



Hillsborough County
Florida

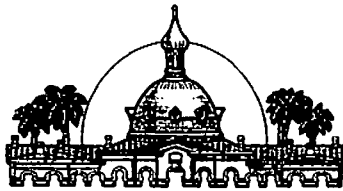
ANALYTICAL DATA REPORT AUGUST 2004

SOUTHEAST COUNTY LANDFILL SITE HILLSBOROUGH COUNTY, FLORIDA

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

November 3, 2004

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Cannon/low
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Hillsborough County
Florida

Office of the County Administrator
Patricia G. Bean

November 3, 2004

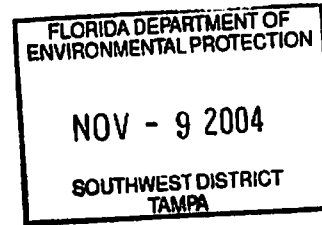
BOARD OF COUNTY COMMISSIONERS

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



**Re: Southeast County Landfill
Operations Permit No. 35435-006-SO
Semi-Annual Analytical Data Report, August 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 August 2004 analytical data report (ADR) for the semi-annual water quality monitoring at the Southeast County Landfill (SCLF). Samples were collected on August 23 through August 25 by the SWMD Field Sampling Team. Due to problems experienced by our contracted laboratory, Elab, during the month of September, the sample cooler containing the VOC vials for the Section 7 wells was lost during shipment to their laboratory in Tennessee. After notification by Elab on October 1, 2004, these wells were re-sampled on October 6, 2004 for VOCs and field parameters only.

The results from the October 6, 2004 sampling exhibited VOC and chlorinated solvent contaminants in two of the Section 7 detection wells, TH-59 and TH-60. Based on these results, an additional round of sampling was conducted on October 14, 2004 that included the two detection wells and the leak detection system. The results from these samples confirmed the presence of VOCs and chlorinated solvents in the two wells and the leak detection system.

The presence of contaminants in these two wells represents a serious concern to the SWMD. However, when one looks at the contaminants observed in the leak detection system in comparison to the water quality observed in TH-59 and TH-60, the principals of known contaminant transport are not effectively applied to this scenario. We would expect the more soluble compounds, such as methylene chloride to appear first in the detection wells if a liner system failure is contributing these contaminants to the groundwater. Methylene chloride does appear in these wells in the October 14, 2004 event, but the equipment blank exhibited this compound at a higher concentration than in the wells.

Mr. John Morris, P.G.
November 3, 2004
Page 2

Additionally, the concentrations of benzene in these detection wells is higher than what would be expected if the source area was somewhere in the liner system. The distance of travel from the closest location in the bottom of the liner to the detection wells is approximately 100 feet, and based on the known behavior of benzene in groundwater, it would be anticipated to decrease in concentration significantly over this distance. Furthermore, based on the estimated values of groundwater velocity at the site, the time required for a contaminant to enter the groundwater system and migrate to these two detection wells appears to be greater than the ten months that Section 7 has been actively receiving waste.

Based on the water quality comparisons of the contamination observed in the two down gradient monitoring wells and the leak detection system, the SWMD intends to conduct additional investigative sampling to assist in determining the source of the contaminants observed. It is our intent to utilize our in-house Field Sampling Team to sample the wells and leak detection system again, and have our contracted consultant SCS Engineers collect additional samples concurrently to provide an additional level of quality assurance in evaluating this situation. The two separate sets of samples shall be sent to two independent laboratories, and analyzed for EPA Method 8260 and the major cations and anions. This split sampling event is scheduled for November 9, 2004.

The water quality observed across the rest of the site remains consistent with the historical data set. The surficial aquifer monitoring wells continue to exhibit pH values below the Secondary Drinking Water Standard's (SDWS) acceptable range. Iron is consistently observed above the SDWS within the surficial aquifer at the SCLF. The SWMD maintains the position that the concentrations of iron and low pH values can be attributed to the previous usage 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 parameter specific details herein.

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 4.70 to 6.23 pH units. Surface water sites 3A in Long Flat Creek, and 1-D in Smith Lake exhibit pH values of 6.16 and 6.45, respectively. The surface water discharge monitoring point 3C2 exhibited a value of 6.82 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-59 and TH-60 at concentrations of 630 mg/l and 730 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 5.6 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 all thirteen surficial aquifer monitoring wells were above the applicable SDWS of 0.300 mg/l. The highest concentration for iron was 8.3 mg/l in detection well TH-58. The SCLF private supply wells owned by Weeks and Holland exhibited levels of iron above the SDWS with concentrations of 0.500 mg/l and 1.5 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-59 and TH-60 above the PDWS at concentrations of 0.12 and 0.16 mg/l, respectively. The concentration of nickel in these wells is lower in this sampling event than the previous sampling conducted in February, 2004. Nickel has consistently been observed in these wells since their initial sampling in October 2003, which was prior to waste being placed in the Section 7 cell.

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 March 2004 through August 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. The turbidity measurements have been within the compliance level of 29 nephelometric turbidity units (NTU) above the background (upstream) level, with exception of July 5, 2004. A turbidity reading of 39 NTU was observed at the discharge point, 3C2. A follow up reading on July 6, 2004 showed that the turbidity quickly returned to within compliance numbers. It continues to be apparent that the implementation of the stormwater improvement plan has been effective in reducing the turbidity entering Long Flat Creek, and the SWMD and Waste Management are working together to ensure the stormwater management system continues to function as designed. Future reporting of turbidity readings recorded at the SCLF shall continue to be submitted within each semi-annual ADR, and any violations will be immediately reported as agreed..

ORGANIC PARAMETERS

The organic parameters tested under EPA Method 8260 were originally sampled between August 20 through 23, 2004. As previously discussed, our contracted laboratory, Elab, Inc. sent the

Mr. John Morris, P.G.
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volatile organics to their secondary laboratory in Tennessee due to a power outage from Hurricane Francis. During transportation of the shipment, the samples for the Section 7 detection wells were lost; therefore, re-sampling for volatile organics was conducted on October 6, 2004.

Benzene

Benzene was observed in TH-59 and TH-60 above the PDWS of 1 ug/l at concentrations of 3.8 and 2.7 ug/l, respectively. On October 14, 2004, the SWMD re-sampled the two detection wells and the leak detection system. The two wells and the leak detection system were sampled for EPA Method 8260 for volatile organic compounds. Results from these samples confirmed the presence of benzene and various chlorinated solvents in the two detection wells and the leak detection system. The SWMD intends to further evaluate the conditions in this area, with assistance from our contracted consultant SCS Engineers. Additional sampling of the two wells and the leak detection system has been scheduled for Tuesday November 9, 2004, and split samples shall be collected by the SWMD and SCS Engineers for analysis by EPA Method 8260 and the major cations and anions at two independent laboratories.

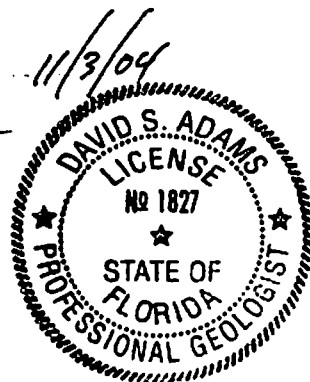
Enclosed for your review is a detailed site location map, the analytical data summary tables, an additional analytical data summary table of TH-59 and TH-60 and the leak detection system, a groundwater elevation data summary table, a surficial aquifer groundwater elevation contour diagram, a data summary table of turbidity measurements, a data summary table for the private wells, copies of the letters sent to the owners of 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 adamds@hillsboroughcounty.org.

Sincerely,



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



DSA/mdt
Enclosures

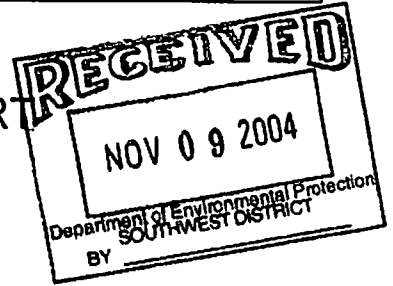
xc: Daryl Smith, Director, SWMD, w/o enclosures
Patricia Berry, Section Manager, SWMD, w/o enclosures
Ernest Ely, Landfill Manager, WM, Southeast Landfill
Carolyn McCreedy, Engineer, WM, Southeast Landfill
Larry Ruiz, Project Manager, SCS Engineers
Chongman Lee, Department of Environmental Protection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

Florida Department of Environmental Protection

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

DEP Form # 62-522.600(2)
Form Title <u>Ground Water Monitoring Report</u>
Effective Date _____
DEP Application No. _____

GROUND WATER MONITORING REPORT
Rule 62-522.600(11)



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: 11/4/04 [Signature]
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

Analytical Results from Surface Water Samples Collected at Southeast Landfill August 23, 2004

					(MCL) STANDARD
GENERAL PARAMETERS	3A	3B2B	3C2	Smith Lake	F.A.C. 62-302
conductivity (umhos/cm) (field)	267	242	260	205	1275
pH (field)	6.16	6.88	6.82	6.45	(6.5 - 8.5)
total dissolved solids (mg/l)	190	170	180	140	NS
total suspended solids (mg/l)	2.2	120	8.2	45	NS
temperature (°C) in field	25.22	25.49	27.2	29.29	NS
turbidity (field) (NTU)	0.60	11.3	14.9	13.3	29
nitrate (mg/l)	0.56	0.33	0.18	0.29	NS
nitrogen, kjedhal, total (mg/l)	0.50	1.4	0.81	2.4	NS
nitrogen, nitrate-nitrite (mg/l)	0.55	0.28	0.18	0.24	NS
dissolved oxygen (mg/l) (field)	3.31	5.1	3.86	0.8	Must Be > OR=5.0
total phosphorous (mg/l)	0.02	1.6	1.4	2.6	NS
biochem. oxygen demand (mg/l)	BDL	BDL	BDL	10	NS
chemical oxygen demand (mg/l)	27	49	38	83	NS
total organic carbon (mg/l as C)	7.3	13	12	21	NS
chlorophyll-A (mg/m3)	1.1	2	5.3	250	NS
total hardness (mg/l as CaCO)	100	94	90	82	NS
fecal coliform (Col/100ml)	60	3600	190	1000	800
					(MCL) STANDARD
Metals: (mg/l)	3A	3B2B	3C2	Smith Lake	F.A.C. 62-302
iron	0.140	1.2	0.620	0.180	1
copper	0.0005	0.0011	0.0019	0.0006	**
barium	0.025	0.02	0.015	0.0065	NS
beryllium	0.00003	0.00003	0.00005	0.00002	1.3
lead	BDL	0.0005	0.001	0.0005	*****
vanadium	BDL	0.0029	0.0044	0.00092	NS
chromium	BDL	0.0011	0.0026	0.00075	***
nickel	BDL	BDL	BDL	BDL	****
zinc	0.087	0.0075	0.0064	0.0058	*=105.99
cadmium	BDL	0.00007	0.00012	0.00008	*****
mercury	0.000038	0.000038	0.000039	0.00004	0.000012
					(MCL) STANDARD
Organics: (µg/l)	3A	3B2B	3C2	Smith Lake	F.A.C. 62-302
Organic Parameters Detected					
acetone	BDL	BDL	2.2	19	
toluene	BDL	BDL	BDL	4.500	100
methylene chloride	BDL	BDL	BDL	BDL	5
<p>NOTE: Water Levels taken on August 17, 1998</p> <p>NOTE: Referenced, Surface Water Quality Standards Title 62 Chapter 62-302, Class III: Fresh</p> <p>NS= NO STANDARD</p> <p>MCL= MAXIMUM CONTAMINANT LEVEL</p> <p>BDL= BELOW DETECTION LIMIT</p> <p>*= $Zn < \text{or } = e(0.8473[\ln H] + 0.7614)$, note: H=Hardness, for 3A standard is 105.99</p> <p>**= $Cu < \text{or } = e(0.8545[\ln H] - 1.465)$</p> <p>***= $Cr < \text{or } = e(0.819[\ln H] + 1.561)$</p> <p>****= $Ni < \text{or } = e(0.846[\ln H] + 1.1645)$</p> <p>*****= $Pb < \text{or } = e(1.273[\ln H] - 4.705)$</p> <p>*****= $Ca < \text{or } = e(0.7852[\ln H] - 3.49)$</p>					
<p>6.16 : EXCEEDS CHAPTER 62-302 SURFACE WATER QUALITY STANDARDS</p> <p>NTU= NEPHELOMETRIC TURBIDITY UNITS</p> <p>µg/l= MICROGRAMS PER LITER</p> <p>mg/l= MILLIGRAMS PER LITER</p>					

HILLSBOROUGH COUNTY
SOUTHEAST COUNTY LANDFILL TURBIDITY MONITORING

Date	Basin No.	Time	Turbidity (NTU)	Notes
3/17/2004	3A	12:50 p.m.	7.1	2.6" rain on 3/15/04 and 3/16/04
	3B2B	1:00 p.m.	19	
	3C2	1:10 p.m.	20	
4/14/2004	3A	12:25 p.m.	2.6	2.2" rain between 4/11/04 and 4/13/04
	3B2B	12:35 p.m.	4.1	
	3C2	12:45 p.m.	5.4	
5/4/2004	3A	7:50 a.m.	0.75	1.72" rain on 5/3/04
	3B2B	8:00 a.m.	0.95	
	3C2	8:10 a.m.	2.9	
6/14/2004	3A	8:00 a.m.	0.65	0.98" rain on 6/10/04
	3B2B	8:10 a.m.	1.5	
	3C2	8:15 a.m.	1.6	
7/5/2004	3A	7:35 a.m.	2.4	1.45" rain on 7/5/04
	3B2B	7:45 a.m.	11	
	3C2	7:55 a.m.	39	
7/6/2004	3A	8:25 a.m.	1.8	Follow-up to 7/5/04 exceedance
	3B2B	8:35 a.m.	4.7	
	3C2	8:40 a.m.	8.8	
7/19/2004	3A	7:45 a.m.	4.2	1.35" rain on 7/18/04 and 7/19/04
	3B2B	8:00 a.m.	6.3	
	3C2	8:15 a.m.	6.5	
7/20/2004	3A	7:50 a.m.	4.6	1.20" rain on 7/19/04 and 7/20/04
	3B2B	8:00 a.m.	6	
	3C2	8:05 a.m.	7.7	
7/20/2004	3A	1:50 p.m.	6.2	7/19/04 and 7/20/04 (Follow-up)
	3B2B	2:00 p.m.	8.5	
	3C2	2:40 p.m.	20	
7/21/2004	3A	8:20 a.m.	5.2	1.75" rain on 7/20/04 and 7/21/04
	3B2B	8:30 a.m.	5.6	
	3C2	8:40 a.m.	9	
7/29/2004	3A	7:30 a.m.	5.2	0.58" rain on 7/27/04
	3B2B	7:35 a.m.	6.3	
	3C2	7:40 a.m.	6.4	
8/5/2004	3A	7:15 a.m.	4.9	0.58" rain on 8/4/04
	3B2B	7:25 a.m.	5.7	
	3C2	7:30 a.m.	6.9	
8/7/2004	3A	8:20 a.m.	6.5	0.92" rain on 8/6/04
	3B2B	8:25 a.m.	6.9	
	3C2	8:30 a.m.	8.4	
8/18/2004	3A	10:45 a.m.	5.2	1.35" rain on 8/17/04 and 8/18/04
	3B2B	11:00 a.m.	6.2	
	3C2	11:05 a.m.	24	



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: F04080818

Sample Number: F04080818-002

Facility WACS:	35435-006-SO	Sample Date/Time:	8/23/2004 12:35:00 PM
Well/Sampling Point WACS:	834	Report Period:	2nd Semiannual 2004
Well/Sampling Point Name:	Smith Lake	Well Purged:	YES
Classification of Groundwater:	S-III	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
FIELD									
	Conductivity	Composite	N	FLD	8/23/2004	205		umhos/c	
	Dissolved Oxygen	Composite	N	FLD	8/23/2004	0.80		mg/L	
	pH	Composite	N	FLD	8/23/2004	6.45		S.U.	
	Temperature	Composite	N	FLD	8/23/2004	29.29		deg C	
	Turbidity	Composite	N	FLD	8/23/2004	13.3		NTU	
INORGANICS									
70300	Solids, Total Dissolved	Composite	N	E160.1	8/25/2004	140		mg/L	1.2
00530	Solids, Suspended (Residue, Non-	Composite	N	E160.2	8/26/2004	45		mg/L	0.77
00940	Chloride	Composite	N	E300.0	8/28/2004	23		mg/L	0.036
00625	Nitrogen, Kjeldahl, Total	Composite	N	E351.2	8/31/2004	2.4		mg/L	0.095
00620	Nitrogen, Nitrate	Composite	N	E353.2	8/25/2004	0.29	QV	mg/L	0.0042
00630	Nitrogen, Nitrate-Nitrite	Composite	N	E353.2	8/25/2004	0.24	V	mg/L	0.0042
00665	Phosphorus, Total (as P)	Composite	N	E365.4	8/31/2004	2.6		mg/L	0.0064
00310	Biochemical Oxygen Demand	Composite	N	E405.1	8/30/2004	10		mg/L	2.0
00340	Chemical Oxygen Demand	Composite	N	E410.4	8/30/2004	83		mg/L	6.2
00680	Organic Carbon, Total	Composite	N	E415.1	8/30/2004	21		mg/L	0.080
00612	Nitrogen, Ammonia (Unionized)	Composite	N	FL-DEP	9/8/2004	0.012	U	mg/L	0.012
32211	Chlorophyll a	Composite	N	SM1020	9/1/2004	250		mg/m ³	1.0
00600	Nitrogen, Total	Composite	N	SM4500-	9/1/2004	2.6		mg/L	0.095
METALS									
01012	Beryllium	Composite	N	E210.2	8/31/2004	0.020	I	µg/L	0.017
01027	Cadmium	Composite	N	E213.2	8/30/2004	0.080	I	µg/L	0.068
01042	Copper	Composite	N	E220.2	8/30/2004	0.60	I	µg/L	0.31
01051	Lead	Composite	N	E239.2	9/1/2004	0.50	I	µg/L	0.50
01077	Silver	Composite	N	E272.2	9/2/2004	0.017	U	µg/L	0.017
01097	Antimony	Composite	N	SW6010	8/26/2004	2.8	U	µg/L	2.8
01002	Arsenic	Composite	N	SW6010	8/26/2004	2.0	U	µg/L	2.0
01007	Barium	Composite	N	SW6010	8/26/2004	6.5	I	µg/L	0.074
01034	Chromium	Composite	N	SW6010	8/26/2004	0.75	I	µg/L	0.60
01037	Cobalt	Composite	N	SW6010	8/26/2004	1.5	U	µg/L	1.5

Data	*	Value exceeds Maximum Contaminant Level	I	Analyte detected below quantitation limits
Qualifier	Q	Holding times for preparation or analysis exceeded	S	Spike Recovery outside accepted recovery limits
Code Key:	U	Not Detected Above the MDL	V	Analyte detected in the associated Method Blank



Southeast Landfill Well Monitoring Program

PARAMETER MONITORING REPORT

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

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Leachate (Rule 62-701.510)

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Well/Sampling Point Name:	Smith Lake	Well Purged:	YES
Classification of Groundwater:	S-III	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
01045	Iron	Composite	N	SW6010	8/26/2004	180		µg/L	13
01067	Nickel	Composite	N	SW6010	8/26/2004	2.0	U	µg/L	2.0
01147	Selenium	Composite	N	SW6010	8/26/2004	4.0	U	µg/L	4.0
00929	Sodium	Composite	N	SW6010	8/26/2004	12000		µg/L	230
01059	Thallium	Composite	N	SW6010	8/26/2004	4.4	U	µg/L	4.4
01087	Vanadium	Composite	N	SW6010	8/26/2004	0.92	I	µg/L	0.40
01092	Zinc	Composite	N	SW6010	8/26/2004	5.8	I	µg/L	2.3
00900	Hardness, Total (as CaCO3)	Composite	N	SW6010	8/26/2004	82000	V	µg/L	35
71900	Mercury	Composite	N	SW7470	8/26/2004	0.040	I	µg/L	0.036

ORGANICS

49146	1,2-Dibromo-3-chloropropane	Composite	N	SW8011	8/27/2004	0.0041	U	µg/L	0.0041
77651	Ethylene Dibromide	Composite	N	SW8011	8/27/2004	0.0038	U	µg/L	0.0038
81552	Acetone	Composite	N	SW8260	9/3/2004	19		µg/L	2.0
34215	Acrylonitrile	Composite	N	SW8260	9/3/2004	0.90	U	µg/L	0.90
34030	Benzene	Composite	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
73085	Bromochloromethane	Composite	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
32101	Bromodichloromethane	Composite	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
32104	Bromoform	Composite	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34413	Bromomethane	Composite	N	SW8260	9/3/2004	0.80	U	µg/L	0.80
81595	2-Butanone	Composite	N	SW8260	9/3/2004	1.0	U	µg/L	1.0
77041	Carbon disulfide	Composite	N	SW8260	9/3/2004	0.20	U	µg/L	0.20
32102	Carbon tetrachloride	Composite	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34301	Chlorobenzene	Composite	N	SW8260	9/3/2004	0.20	U	µg/L	0.20
34311	Chloroethane	Composite	N	SW8260	9/3/2004	0.50	U	µg/L	0.50
32106	Chloroform	Composite	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34418	Chloromethane	Composite	N	SW8260	9/3/2004	0.50	U	µg/L	0.50
32105	Dibromochloromethane	Composite	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
77596	Dibromomethane	Composite	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
34536	1,2-Dichlorobenzene	Composite	N	SW8260	9/3/2004	1.0	U	µg/L	1.0
34571	1,4-Dichlorobenzene	Composite	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
77268	trans-1,4-Dichloro-2-butene	Composite	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
34496	1,1-Dichloroethane	Composite	N	SW8260	9/3/2004	0.50	U	µg/L	0.50

Data Qualifier Code Key:

*	Value exceeds Maximum Contaminant Level	I	Analyte detected below quantitation limits
Q	Holding times for preparation or analysis exceeded	S	Spike Recovery outside accepted recovery limits
U	Not Detected Above the MDL	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: F04080818

Sample Number: F04080818-002

Facility WACS:	35435-006-SO	Sample Date/Time:	8/23/2004 12:35:00 PM
Well/Sampling Point WACS:	834	Report Period:	2nd Semiannual 2004
Well/Sampling Point Name:	Smith Lake	Well Purged:	YES
Classification of Groundwater:	S-III	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
34531	1,2-Dichloroethane	Composite	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
34501	1,1-Dichloroethene	Composite	N	SW8260	9/3/2004	0.60	U	µg/L	0.60
77093	cis-1,2-Dichloroethene	Composite	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34546	trans-1,2-Dichloroethene	Composite	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34541	1,2-Dichloropropane	Composite	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34704	cis-1,3-Dichloropropene	Composite	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
34699	trans-1,3-Dichloropropene	Composite	N	SW8260	9/3/2004	0.20	U	µg/L	0.20
34371	Ethylbenzene	Composite	N	SW8260	9/3/2004	0.20	U	µg/L	0.20
77103	2-Hexanone	Composite	N	SW8260	9/3/2004	1.0	U	µg/L	1.0
77424	Iodomethane	Composite	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
81596	4-Methyl-2-pentanone	Composite	N	SW8260	9/3/2004	1.0	U	µg/L	1.0
34423	Methylene chloride	Composite	N	SW8260	9/3/2004	0.90	U	µg/L	0.90
77128	Styrene	Composite	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
77562	1,1,1,2-Tetrachloroethane	Composite	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
34516	1,1,2,2-Tetrachloroethane	Composite	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34475	Tetrachloroethene	Composite	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
34010	Toluene	Composite	N	SW8260	9/3/2004	4.5		µg/L	0.30
34506	1,1,1-Trichloroethane	Composite	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34511	1,1,2-Trichloroethane	Composite	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
39180	Trichloroethene	Composite	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34488	Trichlorofluoromethane	Composite	N	SW8260	9/3/2004	0.50	U	µg/L	0.50
77443	1,2,3-Trichloropropane	Composite	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
77057	Vinyl acetate	Composite	N	SW8260	9/3/2004	0.70	U	µg/L	0.70
39175	Vinyl chloride	Composite	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34020	Xylenes, Total	Composite	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
SUB									
31612	Fecal Coliform (MF)	Composite	N	SM9222	8/23/2004	1000		cfu/100m	100

Data	*	Value exceeds Maximum Contaminant Level	I	Analyte detected below quantitation limits
Qualifier	Q	Holding times for preparation or analysis exceeded	S	Spike Recovery outside accepted recovery limits
Code Key:	U	Not Detected Above the MDL	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: F04080818

Sample Number: F04080818-003

Facility WACS:	35435-006-SO	Sample Date/Time:	8/23/2004 12:20:00 PM
Well/Sampling Point WACS:	836	Report Period:	2nd Semiannual 2004
Well/Sampling Point Name:	SURF SITE 3A	Well Purged:	YES
Classification of Groundwater:	S-III	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
FIELD									
	Conductivity	Grab	N	FLD	8/23/2004	267		umhos/c	
	Dissolved Oxygen	Grab	N	FLD	8/23/2004	3.31		mg/L	
	pH	Grab	N	FLD	8/23/2004	6.16		S.U.	
	Temperature	Grab	N	FLD	8/23/2004	25.22		deg C	
	Turbidity	Grab	N	FLD	8/23/2004	0.6		NTU	
INORGANICS									
70300	Solids, Total Dissolved	Grab	N	E160.1	8/25/2004	190		mg/L	1.2
00530	Solids, Suspended (Residue, Non-	Grab	N	E160.2	8/26/2004	2.2	I	mg/L	0.77
00940	Chloride	Grab	N	E300.0	8/28/2004	25		mg/L	0.036
00625	Nitrogen, Kjeldahl, Total	Grab	N	E351.2	8/31/2004	0.50		mg/L	0.095
00620	Nitrogen, Nitrate	Grab	N	E353.2	8/25/2004	0.56	QV	mg/L	0.0042
00630	Nitrogen, Nitrate-Nitrite	Grab	N	E353.2	8/25/2004	0.55	V	mg/L	0.0042
00665	Phosphorus, Total (as P)	Grab	N	E365.4	8/31/2004	0.020	I	mg/L	0.0064
00310	Biochemical Oxygen Demand	Grab	N	E405.1	8/30/2004	2.0	U	mg/L	2.0
00340	Chemical Oxygen Demand	Grab	N	E410.4	8/30/2004	27		mg/L	6.2
00680	Organic Carbon, Total	Grab	N	E415.1	8/30/2004	7.3		mg/L	0.080
00612	Nitrogen, Ammonia (Unionized)	Grab	N	FL-DEP	9/8/2004	0.012	U	mg/L	0.012
32211	Chlorophyll a	Grab	N	SM1020	9/1/2004	1.1		mg/m ³	1.0
00600	Nitrogen, Total	Grab	N	SM4500-	9/1/2004	1.0		mg/L	0.095
METALS									
01012	Beryllium	Grab	N	E210.2	8/31/2004	0.030	I	µg/L	0.017
01027	Cadmium	Grab	N	E213.2	8/30/2004	0.068	U	µg/L	0.068
01042	Copper	Grab	N	E220.2	8/30/2004	0.50	I	µg/L	0.31
01051	Lead	Grab	N	E239.2	9/1/2004	0.50	U	µg/L	0.50
01077	Silver	Grab	N	E272.2	9/2/2004	0.017	U	µg/L	0.017
01097	Antimony	Grab	N	SW6010	8/26/2004	2.8	U	µg/L	2.8
01002	Arsenic	Grab	N	SW6010	8/26/2004	2.0	U	µg/L	2.0
01007	Barium	Grab	N	SW6010	8/26/2004	25		µg/L	0.074
01034	Chromium	Grab	N	SW6010	8/26/2004	0.60	U	µg/L	0.60
01037	Cobalt	Grab	N	SW6010	8/26/2004	1.5	U	µg/L	1.5

Data Qualifier Code Key: * Value exceeds Maximum Contaminant Level
 Q Holding times for preparation or analysis exceeded
 U Not Detected Above the MDL
 I Analyte detected below quantitation limits
 S Spike Recovery outside accepted recovery 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: F04080818

Sample Number: F04080818-003

Facility WACS:	35435-006-SO	Sample Date/Time:	8/23/2004 12:20:00 PM
Well/Sampling Point WACS:	836	Report Period:	2nd Semiannual 2004
Well/Sampling Point Name:	SURF SITE 3A	Well Purged:	YES
Classification of Groundwater:	S-III	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
01045	Iron	Grab	N	SW6010	8/26/2004	140		µg/L	13
01067	Nickel	Grab	N	SW6010	8/26/2004	2.0	U	µg/L	2.0
01147	Selenium	Grab	N	SW6010	8/26/2004	4.0	U	µg/L	4.0
00929	Sodium	Grab	N	SW6010	8/26/2004	6300		µg/L	230
01059	Thallium	Grab	N	SW6010	8/26/2004	4.4	U	µg/L	4.4
01087	Vanadium	Grab	N	SW6010	8/26/2004	0.40	U	µg/L	0.40
01092	Zinc	Grab	N	SW6010	8/26/2004	87		µg/L	2.3
00900	Hardness, Total (as CaCO3)	Grab	N	SW6010	8/26/2004	100000	V	µg/L	35
71900	Mercury	Grab	N	SW7470	8/26/2004	0.038	I	µg/L	0.036
ORGANICS									
49146	1,2-Dibromo-3-chloropropane	Grab	N	SW8011	8/27/2004	0.0041	U	µg/L	0.0041
77651	Ethylene Dibromide	Grab	N	SW8011	8/27/2004	0.0038	U	µg/L	0.0038
81552	Acetone	Grab	N	SW8260	9/3/2004	2.0	U	µg/L	2.0
34215	Acrylonitrile	Grab	N	SW8260	9/3/2004	0.90	U	µg/L	0.90
34030	Benzene	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
73085	Bromochloromethane	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
32101	Bromodichloromethane	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
32104	Bromoform	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34413	Bromomethane	Grab	N	SW8260	9/3/2004	0.80	U	µg/L	0.80
81595	2-Butanone	Grab	N	SW8260	9/3/2004	1.0	U	µg/L	1.0
77041	Carbon disulfide	Grab	N	SW8260	9/3/2004	0.20	U	µg/L	0.20
32102	Carbon tetrachloride	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34301	Chlorobenzene	Grab	N	SW8260	9/3/2004	0.20	U	µg/L	0.20
34311	Chloroethane	Grab	N	SW8260	9/3/2004	0.50	U	µg/L	0.50
32106	Chloroform	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34418	Chloromethane	Grab	N	SW8260	9/3/2004	0.50	U	µg/L	0.50
32105	Dibromochloromethane	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
77598	Dibromomethane	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
34536	1,2-Dichlorobenzene	Grab	N	SW8260	9/3/2004	1.0	U	µg/L	1.0
34571	1,4-Dichlorobenzene	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
77268	trans-1,4-Dichloro-2-butene	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
34496	1,1-Dichloroethane	Grab	N	SW8260	9/3/2004	0.50	U	µg/L	0.50

Data Qualifier Code Key:

- * Value exceeds Maximum Contaminant Level
- Q Holding times for preparation or analysis exceeded
- U Not Detected Above the MDL
- I Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery 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: F04080818

Sample Number: F04080818-003

Facility WACS:	35435-006-SO	Sample Date/Time:	8/23/2004 12:20:00 PM
Well/Sampling Point WACS:	836	Report Period:	2nd Semiannual 2004
Well/Sampling Point Name:	SURF SITE 3A	Well Purged:	YES
Classification of Groundwater:	S-III	Well Type:	Surface
Ground Water Elevation: (NGVD):			

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date	Analysis			Detection Limits
						Result	Q	Units	
34531	1,2-Dichloroethane	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
34501	1,1-Dichloroethene	Grab	N	SW8260	9/3/2004	0.60	U	µg/L	0.60
77093	cis-1,2-Dichloroethene	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34546	trans-1,2-Dichloroethene	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34541	1,2-Dichloropropane	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34704	cis-1,3-Dichloropropene	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
34699	trans-1,3-Dichloropropene	Grab	N	SW8260	9/3/2004	0.20	U	µg/L	0.20
34371	Ethylbenzene	Grab	N	SW8260	9/3/2004	0.20	U	µg/L	0.20
77103	2-Hexanone	Grab	N	SW8260	9/3/2004	1.0	U	µg/L	1.0
77424	Iodomethane	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
81596	4-Methyl-2-pentanone	Grab	N	SW8260	9/3/2004	1.0	U	µg/L	1.0
34423	Methylene chloride	Grab	N	SW8260	9/3/2004	0.90	U	µg/L	0.90
77128	Styrene	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
77562	1,1,1,2-Tetrachloroethane	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
34516	1,1,2,2-Tetrachloroethane	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34475	Tetrachloroethene	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
34010	Toluene	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
34506	1,1,1-Trichloroethane	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34511	1,1,2-Trichloroethane	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
39180	Trichloroethene	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34488	Trichlorofluoromethane	Grab	N	SW8260	9/3/2004	0.50	U	µg/L	0.50
77443	1,2,3-Trichloropropane	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
77057	Vinyl acetate	Grab	N	SW8260	9/3/2004	0.70	U	µg/L	0.70
39175	Vinyl chloride	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34020	Xylenes, Total	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
SUB									
31612	Fecal Coliform (MF)	Grab	N	SM9222	8/23/2004	60		cfu/100m	10

Data	*	Value exceeds Maximum Contaminant Level	I	Analyte detected below quantitation limits
Qualifier	Q	Holding times for preparation or analysis exceeded	S	Spike Recovery outside accepted recovery limits
Code Key:	U	Not Detected Above the MDL	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: F04080818

Sample Number: F04080818-004

Facility WACS:	35435-006-SO	Sample Date/Time:	8/23/2004 1:05:00 PM
Well/Sampling Point WACS:	837	Report Period:	2nd Semiannual 2004
Well/Sampling Point Name:	SURF SITE 3B2B	Well Purged:	YES
Classification of Groundwater:	S-III	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
FIELD									
	Conductivity	Grab	N	FLD	8/23/2004	242		umhos/c	
	Dissolved Oxygen	Grab	N	FLD	8/23/2004	5.10		mg/L	
	pH	Grab	N	FLD	8/23/2004	6.88		S.U.	
	Temperature	Grab	N	FLD	8/23/2004	25.49		deg C	
	Turbidity	Grab	N	FLD	8/23/2004	11.3		NTU	
INORGANICS									
70300	Solids, Total Dissolved	Grab	N	E160.1	8/25/2004	170		mg/L	1.2
00530	Solids, Suspended (Residue, Non-	Grab	N	E160.2	8/26/2004	120		mg/L	0.77
00940	Chloride	Grab	N	E300.0	8/28/2004	25		mg/L	0.036
00625	Nitrogen, Kjeldahl, Total	Grab	N	E351.2	8/31/2004	1.4		mg/L	0.095
00620	Nitrogen, Nitrate	Grab	N	E353.2	8/25/2004	0.33	QV	mg/L	0.0042
00630	Nitrogen, Nitrate-Nitrite	Grab	N	E353.2	8/25/2004	0.28	V	mg/L	0.0042
00665	Phosphorus, Total (as P)	Grab	N	E365.4	8/31/2004	1.6		mg/L	0.0064
00310	Biochemical Oxygen Demand	Grab	N	E405.1	8/30/2004	12	U	mg/L	12
00340	Chemical Oxygen Demand	Grab	N	E410.4	8/30/2004	49		mg/L	6.2
00680	Organic Carbon, Total	Grab	N	E415.1	8/30/2004	13		mg/L	0.080
00612	Nitrogen, Ammonia (Unionized)	Grab	N	FL-DEP	9/8/2004	0.012	U	mg/L	0.012
32211	Chlorophyll a	Grab	N	SM1020	9/1/2004	2.0		mg/m ³	1.0
00600	Nitrogen, Total	Grab	N	SM4500-	9/1/2004	1.7		mg/L	0.095
METALS									
01012	Beryllium	Grab	N	E210.2	8/31/2004	0.030	I	µg/L	0.017
01027	Cadmium	Grab	N	E213.2	8/30/2004	0.070	I	µg/L	0.068
01042	Copper	Grab	N	E220.2	8/30/2004	1.1		µg/L	0.31
01051	Lead	Grab	N	E239.2	9/1/2004	0.50	I	µg/L	0.50
01077	Silver	Grab	N	E272.2	9/2/2004	0.017	U	µg/L	0.017
01097	Antimony	Grab	N	SW6010	8/26/2004	2.8	U	µg/L	2.8
01002	Arsenic	Grab	N	SW6010	8/26/2004	2.0	U	µg/L	2.0
01007	Barium	Grab	N	SW6010	8/26/2004	20		µg/L	0.074
01034	Chromium	Grab	N	SW6010	8/26/2004	1.1	I	µg/L	0.60
01037	Cobalt	Grab	N	SW6010	8/26/2004	1.5	U	µg/L	1.5

Data Qualifier Code Key:	* Value exceeds Maximum Contaminant Level	I Analyte detected below quantitation limits
	Q Holding times for preparation or analysis exceeded	S Spike Recovery outside accepted recovery limits
	U Not Detected Above the MDL	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: F04080818

Sample Number: F04080818-004

Facility WACS:	35435-006-SO	Sample Date/Time:	8/23/2004 1:05:00 PM
Well/Sampling Point WACS:	837	Report Period:	2nd Semiannual 2004
Well/Sampling Point Name:	SURF SITE 3B2B	Well Purged:	YES
Classification of Groundwater:	S-III	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
01045	Iron	Grab	N	SW6010	8/26/2004	1200	*	µg/L	13
01067	Nickel	Grab	N	SW6010	8/26/2004	2.0	U	µg/L	2.0
01147	Selenium	Grab	N	SW6010	8/26/2004	4.0	U	µg/L	4.0
00929	Sodium	Grab	N	SW6010	8/26/2004	7400		µg/L	230
01059	Thallium	Grab	N	SW6010	8/26/2004	4.4	U	µg/L	4.4
01087	Vanadium	Grab	N	SW6010	8/26/2004	2.9	I	µg/L	0.40
01092	Zinc	Grab	N	SW6010	8/26/2004	7.5	I	µg/L	2.3
00900	Hardness, Total (as CaCO3)	Grab	N	SW6010	8/26/2004	94000	V	µg/L	35
71900	Mercury	Grab	N	SW7470	8/26/2004	0.038	I	µg/L	0.036
ORGANICS									
49146	1,2-Dibromo-3-chloropropane	Grab	N	SW8011	8/27/2004	0.0041	U	µg/L	0.0041
77651	Ethylene Dibromide	Grab	N	SW8011	8/27/2004	0.0038	U	µg/L	0.0038
81552	Acetone	Grab	N	SW8260	9/3/2004	2.0	U	µg/L	2.0
34215	Acrylonitrile	Grab	N	SW8260	9/3/2004	0.90	U	µg/L	0.90
34030	Benzene	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
73085	Bromochloromethane	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
32101	Bromodichloromethane	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
32104	Bromoform	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34413	Bromomethane	Grab	N	SW8260	9/3/2004	0.80	U	µg/L	0.80
81595	2-Butanone	Grab	N	SW8260	9/3/2004	1.0	U	µg/L	1.0
77041	Carbon disulfide	Grab	N	SW8260	9/3/2004	0.20	U	µg/L	0.20
32102	Carbon tetrachloride	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34301	Chlorobenzene	Grab	N	SW8260	9/3/2004	0.20	U	µg/L	0.20
34311	Chloroethane	Grab	N	SW8260	9/3/2004	0.50	U	µg/L	0.50
32106	Chloroform	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34418	Chloromethane	Grab	N	SW8260	9/3/2004	0.50	U	µg/L	0.50
32105	Dibromochloromethane	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
77596	Dibromomethane	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
34536	1,2-Dichlorobenzene	Grab	N	SW8260	9/3/2004	1.0	U	µg/L	1.0
34571	1,4-Dichlorobenzene	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
77268	trans-1,4-Dichloro-2-butene	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
34496	1,1-Dichloroethane	Grab	N	SW8260	9/3/2004	0.50	U	µg/L	0.50

Data Qualifier Code Key:	* Value exceeds Maximum Contaminant Level	I Analyte detected below quantitation limits
	Q Holding times for preparation or analysis exceeded	S Spike Recovery outside accepted recovery limits
	U Not Detected Above the MDL	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: F04080818

Sample Number: F04080818-004

Facility WACS:	35435-006-SO	Sample Date/Time:	8/23/2004 1:05:00 PM
Well/Sampling Point WACS:	837	Report Period:	2nd Semiannual 2004
Well/Sampling Point Name:	SURF SITE 3B2B	Well Purged:	YES
Classification of Groundwater:	S-III	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
34531	1,2-Dichloroethane	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
34501	1,1-Dichloroethene	Grab	N	SW8260	9/3/2004	0.60	U	µg/L	0.60
77093	cis-1,2-Dichloroethene	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34546	trans-1,2-Dichloroethene	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34541	1,2-Dichloropropane	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34704	cis-1,3-Dichloropropene	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
34699	trans-1,3-Dichloropropene	Grab	N	SW8260	9/3/2004	0.20	U	µg/L	0.20
34371	Ethylbenzene	Grab	N	SW8260	9/3/2004	0.20	U	µg/L	0.20
77103	2-Hexanone	Grab	N	SW8260	9/3/2004	1.0	U	µg/L	1.0
77424	Iodomethane	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
81596	4-Methyl-2-pentanone	Grab	N	SW8260	9/3/2004	1.0	U	µg/L	1.0
34423	Methylene chloride	Grab	N	SW8260	9/3/2004	0.90	U	µg/L	0.90
77128	Styrene	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
77562	1,1,1,2-Tetrachloroethane	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
34516	1,1,2,2-Tetrachloroethane	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34475	Tetrachloroethene	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
34010	Toluene	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
34506	1,1,1-Trichloroethane	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34511	1,1,2-Trichloroethane	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
39180	Trichloroethene	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34488	Trichlorofluoromethane	Grab	N	SW8260	9/3/2004	0.50	U	µg/L	0.50
77443	1,2,3-Trichloropropane	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
77057	Vinyl acetate	Grab	N	SW8260	9/3/2004	0.70	U	µg/L	0.70
39175	Vinyl chloride	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34020	Xylenes, Total	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
SUB									
31612	Fecal Coliform (MF)	Grab	N	SM9222	8/23/2004	3600		cfu/100m	100

Data Qualifier Code Key:

- * Value exceeds Maximum Contaminant Level
- Q Holding times for preparation or analysis exceeded
- U Not Detected Above the MDL
- I Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery 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: F04080818

Sample Number: F04080818-005

Facility WACS:	35435-006-SO	Sample Date/Time:	8/23/2004 12:50:00 PM
Well/Sampling Point WACS:	838	Report Period:	2nd Semiannual 2004
Well/Sampling Point Name:	SURF SITE 3C2	Well Purged:	YES
Classification of Groundwater:	S-III	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
FIELD									
	Conductivity	Grab	N	FLD	8/23/2004	260		umhos/c	
	Dissolved Oxygen	Grab	N	FLD	8/23/2004	3.86		mg/L	
	pH	Grab	N	FLD	8/23/2004	6.82		S.U.	
	Temperature	Grab	N	FLD	8/23/2004	27.2		deg C	
	Turbidity	Grab	N	FLD	8/23/2004	14.9		NTU	
INORGANICS									
70300	Solids, Total Dissolved	Grab	N	E160.1	8/25/2004	180		mg/L	1.2
00530	Solids, Suspended (Residue, Non-	Grab	N	E160.2	8/26/2004	8.2		mg/L	0.77
00940	Chloride	Grab	N	E300.0	8/28/2004	33		mg/L	0.036
00625	Nitrogen, Kjeldahl, Total	Grab	N	E351.2	8/31/2004	0.81		mg/L	0.095
00620	Nitrogen, Nitrate	Grab	N	E353.2	8/25/2004	0.18	QV	mg/L	0.0042
00630	Nitrogen, Nitrate-Nitrite	Grab	N	E353.2	8/25/2004	0.18	V	mg/L	0.0042
00665	Phosphorus, Total (as P)	Grab	N	E365.4	8/31/2004	1.4		mg/L	0.0064
00310	Biochemical Oxygen Demand	Grab	N	E405.1	8/30/2004	2.0	U	mg/L	2.0
00340	Chemical Oxygen Demand	Grab	N	E410.4	8/30/2004	38		mg/L	6.2
00680	Organic Carbon, Total	Grab	N	E415.1	8/30/2004	12		mg/L	0.080
00612	Nitrogen, Ammonia (Unionized)	Grab	N	FL-DEP	9/8/2004	0.012	U	mg/L	0.012
32211	Chlorophyll a	Grab	N	SM1020	9/1/2004	5.3		mg/m ³	1.0
00600	Nitrogen, Total	Grab	N	SM4500-	9/1/2004	0.99		mg/L	0.095
METALS									
01012	Beryllium	Grab	N	E210.2	8/31/2004	0.050	I	µg/L	0.017
01027	Cadmium	Grab	N	E213.2	8/30/2004	0.12		µg/L	0.068
01042	Copper	Grab	N	E220.2	8/30/2004	1.9		µg/L	0.31
01051	Lead	Grab	N	E239.2	9/1/2004	1.0		µg/L	0.50
01077	Silver	Grab	N	E272.2	9/2/2004	0.017	U	µg/L	0.017
01097	Antimony	Grab	N	SW6010	8/26/2004	2.8	U	µg/L	2.8
01002	Arsenic	Grab	N	SW6010	8/26/2004	2.0	U	µg/L	2.0
01007	Barium	Grab	N	SW6010	8/26/2004	15		µg/L	0.074
01034	Chromium	Grab	N	SW6010	8/26/2004	2.6	I	µg/L	0.60
01037	Cobalt	Grab	N	SW6010	8/26/2004	1.5	U	µg/L	1.5

Data	*	Value exceeds Maximum Contaminant Level	I	Analyte detected below quantitation limits
Qualifier	Q	Holding times for preparation or analysis exceeded	S	Spike Recovery outside accepted recovery limits
Code Key:	U	Not Detected Above the MDL	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: F04080818

Sample Number: F04080818-005

Facility WACS:	35435-006-SO	Sample Date/Time:	8/23/2004 12:50:00 PM
Well/Sampling Point WACS:	838	Report Period:	2nd Semiannual 2004
Well/Sampling Point Name:	SURF SITE 3C2	Well Purged:	YES
Classification of Groundwater:	S-III	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
01045	Iron	Grab	N	SW6010	8/26/2004	620	*	µg/L	13
01067	Nickel	Grab	N	SW6010	8/26/2004	2.0	U	µg/L	2.0
01147	Selenium	Grab	N	SW6010	8/26/2004	4.0	U	µg/L	4.0
00929	Sodium	Grab	N	SW6010	8/26/2004	14000		µg/L	230
01059	Thallium	Grab	N	SW6010	8/26/2004	4.4	U	µg/L	4.4
01087	Vanadium	Grab	N	SW6010	8/26/2004	4.4	I	µg/L	0.40
01092	Zinc	Grab	N	SW6010	8/26/2004	6.4	I	µg/L	2.3
00900	Hardness, Total (as CaCO3)	Grab	N	SW6010	8/26/2004	90000	V	µg/L	35
71900	Mercury	Grab	N	SW7470	8/26/2004	0.039	I	µg/L	0.036

ORGANICS

49146	1,2-Dibromo-3-chloropropane	Grab	N	SW8011	8/30/2004	0.0041	U	µg/L	0.0041
77651	Ethylene Dibromide	Grab	N	SW8011	8/30/2004	0.0038	U	µg/L	0.0038
81552	Acetone	Grab	N	SW8260	9/3/2004	2.2	I	µg/L	2.0
34215	Acrylonitrile	Grab	N	SW8260	9/3/2004	0.90	U	µg/L	0.90
34030	Benzene	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
73085	Bromochloromethane	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
32101	Bromodichloromethane	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
32104	Bromoform	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34413	Bromomethane	Grab	N	SW8260	9/3/2004	0.80	U	µg/L	0.80
81595	2-Butanone	Grab	N	SW8260	9/3/2004	1.0	U	µg/L	1.0
77041	Carbon disulfide	Grab	N	SW8260	9/3/2004	0.20	U	µg/L	0.20
32102	Carbon tetrachloride	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34301	Chlorobenzene	Grab	N	SW8260	9/3/2004	0.20	U	µg/L	0.20
34311	Chloroethane	Grab	N	SW8260	9/3/2004	0.50	U	µg/L	0.50
32106	Chloroform	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34418	Chloromethane	Grab	N	SW8260	9/3/2004	0.50	U	µg/L	0.50
32105	Dibromochloromethane	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
77596	Dibromomethane	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
34536	1,2-Dichlorobenzene	Grab	N	SW8260	9/3/2004	1.0	U	µg/L	1.0
34571	1,4-Dichlorobenzene	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
77268	trans-1,4-Dichloro-2-butene	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
34496	1,1-Dichloroethane	Grab	N	SW8260	9/3/2004	0.50	U	µg/L	0.50

Data	*	Value exceeds Maximum Contaminant Level	I	Analyte detected below quantitation limits
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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: F04080818

Sample Number: F04080818-005

Facility WACS:	35435-006-SO	Sample Date/Time:	8/23/2004 12:50:00 PM
Well/Sampling Point WACS:	838	Report Period:	2nd Semiannual 2004
Well/Sampling Point Name:	SURF SITE 3C2	Well Purged:	YES
Classification of Groundwater:	S-III	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
34531	1,2-Dichloroethane	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
34501	1,1-Dichloroethene	Grab	N	SW8260	9/3/2004	0.60	U	µg/L	0.60
77093	cis-1,2-Dichloroethene	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34546	trans-1,2-Dichloroethene	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34541	1,2-Dichloropropane	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34704	cis-1,3-Dichloropropene	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
34699	trans-1,3-Dichloropropene	Grab	N	SW8260	9/3/2004	0.20	U	µg/L	0.20
34371	Ethylbenzene	Grab	N	SW8260	9/3/2004	0.20	U	µg/L	0.20
77103	2-Hexanone	Grab	N	SW8260	9/3/2004	1.0	U	µg/L	1.0
77424	Iodomethane	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
81596	4-Methyl-2-pentanone	Grab	N	SW8260	9/3/2004	1.0	U	µg/L	1.0
34423	Methylene chloride	Grab	N	SW8260	9/3/2004	0.90	U	µg/L	0.90
77128	Styrene	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
77562	1,1,1,2-Tetrachloroethane	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
34516	1,1,2,2-Tetrachloroethane	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34475	Tetrachloroethene	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
34010	Toluene	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
34506	1,1,1-Trichloroethane	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34511	1,1,2-Trichloroethane	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
39180	Trichloroethene	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34488	Trichlorofluoromethane	Grab	N	SW8260	9/3/2004	0.50	U	µg/L	0.50
77443	1,2,3-Trichloropropane	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
77057	Vinyl acetate	Grab	N	SW8260	9/3/2004	0.70	U	µg/L	0.70
39175	Vinyl chloride	Grab	N	SW8260	9/3/2004	0.40	U	µg/L	0.40
34020	Xylenes, Total	Grab	N	SW8260	9/3/2004	0.30	U	µg/L	0.30
SUB									
31612	Fecal Coliform (MF)	Grab	N	SM9222	8/23/2004	190		cfu/100m	10

Data Qualifier Code Key:

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Q Holding times for preparation or analysis exceeded	S Spike Recovery outside accepted recovery limits
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