WATERS EDGE ENVIRONMENTAL, LLC
4901 WATERS EDGE DRIVE, SUITE 201 • RALEIGH, NC 27606 • PHONE 919.859.9987 • FAX 919.859.9930

North Carolina Groundwater/Surface Water Exceedance Notification (December 4 th, 2014)

Well	Parameter	Concentration (mg/L)	NCGS (mg/L)
WD-1	Chromium	0.012	0.010
WD-2	Benzene	0.0015	0.001
WD-2	THF	0.014	0.0046*
WD-2	Barium	0.72	0.7
WD-2	Chromium	0.012	0.010
WD-2D	Arsenic	0.014 mg/L	0.01
WD-2D	Chromium	0.031	0.010
WD-2D	Lead	0.017	0.015
WD-2D	THF	0.034	0.0046*
WD-3	Barium	0.96	0.7
WD-3	THF	0.023	0.0046*
WD-3D	Chromium	0.011	0.010
WD-4	Barium	0.84	0.7
WD-4	Chromium	0.011	0.010
WD-4	THF	0.014	0.0046*
WD-7	Barium	0.86	0.7
WD-7	Chromium	0.57	0.01
WD-8	Barium	1.8	0.7
WD-8	Chromium	0.46	0.01
WD-8	Lead	0.035	0.015
WD-9	Cadmium	0.0033	0.002
WD-9	Chromium	0.015	0.01
WD-9	THF	0.019	0.0046*

December 2014 Groundwater and Surface Water Sampling Report
Former Wiley Davis Landfill
Wiley Davis Road
Greensboro, North Carolina
Permit #41-B
December 18, 2014

Prepared For Submittal To

Griffin Industrial Services, LLC
Greensboro, North Carolina 27407

Prepared By

Waters Edge Environmental, LLC
Raleigh, North Carolina

WATERS EDGE ENVIRONMENTAL, LLC
4901 WATERS EDGE DRIVE, SUITE 201 • RALEIGH, NC 27606 • PHONE 919.859.9987 • FAX 919.859.9930

December 18, 2014

Mr. David Griffin, Jr.
Griffin Industrial Services, LLC
4700 Hilltop Road
Greensboro, North Carolina 27407

Reference: December 2014 Groundwater and Surface Water Sampling Report
Former Wiley David Landfill
Wiley Davis Road
Greensboro, North Carolina
Permit #41-B
Waters Edge Job No. R5-34

Dear Mr. Griffin:

Waters Edge Environmental has completed the December 2014 groundwater and surface water sampling event at the above mentioned facility.

If you have any questions regarding the information contained herein, please do not hesitate to contact our office at 919.859.9987.

Sincerely,

WATERS EDGE ENVIRONMENTAL, LLC

Phillip L Rahn, P.G.
President

cc: Ms. Christine Ritter- NCDENR

14-103/PLR/aht

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December 2014 Ground and Surface Water Sampling Report
Former Wiley Davis Landfill
Wiley Davis Road
Greensboro, North Carolina
Permit #41-B
December 18, 2014

1 Introduction

A groundwater and surface water assessment is ongoing at the former Wiley Davis Landfill (Permit #41-B) located on Wiley Davis Road in Greensboro, North Carolina (see Figures 1 and 2). The purpose of this assessment is to determine the presence, extent, and concentration of contaminants present in groundwater and/or surface water, the horizontal and vertical extent of contamination which may originate from the landfill, the direction and rate of migration of the contaminants in the groundwater, and the possible source(s) of contamination detected in the groundwater and/or surface water.

This assessment is being performed in accordance with the *Water Quality Monitoring Plan* (Babb & Associates, P.A. and EcoLogic Associates, P.C. - Revised August 1999) and the *Groundwater Assessment Plan* (Babb & Associates, P.A. and EcoLogic Associates, P.C. - Revised August 1999). Since 2005 the sampling responsibilities have been contracted with Waters Edge Environmental, LLC (Waters Edge).

Herein contains an account of the field sampling, laboratory analytical results and our conclusions and recommendations for the site.

2 Groundwater Sampling Activities

2.1 Monitoring Well Sampling

On December 4th, 2014, a Waters Edge environmental technician was mobilized to the site for the groundwater sampling activities. Prior to the sampling event, depth-to-groundwater measurements were made to the nearest 0.01 foot at each monitoring well using an electric water level indicator (see Tables 1 and 2).

Groundwater samples were collected from wells WD-1, WD-2, WD-2D, WD-3, WD-3D, WD-4, WD-4D, WD-7, WD-8, and WD-9 (WD-8 mislabeled as WD-5 and WD-9 mislabeled as WD-6 in laboratory results). Groundwater samples were analyzed for volatile organic compounds (VOCs) and tetrahydrofuran (THF) according to EPA Method 8260B and total RCRA metals (EPA Method 6010 and 7470- see summary of analytical results in Table 3 and documentation in Appendix A).

2.3 Surface Water Sampling

On December 4th, 2014, both upgradient (SW-1 see Figure 2) and downgradient (SW-2 see Figure 2) surface water samples were collected and analyzed for VOCs and THF according

to EPA Method 8260B and total RCRA metals (EPA Method 6010 and 7470- see summary of analytical results in Table 3 and documentation in Appendix A).

3 Assessment Results

3.1 Groundwater Conditions

On December 4th, 2014 water level measurements collected from the shallow wells indicate the shallow water table elevations range from 816.84 feet (WD-7) to 786.86 feet (WD-3) above mean sea level (msl). We would add that WD-2, WD-2D, WD-8 and WD-9 have not been surveyed to add as a data point. The groundwater elevations continue to indicate an overall southwesterly flow direction for shallow groundwater. The horizontal hydraulic gradient of the shallow water table has an average gradient of 0.0164 ft/ft (see Figure 3)

The vertical gradient was calculated to be 0.0529 ft/ft downward between wells WD-3 and WD-3D and -0.0931 upward between wells WD-4 and WD-4D. We would also note that WD-2/WD-2D have not been surveyed.

3.2 Groundwater Laboratory Analytical Results

Laboratory analysis of groundwater samples collected had the following exceedances of North Carolina Groundwater Standards (NCGS):

WD-1 This well had the following NCGS exceedances:

- Chromium at 0.012 mg/L versus a NCGS at 0.01 mg/L

WD-2 This well had the following NCGS exceedances:

- Barium at 0.72 mg/L versus a NCGS at 0.7 mg/L
- Chromium at 0.012 mg/L versus a NCGS at 0.01 mg/L
- Benzene at 2.1 mg/L versus a NCGS at 0.001 mg/L
- THF at 0.14 mg/L versus a North Carolina Occupational and Environmental Epidemiology Branch Recommended 2L Standard of 0.0046 mg/L (there is no codified NCGS)

WD-2D This well had the following NCGS exceedances:

- Arsenic at 0.014 mg/L versus a NCGS at 0.01 mg/L
- Chromium at 0.031 mg/L versus a NCGS at 0.01 mg/L

- Lead at 0.017 mg/L versus a NCGS at 0.015 mg/L
- THF at 0.034 mg/L versus a North Carolina Occupational and Environmental Epidemiology Branch Recommended 2L Standard of 0.0046 mg/L (there is no codified NCGS)

WD-3 This well had the following NCGS exceedances:

- Barium at 0.96 mg/L versus a NCGS at 0.7 mg/L
- THF at 0.023 mg/L versus a North Carolina Occupational and Environmental Epidemiology Branch Recommended 2L Standard of 0.0046 mg/L (there is no codified NCGS)

WD-3D This well had the following NCGS exceedances:

- Chromium at 0.011 mg/L versus a NCGS at 0.010 mg/L

WD-4 This well had the following NCGS exceedances:

- Barium at 0.84 mg/L versus a NCGS at 0.7 mg/L
- Chromium at 0.011 mg/L versus a NCGS at 0.01 mg/L
- THF at 0.014 mg/L versus a North Carolina Occupational and Environmental Epidemiology Branch Recommended 2L Standard of 0.0046 mg/L (there is no codified NCGS)

WD-7 This well had the following NCGS exceedances:

- Barium at 0.86 mg/L versus a NCGS at 0.7 mg/L
- Chromium at 0.57 mg/L versus a NCGS at 0.01 mg/L

WD-8 This well had the following NCGS exceedances:

- Barium at 1.8 mg/L versus a NCGS at 0.7 mg/L

- Chromium at 0.46 mg/L versus a NCGS at 0.01 mg/L
- Lead at 0.035 mg/L versus a NCGS at 0.015 mg/L

WD-9 This well had the following NCGS exceedances:

- Cadmium at 0.0033 mg/L versus a NCGS at 0.002 mg/L
- Chromium at 0.015 mg/L versus a NCGS at 0.01 mg/L
- THF at 0.019 mg/L versus a North Carolina Occupational and Environmental Epidemiology Branch Recommended 2L Standard of 0.0046 mg/L (there is no codified NCGS)

3.3 Surface Water Laboratory Analytical Results

Low levels of one inorganic constituent was detected in upstream sampling point SW-1 (barium at 0.059 mg/L), and the downstream sampling point SW-2 had one inorganic (barium at 0.15 mg/L); however, no applicable Class C surface water standards were exceeded (15A NCAC 2B .0211).

4 Conclusions and Recommendations

Information gathered during groundwater assessment activities to date indicates the general shallow and deep groundwater flow direction (horizontal gradient) beneath the site to be to the southwest. Using a horizontal hydraulic gradient of 0.0164 ft/ft and assuming an average hydraulic conductivity in saprolite of 1E-5 cm/sec and an effective porosity of 0.25, the rate of horizontal groundwater migration would be on the order of 0.614 ft/year.

Now that the landfill is no longer active and has been graded to shed runoff and covered, the infiltration of rainfall should be significantly reduced. It follows that the driving head inside the landfill will gradually decline and both the quantity and rate of leachate production and release should decrease proportionately. Leachate strength should also continue to decline as the waste stabilizes, with no further introduction of potential contaminants. Based on these recent results, we would conclude that a continued positive trend in groundwater quality downgradient of the landfill has occurred.

There were several low level NCGS exceedances for arsenic, barium, cadmium, and chromium. THF was also detected at low concentrations in five of the wells sampled ranging from 0.14 mg/L (WD-2) to 0.14 mg/L (WD-4) which is above the interim NCGS at 4.6 μg/L. It was also detected in downgradient well WD-9 at 0.019 mg/L. Based upon

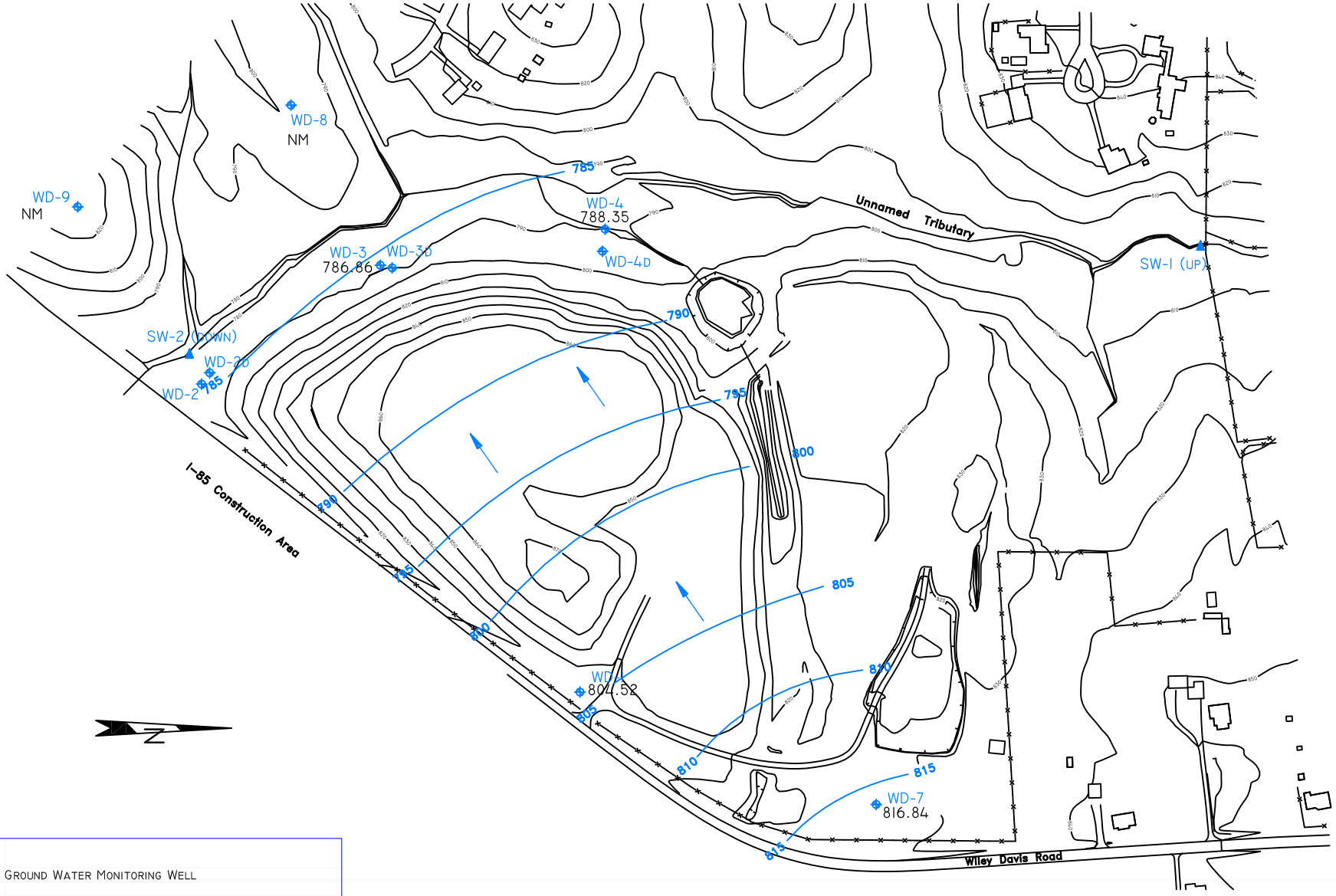
our research into THF uses, it appears one major use is for PVC pipe cement which could have been mistakenly used in the older monitoring wells; however, in that it was also detected in the recently installed monitoring wells, it must be included as a constituent of concern. We would conclude the levels appear to be either stable or decreasing to below NCGS with respect to time.

There were also several inorganic constituents detected in the newly emplaced monitoring wells WD-8 and WD-9. Based on the total absence of VOCs, we would still conclude that these are potentially due to sediment causing false positive readings. We believe that with continued development and sampling that the inorganic constituents will decrease. We would conclude that the plume is adequately defined horizontally.

Only one RCRA metal was detected in surface water samples (barium) at concentrations well below the 2B standards. As such, we conclude that no measurable impacts to surface water by VOCs or metals have been identified during this assessment.

Given the aforementioned conclusions, it is our recommendation to Wiley Davis Landfill, Inc. that monitoring of the current system is continued on a semiannual schedule. This next sampling event would be conducted in May 2015. We would also recommend that WD-2, WD-2D, WD-8, and WD-9 be surveyed for both horizontal and vertical control.

Figures



LEGEND

- Ground Water Monitoring Well
- Surface Water Sample Location
- Ground Water Contour
- Topographic Contour
- 804.33 Ground Water Elevation

WATERS EDGE ENVIRONMENTAL, LLC

Author	Drawing	Layers	Date	Title
Babb & Ass / aht	14-104 F03		12.16.14	Shallow Groundwater Contour Map (Data Collected December 4, 2014)
Job No.	**Revision**	**Figure**	**Scale**	**Project**
R5-34	1.9.14	3	1" = 300'	Wiley Davis Landfill Greensboro, North Carolina

Tables

Table 1
Monitoring Well Reference Points and Groundwater Elevaltions
Wiley Davis Landfill,
Greensboro, North Carolina

Well ID	Reference Point Elevation	Water Level Measurement (12.4.14)	Water Level Elevation
WD-1	836.65	32.13	804.52
WD-3	791.35	4.49	786.86
WD-3D	793.79	8.94	784.85
WD-4	793.28	4.93	788.35
WD-4D	799.11	6.43	792.68
WD-7	828.08	11.24	816.84

Table 2
Hydraulic Gradient Information
Wiley Davis Landfill
Greensboro, North Carolina

Well I.D.	Water Level Elevation 12.4.14 (ft.)	Gradient (ft.)
WD-1	804.52	
		0.0181
WD-3	786.86	
WD-1	804.52	
		0.0169
WD-4	788.35	
WD-7	816.84	
		0.0189
WD-1	804.52	
WD-7	816.84	
		0.0218
WD-4	788.35	
WD-4D	792.68	
		0.0176
WD-3D	784.85	
WD-3	786.86	
		0.0529
WD-3D	784.85	
WD-4	788.35	
		-0.0931
WD-4D	792.68	

A Negative Hydraulic Gradient Indicates Greater Hydraulic Head in the Deeper Well or Upward Flow.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-1

Parameter	Units	2L Standard	Aug-90	Mar-91	Apr-91	May-93	Oct-93	Apr-94	Feb-96	Aug-96	Apr-97	Nov-97	Oct-98
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
bis-(2-ethylhexyl) phthalate	ug/L	3.0	.	Not Sampled	Not Sampled	**16**	.	.	.	.	.	.	.
Chlorobenzene	ug/L	50	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Chloroethane	ug/L	2,800	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Chloromethane	ug/L	3	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Chlorofluoromethane	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
di-n-butyl phthalate	ug/L	700	12	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,3-Dichlorobenzene	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	700	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Methyl Iodide	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
4-(o-cresol) Methylphenol	ug/L	3.5	.	Not Sampled	Not Sampled	.	.	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	21	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
N-Nitrosodiphenylamine	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Trichlorofluoromethane	ug/L	2,100	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.015	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**12**			**16**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Metals (total)													
Arsenic	mg/l	0.05	.	Not Sampled	NA	.	NA	.	.	.	.	.	.
Barium	mg/l	2.0	0.380	Not Sampled	0.580	0.314	NA	0.450	0.300	0.270	0.291	0.320	0.200
Cadmium	mg/l	0.005	.	Not Sampled	NA	.	NA	.	.	.	**0.006**	.	.
Chromium	mg/l	0.05	**0.160**	Not Sampled	**0.360**	0.050	NA	**0.070**	0.040	.	**0.110**	**0.071**	**0.084**
Lead	mg/l	0.015	.	Not Sampled	0.006	.	NA	.	.	.	.	.	.
Mercury	mg/l	0.0011	.	Not Sampled	NA	.	NA	.	.	.	.	.	.
Selenium	mg/l	0.05	.	Not Sampled	NA	.	NA	.	.	.	.	.	.
Silver	mg/l	0.018	.	Not Sampled	NA	.	NA	.	.	.	.	.	.

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-1 (continued)

Parameter	Units	2L Standard	Mar-00	Sep-00	May-01	Dec-01	Jul-02	Jan-03	May-05	Mar-06	May-06	Nov-06	Jun-07
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.	.	.	.	.	.	.	.	.	.
bis-(2-ethylhexyl) phthalate	ug/L	3.0	.	.	.	.	.	.	.	.	.	.	.
Chlorobenzene	ug/L	50	.	.	.	.	.	.	.	.	.	.	.
Chloroethane	ug/L	2,800	.	.	.	.	.	.	.	.	.	.	.
Chloromethane	ug/L	3	.	.	.	.	.	.	.	.	.	.	2.5
Chlorofluoromethane	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
di-n-butyl phthalate	ug/L	700	.	.	.	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
1,3-Dichlorobenzene	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	700	.	.	.	.	.	.	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	.	.	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	.	.	.	.	.	.	.	.	.	.
Methyl Iodide	ug/L	NS	.	.	.	.	.	2.0	NA	NA	NA	NA	NA
4-(o-cresol) Methylphenol	ug/L	3.5	.	.	.	.	.	.	.	.	.	.	.
Naphthalene	ug/L	21	.	.	.	.	.	.	.	.	.	.	.
N-Nitrosodiphenylamine	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	.	.	.	.	.	.	.	.	.	.	.
Trichlorofluoromethane	ug/L	2,100	.	.	.	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.015	.	.	.	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**0**	**0**	**0**	**0**	**0**	**2.0**	**0**	**0**	**0**	**0**	**2.5**

Metals (total)													
Arsenic	mg/l	0.05	.	.	.	.	.	.	.	.	.	.	.
Barium	mg/l	2.0	.	.	0.294	.	0.281	0.290	0.35	0.37	0.37	0.47	0.47
Cadmium	mg/l	0.005	.	0.0013	0.0014	.	.	.	.	.	.	**0.0020**	.
Chromium	mg/l	0.05	.	.	.	.	.	.	0.014	.	.	**0.11**	0.041
Lead	mg/l	0.015	.	.	.	.	.	.	.	.	.	.	.
Mercury	mg/l	0.0011	.	.	.	.	.	.	.	.	.	.	.
Selenium	mg/l	0.05	.	.	0.0105	.	.	.	.	.	.	.	.
Silver	mg/l	0.018	.	.	.	.	.	.	.	.	.	0.0075	.

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-1 (continued)

Parameter	Units	2L Standard	Nov-07	May-08	Nov-08	May-09	Nov-09	Jun-10	Nov-10	May-11	Nov-11	May-12	Dec-12
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.	.	.	.	.	.	.	.	.	.
Chlorobenzene	ug/L	50	.	.	.	.	.	.	.	.	.	.	.
Chloroethane	ug/L	3,000	.	.	.	.	.	.	.	.	.	.	.
Chloromethane	ug/L	3	.	.	.	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	.	.	.	.	.	.	.	.	.	.	.
1,3-Dichlorobenzene	ug/L	200	.	.	.	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	.	.	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	.	.	.	.	.	.	.	.	.	.
Naphthalene	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	.	.	.	.	.	.	.	.	.	.	.
Trichlorofluoromethane	ug/L	2,000	.	.	.	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.03	.	.	.	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Metals (total)													
Arsenic	mg/l	0.01	.	.	.	.	.	.	.	.	.	.	.
Barium	mg/l	0.7	0.47	0.46	0.40	0.41	0.48	0.40	0.46	0.43	0.47	0.44	0.46
Cadmium	mg/l	0.002	.	0.0012	.	.	.	.	.	.	.	.	.
Chromium	mg/l	0.01	**0.052**	**0.096**	**0.044**	**0.025**	**0.040**	**0.025**	**0.061**	**0.027**	**0.041**	**0.020**	**0.014**
Lead	mg/l	0.015	.	.	.	.	.	.	.	.	.	.	.
Mercury	mg/l	0.001	.	.	.	.	.	.	.	.	.	.	.
Selenium	mg/l	0.02	.	.	.	.	.	.	.	.	.	.	.
Silver	mg/l	0.02	.	0.0074	.	.	.	.	0.0058	.	.	.	.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-1 (continued)

Parameter	Units	2L Standard	Jun-13	Dec-13	Dec-14								
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.	.								
Chlorobenzene	ug/L	50	.	.	.								
Chloroethane	ug/L	3,000	.	.	.								
Chloromethane	ug/L	3	.	.	.								
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	.	.	.								
1,3-Dichlorobenzene	ug/L	200	.	.	.								
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.	.	.								
1,1-Dichloloethane	ug/L	6	.	.	.								
cis-1,2-Dichloroethene	ug/L	70	.	.	.								
Methylene Chloride	ug/L	5.0	.	.	.								
Naphthalene	ug/L	6	.	.	.								
Tetrahydrofuran	ug/L	4.6*	.	.	.								
Trichlorofluoromethane	ug/L	2,000	.	.	.								
Vinyl Chloride	ug/L	0.03	.	.	.								
Total VOCs	**ug/L**	**--**	**0**	**0**	**0**								

Metals (total)													
Arsenic	mg/l	0.01	.	.	.								
Barium	mg/l	0.7	0.50	0.52	0.48								
Cadmium	mg/l	0.002	.	.	.								
Chromium	mg/l	0.01	**0.024**	**0.033**	**0.012**								
Lead	mg/l	0.015	.	.	.								
Mercury	mg/l	0.001	.	.	.								
Selenium	mg/l	0.02	.	.	.								
Silver	mg/l	0.02	.	.	.								

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-2s

Parameter	Units	2L Standard	Aug-90	Mar-91	Apr-91	May-93	Oct-93	Apr-94	Feb-96	Aug-96	Apr-97	Nov-97	Oct-98
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	Not Sampled	.	.	.	.	.	.	**2.24**	.	.
bis-(2-ethylhexyl) phthalate	ug/L	3.0	6 J	Not Sampled	.	.	.	.	.	.	.	.	.
sec-butylbenzene	ug/L	70	.	Not Sampled	.	.	.	.	.	.	.	.	.
Chlorobenzene	ug/L	50	**350**	Not Sampled	**230**	**140**	.	**150**	**62**	**89**	**110**	**110**	**78**
Chloroethane	ug/L	2,800	.	Not Sampled	.	.	.	.	.	.	.	.	.
Chlorofluoromethane	ug/L	No Standard	.	Not Sampled	.	.	.	.	.	.	.	.	.
di-n-butyl phthalate	ug/L	700	25	Not Sampled	.	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	No Standard	62	Not Sampled	39	12	.	13	.	.	5.0	.	.
1,3-Dichlorobenzene	ug/L	No Standard	5 J	Not Sampled	.	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	No Standard	25	Not Sampled	12	.	.	5.0	.	.	.	.	.
1,1-Dichloloethane	ug/L	700	.	Not Sampled	20	5.9	.	5.0	.	.	1.19	.	.
cis-1,2-Dichloroethene	ug/L	70	.	Not Sampled	.	.	.	.	.	.	.	.	.
Ethylbenzene	ug/L	550	.	Not Sampled	.	.	.	.	.	.	.	.	.
Isopropylbenzene	ug/L	70	.	Not Sampled	.	.	.	.	.	.	.	.	.
p-Isopropylbenzene	ug/L	No Standard	.	Not Sampled	.	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	Not Sampled	**6.0**	.	.	.	.	.	.	.	.
Methyl-tert butyl ether	ug/L	200.0	.	Not Sampled	.	.	.	.	.	.	.	.	.
4-(o-cresol) Methylphenol	ug/L	3.5	.	Not Sampled	**47**	.	.	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	21	.	Not Sampled	10 J	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	.	Not Sampled	.	.	.	.	.	.	.	.	.
Toluene	ug/L	1,000	.	Not Sampled	.	.	.	.	.	.	.	.	.
1,2,4-Trimethylbenzene	ug/L	350	.	Not Sampled	.	.	.	.	.	.	.	.	.
1,3,5-Trimethylbenzene	ug/L	350	.	Not Sampled	.	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.015	.	Not Sampled	**16**	.	.	.	.	.	.	.	.
Xylenes	ug/L	530	.	Not Sampled	.	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**473**		**380**	**157.9**	**0**	**173**	**62**	**89**	**118.43**	**110**	**78**
Metals (total)													
Arsenic	mg/l	0.05	.	Not Sampled	NA	.	NA	.	.	.	.	.	.
Barium	mg/l	2.0	0.800	Not Sampled	1.700	1.300	NA	**2.200**	1.900	**2.400**	**2.127**	**2.400**	**2.400**
Cadmium	mg/l	0.005	.	Not Sampled	NA	.	NA	.	.	.	0.003	.	.
Chromium	mg/l	0.05	.	Not Sampled	.	.	NA	.	.	.	0.005	.	.
Lead	mg/l	0.015	.	Not Sampled	.	.	NA	.	.	.	0.005	.	.
Mercury	mg/l	0.0011	.	Not Sampled	.	.	NA	.	.	.	.	.	.
Selenium	mg/l	0.05	.	Not Sampled	.	.	NA	.	.	.	.	.	.
Silver	mg/l	0.018	.	Not Sampled	.	.	NA	.	.	.	.	.	.

NA - compound not analyzed

** - Recommended Interim Maxium Allowable Concentration (IMAC)*

Blank cells indicate compound not detected at the method detection limit.

Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-2s (continued)

Parameter	Units	2L Standard	Mar-00	Nov-06	Jun-07	Nov-07	May-08	Nov-08	May-09	Nov-09	Jun-10	Nov-10	May-11
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	**1.9**	**1.7**	**1.8**	**1.8**	**1.6**	**1.5**	**1.9**	**1.9**	**1.2**	**1.8**
sec-butylbenzene	ug/L	70.0	.	.	.	.	2.0	.	.	.	.	.	.
Chlorobenzene	ug/L	50	**94**	7.3	.	.	.	.	.	.	.	.	.
Chloroethane	ug/L	3,000	.	.	.	.	.	.	.	.	.	.	1
Chloromethane	ug/L	3	.	1.6	.	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	5.0	1.8	.	.	.	.	.	.	.	.	.
1,3-Dichlorobenzene	ug/L	200	.	.	.	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
Dichlorodifluoromethane (freon)	ug/L	1,000	.	**1.9**	.	.	.	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	6	.	.	1.5	3.6	1.6	2.0	.	3.9	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	.	.	.	.	.	.	.	.	.	.
Ethylbenzene	ug/L	600	.	.	1.2	1.4	1.0	1.7	1.5	1.7	.	.	.
Isopropylbenzene (Cumene)	ug/L	70	.	.	1.8	2.3	2.0	1.7	2.1	2.3	2.6	2.1	2.8
p-Isopropylbenzene	ug/L	No Standard	.	1.8	1.1	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	.	.	.	.	.	.	.	.	.	.
Methyl-tert butyl ether	ug/L	20	.	.	1.2	1.2	.	.	1.1	.	.	.	.
4-(o-cresol) Methylphenol	ug/L	40	.	.	.	.	.	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	6	.	3.3	4.1	5.3	6.5	3.1	1.6	6.4	2.0	.	2.1
Tetrahydrofuran	ug/L	4.6*	**54**	**110**	**180**	**190**	**110**	**17**	**11**	**160**	**150**	**91**	**89**
Toluene	ug/L	600	.	.	2.1	1.5	1.1	.	.	1.2	.	.	.
1,2,4-Trimethylbenzene	ug/L	400	.	.	3.3	3.3	.	2.4	2.0	1.7	.	.	1.2
1,3,5-Trimethylbenzene	ug/L	400	.	.	1.1	1.1	1.1	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.03	.	.	.	.	.	.	.	.	.	.	.
Xylenes	ug/L	500	.	.	5.6	5.3	4.8	3.9	4.1	4.0	2.3	.	2.9
Total VOCs	**ug/L**	**--**	**153**	**129.6**	**204.7**	**216.8**	**131.9**	**33.4**	**24.9**	**183.1**	**158.8**	**94.3**	**100.8**

Metals (total)													
Arsenic	mg/l	0.01	.	.	**0.014**	0.0074	0.0067	.	**0.019**	0.0097	**0.024**	**0.015**	.
Barium	mg/l	0.7	**2.24**	0.34	0.36	0.47	0.53	0.31	0.52	0.37	**0.72**	0.41	0.39
Cadmium	mg/l	0.002	0.0033	.	.	.	.	.	.	.	.	.	.
Chromium	mg/l	0.01	.	0.0092	0.0088	**0.022**	**0.012**	0.0098	0.0085	0.010	**0.038**	0.010	0.0091
Lead	mg/l	0.015	.	.	.	.	.	.	.	.	0.0088	.	.
Mercury	mg/l	0.001	.	.	.	.	.	.	.	.	.	.	.
Selenium	mg/l	0.02	.	.	.	.	.	.	0.012	.	.	.	.
Silver	mg/l	0.02	.	0.0050	.	.	.	.	0.0050	0.0054	0.0054	.	.

NA - compound not analyzed

** - Recommended Interim Maxium Allowable Concentration (IMAC)*

Blank cells indicate compound not detected at the method detection limit.

Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-2s (continued)

Parameter	Units	2L Standard	Nov-11	May-12	Dec-12	Jun-13	Dec-13	Dec-14
Volatile Organic Compounds								
Benzene	ug/L	1.0	**2.2**	**1.3**	**1.4**	**1.6**	**1.5**	**2.1**
sec-butylbenzene	ug/L	70.0	.	.	.	.	.	.
Chlorobenzene	ug/L	50	.	.	.	.	.	.
Chloroethane	ug/L	3,000	.	.	.	.	.	.
Chloromethane	ug/L	3	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	.	.	.	.	.	.
1,3-Dichlorobenzene	ug/L	200	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.	.	.	.	.	.
Dichlorodifluoromethane (freon)	ug/L	1,000	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	6	.	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	.	.	.	.	.
Ethylbenzene	ug/L	600	.	.	.	.	.	.
Isopropylbenzene (Cumene)	ug/L	70	3.0	2.7	2.4	2.1	2.9	4.5
p-Isopropylbenzene	ug/L	No Standard	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	.	.	.	.	.
Methyl-tert butyl ether	ug/L	20	.	.	.	.	.	.
4-(o-cresol) Methylphenol	ug/L	40	.	.	.	.	.	.
Naphthalene	ug/L	6	1.9	.	.	1.3	1.0	.
Tetrahydrofuran	ug/L	4.6*	**130**	**85**	**190**	**92**	**150**	**140**
Toluene	ug/L	600	.	.	.	.	.	.
1,2,4-Trimethylbenzene	ug/L	400	.	.	.	.	.	.
1,3,5-Trimethylbenzene	ug/L	400	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.03	.	.	.	.	.	.
Xylenes	ug/L	500	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**137.1**	**89.0**	**193.8**	**97.0**	**155.4**	**146.6**
Metals (total)								
Arsenic	mg/l	0.01	0.0073	0.0082	.	.	.	.
Barium	mg/l	0.7	**0.71**	0.68	**0.82**	**0.75**	**0.80**	**0.72**
Cadmium	mg/l	0.002	.	.	.	.	.	.
Chromium	mg/l	0.01	**0.014**	**0.011**	**0.014**	**0.012**	**0.013**	**0.012**
Lead	mg/l	0.015	.	.	.	.	.	.
Mercury	mg/l	0.001	.	.	.	.	.	.
Selenium	mg/l	0.02	.	.	.	.	.	.
Silver	mg/l	0.02	.	.	0.0051	.	.	.

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-2d

Parameter	Units	2L Standard	Aug-90	Mar-91	Apr-91	May-93	Oct-93	Apr-94	Feb-96	Aug-96	Apr-97	Nov-97	Oct-98
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	Not Sampled	Not Sampled	.	.	.	.	.	**1.79**	.	.
Chlorobenzene	ug/L	50	47	Not Sampled	Not Sampled	**100**	.	**110**	**100**	**93**	**94**	**110**	**57**
Chloroethane	ug/L	2,800	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Chloromethane	ug/L	3	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Chlorofluoromethane	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	No Standard	.	Not Sampled	Not Sampled	26	.	34	12	22	15	6.6	10
1,3-Dichlorobenzene	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	7.2	.	.	.
1,1-Dichloloethane	ug/L	700	.	Not Sampled	Not Sampled	6.3	.	5.0	.	.	1.81	.	.
cis-1,2-Dichloroethene	ug/L	70	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
4-(o-cresol) Methylphenol	ug/L	3.5	.	Not Sampled	Not Sampled	.	.	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	21	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Trichlorofluoromethane	ug/L	2,100	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.015	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**47**			**132.3**	**0**	**149**	**112**	**122.2**	**112.60**	**116.6**	**67**

Metals (total)													
Arsenic	mg/l	0.05	.	NA	NA	.	.	.	.	.	.	.	.
Barium	mg/l	2.0	0.200	NA	0.310	0.112	NA	0.230	0.100	0.250	0.158	0.190	0.180
Cadmium	mg/l	0.005	.	NA	NA	.	NA	.	**0.006**	.	.	.	.
Chromium	mg/l	0.05	.	NA	0.030	.	NA		.	0.015	.	.	.
Lead	mg/l	0.015	**0.440**	.	.	0.015	NA	.	.	0.005	.	.	.
Mercury	mg/l	0.0011	.	NA	NA	.	NA	.	.	.	.	.	.
Selenium	mg/l	0.05	.	NA	NA	.	NA	.	.	.	.	.	.
Silver	mg/l	0.018	.	NA	NA	.	NA	.	.	.	.	.	.

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-2d (continued)

Parameter	Units	2L Standard	Mar-00	Nov-06	Jun-07	Nov-08	May-08	Nov-08	May-09	Nov-09	Jun-10	Nov-10	May-11
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	**1.6**	**2.4**	**2.0**	**2.3**	**1.3**	**1.2**	.	.	.	.
Chlorobenzene	ug/L	50	**68**	.	7.8	8.8	9.4	4.6	5.8	5.5	2.5	4.5	3.5
Chloroethane	ug/L	3,000	.	4.6	.	.	.	.	.	.	.	.	.
Chloromethane	ug/L	3	.	.	.	.	.	.	.	.	.	.	.
Chlorofluoromethane	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	10	.	1.3	1.6	1.9	.	1.2	1.4	1.0	1.2	1.2
1,3-Dichlorobenzene	ug/L	200	.	.	.	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	6	.	1.9	.	.	.	.	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	.	.	.	.	.	.	.	.	.	.
Dichlorodifluoromethane	ug/L	1,000	.	.	1.9	.	1.1	.	.	.	.	.	.
Isopropylbenzene (cumene)	ug/L	70	.	2.1	1.8	3.6	3.1	1.2	1.6	1.5	1.5	.	1.0
p-Isopropylbenzene	ug/L	No Standard	.	3.9	.	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	.	.	.	.	2.3	.	.	.	.	.
Methyl-tert butyl ether	ug/L	20.0	.	1.3	.	.	.	.	.	.	.	.	.
4-(o-cresol) Methylphenol	ug/L	40	.	.	.	.	.	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	6	.	8.9	1.2	1.1	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	**51**	**180**	**170**	**110**	**130**	**13**	**11**	**120**	**51**	**62**	**55**
Trichlorofluoromethane	ug/L	2,000	.	.	.	.	.	.	.	.	.	.	.
1,2,4-Trimethylbenzene	ug/L	400	.	2.5	.	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.03	.	.	.	.	.	.	.	.	.	.	.
Xylenes (total)	ug/L	500	.	4.3	.	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**129**	**211.1**	**186.4**	**127.1**	**147.8**	**22.4**	**20.8**	**128.4**	**56.0**	**67.7**	**60.7**

Metals (total)													
Arsenic	mg/l	0.01	0.0108	.	0.0059	.	0.0068	0.0092	0.0076	0.0084	0.0068	.	.
Barium	mg/l	0.7	.	0.45	0.21	0.19	0.19	0.26	0.15	0.19	**2.2**	0.13	0.23
Cadmium	mg/l	0.002	0.0020	0.0016	.	.	0.0019	.	.	.	**0.024**	.	.
Chromium	mg/l	0.01	.	**0.016**	**0.017**	0.008	0.021	**0.015**	**0.012**	**0.011**	**0.2**	0.0058	**0.018**
Lead	mg/l	0.015	.	.	.	.	.	.	.	.	**0.069**	.	.
Mercury	mg/l	0.001	.	.	.	.	.	0.00021	.	.	.	.	.
Selenium	mg/l	0.02	.	.	.	.	.	.	.	.	.	.	.
Silver	mg/l	0.02	.	.	.	.	.	.	.	.	0.0057	.	.

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-2d (continued)

Parameter	Units	2L Standard	Nov-11	May-12	Dec-12	Jun-13	Dec-13	Dec-14
Volatile Organic Compounds								
Benzene	ug/L	1.0	.	.	.	.	.	.
Chlorobenzene	ug/L	50	4.4	3.1	3.5	4.2	4.8	3.7
Chloroethane	ug/L	3,000	.	.	.	.	.	.
Chloromethane	ug/L	3	.	.	.	1.0	.	.
Chlorofluoromethane	ug/L	No Standard	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	1.1	.	.	1.1	1.1	1.1
1,3-Dichlorobenzene	ug/L	200	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	6	.	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	.	.	.	.	.
Dichlorodifluoromethane	ug/L	1,000	.	.	.	.	.	.
Isopropylbenzene (cumene)	ug/L	70	1.2	.	.	.	.	.
p-Isopropylbenzene	ug/L	No Standard	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	.	.	.	.	.
Methyl-tert butyl ether	ug/L	20.0	.	.	.	.	.	.
4-(o-cresol) Methylphenol	ug/L	40	.	.	.	.	.	.
Naphthalene	ug/L	6	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	**64**	**42**	**39**	**55**	**37**	**34**
Trichlorofluoromethane	ug/L	2,000	.	.	.	.	.	.
1,2,4-Trimethylbenzene	ug/L	400	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.03	.	.	.	.	.	.
Xylenes (total)	ug/L	500	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**70.7**	**45.1**	**42.5**	**61.3**	**42.9**	**38.8**
Metals (total)								
Arsenic	mg/l	0.01	.	.	.	.	.	**0.014**
Barium	mg/l	0.7	0.065	0.20	0.27	0.45	0.42	0.57
Cadmium	mg/l	0.002	.	.	.	.	.	.
Chromium	mg/l	0.01	.	0.0097	**0.012**	**0.017**	**0.012**	**0.031**
Lead	mg/l	0.015	.	.	.	.	.	**0.017**
Mercury	mg/l	0.001	.	.	.	.	.	.
Selenium	mg/l	0.02	.	.	.	.	.	.
Silver	mg/l	0.02	.	.	.	.	.	.

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-3

Parameter	Units	2L Standard	Aug-90	Mar-91	Apr-91	May-93	Oct-93	Apr-94	Feb-96	Aug-96	Apr-97	Nov-97	Oct-98
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
bis-(2-ethylhexyl) phthalate	ug/L	3.0	.	Not Sampled	Not Sampled	.	.	.	.	.	.	**32**	.
Chlorobenzene	ug/L	50	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Chloroethane	ug/L	2,800	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Chlorofluoromethane	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
di-n-butyl phthalate	ug/L	700	8 J	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,3-Dichlorobenzene	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	700	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Methyl Iodide	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
4-(o-cresol) Methylphenol	ug/L	3.5	.	Not Sampled	Not Sampled	.	.	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	21	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
N-Nitrosodiphenylamine	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Trichlorofluoromethane	ug/L	2,100	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.015	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**8.0**			**0**	**0**	**0**	**0**	**0**	**0**	**32**	**0**
Metals (total)													
Arsenic	mg/l	0.05	.	Not Sampled	NA	.	NA	.	.	.	0.004	.	.
Barium	mg/l	2.0	1.50	Not Sampled	1.400	0.669	NA	0.840	0.700	0.950	0.778	0.740	0.440
Cadmium	mg/l	0.005	.	Not Sampled	NA	.	NA	.	.	.	**0.006**	.	.
Chromium	mg/l	0.05	.	Not Sampled	0.030	.	NA	.	0.020	.	0.007	0.018	0.018
Lead	mg/l	0.015	.	Not Sampled	0.006	0.015	NA	.	.	0.005	.	.	0.011
Mercury	mg/l	0.0011	.	Not Sampled	NA	.	NA	.	.	0.0009	0.0008	.	0.0011
Selenium	mg/l	0.05	.	Not Sampled	NA	.	NA	.	.	.	.	.	.
Silver	mg/l	0.018	.	Not Sampled	NA	.	NA	.	.	.	.	.	.

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

***WD-3* (continued)**

Parameter	Units	2L Standard	Mar-00	Sep-00	May-01	Dec-01	Jul-02	Jan-03	May-05	Mar-06	May-06	Nov-06	Jun-07
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.	.	.	.	.	.	.	.	.	.
bis-(2-ethylhexyl) phthalate	ug/L	3.0	.	.	.	.	.	.	.	.	.	.	.
Chlorobenzene	ug/L	50	.	.	.	.	.	.	.	.	.	.	.
Chloroethane	ug/L	2,800	.	.	.	.	.	.	.	.	.	.	.
Chlorofluoromethane	ug/L	No Standard	.	.	.	2.0	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
1,3-Dichlorobenzene	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	700	.	.	.	.	.	.	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	.	.	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	.	.	.	.	.	.	.	.	.	.
Naphthalene	ug/L	21	.	.	.	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	.	**10**	.	.	**15**	**24**	**15**	**59**	**15**	**22**	**18**
Trichlorofluoromethane	ug/L	2,100	.	.	.	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.015	.	.	.	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**0**	**10**	**0**	**2.0**	**15**	**24**	**15**	**59**	**15**	**22**	**18**

Metals (total)													
Arsenic	mg/l	0.05	0.0117	.	.	.	.	.	0.0075	.	.	0.0052	.
Barium	mg/l	2.0	0.602	.	0.325	.	0.297	0.505	1.50	0.96	0.27	0.88	0.83
Cadmium	mg/l	0.005	0.0041	0.0015	0.0013	.	.	.	.	.	.	**0.0043**	**0.003**
Chromium	mg/l	0.05	.	.	.	.	.	.	0.0073	.	0.0023	0.017	0.0079
Lead	mg/l	0.015	.	.	.	.	.	.	.	.	.	.	.
Mercury	mg/l	0.0011	.	.	.	.	.	.	.	.	.	.	0.0004
Selenium	mg/l	0.05	.	.	.	.	.	.	.	.	.	.	.
Silver	mg/l	0.018	.	.	.	.	.	.	.	.	.	.	.

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

***WD-3* (continued)**

Parameter	Units	2L Standard	Nov-07	May-08	Nov-08	May-09	Jun-10	Nov-10	May-11	Nov-11	May-12	Dec-12	Jun-13
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.	.	.	.	.	.	.	.	.	.
Chlorobenzene	ug/L	50	.	.	.	.	.	.	.	.	.	.	.
Chloroethane	ug/L	3,000	.	.	.	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	.	.	.	.	.	.	.	.	.	.	.
1,3-Dichlorobenzene	ug/L	200	.	.	.	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	.	.	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	.	.	.	.	.	.	.	.	.	.
Naphthalene	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	**27**	**34**	**28**	**17**	**11**	**31**	**23**	**21**	**23**	**12**	**20**
Toluene	ug/L	600	.	.	.	.	.	230	.	.	.	.	.
Trichlorofluoromethane	ug/L	2,000	.	.	.	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.03	.	.	.	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**27**	**34**	**28**	**17**	**11**	**261**	**23**	**21**	**23**	**12**	**20**
Metals (total)													
Arsenic	mg/l	0.01	.	0.0076	0.0067	**0.012**	**0.013**	**0.015**	.	.	0.0067	.	.
Barium	mg/l	0.7	**1.1**	**0.84**	**0.82**	**1.2**	**0.75**	**0.92**	**0.84**	**0.79**	0.68	**0.90**	**0.95**
Cadmium	mg/l	0.002	.	**0.005**	.	.	.	0.0039	.	.	0.0015	.	.
Chromium	mg/l	0.01	0.0089	**0.025**	.	0.0093	0.008	**0.025**	0.0079	**0.012**	.	.	.
Lead	mg/l	0.015	.	.	.	.	.	.	.	.	.	.	.
Mercury	mg/l	0.001	0.0002	.	.	0.0003	.	0.00033	.	.	.	.	.
Selenium	mg/l	0.02	0.013	.	0.016	.	.	.	.	.	.	.	.
Silver	mg/l	0.02	.	.	.	.	.	.	.	.	.	.	.

***WD-3* (continued)**

Parameter	Units	2L Standard	Dec-13	Dec-14									
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.									
Chlorobenzene	ug/L	50	.	.									
Chloroethane	ug/L	3,000	.	.									
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	.	.									
1,3-Dichlorobenzene	ug/L	200	.	.									
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.	.									
1,1-Dichloloethane	ug/L	6	.	.									
cis-1,2-Dichloroethene	ug/L	70	.	.									
Methylene Chloride	ug/L	5.0	.	.									
Naphthalene	ug/L	6	.	.									
Tetrahydrofuran	ug/L	4.6*	**14**	**23**									
Toluene	ug/L	600	.	.									
Trichlorofluoromethane	ug/L	2,000	.	.									
Vinyl Chloride	ug/L	0.03	.	.									
Total VOCs	**ug/L**	**--**	**14**	**23**									
Metals (total)													
Arsenic	mg/l	0.01	.	.									
Barium	mg/l	0.7	0.56	**0.96**									
Cadmium	mg/l	0.002	.	.									
Chromium	mg/l	0.01	.	0.0067									
Lead	mg/l	0.015	.	.									
Mercury	mg/l	0.001	.	.									
Selenium	mg/l	0.02	.	.									
Silver	mg/l	0.02	.	.									

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-3D

Parameter	Units	2L Standard	Mar-00	Sep-00	May-01	Dec-01	Jul-02	Jan-03	May-05	Mar-06	May-06	Nov-06	Jun-07
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.	.	.	.	.	.	.	.	.	.
Chlorobenzene	ug/L	50	.	.	.	3.0	.	.	.	.	.	.	.
Chloroethane	ug/L	2,800	.	.	.	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	No Standard	.	.	.	5.0	3.0	3.0	1.8	.	1.0	1.2	1.2
1,3-Dichlorobenzene	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	700	.	.	.	.	.	.	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	.	.	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	.	.	.	.	.	.	.	.	.	.
Naphthalene	ug/L	21	.	.	.	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	9.0	**27**	.	.	**35**	**19**	.	**54**	.	.	.
Trichlorofluoromethane	ug/L	2,100	.	.	.	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.015	.	.	.	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**9.0**	**27**	**0**	**8.0**	**38**	**22**	**1.8**	**54**	**1.0**	**1.2**	**1.2**

Metals (total)													
Arsenic	mg/l	0.05	.	.	.	.	.	.	.	.	.	.	.
Barium	mg/l	2.0	.	.	0.341	.	.	.	0.92	0.071	0.042	0.13	0.084
Cadmium	mg/l	0.005	0.0017	.	0.0011	.	.	.	.	.	.	0.0011	.
Chromium	mg/l	0.05	.	.	.	.	.	.	.	0.0034	0.0028	0.010	0.0067
Lead	mg/l	0.015	.	.	.	.	.	.	.	.	.	.	.
Mercury	mg/l	0.0011	.	.	.	.	.	.	.	.	.	.	0.00026
Selenium	mg/l	0.05	.	.	0.0102	.	.	.	0.0069	.	.	.	.
Silver	mg/l	0.018	.	.	.	.	.	.	.	.	.	.	.

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-3D (continued)

Parameter	Units	2L Standard	Nov-07	May-08	Nov-08	May-09	Nov-09	Jun-10	Nov-10	May-11	Nov-11	May-12	Dec-12
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.	.	.	.	.	.	.	.	.	.
Chlorobenzene	ug/L	50	2.9	1.4	1.1	.	1.1	.	.	.	1.1	.	.
Chloroethane	ug/L	3,000	.	.	.	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	2.7	1.7	1.3	1.3	1.3	1.1	1.2	1.4	1.1	1.1	1.1
1,3-Dichlorobenzene	ug/L	200	.	.	.	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	.	.	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	.	.	.	.	.	.	.	.	.	.
Naphthalene	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	**20**	**16**	.	.	**10**	**.**	**10**	**11**	**11**	.	.
Trichlorofluoromethane	ug/L	2,000	.	.	.	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.03	.	.	.	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**25.6**	**19.1**	**2.4**	**1.3**	**12.4**	**1.1**	**11.2**	**12.4**	**13.2**	**1.1**	**1.1**

Metals (total)													
Arsenic	mg/l	0.01	.	.	.	0.0054	.	0.0056	.	0.0052	.	.	.
Barium	mg/l	0.7	0	0.068	0.11	0.14	0.14	0.08	0.15	0.12	0.14	0.13	0.16
Cadmium	mg/l	0.002	.	.	.	.	.	.	.	.	.	.	.
Chromium	mg/l	0.01	.	0.0056	0.0072	0.0096	**0.011**	0.009	**0.014**	**0.014**	**0.017**	**0.012**	**0.015**
Lead	mg/l	0.015	.	.	.	.	.	.	.	.	.	.	.
Mercury	mg/l	0.001	.	.	.	.	.	.	.	.	.	.	.
Selenium	mg/l	0.02	.	.	.	.	.	.	.	.	.	.	.
Silver	mg/l	0.02	.	.	.	.	.	.	.	.	.	.	.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-3D (continued)

Parameter	Units	2L Standard	Jun-13	Dec-13	Dec-14								
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.	.								
Chlorobenzene	ug/L	50	.	.	.								
Chloroethane	ug/L	3,000	.	.	.								
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	.	.	.								
1,3-Dichlorobenzene	ug/L	200	.	.	.								
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.	.	.								
1,1-Dichloloethane	ug/L	6	.	.	.								
cis-1,2-Dichloroethene	ug/L	70	.	.	.								
Methylene Chloride	ug/L	5.0	.	.	.								
Naphthalene	ug/L	6	.	.	.								
Tetrahydrofuran	ug/L	4.6*	.	.	.								
Trichlorofluoromethane	ug/L	2,000	.	.	.								
Vinyl Chloride	ug/L	0.03	.	.	.								
Total VOCs	**ug/L**	**--**	**0.0**	**0.0**	**0.0**								

Metals (total)													
Arsenic	mg/l	0.01	.	.	.								
Barium	mg/l	0.7	0.14	0.14	0.10								
Cadmium	mg/l	0.002	.	.	.								
Chromium	mg/l	0.01	**0.015**	**0.011**	**0.011**								
Lead	mg/l	0.015	.	.	.								
Mercury	mg/l	0.001	.	.	.								
Selenium	mg/l	0.02	.	.	.								
Silver	mg/l	0.02	.	.	.								

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-4

Parameter	Units	2L Standard	Aug-90	Mar-91	Apr-91	May-93	Oct-93	Apr-94	Feb-96	Aug-96	Apr-97	Nov-97	Oct-98
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Chlorobenzene	ug/L	50	.	Not Sampled	Not Sampled	.	.	.	.	.	2.09	.	.
Chloroethane	ug/L	2,800	9 J	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Chlorofluoromethane	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,3-Dichlorobenzene	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	700	8.0	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Naphthalene	ug/L	21	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Trichlorofluoromethane	ug/L	2,100	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.015	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**17.0**			**0**	**0**	**0**	**0**	**0**	**2.09**	**0**	**0**
Metals (total)													
Arsenic	mg/l	0.05	.	Not Sampled	NA	.	NA	.	.	.	.	.	.
Barium	mg/l	2.0	1.300	Not Sampled	1.400	0.704	NA	.	0.700	1.000	0.706	0.840	0.830
Cadmium	mg/l	0.005	.	Not Sampled	NA	.	NA	**1.0**	.	.	0.002	.	.
Chromium	mg/l	0.05	0.110	Not Sampled	0.110	.	NA	.	.	.	.	.	.
Lead	mg/l	0.015	0.010	Not Sampled	0.006	0.018	NA	.	.	.	.	.	.
Mercury	mg/l	0.0011	.	Not Sampled	NA	.	NA	.	.	.	.	.	.
Selenium	mg/l	0.05	.	Not Sampled	NA	.	NA	.	.	.	.	.	.
Silver	mg/l	0.018	.	Not Sampled	NA	.	NA	.	.	.	.	.	.

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

***WD-4* (continued)**

Parameter	Units	2L Standard	Mar-00	Sep-00	May-01	Dec-01	Jul-02	Jan-03	May-05	Mar-06	May-06	Nov-06	Jun-07
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.	.	.	.	1.0	.	.	.	.	.
Chlorobenzene	ug/L	50	.	.	.	1.0	1.0	2.0	.	1.1	1.3	1.5	1.4
Chloroethane	ug/L	2,800	.	.	.	2.0	1.0	.	.	.	.	.	.
Chlorofluoromethane	ug/L	No Standard	.	.	.	.	.	.	NA	NA	NA	NA	NA
1,2-Dichlorobenzene (o-Dichloro)	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
1,3-Dichlorobenzene	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	No Standard	.	.	.	.	.	2.0	.	.	.	.	.
1,1-Dichloloethane	ug/L	700	.	.	.	.	.	.	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	.	.	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	.	.	.	.	.	.	.	.	.	.
Naphthalene	ug/L	21	.	.	.	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	.	**16**	.	.	**24**	**20**	**18**	**60**	**16**	**17**	.
Trichlorofluoromethane	ug/L	2,100	.	.	.	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.015	.	.	.	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**0**	**16**	**0**	**3.0**	**26**	**25**	**18**	**61.1**	**17.3**	**18.5**	**1.4**

Metals (total)													
Arsenic	mg/l	0.05	.	.	.	.	.	.	0.0060	.	.	.	.
Barium	mg/l	2.0	0.761	0.752	0.685	0.797	0.770	0.741	0.079	0.84	0.71	0.76	0.70
Cadmium	mg/l	0.005	0.0021	0.0015	0.0017	.	.	.	.	.	.	.	.
Chromium	mg/l	0.05	.	.	.	.	.	.	.	.	.	0.011	.
Lead	mg/l	0.015	.	.	.	.	.	.	.	.	.	.	.
Mercury	mg/l	0.0011	.	.	.	.	.	.	.	.	.	.	.
Selenium	mg/l	0.05	.	.	.	.	.	.	.	0.0074	0.0061	.	.
Silver	mg/l	0.018	.	.	0.0134	.	.	.	.	.	.	.	.

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

***WD-4* (continued)**

Parameter	Units	2L Standard	Nov-07	May-08	Nov-08	May-09	Jun-10	Nov-10	May-11	Nov-11	May-12	Dec-12	Jun-13
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.	.	.	.	.	.	.	.	.	.
Chlorobenzene	ug/L	50	.	1.5	1.2	1.4	1.3	1.5	1.5	1.9	.	1.5	1.5
Chloroethane	ug/L	3,000	.	.	.	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	.	.	.	.	.	.	.	.	.	.	.
1,3-Dichlorobenzene	ug/L	200	.	.	.	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	1.0	.	.	.	.	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	.	.	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	.	.	.	.	.	.	.	.	.	.
Naphthalene	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	**18**	**22**	**20**	**17**	**16**	**17**	**19**	**21**	.	.	**20**
Trichlorofluoromethane	ug/L	2,000	.	.	.	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.03	.	.	.	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**19**	**23.5**	**21.2**	**18.4**	**17.3**	**18.5**	**20.5**	**22.9**	**0.0**	**1.5**	**21.5**

Metals (total)													
Arsenic	mg/l	0.01	.	.	.	0.0090	0.013	0.0053	.	.	.	.	.
Barium	mg/l	0.7	**0.77**	**0.78**	0.66	**0.78**	**0.95**	**0.83**	**0.75**	**0.82**	**0.72**	**0.86**	**0.81**
Cadmium	mg/l	0.002	.	.	.	.	0.0013	.	.	.	.	.	.
Chromium	mg/l	0.01	0.02	**0.016**	0.0059	.	**0.016**	0.0054	0.0061	0.0077	0.0056	0.0077	0.0068
Lead	mg/l	0.015	.	.	.	.	.	.	.	.	.	.	.
Mercury	mg/l	0.001	.	.	.	.	.	.	.	.	.	.	.
Selenium	mg/l	0.02	.	.	.	.	.	.	.	.	.	.	.
Silver	mg/l	0.02	.	.	.	.	.	.	.	0.0050	.	.	.

***WD-4* (continued)**

Parameter	Units	2L Standard	Dec-13	Dec-14									
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.									
Chlorobenzene	ug/L	50	1.5	1.6									
Chloroethane	ug/L	3,000	.	.									
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	.	.									
1,3-Dichlorobenzene	ug/L	200	.	.									
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.	.									
1,1-Dichloloethane	ug/L	6	.	.									
cis-1,2-Dichloroethene	ug/L	70	.	.									
Methylene Chloride	ug/L	5.0	.	.									
Naphthalene	ug/L	6	.	.									
Tetrahydrofuran	ug/L	4.6*	**25**	**14**									
Trichlorofluoromethane	ug/L	2,000	.	.									
Vinyl Chloride	ug/L	0.03	.	.									
Total VOCs	**ug/L**	**--**	**27**	**15.6**									

Metals (total)													
Arsenic	mg/l	0.01	.	.									
Barium	mg/l	0.7	**0.82**	**0.84**									
Cadmium	mg/l	0.002	.	.									
Chromium	mg/l	0.01	0.0064	**0.011**									
Lead	mg/l	0.015	.	.									
Mercury	mg/l	0.001	.	.									
Selenium	mg/l	0.02	.	.									
Silver	mg/l	0.02	.	.									

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-4D

Parameter	Units	2L Standard	Mar-00	Sep-00	May-01	Dec-01	Jul-02	Jan-03	May-05	Mar-06	May-06	Nov-06	Jun-07
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.	.	.	.	.	.	.	.	.	.
Chlorobenzene	ug/L	50	.	.	.	.	.	.	.	.	.	.	.
Chloroethane	ug/L	2,800	.	.	.	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
1,3-Dichlorobenzene	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	700	.	.	.	.	.	1.0	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	.	.	.	.	1.0	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	.	.	.	.	.	.	.	.	.	.
Methyl-tert-butyl ether	ug/L	200	.	.	.	.	.	.	1.0	.	.	.	.
Naphthalene	ug/L	21	.	.	.	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	7.0	**20**	.	.	**33**	**23**	**13**	**61**	.	**13**	.
Trichlorofluoromethane	ug/L	2,100	.	.	.	.	2.0	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.015	.	.	.	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**7.0**	**20**	**0**	**0**	**35**	**25**	**14**	**61**	**0**	**13**	**0**
Metals (total)													
Arsenic	mg/l	0.05	.	.	.	.	.	.	.	.	.	.	.
Barium	mg/l	2.0	.	.	.	.	.	.	0.066	0.048	0.035	0.026	0.020
Cadmium	mg/l	0.005	0.0015	0.0011	.	.	.	.	.	.	.	.	.
Chromium	mg/l	0.05	.	.	.	.	.	.	0.015	.	.	.	.
Lead	mg/l	0.015	.	.	.	.	.	.	.	.	.	.	.
Mercury	mg/l	0.0011	.	.	.	.	.	.	.	.	.	.	.
Selenium	mg/l	0.05	.	.	0.0119	.	.	.	.	.	.	.	.
Silver	mg/l	0.018	.	.	.	.	.	.	.	.	.	.	.

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-4D (continued)

Parameter	Units	2L Standard	Nov-07	May-08	Nov-08	May-09	Nov-09	Jun-10	Nov-10	May-11	Nov-11	May-12	Dec-12
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.	.	.	.	.	.	.	.	.	.
Bromomethane	ug/L	NSE	.	.	.	.	.	.	3.1	.	.	.	.
Chlorobenzene	ug/L	50	.	.	.	.	.	.	.	.	.	1.4	.
Chloroethane	ug/L	3,000	.	.	.	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	.	.	.	.	.	.	.	.	.	.	.
1,3-Dichlorobenzene	ug/L	200	.	.	.	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	1.0	.	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	.	.	.	.	.	.	.	.	.	.
Methyl-tert-butyl ether	ug/L	20	.	.	.	.	.	.	.	.	.	.	.
Naphthalene	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	.	**15**	.	.	.	.	.	.	.	**17**	.
Trichlorofluoromethane	ug/L	2,000	.	.	.	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.03	.	.	.	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**0**	**16**	**0**	**0**	**0**	**0**	**3.1**	**0**	**0**	**18.4**	**0**

Metals (total)													
Arsenic	mg/l	0.01	.	.	.	0.0054	.	.	.	.	.	.	.
Barium	mg/l	0.7	0.046	0.038	0.031	0.042	0.041	0.037	0.038	0.033	0.057	0.029	0.032
Cadmium	mg/l	0.002	.	.	.	.	.	.	.	.	.	.	.
Chromium	mg/l	0.01	.	.	.	.	.	.	.	.	.	.	.
Lead	mg/l	0.015	.	.	.	.	.	.	.	.	.	.	.
Mercury	mg/l	0.001	.	.	.	.	.	.	.	.	.	.	.
Selenium	mg/l	0.02	.	.	.	.	.	.	.	.	.	.	.
Silver	mg/l	0.02	.	.	.	.	.	.	.	.	.	.	.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-4D (continued)

Parameter	Units	2L Standard	Jun-13	Dec-13	Dec-14								
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.	.								
Bromomethane	ug/L	NSE	.	.	.								
Chlorobenzene	ug/L	50	.	.	.								
Chloroethane	ug/L	3,000	.	.	.								
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	.	.	.								
1,3-Dichlorobenzene	ug/L	200	.	.	.								
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.	.	.								
1,1-Dichloloethane	ug/L	6	.	.	.								
cis-1,2-Dichloroethene	ug/L	70	.	.	.								
Methylene Chloride	ug/L	5.0	.	.	.								
Methyl-tert-butyl ether	ug/L	20	.	.	.								
Naphthalene	ug/L	6	.	.	.								
Tetrahydrofuran	ug/L	4.6*	.	.	.								
Trichlorofluoromethane	ug/L	2,000	.	.	.								
Vinyl Chloride	ug/L	0.03	.	.	.								
Total VOCs	**ug/L**	**--**	**0**	**0**	**0**								

Metals (total)													
Arsenic	mg/l	0.01	.	.	.								
Barium	mg/l	0.7	0.035	0.031	0.030								
Cadmium	mg/l	0.002	.	.	.								
Chromium	mg/l	0.01	.	.	.								
Lead	mg/l	0.015	.	.	.								
Mercury	mg/l	0.001	.	.	.								
Selenium	mg/l	0.02	.	.	.								
Silver	mg/l	0.02	.	.	.								

NSE- No Standard Exists
NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-5

Parameter	Units	2L Standard	Aug-90	Mar-91	Apr-91	May-93	Oct-93	Apr-94	Feb-96	Aug-96	Apr-97	Nov-97	Oct-98
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
bis-(2-ethylhexyl) phthalate	ug/L	3.0	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Chlorobenzene	ug/L	50	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Chloroethane	ug/L	3,000	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Chlorofluoromethane	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
di-n-butyl phthalate	ug/L	700	6 J	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,3-Dichlorobenzene	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	700	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Methyl Iodide	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
4-(o-cresol) Methylphenol	ug/L	3.5	.	Not Sampled	Not Sampled	.	.	NA	NA	NA	NA	NA	NA
Naphthalene	ug/L	21	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
N-Nitrosodiphenylamine	ug/L	No Standard	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Trichlorofluoromethane	ug/L	2,100	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.015	.	Not Sampled	Not Sampled	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**6.0**			**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Metals (total)													
Arsenic	mg/l	0.01	.	Not Sampled	NA	.	.	.	.	.	.	.	.
Barium	mg/l	0.7	0.460	Not Sampled	0.490	0.128	NA	.	0.300	0.056	0.191	1.0	1.1
Cadmium	mg/l	0.002	.	Not Sampled	NA	0.036	NA	.	.	.	0.002	.	.
Chromium	mg/l	0.01	0.050	Not Sampled	**0.090**	.	NA	.	0.020	.	0.021	**0.180**	**0.190**
Lead	mg/l	0.015	0.009	Not Sampled	0.011	**0.017**	NA	.	.	.	0.004	**0.039**	**0.035**
Mercury	mg/l	0.001	.	Not Sampled	NA	.	NA	.	.	.	.	.	.
Selenium	mg/l	0.02	.	Not Sampled	NA	.	NA	.	.	.	.	.	.
Silver	mg/l	0.02	.	Not Sampled	NA	0.006	NA	.	.	.	0.004	.	.

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

WD-5 (cont.)

Parameter	Units	2L Standard	Dec-14										
Volatile Organic Compounds													
Benzene	ug/L	1.0	.										
bis-(2-ethylhexyl) phthalate	ug/L	3.0	.										
Chlorobenzene	ug/L	50	.										
Chloroethane	ug/L	3,000	.										
Chlorofluoromethane	ug/L	No Standard	.										
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	.										
1,3-Dichlorobenzene	ug/L	200	.										
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.										
1,1-Dichloloethane	ug/L	7	.										
cis-1,2-Dichloroethene	ug/L	70	.										
Methylene Chloride	ug/L	5.0	.										
Naphthalene	ug/L	6	.										
Tetrahydrofuran	ug/L	4.6*	.										
Vinyl Chloride	ug/L	0.015	.										
Total VOCs	**ug/L**	**--**	**0.0**										

Metals (total)													
Arsenic	mg/l	0.01	.										
Barium	mg/l	0.7	**1.8**										
Cadmium	mg/l	0.002	.										
Chromium	mg/l	0.01	**0.46**										
Lead	mg/l	0.015	**0.035**										
Mercury	mg/l	0.001	.										
Selenium	mg/l	0.02	.										
Silver	mg/l	0.02	.										

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-7

Parameter	Units	2L Standard	Mar-91	Apr-91	Mar-00	Sep-00	May-01	Dec-01	Jul-02	Jan-03	May-05	Mar-06	May-06
Volatile Organic Compounds													
Benzene	ug/L	1.0	NA	NA	.	.	.	.	.	.	.	.	.
Chlorobenzene	ug/L	50	.	NA	.	.	.	.	.	.	.	.	.
Chloroethane	ug/L	2,800	.	NA	.	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	No Standard	.	NA	.	.	.	.	.	.	.	.	.
1,3-Dichlorobenzene	ug/L	No Standard	.	NA	.	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	No Standard	.	NA	.	.	.	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	700	.	NA	.	.	.	.	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	NA	.	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	NA	.	.	.	.	.	.	.	.	.
Naphthalene	ug/L	21	NA	NA	.	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	.	NA	.	.	.	.	.	.	.	.	.
Trichlorofluoromethane	ug/L	2,100	.	NA	.	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.015	NA	NA	.	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**0**		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Metals (total)													
Arsenic	mg/l	0.05	NA	NA	.	.	.	.	.	.	.	.	.
Barium	mg/l	2.0	.	0.120	.	.	.	.	.	.	0.045	0.081	0.054
Cadmium	mg/l	0.005	NA	NA	.	.	0.001	.	.	.	.	.	.
Chromium	mg/l	0.05	.	.	.	.	0.0153	0.019	.	.	.	0.019	0.012
Lead	mg/l	0.015	.	.	.	.	.	.	.	.	.	.	.
Mercury	mg/l	0.0011	NA	NA	.	.	.	.	.	.	.	.	.
Selenium	mg/l	0.05	NA	NA	.	.	.	.	.	.	.	.	.
Silver	mg/l	0.018	NA	NA	.	.	.	.	.	.	.	.	.

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-7 (continued)

Parameter	Units	2L Standard	Nov-06	Jun-07	Nov-07	May-08	Nov-08	May-09	Nov-09	Jun-10	Nov-10	May-11	Nov-11
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.	.	.	.	.	.	.	.	.	.
Chlorobenzene	ug/L	50	.	.	.	.	.	.	.	.	.	.	.
Chloroethane	ug/L	2,800	.	.	.	.	.	.	.	.	.	.	.
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	.	.	.	.	.	.	.	.	.	.	.
1,3-Dichlorobenzene	ug/L	200	.	.	.	.	.	.	.	.	.	.	.
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
1,1-Dichloloethane	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
cis-1,2-Dichloroethene	ug/L	70	.	.	.	.	.	.	.	.	.	.	.
Methylene Chloride	ug/L	5.0	.	.	.	.	.	.	.	.	.	.	.
Naphthalene	ug/L	6	.	.	.	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.6*	.	.	.	.	.	.	.	.	.	.	.
Trichlorofluoromethane	ug/L	2,000	.	.	.	.	.	.	.	.	.	.	.
Vinyl Chloride	ug/L	0.03	.	.	.	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Metals (total)													
Arsenic	mg/l	0.01	.	.	.	.	.	.	.	.	.	.	.
Barium	mg/l	0.7	0.14	0.12	0.29	0.33	0.20	0.22	0.36	0.23	0.24	0.15	**0.92**
Cadmium	mg/l	0.002	.	.	.	0.0012	.	.	.	.	.	.	.
Chromium	mg/l	0.01	**0.056**	0.043	**0.21**	**0.25**	**0.075**	**0.13**	**0.17**	**0.15**	**0.14**	**0.092**	**0.57**
Lead	mg/l	0.015	.	.	.	.	.	.	.	.	.	.	.
Mercury	mg/l	0.001	.	.	.	.	.	.	.	.	.	.	.
Selenium	mg/l	0.02	.	.	.	.	.	.	.	.	.	.	0.014
Silver	mg/l	0.02	.	.	.	.	.	.	.	.	.	.	.

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-7 (continued)

Parameter	Units	2L Standard	May-12	Dec-12	Jun-13	Dec-13	Dec-14						
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.	.	.	.						
Chlorobenzene	ug/L	50	.	.	.	.	.						
Chloroethane	ug/L	2,800	.	.	.	.	.						
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	.	.	.	.	.						
1,3-Dichlorobenzene	ug/L	200	.	.	.	.	.						
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.	.	.	.	.						
1,1-Dichloloethane	ug/L	6	.	.	.	.	.						
cis-1,2-Dichloroethene	ug/L	70	.	.	.	.	.						
Methylene Chloride	ug/L	5.0	.	.	.	.	.						
Naphthalene	ug/L	6	.	.	.	.	.						
Tetrahydrofuran	ug/L	4.6*	.	.	.	.	.						
Trichlorofluoromethane	ug/L	2,000	.	.	.	.	.						
Vinyl Chloride	ug/L	0.03	.	.	.	.	.						
Total VOCs	**ug/L**	**--**	**0**	**0**	**0**	**0**	**0**						

Metals (total)													
Arsenic	mg/l	0.01	.	.	.	.	.						
Barium	mg/l	0.7	0.42	0.61	0.56	0.58	0.86						
Cadmium	mg/l	0.002	0.0013	.	.	.	.						
Chromium	mg/l	0.01	**0.23**	**0.22**	**0.37**	**0.21**	**0.57**						
Lead	mg/l	0.015	.	.	.	.	0.013						
Mercury	mg/l	0.001	.	.	.	.	.						
Selenium	mg/l	0.02	.	.	.	.	.						
Silver	mg/l	0.02	.	.	.	.	.						

NA - compound not analyzed
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 1. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-8

Parameter	Units	2L Standard	Oct-13	Dec-13									
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.									
Chlorobenzene	ug/L	50	.	.									
Chloroethane	ug/L	2,800	.	.									
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	.	.									
1,3-Dichlorobenzene	ug/L	200	.	.									
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.	.									
1,1-Dichloloethane	ug/L	6	.	.									
cis-1,2-Dichloroethene	ug/L	70	.	.									
Methylene Chloride	ug/L	5.0	.	.									
Naphthalene	ug/L	6	.	.									
Tetrahydrofuran	ug/L	4.6*	.	.									
Trichlorofluoromethane	ug/L	2,000	.	.									
Vinyl Chloride	ug/L	0.03	.	.									
Total VOCs	**ug/L**	**--**	**0**	**0**									

Metals (total)													
Arsenic	mg/l	0.01	**0.023**	.									
Barium	mg/l	0.7	**1.4**	**2.0**									
Cadmium	mg/l	0.002	**0.0033**	**0.0043**									
Chromium	mg/l	0.01	**0.45**	**0.55**									
Lead	mg/l	0.015	**0.036**	**0.036**									
Mercury	mg/l	0.001	.	.									
Selenium	mg/l	0.02	.	.									
Silver	mg/l	0.02	.	.									

** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.

Table 1. Groundwater Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

WD-9

Parameter	Units	2L Standard	Oct-13	Dec-13	Dec-14								
Volatile Organic Compounds													
Benzene	ug/L	1.0	.	.	.								
Chlorobenzene	ug/L	50	.	.	1.4								
Chloroethane	ug/L	2,800	.	.	.								
1,2-Dichlorobenzene (o-Dichloro)	ug/L	20	.	.	.								
1,3-Dichlorobenzene	ug/L	200	.	.	.								
1,4-Dichlorobenzene (p-Dichloro)	ug/L	6	.	.	.								
1,1-Dichloloethane	ug/L	6	.	.	.								
cis-1,2-Dichloroethene	ug/L	70	.	.	.								
Methylene Chloride	ug/L	5.0	.	.	.								
Naphthalene	ug/L	6	.	.	.								
Tetrahydrofuran	ug/L	4.6*	.	.	**19**								
Trichlorofluoromethane	ug/L	2,000	.	.	.								
Vinyl Chloride	ug/L	0.03	.	.	.								
Total VOCs	**ug/L**	**--**	**0**	**0**	**20.4**								

Metals (total)													
Arsenic	mg/l	0.01	.	.	.								
Barium	mg/l	0.7	**0.74**	0.38	0.41								
Cadmium	mg/l	0.002	**0.011**	**0.0032**	**0.0033**								
Chromium	mg/l	0.01	**0.03**	**0.016**	**0.015**								
Lead	mg/l	0.015	.	.	0.007								
Mercury	mg/l	0.001	.	.	.								
Selenium	mg/l	0.02	.	.	.								
Silver	mg/l	0.02	.	.	.								

** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.

Table 3. Surface Water Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

SW-1 (upstream)

Parameter	Units	2B Standard	Mar-00	Sep-00	May-01	Dec-01	Jul-02	Jan-03	May-05	Mar-06	May-06	Nov-06	Jun-07
Volatile Organic Compounds													
Chlorobenzene	ug/L	488	.	.	.	.	dry	.	.	.	.	.	.
Chlorofluoromethane	ug/L	No Standard	.	.	.	.	dry	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.4903*	.	.	.	.	dry	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**0**	**0**	**0**	**0**		**0**	**0**	**0**	**0**	**0**	**0**
Metals (total)													
Arsenic	mg/l	0.05	.	.	.	.	dry	.	.	.	.	.	.
Barium	mg/l	1.0	.	.	.	.	dry	.	0.083	0.077	0.042	0.180	0.11
Cadmium	mg/l	0.002	.	0.0016	0.0011	.	dry	.	.	.	.	.	.
Chromium	mg/l	0.05	.	.	.	.	dry	.	.	.	.	.	.
Lead	mg/l	0.025	.	.	.	.	dry	.	.	.	.	.	.
Mercury	mg/l	0.000012	.	.	.	.	dry	.	.	.	.	.	.
Selenium	mg/l	0.005	.	.	.	.	dry	.	.	.	.	.	.
Silver	mg/l	0.00006	.	.	.	.	dry	.	.	.	.	.	.

SW-1 (upstream cont.)

Parameter	Units	2B Standard	Nov-07	May-08	Nov-08	May-09	Nov-09	Jun-10	Nov-10	May-11	Nov-11	May-12	Dec-12
Volatile Organic Compounds													
Chlorobenzene	ug/L	488	.	.	.	.	.	.	.	.	.	.	.
Chlorofluoromethane	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.4903*	.	.	.	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Metals (total)													
Arsenic	mg/l	0.05	.	.	.	.	.	.	.	.	.	.	.
Barium	mg/l	1.0	0.11	0.12	0.085	0.099	0.15	0.079	0.073	0.054	0.086	0.28	0.060
Cadmium	mg/l	0.002	.	.	.	.	.	.	.	.	.	.	.
Chromium	mg/l	0.05	.	.	.	.	.	.	0.0075	.	.	.	.
Lead	mg/l	0.025	.	.	.	.	.	.	.	.	.	.	.
Mercury	mg/l	0.000012	.	.	.	.	.	.	.	.	.	.	.
Selenium	mg/l	0.005	.	.	.	.	.	.	.	.	.	.	.
Silver	mg/l	0.00006	.	.	.	.	.	.	.	.	.	.	.

Table 3. Surface Water Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

SW-1 (upstream cont.)

Parameter	Units	2B Standard	Jun-13	Dec-13	Dec-14								
Volatile Organic Compounds													
Chlorobenzene	ug/L	488	.	.	.								
Chlorofluoromethane	ug/L	No Standard	.	.	.								
Tetrahydrofuran	ug/L	4.4903*	.	.	.								
Total VOCs	**ug/L**	**--**	**0**	**0**	**0**								
Metals (total)													
Arsenic	mg/l	0.05	.	.	.								
Barium	mg/l	1.0	0.11	0.14	0.059								
Cadmium	mg/l	0.002	.	.	.								
Chromium	mg/l	0.05	.	.	.								
Lead	mg/l	0.025	.	.	.								
Mercury	mg/l	0.000012	.	.	.								
Selenium	mg/l	0.005	.	.	.								
Silver	mg/l	0.00006	.	.	.								

NA - compound not analyzed
2B - Standard for Class C Surface Water
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Table 3. Surface Water Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

SW-2 (downgradient)

Parameter	Units	2B Standard	Mar-00	Sep-00	May-01	Dec-01	Jul-02	Jan-03	May-05	Mar-06	May-06	Nov-06	Jun-07
Volatile Organic Compounds													
Chlorobenzene	ug/L	488	.	.	.	1.0	dry	2.0	.	.	.	.	1.3
Chlorofluoromethane	ug/L	No Standard	.	.	.	1.0	dry	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.4903*	.	**6.0**	.	.	dry	**8.0**	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**0**	**6.0**	**0**	**2.0**		**10**	**0**	**0**	**0**	**0**	**1.3**
Metals (total)													
Arsenic	mg/l	0.05	.	.	.	.	dry	.	.	.	.	.	.
Barium	mg/l	1.0	.	.	0.150	.	dry	0.116	0.077	0.33	0.10	0.11	0.30
Cadmium	mg/l	0.002	.	.	.	.	dry	.	.	.	.	.	.
Chromium	mg/l	0.05	.	.	.	.	dry	.	0.0026	.	.	.	.
Lead	mg/l	0.025	.	.	.	.	dry	.	.	.	.	.	.
Mercury	mg/l	0.000012	.	.	.	.	dry	.	.	.	.	.	.
Selenium	mg/l	0.005	.	.	**0.0148**	.	dry	.	.	.	.	.	.
Silver	mg/l	0.00006	.	.	.	.	dry	.	**0.0026**	.	.	.	.

SW-2 (downgradient cont.)

Parameter	Units	2B Standard	Nov-07	May-08	Nov-08	May-09	Nov-09	Jun-10	Nov-10	May-11	Nov-11	May-12	Dec-12
Volatile Organic Compounds													
Chlorobenzene	ug/L	488	.	.	1.1	.	.	.	.	.	.	.	.
Chlorofluoromethane	ug/L	No Standard	.	.	.	.	.	.	.	.	.	.	.
Tetrahydrofuran	ug/L	4.4903*	.	.	.	.	.	.	.	.	.	.	.
Total VOCs	**ug/L**	**--**	**0**	**0**	**1.1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Metals (total)													
Arsenic	mg/l	0.05	.	.	.	.	.	.	.	.	.	.	.
Barium	mg/l	1.0	0.10	0.12	0.15	0.12	0.16	0.11	0.095	0.096	0.18	0.079	0.12
Cadmium	mg/l	0.002	.	.	.	.	.	.	.	.	.	.	.
Chromium	mg/l	0.05	.	.	.	.	.	.	.	.	.	.	.
Lead	mg/l	0.025	.	.	.	.	.	.	.	.	.	.	.
Mercury	mg/l	0.000012	.	.	.	.	.	.	.	.	.	.	.
Selenium	mg/l	0.005	.	.	.	.	.	.	.	.	.	.	.
Silver	mg/l	0.00006	.	.	.	.	.	.	.	.	.	.	.

Table 3. Surface Water Laboratory Analytical Results, Wiley Davis Landfill, Greensboro, North Carolina

SW-2 (downgradient cont.)

Parameter	Units	2B Standard	Jun-13	Dec-13	Dec-14								
Volatile Organic Compounds													
Chlorobenzene	ug/L	488	.	.	1.0								
Chlorofluoromethane	ug/L	No Standard	.	.	.								
Tetrahydrofuran	ug/L	4.4903*	.	.	.								
Total VOCs	**ug/L**	**--**	**0**	**0**	**1**								
Metals (total)													
Arsenic	mg/l	0.05	.	.	.								
Barium	mg/l	1.0	0.16	0.099	0.15								
Cadmium	mg/l	0.002	.	.	.								
Chromium	mg/l	0.05	.	.	.								
Lead	mg/l	0.025	.	.	.								
Mercury	mg/l	0.000012	.	.	.								
Selenium	mg/l	0.005	.	.	.								
Silver	mg/l	0.00006	.	.	.								

NA - compound not analyzed
2B - Standard for Class C Surface Water
** - Recommended Interim Maxium Allowable Concentration (IMAC)*
Blank cells indicate compound not detected at the method detection limit.
Data thru 1.15.2003 compiled from previous report tables.

Appendix A