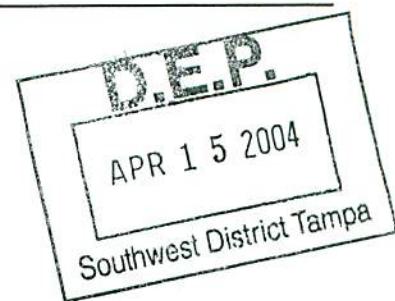


270560  
(Expansion) [includes private wells]  
100494  
GW  
SW  
LGACIT



Hillsborough County  
Florida



## **ANALYTICAL DATA REPORT FEBRUARY 2004**

### **SOUTHEAST COUNTY LANDFILL SITE HILLSBOROUGH COUNTY, FLORIDA**

Hillsborough County  
Solid Waste Management Department  
Management & Environmental Services Section  
P.O. Box 1110  
Tampa, Florida 33601

April 8, 2004

Florida Department of Environmental Protection

Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

DEP Form # 62-522.900(2)

Form Title Ground Water Monitoring Report

Effective Date \_\_\_\_\_

DEP Application No. \_\_\_\_\_

**GROUND WATER MONITORING REPORT**

Rule 62-522.600(11)

D.E.P.  
APR 15 2004

Southwest District Tampa

PART I GENERAL INFORMATION

(1) Facility Name SOUTHEAST LANDFILL

Address 15960 C. R. 672

City PICNIC, FL

Zip 33503

Telephone Number ( 813 ) 671-7707

(2) The GMS Identification Number 4029C30075

(3) DEP Permit Number 35435-006-SO

(4) Authorized Representative Name DARYL H. SMITH, DIRECTOR, SOLID WASTE MANAGEMENT DEPT

Address P O BOX 1110

City TAMPA, FLORIDA

Zip 33601

Telephone Number ( 813 ) 276-2900

(5) Type of Discharge GROUNDWATER – POTENTIAL ONLY

(6) Method of Discharge LANDFILL

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date: 4/14/04

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP #

Analytical Lab Comp QAP # /HRS Certification #

\*Comp QAP # /HRS Certification #

Lab Name ELAB, INC

Address 8 E. TOWER CIRCLE, ORMOND BEACH, FL 32174

Phone Number ( 386 ) 672-5668

BOARD OF COUNTY COMMISSIONERS

Kathy Castor  
Pat Frank  
Ken Hagan  
Jim Norman  
Jan K. Platt  
Thomas Scott  
Ronda Storms



Hillsborough County  
Florida

Assistant County Administrators  
Bernardo Garcia  
Carl S. Harness

Office of the County Administrator  
Patricia G. Bean

April 8, 2004

Mr. John Morris, P.G.  
Department of Environmental Protection  
Southwest District-Solid Waste Section  
3804 Coconut Palm Drive  
Tampa, FL 33619-8318

FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
APR 15 2004  
SOUTHWEST DISTRICT  
TAMPA

**Re: Southeast County Landfill  
Operations Permit No. 35435-006-SO  
Semi-Annual Analytical Data Report, February 2004**

Dear Mr. Morris:

In accordance with the Landfill Operation Permits No. 35435-006-SO and 35435-007-SO, the Hillsborough County Solid Waste Management Department (SWMD) is pleased to provide the February 2004 analytical data report (ADR) for the semi-annual water quality monitoring at the Southeast County Landfill (SCLF). Samples were collected by the SWMD Field Sampling Team on February 9 through February 12, 2004.

The designated background well, TH-36A was sampled during this event for the parameters listed in Specific Condition 36(b) of the Operations Permit for Section 7. This well was inadvertently excluded from the November 10, 2003 sampling of the seven wells installed as part of the new permits.

The water quality observed across the SCLF remains consistent with the historical data set. The surficial aquifer monitoring wells continue to exhibit pH values below the acceptable range of 6.5 to 8.5 pH units. Iron and pH are consistently observed outside of their respective Secondary Drinking Water Standards (SDWS) within the surficial aquifer at the SCLF. The SWMD maintains the position that the iron and pH can be attributable to the previous usages of the property as a phosphate mining area. The violations of the water quality criteria and the overall impact to the future groundwater monitoring activities at the SCLF are discussed in applicable parameter specific details herein.

Mr. John Morris, P.G.

April 8, 2004

Page 2

## GENERAL PARAMETERS

### pH

The surficial aquifer background and detection monitoring wells continue to indicate pH values below the SDWS acceptable range of 6.5 to 8.5 pH units. The pH values range from 4.48 to 6.27 pH units, and the background water quality well exhibits a value of 5.76 pH units. Surface water sites 3A and 3B2B in Long Flat Creek, and 1-D in Smith Lake exhibit pH values of 5.5, 6.37, and 6.16, respectively. The surface water discharge monitoring point 3C2 exhibited a value of 6.68 pH units. No unusual conditions or changes in pH values within any of the groundwater monitoring wells or surface water sites were observed during this sampling event.

### Total Dissolved Solids

Total dissolved solids were observed above the secondary drinking water standard (SDWS) of 500 milligrams per liter (mg/l) in the surficial aquifer detection wells, TH-60 and TH-67 at concentrations of 570 mg/l and 630 mg/l, respectively. All the other groundwater monitoring wells were observed below the SDWS for total dissolved solids during this sampling event.

### Radium 226

The Weeks' private supply well indicated concentrations of radium 226 at 6 picocuries per liter (pCi/l), which is above the Primary Drinking Water Standard (PDWS) of 5 pCi/l. This supply well has periodically been observed to exhibit radium 226 slightly above the MCL. No unusual conditions or changes in radium 226 values were observed during this sampling event.

## METALS

### Iron

Iron concentrations in twelve of the fourteen surficial aquifer monitoring wells were below the applicable SDWS of 0.300 mg/l. The highest concentration for iron was 7.3 mg/l in detection well TH-65. The SCLF private supply wells owned by Weeks and Holland exhibited levels of iron above the SDWS with concentrations of 0.570 mg/l and 1.6 mg/l, respectively. No unusual conditions or changes in iron concentrations within any of the groundwater monitoring wells or surface water samples at the site were observed during this event.

### Nickel

Nickel was observed in TH-60 at the SDWS of 0.1 mg/l. The concentration of nickel in this well is lower for this sampling event than the previous sampling conducted on November 10, 2003. This could possibly be due to the lower turbidity value. The turbidity value observed during this event was 5.4 nephelometric turbidity units (NTU) as compared to 30 NTU in November. The

Mr. John Morris, P.G.  
April 8, 2004  
Page 3

possible correlation between the Nickel concentrations and turbidity values in this well will continue to be evaluated in the next sampling event scheduled for August 2004.

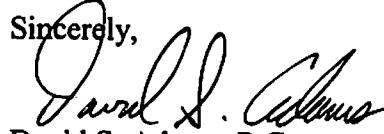
### Turbidity

In accordance with the April 3, 2003 Approval of Corrective Action Plan letter from the Florida Department of Environmental Protection (FDEP), the SWMD has included the recorded turbidity data for the period from September 2003 to February 2004. A summary table of the turbidity data obtained from the surface water sampling points 3A, 3B2B and 3C2 located in Long Flat Creek is provided within this ADR. All of the turbidity measurements have been within the compliance level of 29 nephelometric turbidity units (NTU) above the background level. It continues to be apparent that the implementation of the stormwater improvement plan has been effective in reducing the turbidity entering Long Flat Creek. Future reporting of turbidity readings recorded at the SCLF shall continue to be submitted within each semi-annual ADR.

Enclosed for your review is a detailed site location map, the analytical data summary tables, a groundwater elevation data summary table, a surficial aquifer groundwater elevation contour diagram, a data summary table of turbidity monitoring, copies of the letters sent to the owners of the private wells, a data summary table for the private wells, and the complete laboratory analytical data report sheets.

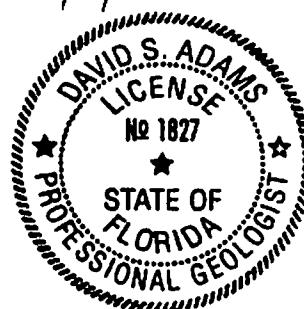
Should you have any questions or require any additional information, please feel free to contact me at (813) 276-2944 or via e-mail at [adamsds@hillsboroughcounty.org](mailto:adamsds@hillsboroughcounty.org).

Sincerely,



David S. Adams, P.G.  
Environmental Manager  
Solid Waste Management

4/8/04



DSA/mdt  
Enclosures

xc: Daryl Smith, Director, SWMD, w/o enclosures  
Patricia Berry, Section Manager, SWMD, w/o enclosures  
Matt Matthews, Landfill Manager, SWMD  
Ernest Ely, Landfill Manager, WM, Southeast Landfill  
Carolyn McCreedy, Engineer, WM, Southeast Landfill  
Larry Ruiz, Project Manager, SCS Engineers  
Chongman Lee, Department of Environmental Protection  
Paul Schipfer, Environmental Protection Commission  
Irene Barnes, Southeast Hillsborough Civic Association

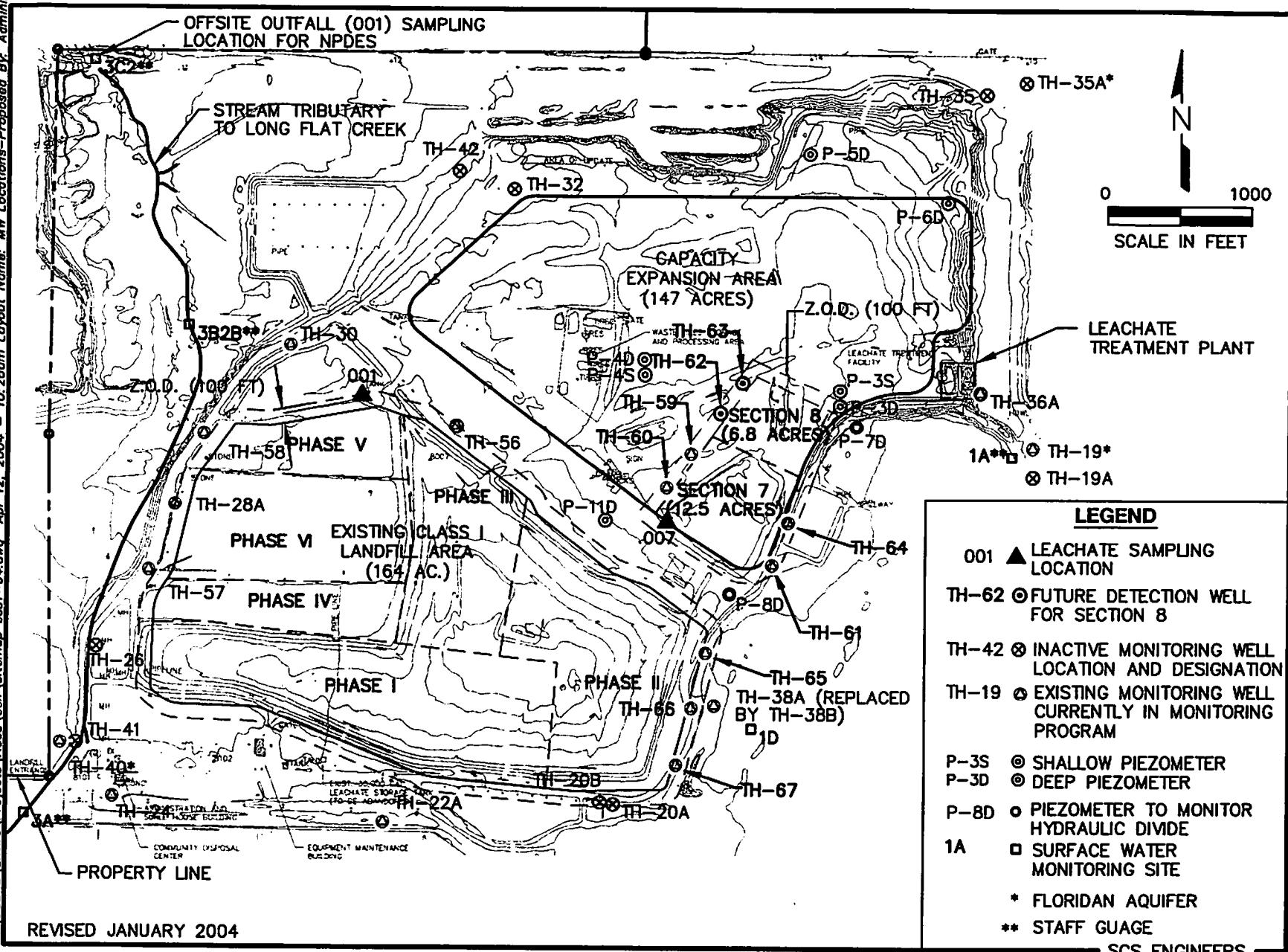


Figure M-1. Location of Monitoring Wells, Piezometers, and Surface Water Sampling Points  
Southeast County Facility, Hillsborough County, Florida

**Southeast Landfill Well Monitoring Program**



**PARAMETER MONITORING REPORT**

Ground Water (Rule 62-520.400,.420, .460)

Surface Water (Rule 62-302.500, .510, .503)

Leachate (Rule 62-701.510)

LAB Submission Number: F04020323

Sample Number: F04020323-003

Facility WACS:	35435-006-SO	Sample Date/Time:	2/10/2004 12:30:00 PM
Well/Sampling Point WACS:	834	Report Period:	1st Semiannual 2004
Well/Sampling Point Name:	Smith Lake ID	Well Purged:	YES
Classification of Groundwater:	G-II	Well Type:	Surface
Ground Water Elevation: (NGVD):			

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date	Analysis Result	Q	Units	Detection Limits
<b>FIELD</b>									
	Conductivity	Grab	N	FLD	2/10/2004	201		umhos/c	
	Dissolved Oxygen	Grab	N	FLD	2/10/2004	1.98		mg/L	
	pH	Grab	N	FLD	2/10/2004	6.16		S.U.	
	Temperature	Grab	N	FLD	2/10/2004	16.27		deg C	
	Turbidity	Grab	N	FLD	2/10/2004	8.1		NTU	
<b>INORGANICS</b>									
00095	Conductance, Specific	Grab	N	E120.1	2/12/2004	189		μmhos/c	1.00
70300	Solids, Total Dissolved	Grab	N	E160.1	2/11/2004	130		mg/L	1.2
00530	Solids, Suspended (Residue, Non-	Grab	N	E160.2	2/16/2004	340		mg/L	0.77
00620	Nitrogen, Nitrate	Grab	N	E300.0	2/11/2004	0.012	U	mg/L	0.012
00625	Nitrogen, Kjeldahl, Total	Grab	N	E351.2	2/19/2004	5.9		mg/L	0.056
00630	Nitrogen, Nitrate-Nitrite	Grab	N	E353.2	2/12/2004	0.022	I	mg/L	0.0060
00665	Phosphorus, Total (as P)	Grab	N	E365.4	2/19/2004	5.1	V	mg/L	0.010
00310	Biochemical Oxygen Demand	Grab	N	E405.1	2/11/2004	>17.22		mg/L	6.0
00340	Chemical Oxygen Demand	Grab	N	E410.4	2/12/2004	120		mg/L	3.4
00680	Organic Carbon, Total	Grab	N	E415.1	2/17/2004	29		mg/L	0.84
00612	Nitrogen, Ammonia (Unionized)	Grab	N	FL-DEP	2/13/2004	0.0040	U	mg/L	0.0040
32211	Chlorophyll a	Grab	N	SM1020	2/24/2004	120		mg/m³	1.0
00600	Nitrogen, Total	Grab	N	SM4500-	2/23/2004	5.9		mg/L	0.50
<b>METALS</b>									
01012	Beryllium	Grab	N	E210.2	2/16/2004	0.22		μg/L	0.017
01027	Cadmium	Grab	N	E213.2	2/16/2004	0.36		μg/L	0.068
01042	Copper	Grab	N	E220.2	2/18/2004	9.4		μg/L	0.31
01051	Lead	Grab	N	E239.2	2/13/2004	2.6		μg/L	0.50
71900	Mercury	Grab	N	E245.1	2/17/2004	0.036	U	μg/L	0.036
01077	Silver	Grab	N	E272.2	2/17/2004	0.017	U	μg/L	0.017
01097	Antimony	Grab	N	SW6010	2/16/2004	2.8	U	μg/L	2.8
01002	Arsenic	Grab	N	SW6010	2/16/2004	2.5	I	μg/L	2.0
01007	Barium	Grab	N	SW6010	2/16/2004	36		μg/L	0.074
01034	Chromium	Grab	N	SW6010	2/16/2004	5.9		μg/L	0.60

Data Qualifier \* Value exceeds Maximum Contaminant Level  
 Code Key: U Not Detected Above the MDL

I Analyte detected below quantitation limits  
 V Analyte detected in the associated Method Blank



**Southeast Landfill Well Monitoring Program**

**PARAMETER MONITORING REPORT**

Ground Water (Rule 62-520.400, .420, .460)

Surface Water (Rule 62-302.500, .510, .503)

Leachate (Rule 62-701.510)

LAB Submission Number: F04020323

Sample Number: F04020323-003

Facility WACS:	35435-006-SO	Sample Date/Time:	2/10/2004 12:30:00 PM
Well/Sampling Point WACS:	834	Report Period:	1st Semiannual 2004
Well/Sampling Point Name:	Smith Lake 1D	Well Purged:	YES
Classification of Groundwater:	G-II	Well Type:	Surface
<b>Ground Water Elevation: (NGVD):</b>			

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date	Analysis Result	Q	Units	Detection Limits
01037	Cobalt	Grab	N	SW6010	2/16/2004	1.7	I	µg/L	1.5
01045	Iron	Grab	N	SW6010	2/16/2004	710	*	µg/L	13
01067	Nickel	Grab	N	SW6010	2/16/2004	2.1	I	µg/L	2.0
01147	Selenium	Grab	N	SW6010	2/16/2004	4.0	U	µg/L	4.0
01059	Thallium	Grab	N	SW6010	2/16/2004	4.4	U	µg/L	4.4
01087	Vanadium	Grab	N	SW6010	2/16/2004	8.5	I	µg/L	0.40
01092	Zinc	Grab	N	SW6010	2/16/2004	48		µg/L	2.3
00900	Hardness, Total (as CaCO <sub>3</sub> )	Grab	N	SW6010	2/16/2004	93000	V	µg/L	35

**MICRO**

31612	Fecal Coliform (MF)	Grab	N	SM9222	2/9/2004	1000	U	cfu/100m	1000
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**ORGANICS**

49146	1,2-Dibromo-3-chloropropane	Grab	N	SW8011	2/14/2004	0.0041	U	µg/L	0.0041
77651	Ethylene Dibromide	Grab	N	SW8011	2/14/2004	0.0038	U	µg/L	0.0038
81552	Acetone	Grab	N	SW8260	2/12/2004	0.91	U	µg/L	0.91
34215	Acrylonitrile	Grab	N	SW8260	2/12/2004	0.93	U	µg/L	0.93
34030	Benzene	Grab	N	SW8260	2/12/2004	0.31	U	µg/L	0.31
73085	Bromochloromethane	Grab	N	SW8260	2/12/2004	0.22	U	µg/L	0.22
32101	Bromodichloromethane	Grab	N	SW8260	2/12/2004	0.10	U	µg/L	0.10
32104	Bromoform	Grab	N	SW8260	2/12/2004	0.11	U	µg/L	0.11
34413	Bromomethane	Grab	N	SW8260	2/12/2004	0.12	U	µg/L	0.12
81595	2-Butanone	Grab	N	SW8260	2/12/2004	0.29	U	µg/L	0.29
77041	Carbon disulfide	Grab	N	SW8260	2/12/2004	0.25	U	µg/L	0.25
32102	Carbon tetrachloride	Grab	N	SW8260	2/12/2004	0.25	U	µg/L	0.25
34301	Chlorobenzene	Grab	N	SW8260	2/12/2004	0.10	U	µg/L	0.10
34311	Chloroethane	Grab	N	SW8260	2/12/2004	0.16	U	µg/L	0.16
32106	Chloroform	Grab	N	SW8260	2/12/2004	0.28	U	µg/L	0.28
34418	Chloromethane	Grab	N	SW8260	2/12/2004	0.31	U	µg/L	0.31
32105	Dibromochloromethane	Grab	N	SW8260	2/12/2004	0.16	U	µg/L	0.16
77596	Dibromomethane	Grab	N	SW8260	2/12/2004	0.13	U	µg/L	0.13
34536	1,2-Dichlorobenzene	Grab	N	SW8260	2/12/2004	0.18	U	µg/L	0.18
34571	1,4-Dichlorobenzene	Grab	N	SW8260	2/12/2004	0.10	U	µg/L	0.10
77268	trans-1,4-Dichloro-2-butene	Grab	N	SW8260	2/12/2004	0.14	U	µg/L	0.14

Data \* Value exceeds Maximum Contaminant Level  
 Qualifier U Not Detected Above the MDL  
 Code Key:

I Analyte detected below quantitation limits  
 V Analyte detected in the associated Method Blank

**Southeast Landfill Well Monitoring Program****PARAMETER MONITORING REPORT**

Ground Water (Rule 62-520.400, .420, .460)

Surface Water (Rule 62-302.500, .510, .503)

Leachate (Rule 62-701.510)

LAB Submission Number: F04020323

Sample Number: F04020323-003

<b>Facility WACS:</b>	35435-006-SO	<b>Sample Date/Time:</b>	2/10/2004 12:30:00 PM
<b>Well/Sampling Point WACS:</b>	834	<b>Report Period:</b>	1st Semiannual 2004
<b>Well/Sampling Point Name:</b>	Smith Lake 1D	<b>Well Purged:</b>	YES
<b>Classification of Groundwater:</b>	G-II	<b>Well Type:</b>	Surface
<b>Ground Water Elevation: (NGVD):</b>			

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date	Analysis Result	Q	Units	Detection Limits
34496	1,1-Dichloroethane	Grab	N	SW8260	2/12/2004	0.30	U	µg/L	0.30
34531	1,2-Dichloroethane	Grab	N	SW8260	2/12/2004	0.10	U	µg/L	0.10
34501	1,1-Dichloroethene	Grab	N	SW8260	2/12/2004	0.10	U	µg/L	0.10
77093	cis-1,2-Dichloroethene	Grab	N	SW8260	2/12/2004	0.15	U	µg/L	0.15
34546	trans-1,2-Dichloroethene	Grab	N	SW8260	2/12/2004	0.17	U	µg/L	0.17
34541	1,2-Dichloropropane	Grab	N	SW8260	2/12/2004	0.12	U	µg/L	0.12
34704	cis-1,3-Dichloropropene	Grab	N	SW8260	2/12/2004	0.070	U	µg/L	0.070
34699	trans-1,3-Dichloropropene	Grab	N	SW8260	2/12/2004	0.11	U	µg/L	0.11
34371	Ethylbenzene	Grab	N	SW8260	2/12/2004	0.12	U	µg/L	0.12
77103	2-Hexanone	Grab	N	SW8260	2/12/2004	0.26	U	µg/L	0.26
77424	Iodomethane	Grab	N	SW8260	2/12/2004	0.38	U	µg/L	0.38
81596	4-Methyl-2-pentanone	Grab	N	SW8260	2/12/2004	0.21	U	µg/L	0.21
34423	Methylene chloride	Grab	N	SW8260	2/12/2004	0.26	U	µg/L	0.26
77128	Styrene	Grab	N	SW8260	2/12/2004	0.17	U	µg/L	0.17
77562	1,1,1,2-Tetrachloroethane	Grab	N	SW8260	2/12/2004	0.15	U	µg/L	0.15
34516	1,1,2,2-Tetrachloroethane	Grab	N	SW8260	2/12/2004	0.11	U	µg/L	0.11
34475	Tetrachloroethene	Grab	N	SW8260	2/12/2004	0.11	U	µg/L	0.11
34010	Toluene	Grab	N	SW8260	2/12/2004	0.10	U	µg/L	0.10
34506	1,1,1-Trichloroethane	Grab	N	SW8260	2/12/2004	0.24	U	µg/L	0.24
34511	1,1,2-Trichloroethane	Grab	N	SW8260	2/12/2004	0.13	U	µg/L	0.13
39180	Trichloroethene	Grab	N	SW8260	2/12/2004	0.15	U	µg/L	0.15
34488	Trichlorofluoromethane	Grab	N	SW8260	2/12/2004	0.32	U	µg/L	0.32
77443	1,2,3-Trichloropropane	Grab	N	SW8260	2/12/2004	0.30	U	µg/L	0.30
77057	Vinyl acetate	Grab	N	SW8260	2/12/2004	0.15	U	µg/L	0.15
39175	Vinyl chloride	Grab	N	SW8260	2/12/2004	0.14	U	µg/L	0.14
34020	Xylenes, Total	Grab	N	SW8260	2/12/2004	0.29	U	µg/L	0.29

Data Qualifier Code Key:  
\* Value exceeds Maximum Contaminant Level  
U Not Detected Above the MDL

I Analyte detected below quantitation limits  
V Analyte detected in the associated Method Blank

**Southeast Landfill Well Monitoring Program****PARAMETER MONITORING REPORT**

Ground Water (Rule 62-520.400,.420, .460)

Surface Water (Rule 62-302.500, .510, .503)

Leachate (Rule 62-701.510)

LAB Submission Number: F04020323

Sample Number: F04020323-004



<b>Facility WACS:</b>	35435-006-SO	<b>Sample Date/Time:</b>	2/10/2004 10:30:00 AM
<b>Well/Sampling Point WACS:</b>	836	<b>Report Period:</b>	1st Semiannual 2004
<b>Well/Sampling Point Name:</b>	Surf Site 3A	<b>Well Purged:</b>	YES
<b>Classification of Groundwater:</b>	G-II	<b>Well Type:</b>	Surface
<b>Ground Water Elevation: (NGVD):</b>			

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date	Analysis Result	Q	Units	Detection Limits
<b>FIELD</b>									
	Conductivity	Grab	N	FLD	2/10/2004	360		umhos/c	
	Dissolved Oxygen	Grab	N	FLD	2/10/2004	4.15		mg/L	
	pH	Grab	N	FLD	2/10/2004	5.50		S.U.	
	Temperature	Grab	N	FLD	2/10/2004	17.15		deg C	
	Turbidity	Grab	N	FLD	2/10/2004	5.8		NTU	
<b>INORGANICS</b>									
00095	Conductance, Specific	Grab	N	E120.1	2/12/2004	320		μmhos/c	1.00
70300	Solids, Total Dissolved	Grab	N	E160.1	2/11/2004	200		mg/L	1.2
00530	Solids, Suspended (Residue, Non-	Grab	N	E160.2	2/16/2004	4.0	I	mg/L	0.77
00620	Nitrogen, Nitrate	Grab	N	E300.0	2/12/2004	0.54		mg/L	0.012
00625	Nitrogen, Kjeldahl, Total	Grab	N	E351.2	2/19/2004	0.44	I	mg/L	0.056
00630	Nitrogen, Nitrate-Nitrite	Grab	N	E353.2	2/12/2004	0.55		mg/L	0.0060
00665	Phosphorus, Total (as P)	Grab	N	E365.4	2/19/2004	0.030	IV	mg/L	0.010
00310	Biochemical Oxygen Demand	Grab	N	E405.1	2/11/2004	2.0	U	mg/L	2.0
00340	Chemical Oxygen Demand	Grab	N	E410.4	2/12/2004	15	I	mg/L	3.4
00680	Organic Carbon, Total	Grab	N	E415.1	2/17/2004	5.7		mg/L	0.42
00612	Nitrogen, Ammonia (Unionized)	Grab	N	FL-DEP	2/13/2004	0.0040	U	mg/L	0.0040
32211	Chlorophyll a	Grab	N	SM1020	2/24/2004	2.6		mg/m³	1.0
00600	Nitrogen, Total	Grab	N	SM4500-	2/23/2004	0.99		mg/L	0.50
<b>METALS</b>									
01012	Beryllium	Grab	N	E210.2	2/16/2004	0.040	I	μg/L	0.017
01027	Cadmium	Grab	N	E213.2	2/16/2004	0.068	U	μg/L	0.068
01042	Copper	Grab	N	E220.2	2/18/2004	0.31	U	μg/L	0.31
01051	Lead	Grab	N	E239.2	2/13/2004	0.50	U	μg/L	0.50
71900	Mercury	Grab	N	E245.1	2/17/2004	0.036	U	μg/L	0.036
01077	Silver	Grab	N	E272.2	2/17/2004	0.017	U	μg/L	0.017
01097	Antimony	Grab	N	SW6010	2/16/2004	2.8	U	μg/L	2.8
01002	Arsenic	Grab	N	SW6010	2/16/2004	2.0	U	μg/L	2.0
01007	Barium	Grab	N	SW6010	2/16/2004	33		μg/L	0.074
01034	Chromium	Grab	N	SW6010	2/16/2004	0.90	I	μg/L	0.60

Data Qualifier \* Value exceeds Maximum Contaminant Level  
 Qualifier U Not Detected Above the MDL  
 Code Key:

I Analyte detected below quantitation limits  
 V Analyte detected in the associated Method Blank

**Southeast Landfill Well Monitoring Program****PARAMETER MONITORING REPORT**

Ground Water (Rule 62-520.400, .420, .460)

Surface Water (Rule 62-302.500, .510, .503)

Leachate (Rule 62-701.510)

LAB Submission Number: F04020323

Sample Number: F04020323-004

<b>Facility WACS:</b>	35435-006-SO	<b>Sample Date/Time:</b>	2/10/2004 10:30:00 AM
<b>Well/Sampling Point WACS:</b>	836	<b>Report Period:</b>	1st Semianual 2004
<b>Well/Sampling Point Name:</b>	Surf Site 3A	<b>Well Purged:</b>	YES
<b>Classification of Groundwater:</b>	G-II	<b>Well Type:</b>	Surface
<b>Ground Water Elevation: (NGVD):</b>			

Storet Code	Parameter Monitored	Sampling	Filtered	Analysis	Analysis	Analysis	Detection		
		Method	Y/N	Method	Date	Result	Q	Units	Limits
01037	Cobalt	Grab	N	SW6010	2/16/2004	1.5	U	µg/L	1.5
01045	Iron	Grab	N	SW6010	2/16/2004	160	U	µg/L	13
01067	Nickel	Grab	N	SW6010	2/16/2004	2.0	U	µg/L	2.0
01147	Selenium	Grab	N	SW6010	2/16/2004	4.0	U	µg/L	4.0
01059	Thallium	Grab	N	SW6010	2/16/2004	4.4	U	µg/L	4.4
01087	Vanadium	Grab	N	SW6010	2/16/2004	1.1	I	µg/L	0.40
01092	Zinc	Grab	N	SW6010	2/16/2004	16	I	µg/L	2.3
00900	Hardness, Total (as CaCO <sub>3</sub> )	Grab	N	SW6010	2/16/2004	100000	V	µg/L	35

**MICRO**

31612	Fecal Coliform (MF)	Grab	N	SM9222	2/9/2004	1000	cfu/100m	1000
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**ORGANICS**

49146	1,2-Dibromo-3-chloropropane	Grab	N	SW8011	2/14/2004	0.0041	U	µg/L	0.0041
77651	Ethylene Dibromide	Grab	N	SW8011	2/14/2004	0.0038	U	µg/L	0.0038
81552	Acetone	Grab	N	SW8260	2/12/2004	0.91	U	µg/L	0.91
34215	Acrylonitrile	Grab	N	SW8260	2/12/2004	0.93	U	µg/L	0.93
34030	Benzene	Grab	N	SW8260	2/12/2004	0.31	U	µg/L	0.31
73085	Bromochloromethane	Grab	N	SW8260	2/12/2004	0.22	U	µg/L	0.22
32101	Bromodichloromethane	Grab	N	SW8260	2/12/2004	0.10	U	µg/L	0.10
32104	Bromoform	Grab	N	SW8260	2/12/2004	0.11	U	µg/L	0.11
34413	Bromomethane	Grab	N	SW8260	2/12/2004	0.12	U	µg/L	0.12
81595	2-Butanone	Grab	N	SW8260	2/12/2004	0.29	U	µg/L	0.29
77041	Carbon disulfide	Grab	N	SW8260	2/12/2004	0.25	U	µg/L	0.25
32102	Carbon tetrachloride	Grab	N	SW8260	2/12/2004	0.25	U	µg/L	0.25
34301	Chlorobenzene	Grab	N	SW8260	2/12/2004	0.10	U	µg/L	0.10
34311	Chloroethane	Grab	N	SW8260	2/12/2004	0.16	U	µg/L	0.16
32106	Chloroform	Grab	N	SW8260	2/12/2004	0.28	U	µg/L	0.28
34418	Chloromethane	Grab	N	SW8260	2/12/2004	0.31	U	µg/L	0.31
32105	Dibromochloromethane	Grab	N	SW8260	2/12/2004	0.16	U	µg/L	0.16
77596	Dibromomethane	Grab	N	SW8260	2/12/2004	0.13	U	µg/L	0.13
34536	1,2-Dichlorobenzene	Grab	N	SW8260	2/12/2004	0.18	U	µg/L	0.18
34571	1,4-Dichlorobenzene	Grab	N	SW8260	2/12/2004	0.10	U	µg/L	0.10
77268	trans-1,4-Dichloro-2-butene	Grab	N	SW8260	2/12/2004	0.14	U	µg/L	0.14

Data Qualifier Code Key:  
 \* Value exceeds Maximum Contaminant Level  
 U Not Detected Above the MDL

I Analyte detected below quantitation limits  
 V Analyte detected in the associated Method Blank

**Southeast Landfill Well Monitoring Program****PARAMETER MONITORING REPORT**

Ground Water (Rule 62-520.400, .420, .460)

Surface Water (Rule 62-302.500, .510, .503)

Leachate (Rule 62-701.510)

LAB Submission Number: F04020323

Sample Number: F04020323-004



Facility WACS:	35435-006-SO	Sample Date/Time:	2/10/2004 10:30:00 AM
Well/Sampling Point WACS:	836	Report Period:	1st Semiannual 2004
Well/Sampling Point Name:	Surf Site 3A	Well Purged:	YES
Classification of Groundwater:	G-II	Well Type:	Surface
Ground Water Elevation: (NGVD):			

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date	Analysis Result	Q	Units	Detection Limits
34496	1,1-Dichloroethane	Grab	N	SW8260	2/12/2004	0.30	U	µg/L	0.30
34531	1,2-Dichloroethane	Grab	N	SW8260	2/12/2004	0.10	U	µg/L	0.10
34501	1,1-Dichloroethene	Grab	N	SW8260	2/12/2004	0.10	U	µg/L	0.10
77093	cis-1,2-Dichloroethene	Grab	N	SW8260	2/12/2004	0.15	U	µg/L	0.15
34546	trans-1,2-Dichloroethene	Grab	N	SW8260	2/12/2004	0.17	U	µg/L	0.17
34541	1,2-Dichloropropane	Grab	N	SW8260	2/12/2004	0.12	U	µg/L	0.12
34704	cis-1,3-Dichloropropene	Grab	N	SW8260	2/12/2004	0.070	U	µg/L	0.070
34699	trans-1,3-Dichloropropene	Grab	N	SW8260	2/12/2004	0.11	U	µg/L	0.11
34371	Ethylbenzene	Grab	N	SW8260	2/12/2004	0.12	U	µg/L	0.12
77103	2-Hexanone	Grab	N	SW8260	2/12/2004	0.26	U	µg/L	0.26
77424	Iodomethane	Grab	N	SW8260	2/12/2004	0.38	U	µg/L	0.38
81596	4-Methyl-2-pentanone	Grab	N	SW8260	2/12/2004	0.21	U	µg/L	0.21
34423	Methylene chloride	Grab	N	SW8260	2/12/2004	0.26	U	µg/L	0.26
77128	Styrene	Grab	N	SW8260	2/12/2004	0.17	U	µg/L	0.17
77562	1,1,1,2-Tetrachloroethane	Grab	N	SW8260	2/12/2004	0.15	U	µg/L	0.15
34516	1,1,2,2-Tetrachloroethane	Grab	N	SW8260	2/12/2004	0.11	U	µg/L	0.11
34475	Tetrachloroethene	Grab	N	SW8260	2/12/2004	0.11	U	µg/L	0.11
34010	Toluene	Grab	N	SW8260	2/12/2004	0.10	U	µg/L	0.10
34506	1,1,1-Trichloroethane	Grab	N	SW8260	2/12/2004	0.24	U	µg/L	0.24
34511	1,1,2-Trichloroethane	Grab	N	SW8260	2/12/2004	0.13	U	µg/L	0.13
39180	Trichloroethene	Grab	N	SW8260	2/12/2004	0.15	U	µg/L	0.15
34488	Trichlorofluoromethane	Grab	N	SW8260	2/12/2004	0.32	U	µg/L	0.32
77443	1,2,3-Trichloropropane	Grab	N	SW8260	2/12/2004	0.30	U	µg/L	0.30
77057	Vinyl acetate	Grab	N	SW8260	2/12/2004	0.15	U	µg/L	0.15
39175	Vinyl chloride	Grab	N	SW8260	2/12/2004	0.14	U	µg/L	0.14
34020	Xylenes, Total	Grab	N	SW8260	2/12/2004	0.29	U	µg/L	0.29

Data Qualifier Code Key:  
\* Value exceeds Maximum Contaminant Level  
U Not Detected Above the MDL

I Analyte detected below quantitation limits  
V Analyte detected in the associated Method Blank

**Southeast Landfill Well Monitoring Program****PARAMETER MONITORING REPORT**

Ground Water (Rule 62-520.400, .420, .460)

Surface Water (Rule 62-302.500, .510, .503)

Leachate (Rule 62-701.510)

LAB Submission Number: F04020323

Sample Number: F04020323-005

<b>Facility WACS:</b>	35435-006-SO	<b>Sample Date/Time:</b>	2/10/2004 2:25:00 PM
<b>Well/Sampling Point WACS:</b>	837	<b>Report Period:</b>	1st Semiannual 2004
<b>Well/Sampling Point Name:</b>	Surf Site 3B2B	<b>Well Purged:</b>	YES
<b>Classification of Groundwater:</b>	G-II	<b>Well Type:</b>	Surface
<b>Ground Water Elevation: (NGVD):</b>			

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date	Analysis Result	Q	Units	Detection Limits
<b>FIELD</b>									
	Conductivity	Grab	N	FLD	2/10/2004	252		umhos/c	
	Dissolved Oxygen	Grab	N	FLD	2/10/2004	6.47		mg/L	
	pH	Grab	N	FLD	2/10/2004	6.37		S.U.	
	Temperature	Grab	N	FLD	2/10/2004	19.26		deg C	
	Turbidity	Grab	N	FLD	2/10/2004	2.2		NTU	
<b>INORGANICS</b>									
00095	Conductance, Specific	Grab	N	E120.1	2/12/2004	291		μmhos/c	1.00
70300	Solids, Total Dissolved	Grab	N	E160.1	2/11/2004	190		mg/L	1.2
00530	Solids, Suspended (Residue, Non-	Grab	N	E160.2	2/16/2004	1.5	I	mg/L	0.77
00620	Nitrogen, Nitrate	Grab	N	E300.0	2/12/2004	0.25		mg/L	0.012
00625	Nitrogen, Kjeldahl, Total	Grab	N	E351.2	2/19/2004	0.42	I	mg/L	0.056
00630	Nitrogen, Nitrate-Nitrite	Grab	N	E353.2	2/12/2004	0.26		mg/L	0.0060
00665	Phosphorus, Total (as P)	Grab	N	E365.4	2/19/2004	0.19	V	mg/L	0.010
00310	Biochemical Oxygen Demand	Grab	N	E405.1	2/11/2004	2.0	U	mg/L	2.0
00340	Chemical Oxygen Demand	Grab	N	E410.4	2/12/2004	20	I	mg/L	3.4
00680	Organic Carbon, Total	Grab	N	E415.1	2/17/2004	7.9		mg/L	0.42
00612	Nitrogen, Ammonia (Unionized)	Grab	N	FL-DEP	2/13/2004	0.0040	U	mg/L	0.0040
32211	Chlorophyll a	Grab	N	SM1020	2/24/2004	1.0	U	mg/m³	1.0
00600	Nitrogen, Total	Grab	N	SM4500-	2/23/2004	0.68		mg/L	0.50
<b>METALS</b>									
01012	Beryllium	Grab	N	E210.2	2/16/2004	0.017	U	μg/L	0.017
01027	Cadmium	Grab	N	E213.2	2/16/2004	0.068	U	μg/L	0.068
01042	Copper	Grab	N	E220.2	2/18/2004	2.1		μg/L	0.31
01051	Lead	Grab	N	E239.2	2/13/2004	0.50	U	μg/L	0.50
71900	Mercury	Grab	N	E245.1	2/17/2004	0.036	U	μg/L	0.036
01077	Silver	Grab	N	E272.2	2/17/2004	0.017	U	μg/L	0.017
01097	Antimony	Grab	N	SW6010	2/16/2004	2.8	U	μg/L	2.8
01002	Arsenic	Grab	N	SW6010	2/16/2004	2.0	U	μg/L	2.0
01007	Barium	Grab	N	SW6010	2/16/2004	20		μg/L	0.074
01034	Chromium	Grab	N	SW6010	2/16/2004	1.5	I	μg/L	0.60

Data Qualifier \* Value exceeds Maximum Contaminant Level  
 Code Key: U Not Detected Above the MDL

I Analyte detected below quantitation limits  
 V Analyte detected in the associated Method Blank

**Southeast Landfill Well Monitoring Program****PARAMETER MONITORING REPORT**

Ground Water (Rule 62-520.400,.420, .460)

Surface Water (Rule 62-302.500, .510, .503)

Leachate (Rule 62-701.510)

LAB Submission Number: F04020323

Sample Number: F04020323-005

<b>Facility WACS:</b>	35435-006-SO	<b>Sample Date/Time:</b>	2/10/2004 2:25:00 PM
<b>Well/Sampling Point WACS:</b>	837	<b>Report Period:</b>	1st Semiannual 2004
<b>Well/Sampling Point Name:</b>	Surf Site 3B2B	<b>Well Purged:</b>	YES
<b>Classification of Groundwater:</b>	G-II	<b>Well Type:</b>	Surface
<b>Ground Water Elevation: (NGVD):</b>			

Storet Code	Parameter Monitored	Sampling	Filtered	Analysis	Analysis	Analysis	Detection		
		Method	Y/N	Method	Date	Result	Q	Units	Limits
01037	Cobalt	Grab	N	SW6010	2/16/2004	1.5	I	µg/L	1.5
01045	Iron	Grab	N	SW6010	2/16/2004	150		µg/L	13
01067	Nickel	Grab	N	SW6010	2/16/2004	2.0	U	µg/L	2.0
01147	Selenium	Grab	N	SW6010	2/16/2004	4.0	U	µg/L	4.0
01059	Thallium	Grab	N	SW6010	2/16/2004	4.4	U	µg/L	4.4
01087	Vanadium	Grab	N	SW6010	2/16/2004	1.5	I	µg/L	0.40
01092	Zinc	Grab	N	SW6010	2/16/2004	18	I	µg/L	2.3
00900	Hardness, Total (as CaCO <sub>3</sub> )	Grab	N	SW6010	2/16/2004	93000	V	µg/L	35

**MICRO**

31612	Fecal Coliform (MF)	Grab	N	SM9222	2/9/2004	1000	cfu/100m	1000
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**ORGANICS**

49146	1,2-Dibromo-3-chloropropane	Grab	N	SW8011	2/17/2004	0.0041	U	µg/L	0.0041
77651	Ethylene Dibromide	Grab	N	SW8011	2/17/2004	0.0038	U	µg/L	0.0038
81552	Acetone	Grab	N	SW8260	2/12/2004	0.91	U	µg/L	0.91
34215	Acrylonitrile	Grab	N	SW8260	2/12/2004	0.93	U	µg/L	0.93
34030	Benzene	Grab	N	SW8260	2/12/2004	0.31	U	µg/L	0.31
73085	Bromochloromethane	Grab	N	SW8260	2/12/2004	0.22	U	µg/L	0.22
32101	Bromodichloromethane	Grab	N	SW8260	2/12/2004	0.10	U	µg/L	0.10
32104	Bromoform	Grab	N	SW8260	2/12/2004	0.11	U	µg/L	0.11
34413	Bromomethane	Grab	N	SW8260	2/12/2004	0.12	U	µg/L	0.12
81595	2-Butanone	Grab	N	SW8260	2/12/2004	0.29	U	µg/L	0.29
77041	Carbon disulfide	Grab	N	SW8260	2/12/2004	0.25	U	µg/L	0.25
32102	Carbon tetrachloride	Grab	N	SW8260	2/12/2004	0.25	U	µg/L	0.25
34301	Chlorobenzene	Grab	N	SW8260	2/12/2004	0.10	U	µg/L	0.10
34311	Chloroethane	Grab	N	SW8260	2/12/2004	0.16	U	µg/L	0.16
32106	Chloroform	Grab	N	SW8260	2/12/2004	0.28	U	µg/L	0.28
34418	Chloromethane	Grab	N	SW8260	2/12/2004	0.31	U	µg/L	0.31
32105	Dibromochloromethane	Grab	N	SW8260	2/12/2004	0.16	U	µg/L	0.16
77596	Dibromomethane	Grab	N	SW8260	2/12/2004	0.13	U	µg/L	0.13
34536	1,2-Dichlorobenzene	Grab	N	SW8260	2/12/2004	0.18	U	µg/L	0.18
34571	1,4-Dichlorobenzene	Grab	N	SW8260	2/12/2004	0.10	U	µg/L	0.10
77268	trans-1,4-Dichloro-2-butene	Grab	N	SW8260	2/12/2004	0.14	U	µg/L	0.14

Data \* Value exceeds Maximum Contaminant Level  
 Qualifier U Not Detected Above the MDL  
 Code Key:

I Analyte detected below quantitation limits  
 V Analyte detected in the associated Method Blank

**Southeast Landfill Well Monitoring Program****PARAMETER MONITORING REPORT**

Ground Water (Rule 62-520.400, .420, .460)

Surface Water (Rule 62-302.500, .510, .503)

Leachate (Rule 62-701.510)

LAB Submission Number: F04020323

Sample Number: F04020323-005



Facility WACS:	35435-006-SO	Sample Date/Time:	2/10/2004 2:25:00 PM
Well/Sampling Point WACS:	837	Report Period:	1st Semiannual 2004
Well/Sampling Point Name:	Surf Site 3B2B	Well Purged:	YES
Classification of Groundwater:	G-II	Well Type:	Surface
<b>Ground Water Elevation: (NGVD):</b>			

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date	Analysis Result	Q	Units	Detection Limits
34496	1,1-Dichloroethane	Grab	N	SW8260	2/12/2004	0.30	U	µg/L	0.30
34531	1,2-Dichloroethane	Grab	N	SW8260	2/12/2004	0.10	U	µg/L	0.10
34501	1,1-Dichloroethene	Grab	N	SW8260	2/12/2004	0.10	U	µg/L	0.10
77093	cis-1,2-Dichloroethene	Grab	N	SW8260	2/12/2004	0.15	U	µg/L	0.15
34546	trans-1,2-Dichloroethene	Grab	N	SW8260	2/12/2004	0.17	U	µg/L	0.17
34541	1,2-Dichloropropane	Grab	N	SW8260	2/12/2004	0.12	U	µg/L	0.12
34704	cis-1,3-Dichloropropene	Grab	N	SW8260	2/12/2004	0.070	U	µg/L	0.070
34699	trans-1,3-Dichloropropene	Grab	N	SW8260	2/12/2004	0.11	U	µg/L	0.11
34371	Ethylbenzene	Grab	N	SW8260	2/12/2004	0.12	U	µg/L	0.12
77103	2-Hexanone	Grab	N	SW8260	2/12/2004	0.26	U	µg/L	0.26
77424	Iodomethane	Grab	N	SW8260	2/12/2004	0.38	U	µg/L	0.38
81596	4-Methyl-2-pentanone	Grab	N	SW8260	2/12/2004	0.21	U	µg/L	0.21
34423	Methylene chloride	Grab	N	SW8260	2/12/2004	0.26	U	µg/L	0.26
77128	Styrene	Grab	N	SW8260	2/12/2004	0.17	U	µg/L	0.17
77562	1,1,1,2-Tetrachloroethane	Grab	N	SW8260	2/12/2004	0.15	U	µg/L	0.15
34516	1,1,2,2-Tetrachloroethane	Grab	N	SW8260	2/12/2004	0.11	U	µg/L	0.11
34475	Tetrachloroethene	Grab	N	SW8260	2/12/2004	0.11	U	µg/L	0.11
34010	Toluene	Grab	N	SW8260	2/12/2004	0.10	U	µg/L	0.10
34506	1,1,1-Trichloroethane	Grab	N	SW8260	2/12/2004	0.24	U	µg/L	0.24
34511	1,1,2-Trichloroethane	Grab	N	SW8260	2/12/2004	0.13	U	µg/L	0.13
39180	Trichloroethene	Grab	N	SW8260	2/12/2004	0.15	U	µg/L	0.15
34488	Trichlorofluoromethane	Grab	N	SW8260	2/12/2004	0.32	U	µg/L	0.32
77443	1,2,3-Trichloropropane	Grab	N	SW8260	2/12/2004	0.30	U	µg/L	0.30
77057	Vinyl acetate	Grab	N	SW8260	2/12/2004	0.15	U	µg/L	0.15
39175	Vinyl chloride	Grab	N	SW8260	2/12/2004	0.14	U	µg/L	0.14
34020	Xylenes, Total	Grab	N	SW8260	2/12/2004	0.29	U	µg/L	0.29

Data Qualifier Code Key:  
\* Value exceeds Maximum Contaminant Level  
U Not Detected Above the MDL

I Analyte detected below quantitation limits  
V Analyte detected in the associated Method Blank

**Southeast Landfill Well Monitoring Program**



**PARAMETER MONITORING REPORT**

Ground Water (Rule 62-520.400, .420, .460)

Surface Water (Rule 62-302.500, .510, .503)

Leachate (Rule 62-701.510)

LAB Submission Number: F04020323

Sample Number: F04020323-006

Facility WACS:	35435-006-SO	Sample Date/Time:	2/10/2004 2:05:00 PM
Well/Sampling Point WACS:	838	Report Period:	1st Semiannual 2004
Well/Sampling Point Name:	Surf Site 3C2	Well Purged:	YES
Classification of Groundwater:	G-II	Well Type:	Surface
<b>Ground Water Elevation: (NGVD):</b>			

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date	Analysis Result	Q	Units	Detection Limits
<b>FIELD</b>									
	Conductivity	Grab	N	FLD	2/10/2004	299		umhos/c	
	Dissolved Oxygen	Grab	N	FLD	2/10/2004	7.12		mg/L	
	pH	Grab	N	FLD	2/10/2004	6.68		S.U.	
	Temperature	Grab	N	FLD	2/10/2004	19.36		deg C	
	Turbidity	Grab	N	FLD	2/10/2004	3.0		NTU	
<b>INORGANICS</b>									
00095	Conductance, Specific	Grab	N	E120.1	2/12/2004	265		μmhos/c	1.00
70300	Solids, Total Dissolved	Grab	N	E160.1	2/11/2004	170		mg/L	1.2
00530	Solids, Suspended (Residue, Non-	Grab	N	E160.2	2/16/2004	8.6		mg/L	0.77
00620	Nitrogen, Nitrate	Grab	N	E300.0	2/12/2004	0.15		mg/L	0.012
00625	Nitrogen, Kjeldahl, Total	Grab	N	E351.2	2/19/2004	0.48	I	mg/L	0.056
00630	Nitrogen, Nitrate-Nitrite	Grab	N	E353.2	2/12/2004	0.15		mg/L	0.0060
00665	Phosphorus, Total (as P)	Grab	N	E365.4	2/19/2004	0.59		mg/L	0.010
00310	Biochemical Oxygen Demand	Grab	N	E405.1	2/11/2004	2.0	U	mg/L	2.0
00340	Chemical Oxygen Demand	Grab	N	E410.4	2/12/2004	28		mg/L	3.4
00680	Organic Carbon, Total	Grab	N	E415.1	2/17/2004	10		mg/L	0.42
00612	Nitrogen, Ammonia (Unionized)	Grab	N	FL-DEP	2/13/2004	0.0040	U	mg/L	0.0040
32211	Chlorophyll a	Grab	N	SM1020	2/24/2004	2.6		mg/m³	1.0
00600	Nitrogen, Total	Grab	N	SM4500-	2/23/2004	0.63		mg/L	0.50
<b>METALS</b>									
01012	Beryllium	Grab	N	E210.2	2/16/2004	0.017	U	μg/L	0.017
01027	Cadmium	Grab	N	E213.2	2/16/2004	0.068	U	μg/L	0.068
01042	Copper	Grab	N	E220.2	2/18/2004	2.6		μg/L	0.31
01051	Lead	Grab	N	E239.2	2/13/2004	0.50	I	μg/L	0.50
71900	Mercury	Grab	N	E245.1	2/17/2004	0.036	U	μg/L	0.036
01077	Silver	Grab	N	E272.2	2/17/2004	0.017	U	μg/L	0.017
01097	Antimony	Grab	N	SW6010	2/16/2004	2.8	U	μg/L	2.8
01002	Arsenic	Grab	N	SW6010	2/16/2004	2.0	U	μg/L	2.0
01007	Barium	Grab	N	SW6010	2/16/2004	12		μg/L	0.074
01034	Chromium	Grab	N	SW6010	2/16/2004	1.2	I	μg/L	0.60

Data Qualifier Code Key: \* Value exceeds Maximum Contaminant Level  
 U Not Detected Above the MDL

I Analyte detected below quantitation limits  
 V Analyte detected in the associated Method Blank

**Southeast Landfill Well Monitoring Program**



**PARAMETER MONITORING REPORT**

Ground Water (Rule 62-520.400,.420, .460)

Surface Water (Rule 62-302.500, .510, .503)

Leachate (Rule 62-701.510)

LAB Submission Number: F04020323

Sample Number: F04020323-006

Facility WACS:	35435-006-SO	Sample Date/Time:	2/10/2004 2:05:00 PM
Well/Sampling Point WACS:	838	Report Period:	1st Semiannual 2004
Well/Sampling Point Name:	Surf Site 3C2	Well Purged:	YES
Classification of Groundwater:	G-II	Well Type:	Surface
<b>Ground Water Elevation: (NGVD):</b>			

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date	Analysis			Detection Limits
						Result	Q	Units	
01037	Cobalt	Grab	N	SW6010	2/16/2004	1.5	U	µg/L	1.5
01045	Iron	Grab	N	SW6010	2/16/2004	180	U	µg/L	13
01067	Nickel	Grab	N	SW6010	2/16/2004	2.0	U	µg/L	2.0
01147	Selenium	Grab	N	SW6010	2/16/2004	4.0	U	µg/L	4.0
01059	Thallium	Grab	N	SW6010	2/16/2004	4.4	U	µg/L	4.4
01087	Vanadium	Grab	N	SW6010	2/16/2004	1.8	I	µg/L	0.40
01092	Zinc	Grab	N	SW6010	2/16/2004	16	I	µg/L	2.3
00900	Hardness, Total (as CaCO <sub>3</sub> )	Grab	N	SW6010	2/16/2004	85000	V	µg/L	35

**MICRO**

31612	Fecal Coliform (MF)	Grab	N	SM9222	2/9/2004	1000	U	cfu/100m	1000
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**ORGANICS**

49146	1,2-Dibromo-3-chloropropane	Grab	N	SW8011	2/17/2004	0.0041	U	µg/L	0.0041
77651	Ethylene Dibromide	Grab	N	SW8011	2/17/2004	0.0038	U	µg/L	0.0038
81552	Acetone	Grab	N	SW8260	2/13/2004	0.91	U	µg/L	0.91
34215	Acrylonitrile	Grab	N	SW8260	2/13/2004	0.93	U	µg/L	0.93
34030	Benzene	Grab	N	SW8260	2/13/2004	0.31	U	µg/L	0.31
73085	Bromochloromethane	Grab	N	SW8260	2/13/2004	0.22	U	µg/L	0.22
32101	Bromodichloromethane	Grab	N	SW8260	2/13/2004	0.10	U	µg/L	0.10
32104	Bromoform	Grab	N	SW8260	2/13/2004	0.11	U	µg/L	0.11
34413	Bromomethane	Grab	N	SW8260	2/13/2004	0.12	U	µg/L	0.12
81595	2-Butanone	Grab	N	SW8260	2/13/2004	0.29	U	µg/L	0.29
77041	Carbon disulfide	Grab	N	SW8260	2/13/2004	0.25	U	µg/L	0.25
32102	Carbon tetrachloride	Grab	N	SW8260	2/13/2004	0.25	U	µg/L	0.25
34301	Chlorobenzene	Grab	N	SW8260	2/13/2004	0.10	U	µg/L	0.10
34311	Chloroethane	Grab	N	SW8260	2/13/2004	0.16	U	µg/L	0.16
32106	Chloroform	Grab	N	SW8260	2/13/2004	0.28	U	µg/L	0.28
34418	Chloromethane	Grab	N	SW8260	2/13/2004	0.31	U	µg/L	0.31
32105	Dibromochloromethane	Grab	N	SW8260	2/13/2004	0.16	U	µg/L	0.16
77596	Dibromomethane	Grab	N	SW8260	2/13/2004	0.13	U	µg/L	0.13
34536	1,2-Dichlorobenzene	Grab	N	SW8260	2/13/2004	0.18	U	µg/L	0.18
34571	1,4-Dichlorobenzene	Grab	N	SW8260	2/13/2004	0.10	U	µg/L	0.10
77268	trans-1,4-Dichloro-2-butene	Grab	N	SW8260	2/13/2004	0.14	U	µg/L	0.14

Data \* Value exceeds Maximum Contaminant Level  
 Qualifier U Not Detected Above the MDL  
 Code Key:

I Analyte detected below quantitation limits  
 V Analyte detected in the associated Method Blank



**Southeast Landfill Well Monitoring Program**

**PARAMETER MONITORING REPORT**

Ground Water (Rule 62-520.400,.420, .460)

Surface Water (Rule 62-302.500, .510, .503)

Leachate (Rule 62-701.510)

LAB Submission Number: F04020323

Sample Number: F04020323-006

Facility WACS:	35435-006-SO	Sample Date/Time:	2/10/2004 2:05:00 PM
Well/Sampling Point WACS:	838	Report Period:	1st Semiannual 2004
Well/Sampling Point Name:	Surf Site 3C2	Well Purged:	YES
Classification of Groundwater:	G-II	Well Type:	Surface
Ground Water Elevation: (NGVD):			

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date	Analysis Result	Q	Units	Detection Limits
34496	1,1-Dichloroethane	Grab	N	SW8260	2/13/2004	0.30	U	µg/L	0.30
34531	1,2-Dichloroethane	Grab	N	SW8260	2/13/2004	0.10	U	µg/L	0.10
34501	1,1-Dichloroethene	Grab	N	SW8260	2/13/2004	0.10	U	µg/L	0.10
77093	cis-1,2-Dichloroethene	Grab	N	SW8260	2/13/2004	0.15	U	µg/L	0.15
34546	trans-1,2-Dichloroethene	Grab	N	SW8260	2/13/2004	0.17	U	µg/L	0.17
34541	1,2-Dichloropropane	Grab	N	SW8260	2/13/2004	0.12	U	µg/L	0.12
34704	cis-1,3-Dichloropropene	Grab	N	SW8260	2/13/2004	0.070	U	µg/L	0.070
34699	trans-1,3-Dichloropropene	Grab	N	SW8260	2/13/2004	0.11	U	µg/L	0.11
34371	Ethylbenzene	Grab	N	SW8260	2/13/2004	0.12	U	µg/L	0.12
77103	2-Hexanone	Grab	N	SW8260	2/13/2004	0.26	U	µg/L	0.26
77424	Iodomethane	Grab	N	SW8260	2/13/2004	0.38	U	µg/L	0.38
81596	4-Methyl-2-pentanone	Grab	N	SW8260	2/13/2004	0.21	U	µg/L	0.21
34423	Methylene chloride	Grab	N	SW8260	2/13/2004	0.26	U	µg/L	0.26
77128	Styrene	Grab	N	SW8260	2/13/2004	0.17	U	µg/L	0.17
77562	1,1,1,2-Tetrachloroethane	Grab	N	SW8260	2/13/2004	0.15	U	µg/L	0.15
34516	1,1,2,2-Tetrachloroethane	Grab	N	SW8260	2/13/2004	0.11	U	µg/L	0.11
34475	Tetrachloroethene	Grab	N	SW8260	2/13/2004	0.11	U	µg/L	0.11
34010	Toluene	Grab	N	SW8260	2/13/2004	0.10	U	µg/L	0.10
34506	1,1,1-Trichloroethane	Grab	N	SW8260	2/13/2004	0.24	U	µg/L	0.24
34511	1,1,2-Trichloroethane	Grab	N	SW8260	2/13/2004	0.13	U	µg/L	0.13
39180	Trichloroethene	Grab	N	SW8260	2/13/2004	0.15	U	µg/L	0.15
34488	Trichlorofluoromethane	Grab	N	SW8260	2/13/2004	0.32	U	µg/L	0.32
77443	1,2,3-Trichloropropane	Grab	N	SW8260	2/13/2004	0.30	U	µg/L	0.30
77057	Vinyl acetate	Grab	N	SW8260	2/13/2004	0.15	U	µg/L	0.15
39175	Vinyl chloride	Grab	N	SW8260	2/13/2004	0.14	U	µg/L	0.14
34020	Xylenes, Total	Grab	N	SW8260	2/13/2004	0.29	U	µg/L	0.29

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