromethane		75-69-4
1,1-Dichloroethene		75-35-4
Acetone		67-64-1
Iodomethane		74-88-4
Carbon Disulfide		75-15-0
Methylene Chloride		75-9-2
trans-1,2-Dichloroethene		156-60-5
1,1-Dichloroethane		75-34-3
Vinyl Acetate		108-5-4
Cis-1,2-Dichloroethene		156-59-2
2-Butanone		78-93-3

Bromochloromethane		74-97-5
Chloroform		67-66-3
1,1,1-Trichloroethane		71-55-6
Carbon Tetrachloride		56-23-5
Benzene		71-43-2
1,2-Dichloroethane		107-6-2
Trichloroethene		79-1-6
1,2-Dichloropropane		78-87-5
Bromodichloromethane		75-27-4
Cis-1,3-Dichloropropene		10061-1-5
4-Methyl-2-Pentanone		108-10-1
Toluene		108-88-3
trans-1,3-Dichloropropene		10061-2-6
1,1,2-Trichloroethane		79-0-5
Tetrachloroethene		127-18-4
2-Hexanone		591-78-6
Dibromochloromethane		124-48-1
1,2-Dibromoethane		106-93-4
Chlorobenzene		108-90-7
1,1,1,2-Tetrachloroethane		630-20-6
Ethylbenzene		100-41-4
Xylenes		1330-20-7
Dibromomethane		74-95-3
Styrene		100-42-5
Bromoform		75-25-2
1,1,2,2-Tetrachloroethane		79-34-5
1,4-Dichlorobenzene		106-46-7
1,2-Dichlorobenzene		95-50-1
1,2-Dibromo-3-Chloropropane		96-12-8
Acrylonitrile		107-13-1
trans-1,4-Dichloro-2-Butene		110-57-6
Chloromethane		106-50-3
Vinyl Chloride		75-1-4
Bromomethane		74-83-9
Chloroethane		75-0-3
Trichlorofluoromethane		75-69-4
1,1-Dichloroethene		75-35-4
Acetone		67-64-1
Iodomethane		74-88-4
Carbon Disulfide		75-15-0
Methylene Chloride		75-9-2
trans-1,2-Dichloroethene		156-60-5
1,1-Dichloroethane		75-34-3
Vinyl Acetate		108-5-4
Cis-1,2-Dichloroethene		156-59-2
2-Butanone		78-93-3
Bromochloromethane		74-97-5
Chloroform		67-66-3

1,1,1-Trichloroethane		71-55-6
Carbon Tetrachloride		56-23-5
Benzene		71-43-2
1,1,2-Dichloroethane		107-6-2
Trichloroethene		79-1-6
1,1,2-Dichloropropane		78-87-5
Bromodichloromethane		75-27-4
Cis-1,3-Dichloropropene		10061-1-5
4-Methyl-2-Pentanone		108-10-1
Toluene		108-88-3
trans-1,3-Dichloropropene		10061-2-6
1,1,2-Trichloroethane		79-0-5
Tetrachloroethene		127-18-4
2-Hexanone		591-78-6
Dibromochloromethane		124-48-1
1,2-Dibromoethane		106-93-4
Chlorobenzene		108-90-7
1,1,1,2-Tetrachloroethane		630-20-6
Ethylbenzene		100-41-4
Xylenes		1330-20-7
Dibromomethane		74-95-3
Styrene		100-42-5
Bromoform		75-25-2
1,1,2,2-Tetrachloroethane		79-34-5
1,2,3-Trichloropropane		96-18-4
1,4-Dichlorobenzene		106-46-7
1,2-Dichlorobenzene		95-50-1
1,2-Dibromo-3-Chloropropane		96-12-8
Acrylonitrile		107-13-1
trans-1,4-Dichloro-2-Butene		110-57-6

* Solid Waste Section ID Number