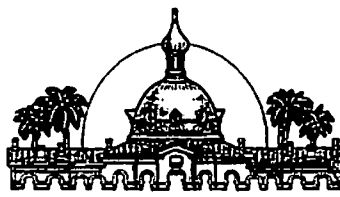


BOARD OF COUNTY COMMISSIONERS

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Office of the County Administrator
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D.E.P.

APR 16 2003

Southwest District Tampa

Deputy County Administrator
Patricia Bean

Assistant County Administrators
Kathy C. Harris
Edwin J. Hunzeker

April 16, 2003

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, Owners Form, February 2003**

Dear Mr. Morris:

The required Owners Form, DEP Form 62-522.600(11), for the Southeast County Landfill (SELF) was inadvertently not delivered with the Analytical Data Report (ADR) for February, 2003. The signed form is enclosed, please attach it to the previously submitted SELF ADR for February, 2003.

Should you have any questions or require any additional information, please feel free to contact me directly at (813) 276-2944.

Sincerely,

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

DSA/jc

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 <u>Ground Water Monitoring Report</u>
Effective Date _____
DEP Application No. D.E.P.
APR 16 2003
Southwest District Tampa

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

- (1) Facility Name SOUTHEAST LANDFILL WACS ID No.: SWD/29/41193
- 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-S0
- (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: 4/15/03 [Signature]
Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP # N/A

Analytical Lab Comp QAP # /HRS Certification # 83160

*Comp QAP # /HRS Certification #

Lab Name ELAB, INC.

Address 8 E TOWER CIRCLE, ORMOND BEACH FL 32174

Phone Number (386) 672-5668

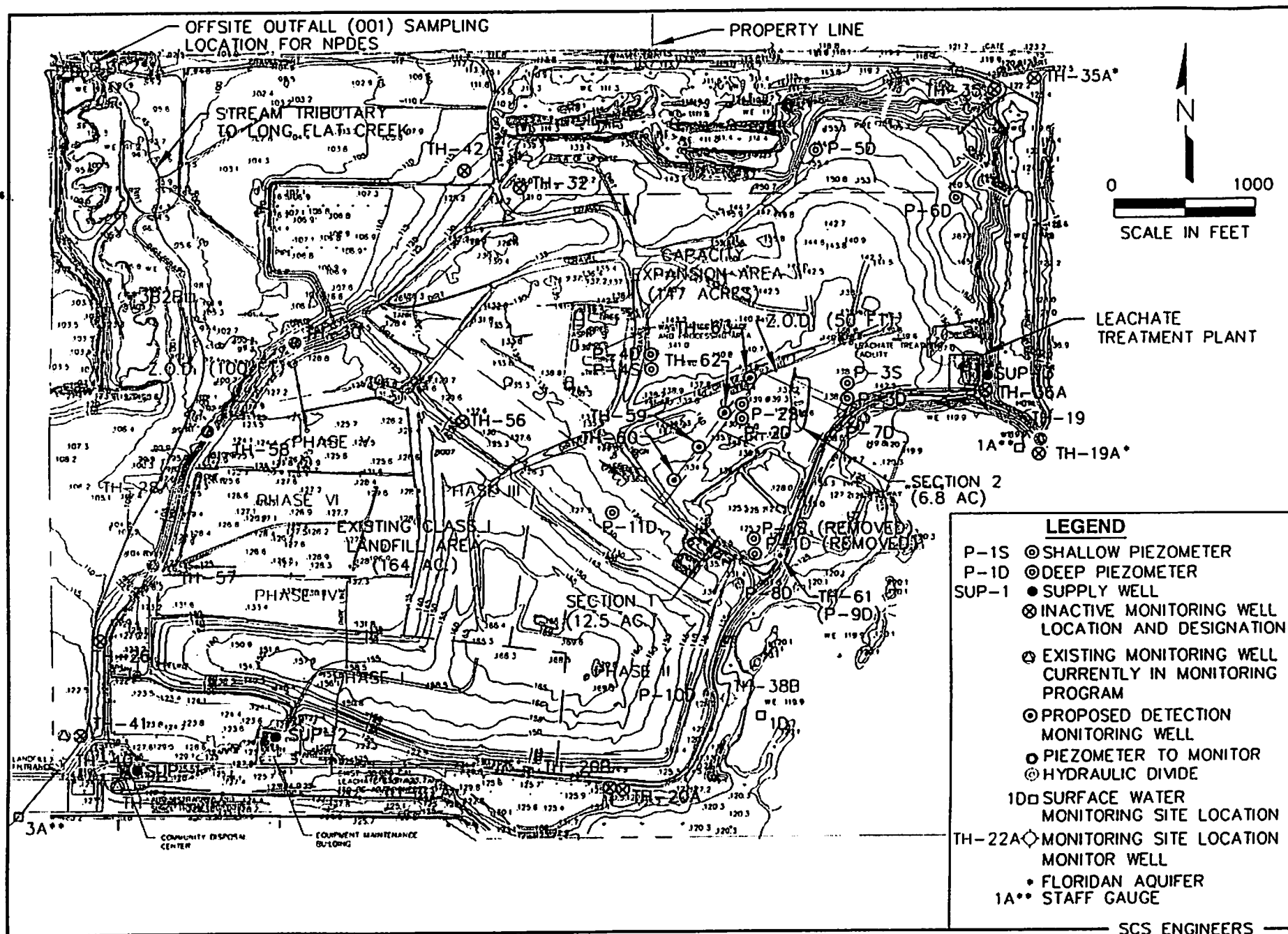


Figure 2-1. Location of Monitoring Wells, Piezometers, and Surface Water Sampling Points.

Analytical Results from Groundwater Monitoring Wells Located at the Southeast Landfill February 18 2003

GENERAL (mg/l)	Floridan Aquifer		Surficial Aquifer Wells						(MCL) STANDARD
PARAMETERS	TH-19	TH-40	TH-22A	TH-28A	TH-30	TH-38B	TH-57	TH-58	F.A.C. 62-550
well type	Background	Detection	Background	Detection	Detection	Background	Detection	Detection	NA
conductivity (umhos/cm) (field)	433	354	292	266	195	89	167	411	NS
pH (field)	7.14	6.99	4.72	5.3	4.83	5.33	5.33	5.78	(6.5 - 8.5)**
total dissolved solids (mg/l)	240	220	160	170	120	64	100	250	500**
temperature (°C) (field)	23.3	23.3	20	24	23	20.1	25.5	24.1	NS
turbidity (NTU) (field)	3.6	0.3	119.2	32.7	12.6	41.5	4.6	1.5	NS
chloride (mg/l)	8.2	8.3	31	45	17	4	20	27	250**
ammonia nitrogen (mg/l as N)	0.44	0.52	0.94	3.00	2.00	1.50	1.90	1.30	NS
nitrate (mg/l as N)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	10*
dissolved oxygen (mg/l) (field)	0.68	1.92	1.21	1.74	0.24	0.42	0.72	1.72	NS
Metals: (mg/l)	TH-19	TH-40	TH-22	TH-28	TH-30	TH-38A	TH-57	TH-58	(MCL) STANDARD
iron	BDL	BDL	1.20	3.70	0.24	2.60	0.56	7.30	F.A.C. 62-550 0.3**
cadmium	BDL	0.001	BDL	BDL	BDL	BDL	BDL	BDL	0.005*
chromium	BDL	BDL	0.022	0.0056	BDL	0.0056	BDL	BDL	0.2
copper	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1**
barium	BDL	BDL	0.170	0.018	0.018	0.047	BDL	0.011	2*
arsenic	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.029	0.05*
lead	BDL	BDL	0.0078	BDL	BDL	BDL	BDL	BDL	0.015*
sodium	15	16	7.2	14	10	4.5	9.6	11	160*
mercury	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.002
vanadium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	49***
zinc	BDL	BDL	0.024	BDL	BDL	BDL	BDL	BDL	5**
Organics: (µg/l)	TH-19	TH-40	TH-22	TH-28	TH-30	TH-38A	TH-57	TH-58	(MCL) STANDARD
E.P.A. Methods 8260	TH-19	TH-40	TH-22	TH-28	TH-30	TH-38A	TH-57	TH-58	F.A.C. 62-550
Organic Parameters Detected	BDL	BDL	BDL	BDL	1.4	BDL	BDL	BDL	700***
1,1-dichloroethane	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7*
1,1-dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
NOTE: Reference Groundwater Guidance Concentrations, FDEP June 1994									
NS= NO STANDARD									
MCL= MAXIMUM CONTAMINANT LEVEL									
BDL= BELOW DETECTION LIMIT									
ND= NO SURVEY DATA AVAILABLE									
*= DENOTES PRIMARY DRINKING WATER STANDARD									
**= DENOTES SECONDARY DRINKING WATER STANDARD									
***= STANDARDS, OR FLORIDA GUIDANCE CONCENTRATION MCL (shaded and bold)									
4.72: EXCEEDS STANDARDS									
NTU= NEPHELOMETRIC TURBIDITY UNITS									
µg/l= MICROGRAMS PER LITER									
mg/l= MILLIGRAMS PER LITER									
NGVD National Geodetic Vertical Datum									
(-) indicates that the sample was not analyzed for this parameter									

Analytical Results from Surface Water Samples Collected at Southeast Landfill February 19, 2003

GENERAL					(MCL) STANDARD
PARAMETERS	3A	1-D	3B2B	3C2	F.A.C. 62-302
conductivity (umhos/cm) (field)	340	221	286	242	1275
pH (field)	5.44	7.02	7.27	7.31	(6.5 - 8.5)
total dissolved solids (mg/l)	200	140	160	140	NS
total suspended solids (mg/l)	5.5	5.5	5.5	BDL	NS
temperature (°C) in field	13.9	16.8	13.3	13.2	NS
turbidity (field) (NTU)	1.7	7.6	3.7	4.7	29
nitrate (mg/l)	0.84	BDL	0.47	0.31	NS
dissolved oxygen (mg/l) (field)	3.5	2.34	5.06	7.86	Must Be > OR=5.0
total phosphorous (mg/l)	BDL	2.2	0.18	0.6	NS
biochem. oxygen demand (mg/l)	BDL	BDL	BDL	BDL	NS
chemical oxygen demand (mg/l)	25	63	26	55	NS
total organic carbon (mg/l as C)	5.8	18	7.9	11	NS
chlorophyll-A (MG/M3)	BDL	16	BDL	3.2	NS
total hardness (mg/l as CaCO)	93	74	79	75	NS
fecal coliform (Col/100ml)	390	170	560	470	800
					(MCL) STANDARD
Metals: (mg/l)	3A	1-D	3B2B	3C2	F.A.C. 62-302
iron	0.180	0.09	0.190	0.250	1
copper	0.0012	BDL	0.0011	0.0018	**
barium	0.028	BDL	0.017	0.012	NS
beryllium	BDL	BDL	BDL	BDL	1.3
lead	BDL	BDL	BDL	BDL	*****
vanadium	BDL	BDL	BDL	BDL	NS
chromium	BDL	BDL	BDL	BDL	***
nickel	BDL	BDL	BDL	BDL	****
zinc	BDL	BDL	BDL	BDL	*=105.99
cadmium	BDL	BDL	BDL	BDL	*****
mercury	BDL	BDL	BDL	BDL	0.000012
NOTE: Water Levels taken on August 17, 1998					
NOTE: Referenced, Surface Water Quality Standards Title 62 Chapter 62-302, Class III: Fresh					
NS= NO STANDARD					
MCL= MAXIMUM CONTAMINANT LEVEL					
1A-1E= SMITH LAKE COMPOSITE SAMPLE					
S.L. 1-A= SMITH LAKE SAMPLE 1-A					
BDL= BELOW DETECTION LIMIT					
*= $Zn < \text{or } = e(0.8473[\ln H] + 0.7614)$, note: H=Hardness, for 3A standard is 105.99					
**= $Cu < \text{or } = e(0.8545[\ln H] - 1.465)$					
***= $Cr < \text{or } = e(0.819[\ln H] + 1.561)$					
****= $Ni < \text{or } = e(0.846[\ln H] + 1.1645)$					
*****= $Pb < \text{or } = e(1.273[\ln H] - 4.705)$					
*****= $Ca < \text{or } = e(0.7852[\ln H] - 3.49)$					
5.44: EXCEEDS TITLE 62 CHAPTER 62-302 SURFACE WATER QUALITY STANDARDS					
NTU= NEPHELOMETRIC TURBIDITY UNITS					
µg/l= MICROGRAMS PER LITER					
mg/l= MILLIGRAMS PER LITER					
NOTE: (-) indicates that the sample was not analyzed for this parameter					
TNT= TO NUMEROUS TO COUNT					
NGVD: National Geodetic Vertical Datum					

Analytical Results from Private Well Samples at the Southeast Landfill February 17, 2003

GENERAL (mg/l)	Private Wells				(MCL) STANDARD
PARAMETERS	Weeks	Holland	McBride	Barnes	F.A.C. 62-550
conductivity (umhos/cm) (field)	537	404	346	392	NS
pH (field)	7.07	6.99	7.47	7.31	(6.5 - 8.5)**
total dissolved solids (mg/l)	300	220	200	210	500**
temperature (°C) (field)	23	23.7	23.1	23.1	NS
turbidity (NTU) (field)	1.80	1.60	1.70	0.90	NS
chloride (mg/l)	26	21	7.6	8.9	250**
ammonia nitrogen (mg/l as N)	0.32	0.15	0.56	0.34	NS
nitrate (mg/l as N)	BDL	BDL	BDL	BDL	10*
dissolved oxygen (mg/l) (field)	3.34	1.3	1.46	3.76	NS
total alpha (pCi/l)	8.5	0.9	2.9	2.9	15*
radium 226 (pCi/l)	7.200	NA	NA	NA	5*
Metals: (mg/l)	Private Wells				(MCL) STANDARD
	Weeks	Holland	McBride	Barnes	F.A.C. 62-550
iron	0.500	1.500	BDL	BDL	0.3**
chromium	BDL	BDL	BDL	BDL	0.2
copper	BDL	BDL	BDL	BDL	1**
barium	BDL	BDL	BDL	BDL	2*
arsenic	BDL	BDL	BDL	BDL	0.05*
lead	BDL	BDL	BDL	BDL	0.015*
sodium	8.8	5.5	8.7	16	160*
mercury	BDL	BDL	BDL	BDL	0.002
zinc	0.110	0.077	BDL	0.120	5**
Organics: (µg/l)	Private Wells				(MCL) STANDARD
E.P.A. Methods 8260	Weeks	Holland	McBride	Barnes	F.A.C. 62-550
Organic Parameters Detected					
1,1-dichloroethene	BDL	BDL	BDL	BDL	7*
Notes: Reference Groundwater Guidance Concentrations, FDEP June 1994					
NS=NO STANDARD					
MCL=MAXIMUM CONTAMINANT LEVEL					
BDL=BELOW DETECTION LIMIT					
NA=NOT AVAILABLE					
*=DENOTES PRIMARY DRINKING WATER STANDARD					
**=DENOTES SECONDARY DRINKING WATER STANDARD					
7.2 EXCEEDS STANDARDS					
NTU=NEPHELOMETRIC TURBIDITY UNITS					
pCi/l=PICOCURIES PER LITER					
ug/l=MICROGRAMS PER LITER					
mg/l=MILLIGRAMS PER LITER					
(-)=indicates that the sample was not analyzed for this parameter					

Summary of Analytical Constituents Detected in Leachate Sump A

February 17, 2003

GENERAL (mg/l)	
PARAMETERS	LEACHATE SUMP A
conductivity (umhos/cm) (field)	11540
pH (field)	6.93
total dissolved solids (mg/l)	5600
temperature (°C) (field)	30.6
chloride (mg/l)	1400
ammonia nitrogen (mg/l as N)	250
nitrate (mg/l as N)	BDL
dissolved oxygen (mg/l) (field)	0.46
sulfide (mg/l)	34
Metals: (mg/l)	LEACHATE SUMP A
iron	14
chromium	0.0074
copper	BDL
barium	0.03
arsenic	BDL
lead	BDL
mercury	BDL
vanadium	0.018
nickel	0.048
sodium	1800
zinc	BDL
Organics: (µg/l)	
E.P.A. Methods 8260	
Organic Parameters Detected	LEACHATE SUMP A
1,4-dichlorobenzene	BDL
acetone	BDL
acrolein	BDL
benzene	2.7
chloroethane	BDL
cis-1,2-Dichloroethene	1.3
chlorobenzene	2.8
ethylbenzene	21
xylene	44
vinyl chloride	BDL
naphthalene	8.1
toluene	7
toluidine	BDL
BDL=BELOW DETECTION LIMIT	
NTU=NEPHELOMETRIC TURBIDITY UNITS	
µg/l=MICROGRAMS PER LITER	
mg/l=MILLIGRAMS PER LITER	

Prepared by: Jim Claytor
QC'd by: Mike Townsler
Final QC by: David Adams

SELF2.2003

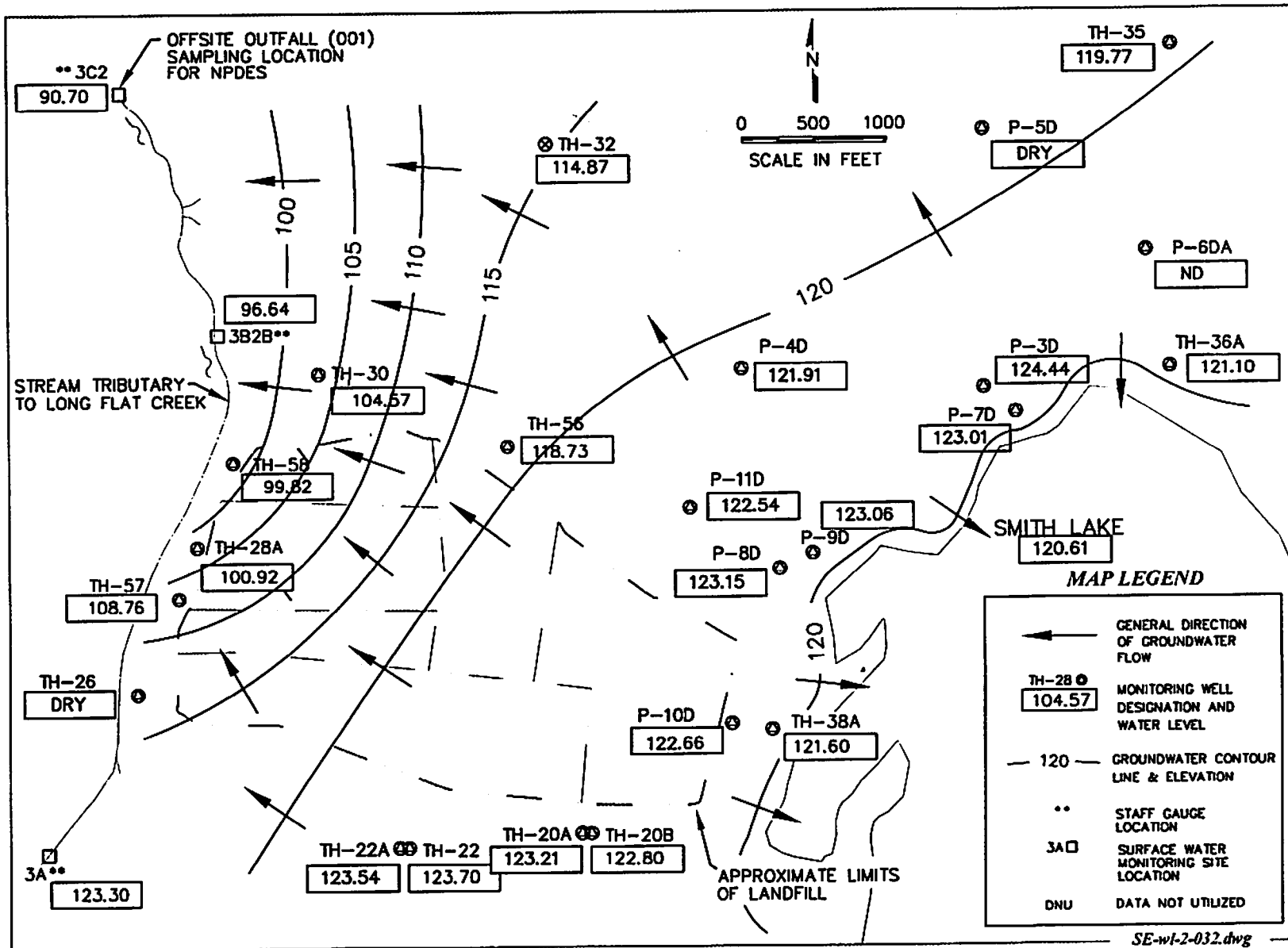
Groundwater and Surface Water Elevation For Southeast County Landfill

February 17, 2003

Measuring Point I.D.	T.O.C. Elevations (NGVD)	2/17/03	
		W.L. B.T.O.C.	W.L. (NGVD)
P-3D	143.19	18.75	124.44
P-3S	143.20	8.24	134.96
P-4D	141.80	19.89	121.91
P-4S	141.98	5.24	136.74
P-5D	152.93	Dry	Dry
P-6D-A	147.41	ND	ND
P-7D	138.18	15.17	123.01
P-8D	138.72	15.57	123.15
P-9D	138.25	15.19	123.06
P-10D	130.06	7.40	122.66
P-11D	137.28	14.74	122.54
TH-19*	130.05	97.67	32.38
TH-19A	128.93	97.16	31.77
TH-20A	131.86	8.65	123.21
TH-20B	132.57	9.77	122.80
TH-22	128.82	5.12	123.70
TH-22A	129.26	5.72	123.54
TH-24	128.23	5.23	123.00
TH-26	Dry	Dry	Dry
TH-28A	128.46	27.54	100.92
TH-30	128.37	23.80	104.57
TH-32	129.25	14.38	114.87
TH-35	145.19	25.42	119.77
TH-35A	125.30	93.58	31.72
TH-36A	152.70	31.60	121.10
TH-38A	131.20	8.51	122.69
TH-38B	131.61	9.52	122.09
TH-40*	124.77	94.30	30.47
TH-41	125.00	97.53	27.47
TH-42	116.74	70.64	46.10
TH-56	131.69	12.96	118.73
TH-57	128.09	19.33	108.76
TH-58	127.67	27.85	99.82
SW-3A	3.0'=125.2'	1.10	123.30
SW-3B2B	3.0'=98.06'	1.58	96.64
SW-3C2	6.0'=95.10'	1.60	90.70
1-D Smith Lake	6.0'=124.73'	3.20	120.61
NGVD = National Geodetic Vertical Datum			
T.O.C. = Top of Casing			
B.T.O.C. = Below Top of Casing			
* = Floridan Well			
** = To be surveyed in			
ND = No Data			
W.L. = Water Level			

Southeast Landfill Water Level Data		
Measuring		Date: 2-17-03
Point		W.L.
I.D.		B.T.O.C.
P-3D		18.75'
P-3S		8.84'
P-4D		19.89'
P-4S		5.24'
P-5D		DRY
P-7D		15.17'
P-8D		15.57'
P-9D	(TH-61)	15.19'
P-10D		7.40'
P-11D		14.74'
TH-19*		97.67'
TH-19A		97.16'
TH-20A		8.65'
TH-20B		9.77'
TH-22		5.12'
TH-22A		5.72'
TH-24		5.23'
TH-26		DRY
TH-28		LOPE
TH-28A		27.54'
TH-30		23.80'
TH-32		14.38'
TH-35		25.42'
TH-35A		93.58'
TH-36A		31.60'
TH-38A		8.51'
TH38-B		9.52'
TH-40*		94.30'
TH-41		97.53'
TH-42		70.64'
TH-56		12.96'
TH-57		19.33'
TH-58		27.85'
SW-3A		1.10'
SW-3B2B		1.58'
SW-3C2		1.60'
Smith Late (1-D)		3.20'

SOUTHEAST COUNTY LANDFILL



**Surficial Aquifer Groundwater Elevation and Contour Diagram
Southeast County Landfill, Hillsborough County, Florida.
February 17, 2003**

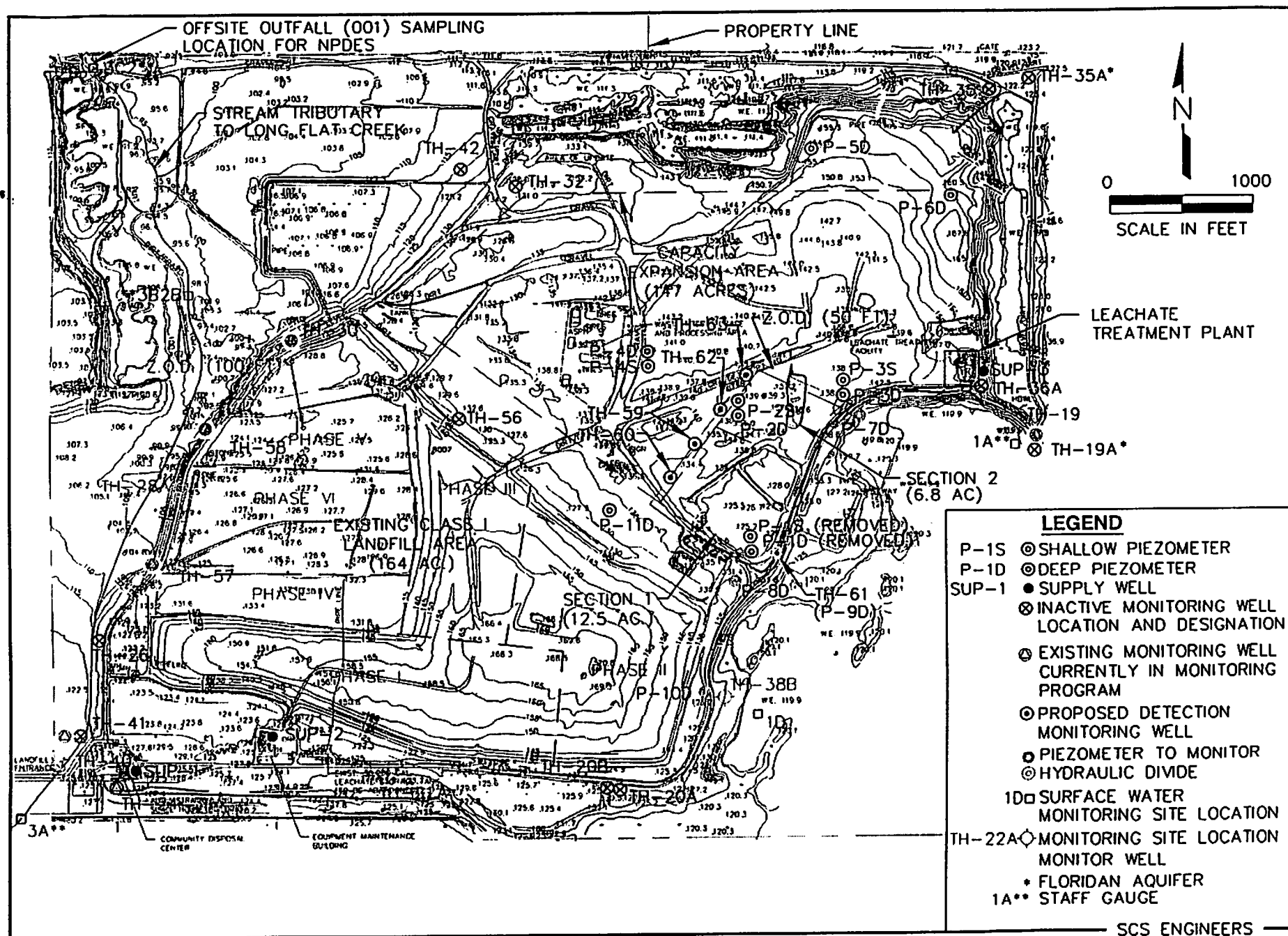


Figure 2-1. Location of Monitoring Wells, Piezometers, and Surface Water Sampling Points.

Analytical Results from Groundwater Monitoring Wells Located at the Southeast Landfill February 18 2003

GENERAL (mg/l)	Floridan Aquifer		Surficial Aquifer Wells						(MCL) STANDARD
PARAMETERS	TH-19	TH-40	TH-22A	TH-28A	TH-30	TH-38B	TH-57	TH-58	F.A.C. 62-550
well type	Background	Detection	Background	Detection	Detection	Background	Detection	Detection	NA
conductivity (umhos/cm) (field)	433	354	292	266	195	89	167	411	NS
pH (field)	7.14	6.99	4.72	5.3	4.83	5.33	5.33	6.78	(6.5 - 8.5)**
total dissolved solids (mg/l)	240	220	160	170	120	64	100	250	500**
temperature (°C) (field)	23.3	23.3	20	24	23	20.1	25.5	24.1	NS
turbidity (NTU) (field)	3.6	0.3	119.2	32.7	12.6	41.5	4.6	1.5	NS
chloride (mg/l)	8.2	8.3	31	45	17	4	20	27	250**
ammonia nitrogen (mg/l as N)	0.44	0.52	0.94	3.00	2.00	1.50	1.90	1.30	NS
nitrate (mg/l as N)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	10*
dissolved oxygen (mg/l) (field)	0.68	1.92	1.21	1.74	0.24	0.42	0.72	1.72	NS
Metals: (mg/l)	Floridan Aquifer		Surficial Aquifer Wells						(MCL) STANDARD
	TH-19	TH-40	TH-22	TH-28	TH-30	TH-38A	TH-57	TH-58	F.A.C. 62-550
iron	BDL	BDL	1.20	3.70	0.24	2.60	0.56	7.30	0.3**
cadmium	BDL	0.001	BDL	BDL	BDL	BDL	BDL	BDL	0.005*
chromium	BDL	BDL	0.022	0.0056	BDL	0.0056	BDL	BDL	0.2
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vanadium	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	49***
zinc	BDL	BDL	0.024	BDL	BDL	BDL	BDL	BDL	5**
Organics: (µg/l)	Floridan Aquifer		Surficial Aquifer Wells						(MCL) STANDARD
E.P.A. Methods 8260	TH-19	TH-40	TH-22	TH-28	TH-30	TH-38A	TH-57	TH-58	F.A.C. 62-550
Organic Parameters Detected	BDL	BDL	BDL	BDL	1.4	BDL	BDL	BDL	700***
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1,1-dichloroethene	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
NOTE: Reference Groundwater Guidance Concentrations, FDEP June 1994									
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(-) indicates that the sample was not analyzed for this parameter									

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pH (field)	5.44	7.02	7.27	7.31	(6.5 - 8.5)
total dissolved solids (mg/l)	200	140	160	140	NS
total suspended solids (mg/l)	5.5	5.5	5.5	BDL	NS
temperature (°C) in field	13.9	16.8	13.3	13.2	NS
turbidity (field) (NTU)	1.7	7.6	3.7	4.7	29
nitrate (mg/l)	0.84	BDL	0.47	0.31	NS
dissolved oxygen (mg/l) (field)	3.6	2.34	5.06	7.86	Must Be > OR=5.0
total phosphorous (mg/l)	BDL	2.2	0.18	0.6	NS
biochem. oxygen demand (mg/l)	BDL	BDL	BDL	BDL	NS
chemical oxygen demand (mg/l)	25	63	26	55	NS
total organic carbon (mg/l as C)	5.8	18	7.9	11	NS
chlorophyll-A (MG/M3)	BDL	16	BDL	3.2	NS
total hardness (mg/l as CaCO)	93	74	79	75	NS
fecal coliform (Col/100ml)	390	170	560	470	800
					(MCL) STANDARD
Metals: (mg/l)	3A	1-D	3B2B	3C2	F.A.C. 62-302
iron	0.180	0.09	0.190	0.250	1
copper	0.0012	BDL	0.0011	0.0018	**
barium	0.028	BDL	0.017	0.012	NS
beryllium	BDL	BDL	BDL	BDL	1.3
lead	BDL	BDL	BDL	BDL	*****
vanadium	BDL	BDL	BDL	BDL	NS
chromium	BDL	BDL	BDL	BDL	***
nickel	BDL	BDL	BDL	BDL	****
zinc	BDL	BDL	BDL	BDL	*=105.99
cadmium	BDL	BDL	BDL	BDL	*****
mercury	BDL	BDL	BDL	BDL	0.000012
NOTE: Water Levels taken on August 17, 1998					
NOTE: Referenced, Surface Water Quality Standards Title 62 Chapter 62-302, Class III: Fresh					
NS= NO STANDARD					
MCL= MAXIMUM CONTAMINANT LEVEL					
1A-1E= SMITH LAKE COMPOSITE SAMPLE					
S.L. 1-A= SMITH LAKE SAMPLE 1-A					
BDL= BELOW DETECTION LIMIT					
*= $Zn < \text{or} = e(0.8473[\ln H] + 0.7614)$, note: H=Hardness, for 3A standard is 105.99					
**= $Cu < \text{or} = e(0.8545[\ln H] - 1.465)$					
***= $Cr < \text{or} = e(0.819[\ln H] + 1.561)$					
****= $Ni < \text{or} = e(0.846[\ln H] + 1.1645)$					
*****= $Pb < \text{or} = e(1.273[\ln H] - 4.705)$					
*****= $Ca < \text{or} = e(0.7852[\ln H] - 3.49)$					
5.44: EXCEEDS TITLE 62 CHAPTER 62-302 SURFACE WATER QUALITY STANDARDS					
NTU= NEPHELOMETRIC TURBIDITY UNITS					
µg/l= MICROGRAMS PER LITER					
mg/l= MILLIGRAMS PER LITER					
NOTE: (-) indicates that the sample was not analyzed for this parameter					
TNT= TO NUMERIOUS TO COUNT					
NGVD: National Geodetic Vertical Datum					

Analytical Results from Private Well Samples at the Southeast Landfill February 17, 2003

GENERAL (mg/l)	Private Wells				(MCL) STANDARD
PARAMETERS	Weeks	Holland	McBride	Barnes	F.A.C. 62-550
conductivity (umhos/cm) (field)	537	404	346	392	NS
pH (field)	7.07	6.99	7.47	7.31	(6.5 - 8.5)**
total dissolved solids (mg/l)	300	220	200	210	500**
temperature (°C) (field)	23	23.7	23.1	23.1	NS
turbidity (NTU) (field)	1.80	1.60	1.70	0.90	NS
chloride (mg/l)	26	21	7.6	8.9	250**
ammonia nitrogen (mg/l as N)	0.32	0.15	0.56	0.34	NS
nitrate (mg/l as N)	BDL	BDL	BDL	BDL	10*
dissolved oxygen (mg/l) (field)	3.34	1.3	1.46	3.76	NS
total alpha (pCi/l)	8.5	0.9	2.9	2.9	15*
radium 226 (pCi/l)	7.200	NA	NA	NA	5*
Metals: (mg/l)	Private Wells				(MCL) STANDARD
	Weeks	Holland	McBride	Barnes	F.A.C. 62-550
iron	0.500	1.500	BDL	BDL	0.3**
chromium	BDL	BDL	BDL	BDL	0.2
copper	BDL	BDL	BDL	BDL	1**
barium	BDL	BDL	BDL	BDL	2*
arsenic	BDL	BDL	BDL	BDL	0.05*
lead	BDL	BDL	BDL	BDL	0.015*
sodium	8.8	5.5	8.7	16	160*
mercury	BDL	BDL	BDL	BDL	0.002
zinc	0.110	0.077	BDL	0.120	5**
Organics: (µg/l)	Private Wells				(MCL) STANDARD
E.P.A. Methods 8260	Weeks	Holland	McBride	Barnes	F.A.C. 62-550
Organic Parameters Detected					
1,1-dichloroethene	BDL	BDL	BDL	BDL	7*
Notes: Reference Groundwater Guidance Concentrations, FDEP June 1994					
NS=NO STANDARD					
MCL=MAXIMUM CONTAMINANT LEVEL					
BDL=BELOW DETECTION LIMIT					
NA=NOT AVAILABLE					
*=DENOTES PRIMARY DRINKING WATER STANDARD					
**=DENOTES SECONDARY DRINKING WATER STANDARD					
7.2 EXCEEDS STANDARDS					
NTU=NEPHELOMETRIC TURBIDITY UNITS					
pCi/l=PICOCURIES PER LITER					
ug/l=MICROGRAMS PER LITER					
mg/l=MILLIGRAMS PER LITER					
(-)=indicates that the sample was not analyzed for this parameter					

Summary of Analytical Constituents Detected in Leachate Sump A

February 17, 2003

GENERAL (mg/l)	
PARAMETERS	LEACHATE SUMP A
conductivity (umhos/cm) (field)	11540
pH (field)	6.93
total dissolved solids (mg/l)	5600
temperature (°C) (field)	30.6
chloride (mg/l)	1400
ammonia nitrogen (mg/l as N)	250
nitrate (mg/l as N)	BDL
dissolved oxygen (mg/l) (field)	0.46
sulfide (mg/l)	34
Metals: (mg/l)	LEACHATE SUMP A
iron	14
chromium	0.0074
copper	BDL
barium	0.03
arsenic	BDL
lead	BDL
mercury	BDL
vanadium	0.018
nickel	0.048
sodium	1800
zinc	BDL
Organics: (µg/l)	
E.P.A. Methods 8260	
Organic Parameters Detected	LEACHATE SUMP A
1,4-dichlorobenzene	BDL
acetone	BDL
acrolein	BDL
benzene	2.7
chloroethane	BDL
cis-1,2-Dichloroethene	1.3
chlorobenzene	2.8
ethylbenzene	21
xlenes	44
vinyl chloride	BDL
naphthalene	8.1
toluene	7
toluidine	BDL
BDL=BELOW DETECTION LIMIT	
NTU=NEPHELOMETRIC TURBIDITY UNITS	
µg/l=MICROGRAMS PER LITER	
mg/l=MILLIGRAMS PER LITER	

Prepared by: Jim Claytor
QC'd by: Mike Townsend
Final QC by: David Adams

SELF2.2003

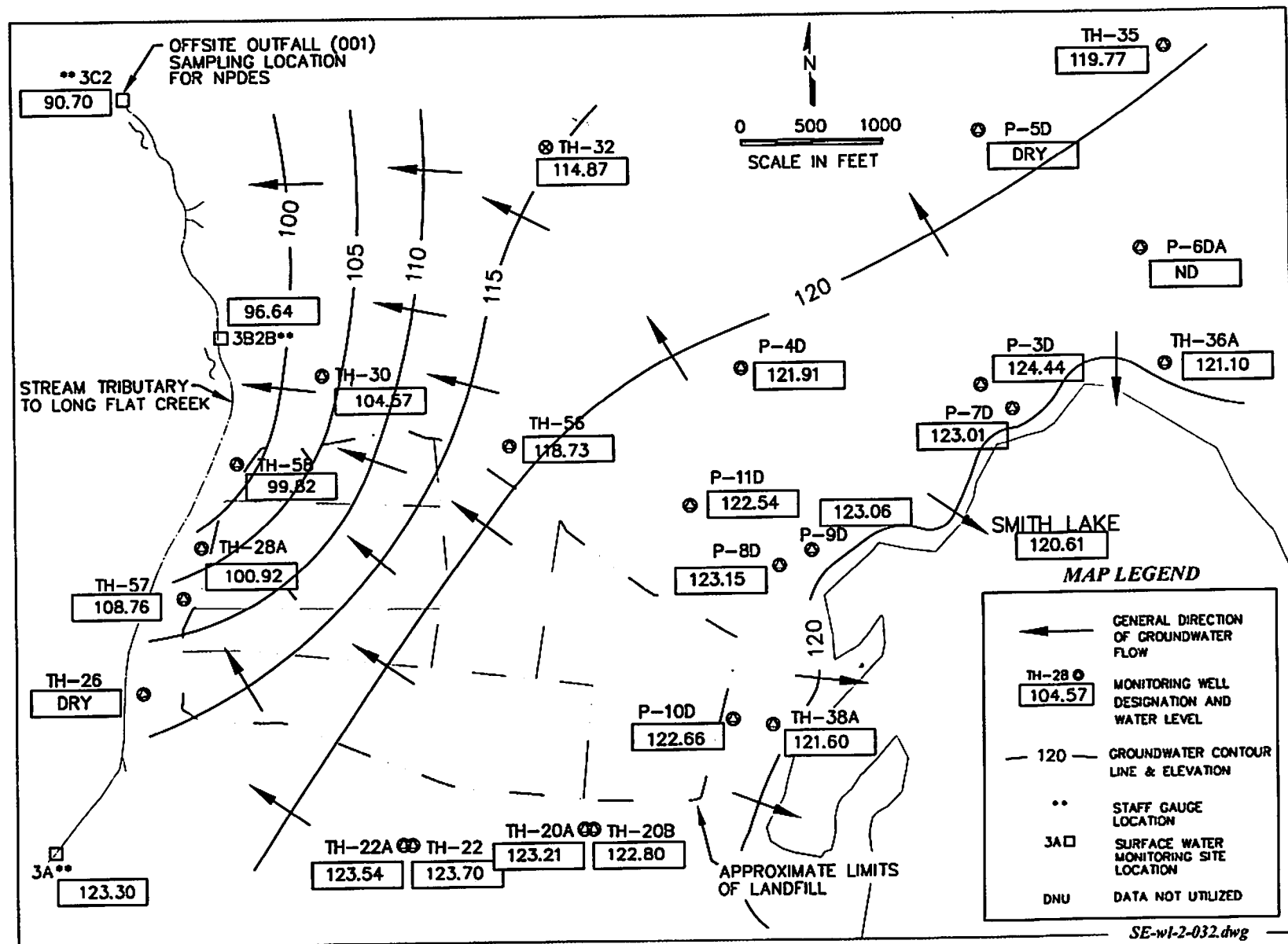
Groundwater and Surface Water Elevation For Southeast County Landfill

February 17, 2003

Measuring Point I.D.	T.O.C. Elevations (NGVD)	2/17/03	
		W.L. B.T.O.C.	W.L. (NGVD)
P-3D	143.19	18.75	124.44
P-3S	143.20	8.24	134.96
P-4D	141.80	19.89	121.91
P-4S	141.98	5.24	136.74
P-5D	152.93	Dry	Dry
P-6D-A	147.41	ND	ND
P-7D	138.18	15.17	123.01
P-8D	138.72	15.57	123.15
P-9D	138.25	15.19	123.06
P-10D	130.06	7.40	122.66
P-11D	137.28	14.74	122.54
TH-19*	130.05	97.67	32.38
TH-19A	128.93	97.16	31.77
TH-20A	131.86	8.65	123.21
TH-20B	132.57	9.77	122.80
TH-22	128.82	5.12	123.70
TH-22A	129.26	5.72	123.54
TH-24	128.23	5.23	123.00
TH-26	Dry	Dry	Dry
TH-28A	128.46	27.54	100.92
TH-30	128.37	23.80	104.57
TH-32	129.25	14.38	114.87
TH-35	145.19	25.42	119.77
TH-35A	125.30	93.58	31.72
TH-36A	152.70	31.60	121.10
TH-38A	131.20	8.51	122.69
TH-38B	131.61	9.52	122.09
TH-40*	124.77	94.30	30.47
TH-41	125.00	97.53	27.47
TH-42	116.74	70.64	46.10
TH-56	131.69	12.96	118.73
TH-57	128.09	19.33	108.76
TH-58	127.67	27.85	99.82
SW-3A	3.0'=125.2'	1.10	123.30
SW-3B2B	3.0'=98.06'	1.58	96.64
SW-3C2	6.0'=95.10'	1.60	90.70
1-D Smith Lake	6.0'=124.73'	3.20	120.61
NGVD = National Geodetic Vertical Datum			
T.O.C. = Top of Casing			
B.T.O.C. = Below Top of Casing			
* = Floridan Well			
** = To be surveyed in			
ND = No Data			
W.L. = Water Level			

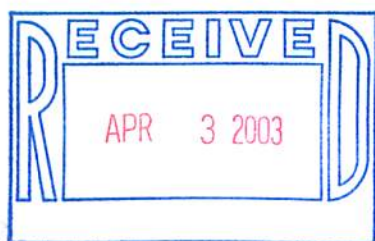
Southeast Landfill Water Level Data		
Measuring		Date: 2-17-03
Point		W.L.
I.D.		B.T.O.C.
P-3D		18.75'
P-3S		8.84'
P-4D		19.89'
P-4S		5.24'
P-5D		DRY
P-7D		15.17'
P-8D		15.57'
P-9D	(TH-61)	15.19'
P-10D		7.40'
P-11D		14.74'
TH-19*		92.67'
TH-19A		92.16'
TH-20A		8.65'
TH-20B		9.77'
TH-22		5.12'
TH-22A		5.72'
TH-24		5.23'
TH-26		DRY
TH-28		COPE
TH-28A		27.54'
TH-30		23.80'
TH-32		14.38'
TH-35		25.42'
TH-35A		93.58'
TH-36A		31.60'
TH-38A		8.51'
TH38-B		9.52'
TH-40*		94.30'
TH-41		97.53'
TH-42		70.64'
TH-56		12.96'
TH-57		19.33'
TH-58		27.85'
SW-3A		1.10'
SW-3B2B		1.58'
SW-3C2		1.60'
Smith Late (1-D)		3.20'

SOUTHEAST COUNTY LANDFILL



SE-wl-2-032.dwg

Surficial Aquifer Groundwater Elevation and Contour Diagram
Southeast County Landfill, Hillsborough County, Florida.
February 17, 2003

**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: F03020532**Sample Number:** F03020532-002

Facility WACS:	Southeast Landfill	Sample Date/Time:	2/19/03 7:25:00 AM
Well/Sampling Point WACS:	Smith Lake - 1D	Report Period:	February 2003
Well/Sampling Point Name:	Smith Lake - 1D	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	Units	Detection Limits
FIELD								
00094	Conductivity	Grab	N	E120.1	2/19/03	221	umhos/c	
00406	pH	Grab	N	E150.1	2/19/03	7.02	S.U.	
00010	Temperature	Grab	N	E170.1	2/19/03	16.8	deg C	
82078	Turbidity	Grab	N	E180.1	2/19/03	7.6	NTU	
00299	Dissolved Oxygen	Grab	N	E360.1	2/19/03	2.34	mg/L	
	Water Level	Grab	N	NA	2/19/03	3.12	ft	
INORGANICS								
00095	Conductance, Specific	Grab	N	E120.1	2/20/03	238	umhos/c	
00403	pH	Grab	N	E150.1	2/20/03	6.14	pH units	
70300	Solids, Total Dissolved	Grab	N	E160.1	2/24/03	140	mg/L	5.0
00530	Solids, Suspended (Residue, Non-	Grab	N	E160.2	2/21/03	5.5	mg/L	5.0
00940	Chloride	Grab	N	E300.0	2/20/03	18	mg/L	0.50
00620	Nitrogen, Nitrate	Grab	N	E300.0	2/20/03	ND	mg/L	0.050
00625	Nitrogen, Kjeldahl, Total	Grab	N	E351.2	2/27/03	1.4	mg/L	0.50
00630	Nitrogen, Nitrate-Nitrite	Grab	N	E353.2	2/21/03	0.52	mg/L	0.050
00665	Phosphorus, Total (as P)	Grab	N	E365.4	2/27/03	2.2	mg/L	0.10
00340	Chemical Oxygen Demand	Grab	N	E410.4	2/25/03	63	mg/L	10
00680	Organic Carbon, Total	Grab	N	E415.1	2/26/03	18	mg/L	2.0
00612	Nitrogen, Ammonia (Unionized)	Grab	N	FL-DEP	2/21/03	ND	mg/L	0.050
32211	Chlorophyll a	Grab	N	SM10200	3/4/03	16	mg/m ³	1.0
00600	Nitrogen, Total	Grab	N	SM4500-	2/27/03	1.9	mg/L	0.050
	Carbonaceous BOD	Grab	N	SM5210	2/26/03	ND	mg/L	6.0
METALS								
01097	Antimony	Grab	N	SW6010	2/27/03	ND	ug/L	10
01002	Arsenic	Grab	N	SW6010	2/28/03	ND	ug/L	10
01007	Barium	Grab	N	SW6010	2/27/03	ND	ug/L	10
01012	Beryllium	Grab	N	SW6010	2/27/03	ND	ug/L	1.0
01027	Cadmium	Grab	N	SW6010	2/27/03	ND	ug/L	1.0
01034	Chromium	Grab	N	SW6010	2/27/03	ND	ug/L	5.0
01037	Cobalt	Grab	N	SW6010	2/27/03	ND	ug/L	10
01042	Copper	Grab	N	SW6010	2/27/03	ND	ug/L	5.0

Qualifiers: ND - The analyte was analyzed for but not detected above the reported sample quantitation limit



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: F03020532

Sample Number: F03020532-002

Facility WACS:	Southeast Landfill	Sample Date/Time:	2/19/03 7:25:00 AM
Well/Sampling Point WACS:	Smith Lake - 1D	Report Period:	February 2003
Well/Sampling Point Name:	Smith Lake - 1D	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	Units	Detection Limits
01045	Iron	Grab	N	SW6010	2/27/03	90	µg/L	40
01051	Lead	Grab	N	SW6010	2/27/03	ND	µg/L	5.0
01067	Nickel	Grab	N	SW6010	2/27/03	ND	µg/L	5.0
01147	Selenium	Grab	N	SW6010	2/27/03	ND	µg/L	10
01077	Silver	Grab	N	SW6010	2/27/03	ND	µg/L	5.0
01059	Thallium	Grab	N	SW6010	2/27/03	ND	µg/L	10
01087	Vanadium	Grab	N	SW6010	2/27/03	ND	µg/L	10
01092	Zinc	Grab	N	SW6010	2/27/03	ND	µg/L	20
00900	Hardness, Total (as CaCO3)	Grab	N	SW6010	2/27/03	74000	µg/L	1200
01012	Beryllium	Grab	N	SW7091	2/24/03	ND	µg/L	0.10
01027	Cadmium	Grab	N	SW7131	2/25/03	ND	µg/L	0.10
01042	Copper	Grab	N	SW7211	2/26/03	ND	µg/L	1.0
01051	Lead	Grab	N	SW7421	2/25/03	ND	µg/L	1.0
71900	Mercury	Grab	N	SW7470	2/21/03	ND	µg/L	0.20
01077	Silver	Grab	N	SW7761	2/26/03	ND	µg/L	0.070
MICRO								
31612	Fecal Coliform (MF)	Grab	N	SM9222	2/19/03	170	CFU/100	10
ORGANICS								
49146	1,2-Dibromo-3-chloropropane	Grab	N	SW8011	2/21/03	ND	µg/L	0.020
77651	Ethylene Dibromide	Grab	N	SW8011	2/21/03	ND	µg/L	0.010
81552	Acetone	Grab	N	SW8260	2/26/03	ND	µg/L	10
34215	Acrylonitrile	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34030	Benzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
73085	Bromochloromethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
32101	Bromodichloromethane	Grab	N	SW8260	2/26/03	ND	µg/L	0.60
32104	Bromoform	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
81595	2-Butanone	Grab	N	SW8260	2/26/03	ND	µg/L	10
77041	Carbon disulfide	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
32102	Carbon tetrachloride	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34301	Chlorobenzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34311	Chloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
32106	Chloroform	Grab	N	SW8260	2/26/03	ND	µg/L	1.0

Qualifiers: ND - The analyte was analyzed for but not detected above the reported sample quantitation limit



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: F03020532

Sample Number: F03020532-002

Facility WACS:	Southeast Landfill	Sample Date/Time:	2/19/03 7:25:00 AM
Well/Sampling Point WACS:	Smith Lake - 1D	Report Period:	February 2003
Well/Sampling Point Name:	Smith Lake - 1D	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	Units	Detection Limits
32105	Dibromochloromethane	Grab	N	SW8260	2/26/03	ND	µg/L	0.40
77596	Dibromomethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34536	1,2-Dichlorobenzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34571	1,4-Dichlorobenzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
77268	trans-1,4-Dichloro-2-butene	Grab	N	SW8260	2/26/03	ND	µg/L	10
34496	1,1-Dichloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34531	1,2-Dichloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34501	1,1-Dichloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
77093	cis-1,2-Dichloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34546	trans-1,2-Dichloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34541	1,2-Dichloropropane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34704	cis-1,3-Dichloropropene	Grab	N	SW8260	2/26/03	ND	µg/L	0.20
34699	trans-1,3-Dichloropropene	Grab	N	SW8260	2/26/03	ND	µg/L	0.20
34371	Ethylbenzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
77103	2-Hexanone	Grab	N	SW8260	2/26/03	ND	µg/L	10
77424	Iodomethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
81596	4-Methyl-2-pentanone	Grab	N	SW8260	2/26/03	ND	µg/L	10
34423	Methylene chloride	Grab	N	SW8260	2/26/03	ND	µg/L	5.0
77128	Styrene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
77562	1,1,1,2-Tetrachloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34516	1,1,2,2-Tetrachloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	0.20
34475	Tetrachloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34010	Toluene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34506	1,1,1-Trichloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34511	1,1,2-Trichloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
39180	Trichloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34488	Trichlorofluoromethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
77443	1,2,3-Trichloropropane	Grab	N	SW8260	2/26/03	ND	µg/L	0.20
77057	Vinyl acetate	Grab	N	SW8260	2/26/03	ND	µg/L	2.0
39175	Vinyl chloride	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34020	Xylenes, Total	Grab	N	SW8260	2/26/03	ND	µg/L	1.0

Qualifiers: ND - The analyte was analyzed for but not detected above the reported sample quantitation limit



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: F03020532

Sample Number: F03020532-003

Facility WACS:	Southeast Landfill	Sample Date/Time:	2/19/03 7:12:00 AM
Well/Sampling Point WACS:	Surf Site 3A	Report Period:	February 2003
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	Units	Detection Limits
FIELD								
00094	Conductivity	Grab	N	E120.1	2/19/03	340	umhos/c	
00406	pH	Grab	N	E150.1	2/19/03	5.44	S.U.	
00010	Temperature	Grab	N	E170.1	2/19/03	13.9	deg C	
82078	Turbidity	Grab	N	E180.1	2/19/03	1.7	NTU	
00299	Dissolved Oxygen	Grab	N	E360.1	2/19/03	3.50	mg/L	
	Water Level	Grab	N	NA	2/19/03	1.10	ft	
INORGANICS								
00095	Conductance, Specific	Grab	N	E120.1	2/20/03	336	umhos/c	
00403	pH	Grab	N	E150.1	2/20/03	5.28	pH units	
70300	Solids, Total Dissolved	Grab	N	E160.1	2/24/03	200	mg/L	5.0
00530	Solids, Suspended (Residue, Non-	Grab	N	E160.2	2/21/03	5.5	mg/L	5.0
00940	Chloride	Grab	N	E300.0	2/20/03	32	mg/L	0.50
00620	Nitrogen, Nitrate	Grab	N	E300.0	2/20/03	0.84	mg/L	0.050
00625	Nitrogen, Kjeldahl, Total	Grab	N	E351.2	2/27/03	ND	mg/L	0.50
00630	Nitrogen, Nitrate-Nitrite	Grab	N	E353.2	2/21/03	0.87	mg/L	0.050
00665	Phosphorus, Total (as P)	Grab	N	E365.4	2/27/03	ND	mg/L	0.10
00340	Chemical Oxygen Demand	Grab	N	E410.4	2/25/03	25	mg/L	10
00680	Organic Carbon, Total	Grab	N	E415.1	2/26/03	5.8	mg/L	2.0
00612	Nitrogen, Ammonia (Unionized)	Grab	N	FL-DEP	2/21/03	ND	mg/L	0.050
32211	Chlorophyll a	Grab	N	SM10200	3/4/03	ND	mg/m³	1.0
00600	Nitrogen, Total	Grab	N	SM4500-	2/27/03	1.3	mg/L	0.050
	Carbonaceous BOD	Grab	N	SM5210	2/26/03	ND	mg/L	6.0
METALS								
01097	Antimony	Grab	N	SW6010	2/27/03	ND	µg/L	10
01002	Arsenic	Grab	N	SW6010	2/28/03	ND	µg/L	10
01007	Barium	Grab	N	SW6010	2/27/03	28	µg/L	10
01012	Beryllium	Grab	N	SW6010	2/27/03	ND	µg/L	1.0
01027	Cadmium	Grab	N	SW6010	2/27/03	ND	µg/L	1.0
01034	Chromium	Grab	N	SW6010	2/27/03	ND	µg/L	5.0
01037	Cobalt	Grab	N	SW6010	2/27/03	ND	µg/L	10
01042	Copper	Grab	N	SW6010	2/27/03	ND	µg/L	5.0

Qualifiers: ND - The analyte was analyzed for but not detected above the reported sample quantitation limit



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: F03020532

Sample Number: F03020532-003

Facility WACS:	Southeast Landfill	Sample Date/Time:	2/19/03 7:12:00 AM
Well/Sampling Point WACS:	Surf Site 3A	Report Period:	February 2003
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	Units	Detection Limits
01045	Iron	Grab	N	SW6010	2/27/03	180	µg/L	40
01051	Lead	Grab	N	SW6010	2/27/03	ND	µg/L	5.0
01067	Nickel	Grab	N	SW6010	2/27/03	ND	µg/L	5.0
01147	Selenium	Grab	N	SW6010	2/27/03	ND	µg/L	10
01077	Silver	Grab	N	SW6010	2/27/03	ND	µg/L	5.0
01059	Thallium	Grab	N	SW6010	2/27/03	ND	µg/L	10
01087	Vanadium	Grab	N	SW6010	2/27/03	ND	µg/L	10
01092	Zinc	Grab	N	SW6010	2/27/03	ND	µg/L	20
00900	Hardness, Total (as CaCO3)	Grab	N	SW6010	2/27/03	93000	µg/L	1200
01012	Beryllium	Grab	N	SW7091	2/24/03	ND	µg/L	0.10
01027	Cadmium	Grab	N	SW7131	2/25/03	ND	µg/L	0.10
01042	Copper	Grab	N	SW7211	2/26/03	1.2	µg/L	1.0
01051	Lead	Grab	N	SW7421	2/25/03	ND	µg/L	1.0
71900	Mercury	Grab	N	SW7470	2/21/03	ND	µg/L	0.20
01077	Silver	Grab	N	SW7761	2/26/03	ND	µg/L	0.070
MICRO								
31612	Fecal Coliform (MF)	Grab	N	SM9222	2/19/03	390	CFU/100	10
ORGANICS								
49146	1,2-Dibromo-3-chloropropane	Grab	N	SW8011	2/21/03	ND	µg/L	0.020
77651	Ethylene Dibromide	Grab	N	SW8011	2/21/03	ND	µg/L	0.010
81552	Acetone	Grab	N	SW8260	2/26/03	ND	µg/L	10
34215	Acrylonitrile	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34030	Benzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
73085	Bromochloromethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
32101	Bromodichloromethane	Grab	N	SW8260	2/26/03	ND	µg/L	0.60
32104	Bromoform	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
81595	2-Butanone	Grab	N	SW8260	2/26/03	ND	µg/L	10
77041	Carbon disulfide	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
32102	Carbon tetrachloride	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34301	Chlorobenzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34311	Chloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
32106	Chloroform	Grab	N	SW8260	2/26/03	ND	µg/L	1.0

Qualifiers: ND - The analyte was analyzed for but not detected above the reported sample quantitation limit



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: F03020532

Sample Number: F03020532-003

Facility WACS:	Southeast Landfill	Sample Date/Time:	2/19/03 7:12:00 AM
Well/Sampling Point WACS:	Surf Site 3A	Report Period:	February 2003
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	Units	Detection Limits
32105	Dibromochloromethane	Grab	N	SW8260	2/26/03	ND	µg/L	0.40
77596	Dibromomethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34536	1,2-Dichlorobenzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34571	1,4-Dichlorobenzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
77268	trans-1,4-Dichloro-2-butene	Grab	N	SW8260	2/26/03	ND	µg/L	10
34496	1,1-Dichloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34531	1,2-Dichloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34501	1,1-Dichloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
77093	cis-1,2-Dichloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34546	trans-1,2-Dichloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34541	1,2-Dichloropropane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34704	cis-1,3-Dichloropropene	Grab	N	SW8260	2/26/03	ND	µg/L	0.20
34699	trans-1,3-Dichloropropene	Grab	N	SW8260	2/26/03	ND	µg/L	0.20
34371	Ethylbenzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
77103	2-Hexanone	Grab	N	SW8260	2/26/03	ND	µg/L	10
77424	Iodomethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
81596	4-Methyl-2-pentanone	Grab	N	SW8260	2/26/03	ND	µg/L	10
34423	Methylene chloride	Grab	N	SW8260	2/26/03	ND	µg/L	5.0
77128	Styrene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
77562	1,1,1,2-Tetrachloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34516	1,1,2,2-Tetrachloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	0.20
34475	Tetrachloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34010	Toluene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34506	1,1,1-Trichloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34511	1,1,2-Trichloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
39180	Trichloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34488	Trichlorofluoromethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
77443	1,2,3-Trichloropropane	Grab	N	SW8260	2/26/03	ND	µg/L	0.20
77057	Vinyl acetate	Grab	N	SW8260	2/26/03	ND	µg/L	2.0
39175	Vinyl chloride	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34020	Xylenes, Total	Grab	N	SW8260	2/26/03	ND	µg/L	1.0

Qualifiers:

ND - The analyte was analyzed for but not detected above the reported sample quantitation limit



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: F03020532

Sample Number: F03020532-004

Facility WACS:	Southeast Landfill	Sample Date/Time:	2/19/03 8:07:00 AM
Well/Sampling Point WACS:	Surf Site 3B2B	Report Period:	February 2003
Well/Sampling Point Name:	Surf Site 3B2B	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	Units	Detection Limits
<u>FIELD</u>								
00094	Conductivity	Grab	N	E120.1	2/19/03	286	umhos/c	
00406	pH	Grab	N	E150.1	2/19/03	7.27	S.U.	
00010	Temperature	Grab	N	E170.1	2/19/03	13.3	deg C	
82078	Turbidity	Grab	N	E180.1	2/19/03	03.7	NTU	
00299	Dissolved Oxygen	Grab	N	E360.1	2/19/03	5.06	mg/L	
	Water Level	Grab	N	NA	2/19/03	1.53	ft	
<u>INORGANICS</u>								
00095	Conductance, Specific	Grab	N	E120.1	2/20/03	300	umhos/c	
00403	pH	Grab	N	E150.1	2/20/03	5.85	pH units	
70300	Solids, Total Dissolved	Grab	N	E160.1	2/24/03	160	mg/L	5.0
00530	Solids, Suspended (Residue, Non-	Grab	N	E160.2	2/21/03	5.5	mg/L	5.0
00940	Chloride	Grab	N	E300.0	2/20/03	29	mg/L	0.50
00620	Nitrogen, Nitrate	Grab	N	E300.0	2/20/03	0.47	mg/L	0.050
00625	Nitrogen, Kjeldahl, Total	Grab	N	E351.2	2/27/03	ND	mg/L	0.50
00630	Nitrogen, Nitrate-Nitrite	Grab	N	E353.2	2/21/03	0.44	mg/L	0.050
00665	Phosphorus, Total (as P)	Grab	N	E365.4	2/27/03	0.18	mg/L	0.10
00340	Chemical Oxygen Demand	Grab	N	E410.4	2/25/03	26	mg/L	10
00680	Organic Carbon, Total	Grab	N	E415.1	2/26/03	7.9	mg/L	1.0
00612	Nitrogen, Ammonia (Unionized)	Grab	N	FL-DEP	2/21/03	ND	mg/L	0.050
32211	Chlorophyll a	Grab	N	SM10200	3/4/03	ND	mg/m³	1.0
00600	Nitrogen, Total	Grab	N	SM4500-	2/27/03	0.74	mg/L	0.050
	Carbonaceous BOD	Grab	N	SM5210	2/26/03	ND	mg/L	6.0
<u>METALS</u>								
01097	Antimony	Grab	N	SW6010	2/27/03	ND	ug/L	10
01002	Arsenic	Grab	N	SW6010	2/28/03	ND	ug/L	10
01007	Barium	Grab	N	SW6010	2/27/03	17	ug/L	10
01012	Beryllium	Grab	N	SW6010	2/27/03	ND	ug/L	1.0
01027	Cadmium	Grab	N	SW6010	2/27/03	ND	ug/L	1.0
01034	Chromium	Grab	N	SW6010	2/27/03	ND	ug/L	5.0
01037	Cobalt	Grab	N	SW6010	2/27/03	ND	ug/L	10
01042	Copper	Grab	N	SW6010	2/27/03	ND	ug/L	5.0

Qualifiers: ND - The analyte was analyzed for but not detected above the reported sample quantitation limit



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: F03020532

Sample Number: F03020532-004

Facility WACS:	Southeast Landfill	Sample Date/Time:	2/19/03 8:07:00 AM
Well/Sampling Point WACS:	Surf Site 3B2B	Report Period:	February 2003
Well/Sampling Point Name:	Surf Site 3B2B	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	Units	Detection Limits
01045	Iron	Grab	N	SW6010	2/27/03	190	µg/L	40
01051	Lead	Grab	N	SW6010	2/27/03	ND	µg/L	5.0
01067	Nickel	Grab	N	SW6010	2/27/03	ND	µg/L	5.0
01147	Selenium	Grab	N	SW6010	2/27/03	ND	µg/L	10
01077	Silver	Grab	N	SW6010	2/27/03	ND	µg/L	5.0
01059	Thallium	Grab	N	SW6010	2/27/03	ND	µg/L	10
01087	Vanadium	Grab	N	SW6010	2/27/03	ND	µg/L	10
01092	Zinc	Grab	N	SW6010	2/27/03	ND	µg/L	20
00900	Hardness, Total (as CaCO3)	Grab	N	SW6010	2/27/03	79000	µg/L	1200
01012	Beryllium	Grab	N	SW7091	2/24/03	ND	µg/L	0.10
01027	Cadmium	Grab	N	SW7131	2/25/03	ND	µg/L	0.10
01042	Copper	Grab	N	SW7211	2/26/03	1.1	µg/L	1.0
01051	Lead	Grab	N	SW7421	2/25/03	ND	µg/L	1.0
71900	Mercury	Grab	N	SW7470	2/21/03	ND	µg/L	0.20
01077	Silver	Grab	N	SW7761	2/26/03	ND	µg/L	0.070
<u>MICRO</u>								
31612	Fecal Coliform (MF)	Grab	N	SM9222	2/19/03	560	CFU/100	10
<u>ORGANICS</u>								
49146	1,2-Dibromo-3-chloropropane	Grab	N	SW8011	2/21/03	ND	µg/L	0.020
77651	Ethylene Dibromide	Grab	N	SW8011	2/21/03	ND	µg/L	0.010
81552	Acetone	Grab	N	SW8260	2/26/03	ND	µg/L	10
34215	Acrylonitrile	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34030	Benzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
73085	Bromochloromethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
32101	Bromodichloromethane	Grab	N	SW8260	2/26/03	ND	µg/L	0.60
32104	Bromoform	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
81595	2-Butanone	Grab	N	SW8260	2/26/03	ND	µg/L	10
77041	Carbon disulfide	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
32102	Carbon tetrachloride	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34301	Chlorobenzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34311	Chloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
32106	Chloroform	Grab	N	SW8260	2/26/03	ND	µg/L	1.0

Qualifiers: ND - The analyte was analyzed for but not detected above the reported sample quantitation limit



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: F03020532

Sample Number: F03020532-004

Facility WACS:	Southeast Landfill	Sample Date/Time:	2/19/03 8:07:00 AM
Well/Sampling Point WACS:	Surf Site 3B2B	Report Period:	February 2003
Well/Sampling Point Name:	Surf Site 3B2B	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	Units	Detection Limits
32105	Dibromochloromethane	Grab	N	SW8260	2/26/03	ND	µg/L	0.40
77596	Dibromomethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34536	1,2-Dichlorobenzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34571	1,4-Dichlorobenzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
77268	trans-1,4-Dichloro-2-butene	Grab	N	SW8260	2/26/03	ND	µg/L	10
34496	1,1-Dichloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34531	1,2-Dichloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34501	1,1-Dichloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
77093	cis-1,2-Dichloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34546	trans-1,2-Dichloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34541	1,2-Dichloropropane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34704	cis-1,3-Dichloropropene	Grab	N	SW8260	2/26/03	ND	µg/L	0.20
34699	trans-1,3-Dichloropropene	Grab	N	SW8260	2/26/03	ND	µg/L	0.20
34371	Ethylbenzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
77103	2-Hexanone	Grab	N	SW8260	2/26/03	ND	µg/L	10
77424	Iodomethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
81596	4-Methyl-2-pentanone	Grab	N	SW8260	2/26/03	ND	µg/L	10
34423	Methylene chloride	Grab	N	SW8260	2/26/03	ND	µg/L	5.0
77128	Styrene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
77562	1,1,1,2-Tetrachloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34516	1,1,2,2-Tetrachloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	0.20
34475	Tetrachloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34010	Toluene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34506	1,1,1-Trichloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34511	1,1,2-Trichloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
39180	Trichloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34488	Trichlorofluoromethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
77443	1,2,3-Trichloropropane	Grab	N	SW8260	2/26/03	ND	µg/L	0.20
77057	Vinyl acetate	Grab	N	SW8260	2/26/03	ND	µg/L	2.0
39175	Vinyl chloride	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34020	Xylenes, Total	Grab	N	SW8260	2/26/03	ND	µg/L	1.0

Qualifiers:

ND - The analyte was analyzed for but not detected above the reported sample quantitation limit



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: F03020532

Sample Number: F03020532-005

Facility WACS:	Southeast Landfill	Sample Date/Time:	2/19/03 7:47:00 AM
Well/Sampling Point WACS:	Surf Site 3C2	Report Period:	February 2003
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	Units	Detection Limits
FIELD								
00094	Conductivity	Grab	N	E120.1	2/19/03	242	umhos/c	
00406	pH	Grab	N	E150.1	2/19/03	7.31	S.U.	
00010	Temperature	Grab	N	E170.1	2/19/03	13.2	deg C	
82078	Turbidity	Grab	N	E180.1	2/19/03	04.7	NTU	
00299	Dissolved Oxygen	Grab	N	E360.1	2/19/03	7.86	mg/L	
	Water Level	Grab	N	NA	2/19/03	1.52		
INORGANICS								
00095	Conductance, Specific	Grab	N	E120.1	2/20/03	258	umhos/c	
00403	pH	Grab	N	E150.1	2/20/03	6.27	pH units	
70300	Solids, Total Dissolved	Grab	N	E160.1	2/24/03	140	mg/L	5.0
00530	Solids, Suspended (Residue, Non-	Grab	N	E160.2	2/21/03	ND	mg/L	5.0
00940	Chloride	Grab	N	E300.0	2/20/03	22	mg/L	0.50
00620	Nitrogen, Nitrate	Grab	N	E300.0	2/20/03	0.31	mg/L	0.050
00625	Nitrogen, Kjeldahl, Total	Grab	N	E351.2	2/27/03	0.52	mg/L	0.50
00630	Nitrogen, Nitrate-Nitrite	Grab	N	E353.2	2/21/03	0.77	mg/L	0.050
00665	Phosphorus, Total (as P)	Grab	N	E365.4	2/27/03	0.60	mg/L	0.10
00340	Chemical Oxygen Demand	Grab	N	E410.4	2/25/03	55	mg/L	10
00680	Organic Carbon, Total	Grab	N	E415.1	2/26/03	11	mg/L	1.0
00612	Nitrogen, Ammonia (Unionized)	Grab	N	FL-DEP	2/21/03	ND	mg/L	0.050
32211	Chlorophyll a	Grab	N	SM10200	3/4/03	3.2	mg/m³	1.0
00600	Nitrogen, Total	Grab	N	SM4500-	2/27/03	1.3	mg/L	0.050
	Carbonaceous BOD	Grab	N	SM5210	2/26/03	ND	mg/L	6.0
METALS								
01097	Antimony	Grab	N	SW6010	2/27/03	ND	µg/L	10
01002	Arsenic	Grab	N	SW6010	2/28/03	ND	µg/L	10
01007	Barium	Grab	N	SW6010	2/27/03	12	µg/L	10
01012	Beryllium	Grab	N	SW6010	2/27/03	ND	µg/L	1.0
01027	Cadmium	Grab	N	SW6010	2/27/03	ND	µg/L	1.0
01034	Chromium	Grab	N	SW6010	2/27/03	ND	µg/L	5.0
01037	Cobalt	Grab	N	SW6010	2/27/03	ND	µg/L	10
01042	Copper	Grab	N	SW6010	2/27/03	ND	µg/L	5.0

Qualifiers: ND - The analyte was analyzed for but not detected above the reported sample quantitation limit



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: F03020532

Sample Number: F03020532-005

Facility WACS:	Southeast Landfill	Sample Date/Time:	2/19/03 7:47:00 AM
Well/Sampling Point WACS:	Surf Site 3C2	Report Period:	February 2003
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	Units	Detection Limits
01045	Iron	Grab	N	SW6010	2/27/03	250	µg/L	40
01051	Lead	Grab	N	SW6010	2/27/03	ND	µg/L	5.0
01067	Nickel	Grab	N	SW6010	2/27/03	ND	µg/L	5.0
01147	Selenium	Grab	N	SW6010	2/27/03	ND	µg/L	10
01077	Silver	Grab	N	SW6010	2/27/03	ND	µg/L	5.0
01059	Thallium	Grab	N	SW6010	2/27/03	ND	µg/L	10
01087	Vanadium	Grab	N	SW6010	2/27/03	ND	µg/L	10
01092	Zinc	Grab	N	SW6010	2/27/03	ND	µg/L	20
00900	Hardness, Total (as CaCO3)	Grab	N	SW6010	2/27/03	75000	µg/L	1200
01012	Beryllium	Grab	N	SW7091	2/24/03	ND	µg/L	0.10
01027	Cadmium	Grab	N	SW7131	2/25/03	ND	µg/L	0.10
01042	Copper	Grab	N	SW7211	2/26/03	1.8	µg/L	1.0
01051	Lead	Grab	N	SW7421	2/25/03	ND	µg/L	1.0
71900	Mercury	Grab	N	SW7470	2/21/03	ND	µg/L	0.20
01077	Silver	Grab	N	SW7761	2/26/03	ND	µg/L	0.070
<u>MICRO</u>								
31612	Fecal Coliform (MF)	Grab	N	SM9222	2/19/03	470	CFU/100	10
<u>ORGANICS</u>								
49146	1,2-Dibromo-3-chloropropane	Grab	N	SW8011	2/21/03	ND	µg/L	0.020
77651	Ethylene Dibromide	Grab	N	SW8011	2/21/03	ND	µg/L	0.010
81552	Acetone	Grab	N	SW8260	2/26/03	ND	µg/L	10
34215	Acrylonitrile	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34030	Benzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
73085	Bromochloromethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
32101	Bromodichloromethane	Grab	N	SW8260	2/26/03	ND	µg/L	0.60
32104	Bromoform	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
81595	2-Butanone	Grab	N	SW8260	2/26/03	ND	µg/L	10
77041	Carbon disulfide	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
32102	Carbon tetrachloride	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34301	Chlorobenzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34311	Chloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
32106	Chloroform	Grab	N	SW8260	2/26/03	ND	µg/L	1.0

Qualifiers: ND - The analyte was analyzed for but not detected above the reported sample quantitation limit



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: F03020532

Sample Number: F03020532-005

Facility WACS:	Southeast Landfill	Sample Date/Time:	2/19/03 7:47:00 AM
Well/Sampling Point WACS:	Surf Site 3C2	Report Period:	February 2003
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	Units	Detection Limits
32105	Dibromochloromethane	Grab	N	SW8260	2/26/03	ND	µg/L	0.40
77596	Dibromomethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34536	1,2-Dichlorobenzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34571	1,4-Dichlorobenzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
77268	trans-1,4-Dichloro-2-butene	Grab	N	SW8260	2/26/03	ND	µg/L	10
34496	1,1-Dichloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34531	1,2-Dichloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34501	1,1-Dichloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
77093	cis-1,2-Dichloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34546	trans-1,2-Dichloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34541	1,2-Dichloropropane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34704	cis-1,3-Dichloropropene	Grab	N	SW8260	2/26/03	ND	µg/L	0.20
34699	trans-1,3-Dichloropropene	Grab	N	SW8260	2/26/03	ND	µg/L	0.20
34371	Ethylbenzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
77103	2-Hexanone	Grab	N	SW8260	2/26/03	ND	µg/L	10
77424	Iodomethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
81596	4-Methyl-2-pentanone	Grab	N	SW8260	2/26/03	ND	µg/L	10
34423	Methylene chloride	Grab	N	SW8260	2/26/03	ND	µg/L	5.0
77128	Styrene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
77562	1,1,1,2-Tetrachloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34516	1,1,2,2-Tetrachloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	0.20
34475	Tetrachloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34010	Toluene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34506	1,1,1-Trichloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34511	1,1,2-Trichloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
39180	Trichloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34488	Trichlorofluoromethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
77443	1,2,3-Trichloropropane	Grab	N	SW8260	2/26/03	ND	µg/L	0.20
77057	Vinyl acetate	Grab	N	SW8260	2/26/03	ND	µg/L	2.0
39175	Vinyl chloride	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34020	Xylenes, Total	Grab	N	SW8260	2/26/03	ND	µg/L	1.0

Qualifiers: ND - The analyte was analyzed for but not detected above the reported sample quantitation limit



SE 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: F03020532

Sample Number: F03020532-001

Facility WACS:	Southeast Landfill	Sample Date/Time:	2/19/03 7:07:00 AM
Well/Sampling Point WACS:	Equip Blank	Report Period:	February 2003
Well/Sampling Point Name:	Equip Blank	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	Units	Detection Limits
INORGANICS								
00095	Conductance, Specific	Grab	N	E120.1	2/20/03	11.5	µmhos/c	
00403	pH	Grab	N	E150.1	2/20/03	5.71	pH units	
70300	Solids, Total Dissolved	Grab	N	E160.1	2/24/03	ND	mg/L	5.0
00530	Solids, Suspended (Residue, Non-	Grab	N	E160.2	2/21/03	ND	mg/L	5.0
00940	Chloride	Grab	N	E300.0	2/20/03	ND	mg/L	0.50
00620	Nitrogen, Nitrate	Grab	N	E300.0	2/20/03	ND	mg/L	0.050
00610	Nitrogen, Ammonia (As N)	Grab	N	E350.1	2/21/03	0.20	mg/L	0.050
00625	Nitrogen, Kjeldahl, Total	Grab	N	E351.2	2/27/03	ND	mg/L	0.50
00630	Nitrogen, Nitrate-Nitrite	Grab	N	E353.2	2/21/03	ND	mg/L	0.050
00665	Phosphorus, Total (as P)	Grab	N	E365.4	2/27/03	ND	mg/L	0.10
00340	Chemical Oxygen Demand	Grab	N	E410.4	2/25/03	ND	mg/L	10
00680	Organic Carbon, Total	Grab	N	E415.1	2/26/03	1.0	mg/L	1.0
32211	Chlorophyll a	Grab	N	SM10200	3/4/03	ND	mg/m³	1.0
00600	Nitrogen, Total	Grab	N	SM4500-	2/27/03	ND	mg/L	0.050
	Carbonaceous BOD	Grab	N	SM5210	2/26/03	ND	mg/L	6.0
METALS								
01097	Antimony	Grab	N	SW6010	2/27/03	ND	µg/L	10
01002	Arsenic	Grab	N	SW6010	2/28/03	ND	µg/L	10
01007	Barium	Grab	N	SW6010	2/27/03	ND	µg/L	10
01034	Chromium	Grab	N	SW6010	2/27/03	ND	µg/L	5.0
01037	Cobalt	Grab	N	SW6010	2/27/03	ND	µg/L	10
01045	Iron	Grab	N	SW6010	2/27/03	ND	µg/L	40
01067	Nickel	Grab	N	SW6010	2/27/03	ND	µg/L	5.0
01147	Selenium	Grab	N	SW6010	2/27/03	ND	µg/L	10
01059	Thallium	Grab	N	SW6010	2/27/03	ND	µg/L	10
01087	Vanadium	Grab	N	SW6010	2/27/03	ND	µg/L	10
01092	Zinc	Grab	N	SW6010	2/27/03	ND	µg/L	20
00900	Hardness, Total (as CaCO3)	Grab	N	SW6010	2/27/03	ND	µg/L	1200
01012	Beryllium	Grab	N	SW7091	2/24/03	ND	µg/L	0.10
01027	Cadmium	Grab	N	SW7131	2/25/03	ND	µg/L	0.10
01042	Copper	Grab	N	SW7211	2/26/03	1.1	µg/L	1.0

Qualifiers: ND - The analyte was analyzed for but not detected above the reported sample quantitation limit



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: F03020532

Sample Number: F03020532-001

Facility WACS:	Southeast Landfill	Sample Date/Time:	2/19/03 7:07:00 AM
Well/Sampling Point WACS:	Equip Blank	Report Period:	February 2003
Well/Sampling Point Name:	Equip Blank	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	Units	Detection Limits
01051	Lead	Grab	N	SW7421	2/25/03	ND	µg/L	1.0
71900	Mercury	Grab	N	SW7470	2/21/03	ND	µg/L	0.20
01077	Silver	Grab	N	SW7761	2/26/03	ND	µg/L	0.070
ORGANICS								
49146	1,2-Dibromo-3-chloropropane	Grab	N	SW8011	2/21/03	ND	µg/L	0.020
77651	Ethylene Dibromide	Grab	N	SW8011	2/21/03	ND	µg/L	0.010
81552	Acetone	Grab	N	SW8260	2/26/03	ND	µg/L	10
34215	Acrylonitrile	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34030	Benzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
73085	Bromochloromethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
32101	Bromodichloromethane	Grab	N	SW8260	2/26/03	ND	µg/L	0.60
32104	Bromoform	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
81595	2-Butanone	Grab	N	SW8260	2/26/03	ND	µg/L	10
77041	Carbon disulfide	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
32102	Carbon tetrachloride	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34301	Chlorobenzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34311	Chloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
32106	Chloroform	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
32105	Dibromochloromethane	Grab	N	SW8260	2/26/03	ND	µg/L	0.40
77596	Dibromomethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34536	1,2-Dichlorobenzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34571	1,4-Dichlorobenzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
77268	trans-1,4-Dichloro-2-butene	Grab	N	SW8260	2/26/03	ND	µg/L	10
34496	1,1-Dichloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34531	1,2-Dichloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34501	1,1-Dichloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
77093	cis-1,2-Dichloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34546	trans-1,2-Dichloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34541	1,2-Dichloropropane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34704	cis-1,3-Dichloropropene	Grab	N	SW8260	2/26/03	ND	µg/L	0.20
34699	trans-1,3-Dichloropropene	Grab	N	SW8260	2/26/03	ND	µg/L	0.20
34371	Ethylbenzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
77103	2-Hexanone	Grab	N	SW8260	2/26/03	ND	µg/L	10

Qualifiers: ND - The analyte was analyzed for but not detected above the reported sample quantitation limit



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: F03020532

Sample Number: F03020532-001

Facility WACS:	Southeast Landfill	Sample Date/Time:	2/19/03 7:07:00 AM
Well/Sampling Point WACS:	Equip Blank	Report Period:	February 2003
Well/Sampling Point Name:	Equip Blank	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	Units	Detection Limits
77424	Iodomethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
81596	4-Methyl-2-pentanone	Grab	N	SW8260	2/26/03	ND	µg/L	10
34423	Methylene chloride	Grab	N	SW8260	2/26/03	ND	µg/L	5.0
77128	Styrene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
77562	1,1,1,2-Tetrachloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34516	1,1,2,2-Tetrachloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	0.20
34475	Tetrachloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34010	Toluene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34506	1,1,1-Trichloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34511	1,1,2-Trichloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
39180	Trichloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34488	Trichlorofluoromethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
77443	1,2,3-Trichloropropane	Grab	N	SW8260	2/26/03	ND	µg/L	0.20
77057	Vinyl acetate	Grab	N	SW8260	2/26/03	ND	µg/L	2.0
39175	Vinyl chloride	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34020	Xylenes, Total	Grab	N	SW8260	2/26/03	ND	µg/L	1.0

Qualifiers: ND - The analyte was analyzed for but not detected above the reported sample quantitation limit

**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: F03020532**Sample Number:** F03020532-006

Facility WACS:	Southeast Landfill	Sample Date/Time:	2/19/03 7:05:00 AM
Well/Sampling Point WACS:	Travel Blank	Report Period:	February 2003
Well/Sampling Point Name:	Travel Blank	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	Units	Detection Limits
ORGANICS								
81552	Acetone	Grab	N	SW8260	2/26/03	ND	µg/L	10
34215	Acrylonitrile	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
78124	Benzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
73085	Bromochloromethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
32101	Bromodichloromethane	Grab	N	SW8260	2/26/03	ND	µg/L	0.60
32104	Bromoform	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
30202	Bromomethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
81595	2-Butanone	Grab	N	SW8260	2/26/03	ND	µg/L	10
77041	Carbon disulfide	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
32102	Carbon tetrachloride	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34301	Chlorobenzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34311	Chloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
32106	Chloroform	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
30201	Chloromethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
32105	Dibromochloromethane	Grab	N	SW8260	2/26/03	ND	µg/L	0.40
81522	Dibromomethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
73547	trans-1,4-Dichloro-2-butene	Grab	N	SW8260	2/26/03	ND	µg/L	10
34536	1,2-Dichlorobenzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34571	1,4-Dichlorobenzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34496	1,1-Dichloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34531	1,2-Dichloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34501	1,1-Dichloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
77093	cis-1,2-Dichloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34546	trans-1,2-Dichloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34541	1,2-Dichloropropane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34704	cis-1,3-Dichloropropene	Grab	N	SW8260	2/26/03	ND	µg/L	0.20
34561	trans-1,3-Dichloropropene	Grab	N	SW8260	2/26/03	ND	µg/L	0.20
34371	Ethylbenzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
77103	2-Hexanone	Grab	N	SW8260	2/26/03	ND	µg/L	10
77424	Iodomethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
78133	4-Methyl-2-pentanone	Grab	N	SW8260	2/26/03	ND	µg/L	10
34423	Methylene chloride	Grab	N	SW8260	2/26/03	ND	µg/L	5.0

Qualifiers: ND - The analyte was analyzed for but not detected above the reported sample quantitation limit



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: F03020532

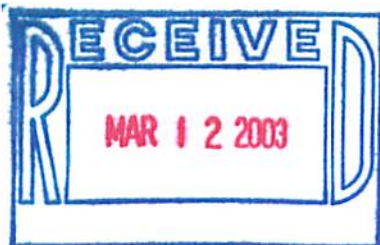
Sample Number: F03020532-006

Facility WACS:	Southeast Landfill	Sample Date/Time:	2/19/03 7:05:00 AM
Well/Sampling Point WACS:	Travel Blank	Report Period:	February 2003
Well/Sampling Point Name:	Travel Blank	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	Units	Detection Limits
77128	Styrene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
73652	1,1,1,2-Tetrachloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34516	1,1,2,2-Tetrachloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	0.20
34475	Tetrachloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
78131	Toluene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34506	1,1,1-Trichloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34511	1,1,2-Trichloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
39180	Trichloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34488	Trichlorofluoromethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
77443	1,2,3-Trichloropropane	Grab	N	SW8260	2/26/03	ND	µg/L	0.20
77057	Vinyl acetate	Grab	N	SW8260	2/26/03	ND	µg/L	2.0
39175	Vinyl chloride	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
81551	Xylenes, Total	Grab	N	SW8260	2/26/03	ND	µg/L	1.0

Qualifiers:

ND - The analyte was analyzed for but not detected above the reported sample quantitation limit



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: F03020532

Sample Number: F03020532-001

Facility WACS:	Southeast Landfill	Sample Date/Time:	2/19/03 7:07:00 AM
Well/Sampling Point WACS:	Equip Blank	Report Period:	February 2003
Well/Sampling Point Name:	Equip Blank	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	Units	Detection Limits
<u>INORGANICS</u>								
00095	Conductance, Specific	Grab	N	E120.1	2/20/03	11.5	µmhos/c	
00403	pH	Grab	N	E150.1	2/20/03	5.71	pH units	
00515	Solids, Total Dissolved	Grab	N	E160.1	2/24/03	ND	mg/L	5.0
00530	Solids, Suspended (Residue, Non-	Grab	N	E160.2	2/21/03	ND	mg/L	5.0
00940	Chloride	Grab	N	E300.0	2/20/03	ND	mg/L	0.50
00620	Nitrogen, Nitrate	Grab	N	E300.0	2/20/03	ND	mg/L	0.050
00610	Nitrogen, Ammonia (As N)	Grab	N	E350.1	2/21/03	0.20	mg/L	0.050
00625	Nitrogen, Kjeldahl, Total	Grab	N	E351.2	2/27/03	ND	mg/L	0.50
00630	Nitrogen, Nitrate-Nitrite	Grab	N	E353.2	2/21/03	ND	mg/L	0.050
00665	Phosphorus, Total (as P)	Grab	N	E365.4	2/27/03	ND	mg/L	0.10
00340	Chemical Oxygen Demand	Grab	N	E410.4	2/25/03	ND	mg/L	10
00680	Organic Carbon, Total	Grab	N	E415.1	2/26/03	1.0	mg/L	1.0
32211	Chlorophyll a	Grab	N	SM10200	3/4/03	ND	mg/m³	1.0
00600	Nitrogen, Total	Grab	N	SM4500-	2/27/03	ND	mg/L	0.050
	Carbonaceous BOD	Grab	N	SM5210	2/26/03	ND	mg/L	6.0
<u>METALS</u>								
01097	Antimony	Grab	N	SW6010	2/27/03	ND	µg/L	10
01002	Arsenic	Grab	N	SW6010	2/28/03	ND	µg/L	10
01007	Barium	Grab	N	SW6010	2/27/03	ND	µg/L	10
01034	Chromium	Grab	N	SW6010	2/27/03	ND	µg/L	5.0
01037	Cobalt	Grab	N	SW6010	2/27/03	ND	µg/L	10
01045	Iron	Grab	N	SW6010	2/27/03	ND	µg/L	40
01067	Nickel	Grab	N	SW6010	2/27/03	ND	µg/L	5.0
01147	Selenium	Grab	N	SW6010	2/27/03	ND	µg/L	10
01059	Thallium	Grab	N	SW6010	2/27/03	ND	µg/L	10
01087	Vanadium	Grab	N	SW6010	2/27/03	ND	µg/L	10
01092	Zinc	Grab	N	SW6010	2/27/03	ND	µg/L	20
00900	Hardness, Total (as CaCO3)	Grab	N	SW6010	2/27/03	ND	µg/L	1200
01012	Beryllium	Grab	N	SW7091	2/24/03	ND	µg/L	0.10
01027	Cadmium	Grab	N	SW7131	2/25/03	ND	µg/L	0.10
01042	Copper	Grab	N	SW7211	2/26/03	1.1	µg/L	1.0

Qualifiers: ND - The analyte was analyzed for but not detected above the reported sample quantitation limit

**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: F03020532

Sample Number: F03020532-001

Facility WACS:	Southeast Landfill	Sample Date/Time:	2/19/03 7:07:00 AM
Well/Sampling Point WACS:	Equip Blank	Report Period:	February 2003
Well/Sampling Point Name:	Equip Blank	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	Units	Detection Limits
01051	Lead	Grab	N	SW7421	2/25/03	ND	µg/L	1.0
71900	Mercury	Grab	N	SW7470	2/21/03	ND	µg/L	0.20
01077	Silver	Grab	N	SW7761	2/26/03	ND	µg/L	0.070
ORGANICS								
49146	1,2-Dibromo-3-chloropropane	Grab	N	SW8011	2/21/03	ND	µg/L	0.020
77651	Ethylene Dibromide	Grab	N	SW8011	2/21/03	ND	µg/L	0.010
81552	Acetone	Grab	N	SW8260	2/26/03	ND	µg/L	10
34215	Acrylonitrile	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
78124	Benzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
73085	Bromochloromethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
32101	Bromodichloromethane	Grab	N	SW8260	2/26/03	ND	µg/L	0.60
32104	Bromoform	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
81595	2-Butanone	Grab	N	SW8260	2/26/03	ND	µg/L	10
77041	Carbon disulfide	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
32102	Carbon tetrachloride	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34301	Chlorobenzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34311	Chloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
32106	Chloroform	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
32105	Dibromochloromethane	Grab	N	SW8260	2/26/03	ND	µg/L	0.40
81522	Dibromomethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34536	1,2-Dichlorobenzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34571	1,4-Dichlorobenzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
73547	trans-1,4-Dichloro-2-butene	Grab	N	SW8260	2/26/03	ND	µg/L	10
34496	1,1-Dichloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34531	1,2-Dichloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34501	1,1-Dichloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
77093	cis-1,2-Dichloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34546	trans-1,2-Dichloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34541	1,2-Dichloropropane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34704	cis-1,3-Dichloropropene	Grab	N	SW8260	2/26/03	ND	µg/L	0.20
34561	trans-1,3-Dichloropropene	Grab	N	SW8260	2/26/03	ND	µg/L	0.20
34371	Ethylbenzene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
77103	2-Hexanone	Grab	N	SW8260	2/26/03	ND	µg/L	10

Qualifiers: ND - The analyte was analyzed for but not detected above the reported sample quantitation limit

**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: F03020532

Sample Number: F03020532-001

Facility WACS:	Southeast Landfill	Sample Date/Time:	2/19/03 7:07:00 AM
Well/Sampling Point WACS:	Equip Blank	Report Period:	February 2003
Well/Sampling Point Name:	Equip Blank	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	Units	Detection Limits
77424	Iodomethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
78133	4-Methyl-2-pentanone	Grab	N	SW8260	2/26/03	ND	µg/L	10
34423	Methylene chloride	Grab	N	SW8260	2/26/03	ND	µg/L	5.0
77128	Styrene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
73652	1,1,1,2-Tetrachloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34516	1,1,2,2-Tetrachloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	0.20
34475	Tetrachloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
78131	Toluene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34506	1,1,1-Trichloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34511	1,1,2-Trichloroethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
39180	Trichloroethene	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
34488	Trichlorofluoromethane	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
77443	1,2,3-Trichloropropane	Grab	N	SW8260	2/26/03	ND	µg/L	0.20
77057	Vinyl acetate	Grab	N	SW8260	2/26/03	ND	µg/L	2.0
39175	Vinyl chloride	Grab	N	SW8260	2/26/03	ND	µg/L	1.0
81551	Xylenes, Total	Grab	N	SW8260	2/26/03	ND	µg/L	1.0

Qualifiers: ND - The analyte was analyzed for but not detected above the reported sample quantitation limit

**HILLSBOROUGH COUNTY DEPT. OF SOLID WASTE
COC SHEET SOUTHEAST LANDFILL WELL MONITORING PROGRAM**

PRECLEANED SAMPLE CONTAINERS:

RELINQUISHED BY: <u> <i>JD</i> </u>	REP. OF CONTRACT LAB.	DATE TIME
ACCEPTED BY: <u> <i>JD</i> </u>	REP. OF COMMON CARRIER	<u>2/13/03</u> <u>18:39</u>
RELINQUISHED BY: <u> <i>JD</i> </u>	REP. OF COMMON CARRIER	<u>2/13/03</u> <u>18:51</u>
ACCEPTED BY: <u> <i>JD</i> </u>	REP. OF SOLID WASTE DEPT.	<u>2-13-03</u> <u>345P</u>

LOCATION: SURF SITE 3A SAMPLE MATRIX: WATER OTHER MATRIX: _____
PERSONAL ENGAGED IN SAMPLE COLLECTION: *JD* | *JD*

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
<u> <i>JD</i> </u>	<u>7:12A</u>	<u>13.9</u>	<u>340</u>	<u>5.44</u>	<u>3.50 mg/L</u>	<u>0.7 NTU</u>

COLORS AND SHEENS: YES _____ NO ☒

H2O LEVEL - 1'10"

CONTAINER CODE:

NO. COL.	TYPE	PRESERVATIVE	CONTAINER TYPE	COLLECTED DATE TIME
1	BACTERIA	NA2SO4_X_NONE	100 ml STERILE Cup	2-19-03 7:12A
2	CHLOROPHYLL	NONE	1L AMBER PLASTIC	2-19-03 7:12A
1	EDB	NONE	2-40 ml. SEPTUM VIAL	2-19-03 7:12A
1	GENERAL	NONE	1000 ml. PLASTIC	2-19-03 7:12A
1	METALS	2 ml. HNO3	500 ml. PLASTIC	2-19-03 7:12A
1	NUTRIENTS	2 ml. H2SO4	250 ml. PLASTIC	2-19-03 7:12A
3	VOC	1:1 HCL	3-40 ml. SEPTUM VIAL	2-19-03 7:12A

 9 TOTAL No. OF SAMPLES COLLECTED:

ANALYSES REQUESTED:

BOD5	COD	CONDUCTANCE	COPPER	IRON	MERCURY
NITRATE	PH, TDS,	TOC, TSS,	ZINC	CHLOROPHYLL A	
FECAL COLIFORM		TOTAL HARDNESS		TOTAL NITROGEN	
TOTAL PHOSPHORUS		UNIONIZED AMMONIA			

PARAMETERS LISTED IN 40 CFR PART 258, APPENDIX I

PRESERVED SAMPLES PH < 2.0 ☒ SAMPLE STORAGE: COOLER & ICE TO 4.0 c

ABOVE LISTED SAMPLES:

RELINQUISHED BY: <u> <i>JD</i> </u>	REP. OF SOLID WASTE DEPT.	DATE TIME
ACCEPTED BY: <u> <i>JD</i> </u>	REP. OF COMMON CARRIER	<u>2-19-03</u> <u>10:5P</u>
RELINQUISHED BY: <u> <i>JD</i> </u>	REP. OF COMMON CARRIER	<u>2-20-03</u> <u>9:20</u>
ACCEPTED BY: <u> <i>JD</i> </u>	REP. OF CONTRACT LAB.	<u>2/20/03</u> <u>09:20</u>

COMMON CARRIER UTILIZED: GREYHOUND BUS LINES OTHER: _____

COMMENT'S: _____

**HILLSBOROUGH COUNTY DEPT. OF SOLID WASTE
COC SHEET SOUTHEAST LANDFILL WELL MONITORING PROGRAM**

PRECLEANED SAMPLE CONTAINERS:

RELINQUISHED BY: JL
ACCEPTED BY: DL
RELINQUISHED BY: 2/13
ACCEPTED BY: 2/13

REP. OF CONTRACT LAB.
REP. OF COMMON CARRIER
REP. OF COMMON CARRIER
REP. OF SOLID WASTE DEPT.

DATE | TIME
2/13/03 | 8:31
2/13/03 | 8:31
2-13-03 | 345P
2-13-03 | 345P

LOCATION: SURF SITE 3B2B SAMPLE MATRIX: WATER OTHER MATRIX:
PERSONAL ENGAGED IN SAMPLE COLLECTION: DJ | ABell

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
<u>DJ</u>	<u>807A</u>	<u>13.3</u>	<u>284</u>	<u>7.27</u>	<u>5.06</u>	<u>1203.7 NTU</u>

COLORS AND SHEENS: YES

H2O LEVEL - 1.53

CONTAINER CODE:

NO ☒

NO. COL.	TYPE	PRESERVATIVE	CONTAINER TYPE	COLLECTED DATE TIME
	BACTERIA	NA2SO4_X NONE	100 ML STERILE	<u>2-19-03</u> <u>807A</u>
<u>1</u>	CHLOROPHYLL	NONE	1 1 AMBER PLASTIC	
<u>2</u>	EDB	NONE	2-40 ml. SEPTUM VIAL	
<u>1</u>	GENERAL	NONE	1000 ml. PLASTIC	
<u>1</u>	METALS	2 ml. HNO3	500 ml. PLASTIC	
<u>1</u>	NUTRIENTS	2 ml. H2SO4	250 ml. PLASTIC	
<u>3</u>	VOC	1:1 HCL	3-40 ml. SEPTUM VIAL	

TOTAL No. OF SAMPLES COLLECTED: 9

ANALYSES REQUESTED:

BOD5	COD	CONDUCTANCE	COPPER	IRON	MERCURY
NITRATE	PH, TDS,	TOC, TSS,	ZINC	CHLOROPHYLL A	
FECAL COLIFORM		TOTAL HARDNESS		TOTAL NITROGEN	
TOTAL PHOSPHORUS		UNIONIZED AMMONIA			

PARAMETERS LISTED IN 40 CFR PART 258, APPENDIX I

PRESERVED SAMPLES PH < 2.0 ☒ SAMPLE STORAGE: COOLER & ICE TO 4.0 c

ABOVE LISTED SAMPLES:

RELINQUISHED BY: DJ
ACCEPTED BY: DL
RELINQUISHED BY: Jim Hoffman
ACCEPTED BY: DL

REP. OF SOLID WASTE DEPT. 2-19-03 | 105P
REP. OF COMMON CARRIER 2-19-03 | 105P
REP. OF COMMON CARRIER 2-20-03 | 920
REP. OF CONTRACT LAB. 2/20/03 | 0920

COMMON CARRIER UTILIZED: GREYHOUND BUS LINES OTHER: _____

COMMENT'S: _____

020532-4

**HILLSBOROUGH COUNTY DEPT. OF SOLID WASTE
COC SHEET SOUTHEAST LANDFILL WELL MONITORING PROGRAM**

PRECLEANED SAMPLE CONTAINERS:

RELINQUISHED BY: <u>3C</u>	REP. OF CONTRACT LAB. <u>2/13/03 18:34</u>
ACCEPTED BY: <u>DC</u>	REP. OF COMMON CARRIER <u>2/13/03 18:34</u>
RELINQUISHED BY: <u>TH</u>	REP. OF COMMON CARRIER <u>2-13-03 1345P</u>
ACCEPTED BY: <u>D. John</u>	REP. OF SOLID WASTE DEPT. <u>2-13-03 1345P</u>

LOCATION: SURF SITE 3C2 SAMPLE MATRIX: WATER OTHER MATRIX: _____
 PERSONAL ENGAGED IN SAMPLE COLLECTION: D. John | W. Ballman

FIELD PARAMETERS:

BY	TIME	TEMP	COND ^{umhos/cm}	PH	DO	TURB
<u>DJ</u>	<u>747A</u>	<u>13.2</u>	<u>242</u>	<u>7.31</u>	<u>7.8 mg/L</u>	<u>04.7 NTU</u>

COLORS AND SHEENS: YES _____ NO ☒

H2O LEVEL 1.52

CONTAINER CODE:

NO.	COL.	TYPE	PRESERVATIVE	CONTAINER TYPE	COLLECTED	
					DATE	TIME
		BACTERIA	NA2SO4_X_NONE	100 ml STERILE		
<u>1</u>		CHLOROPHYLL	NONE	1L AMBER PLASTIC	<u>2-19-03</u>	<u>1742A</u>
<u>2</u>		EDB	NONE	2-40 ml. SEPTUM VIAL		
<u>1</u>		GENERAL	NONE	<u>1/2 gal</u> 1000 ml. PLASTIC		
<u>1</u>		METALS	2 ml. HNO3	500 ml. PLASTIC		
<u>1</u>		NUTRIENTS	2 ml. H2SO4	250 ml. PLASTIC		
<u>3</u>		VOC	1:1 HCL	3-40 ml. SEPTUM VIAL		

9 TOTAL No. OF SAMPLES COLLECTED:

ANALYSES REQUESTED:

BOD5	COD	CONDUCTANCE	COPPER	IRON	MERCURY
NITRATE	PH, TDS,	TOC, TSS,	ZINC	CHLOROPHYLL A	
FECAL COLIFORM		TOTAL HARDNESS		TOTAL NITROGEN	
TOTAL PHOSPHORUS		UNIONIZED AMMONIA			

PARAMETERS LISTED IN 40 CFR PART 258, APPENDIX I

PRESERVED SAMPLES PH < 2.0 ☒ SAMPLE STORAGE: COOLER & ICE TO 4.0 c

ABOVE LISTED SAMPLES:

RELINQUISHED BY: <u>D. John</u>	REP. OF SOLID WASTE DEPT. <u>2-19-03 105P</u>
ACCEPTED BY: <u>D. John</u>	REP. OF COMMON CARRIER <u>2-19-03 105P</u>
RELINQUISHED BY: <u>W. Ballman</u>	REP. OF COMMON CARRIER <u>2-20-03 1920</u>
ACCEPTED BY: <u>W. Ballman</u>	REP. OF CONTRACT LAB. <u>2/20/03 6920</u>

COMMON CARRIER UTILIZED: GREYHOUND BUS LINES OTHER: _____

COMMENT'S: _____

020532-5

**HILLSBOROUGH COUNTY DEPT. OF SOLID WASTE
COC SHEET SOUTHEAST LANDFILL WELL MONITORING PROGRAM**

PRECLEANED SAMPLE CONTAINERS:

RELINQUISHED BY: <u>DL</u>	REP. OF CONTRACT LAB.	DATE TIME
ACCEPTED BY: <u>DL</u>	REP. OF COMMON CARRIER	2/13/03 8:31
RELINQUISHED BY: <u>JA</u>	REP. OF COMMON CARRIER	2/13/03 8:31
ACCEPTED BY: <u>DL</u>	REP. OF SOLID WASTE DEPT.	2-13-03 345P

LOCATION: SMITH LAKE -1D SAMPLE MATRIX: WATER OTHER MATRIX: _____
 PERSONAL ENGAGED IN SAMPLE COLLECTION: D. John | A. Ballman

FIELD PARAMETERS:

BY	TIME	TEMP	COND	PH	DO	TURB
<u>DJ</u>	<u>725A</u>	<u>16.8</u>	<u>221</u>	<u>7.02</u>	<u>2.34 ml/L</u>	<u>07.6 NTU</u>

COLORS AND SHEENS: YES

NO ☒

H2O LEVEL - 3' 12"

CONTAINER CODE:

NO. COL.	TYPE	PRESERVATIVE	CONTAINER TYPE	COLLECTED DATE TIME
	BACTERIA	NA2SO4_X NONE	100 ml STERILE Cup	
<u>1</u>	CHLOROPHYLL	NONE	1L AMBER PLASTIC	<u>2-19-03 725A</u>
<u>2</u>	EDB	NONE	2-40 ml. SEPTUM VIAL	
<u>1</u>	GENERAL	NONE	<u>1000</u> ml. PLASTIC	
<u>1</u>	METALS	2 ml. HNO3	500 ml. PLASTIC	
<u>1</u>	NUTRIENTS	2 ml. H2SO4	250 ml. PLASTIC	
<u>3</u>	VOC	1:1 HCL	3-40 ml. SEPTUM VIAL	

9 TOTAL No. OF SAMPLES COLLECTED:

ANALYSES REQUESTED:

BOD5	COD	CONDUCTANCE	COPPER	IRON	MERCURY
NITRATE	PH, TDS,	TOC, TSS,	ZINC	CHLOROPHYLL A	
FECAL COLIFORM		TOTAL HARDNESS		TOTAL NITROGEN	
TOTAL PHOSPHORUS		UNIONIZED AMMONIA			

PARAMETERS LISTED IN 40 CFR PART 258, APPENDIX I

PRESERVED SAMPLES PH < 2.0 ☒ SAMPLE STORAGE: COOLER & ICE TO 4.0 c

ABOVE LISTED SAMPLES:

RELINQUISHED BY: <u>DL</u>	REP. OF SOLID WASTE DEPT.	DATE TIME
ACCEPTED BY: <u>DL</u>	REP. OF COMMON CARRIER	2-10-03 105P
RELINQUISHED BY: <u>Jim Huffman</u>	REP. OF COMMON CARRIER	2-20-03 920
ACCEPTED BY: <u>DL</u>	REP. OF CONTRACT LAB.	2/20/03 10920

COMMON CARRIER UTILIZED: GREYHOUND BUS LINES OTHER: _____

COMMENT'S: _____

02.0532-2