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GW
SW
LEACHATE

July 8, 2006

Mr. John Morris, P.G.
Florida Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619-8318

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
JUL 14 2006
SOUTHWEST DISTRICT
TAMPA

Re: Semi-Annual Water Quality Monitoring Report
First Half 2006 Sampling Event
Lena Road Landfill
GMS ID No. 4041M02025
Modification #39884-012-SO/MM to existing FDEP Permit No. 39884-010-SO/01

Dear Mr. Morris:

On behalf of the Solid Waste Division of Manatee County's Utility Operations Department, PBS&J is pleased to present this Semi-Annual Water Quality Monitoring Report for the first half 2006 sampling event at the Lena Road Landfill (LRL) in Manatee County. This document is designed to meet the requirements of Specific Condition 11 of the modification referenced above to LRL's permit, and was prepared in general accordance with the guidelines promulgated in Chapter 62-701.510(9)(a) of the Florida Administrative Code (FAC).

BACKGROUND

The LRL facility is located at 3333 Lena Road in Bradenton, Florida. The LRL facility operates under Permit Number 39884-010-SO, which is on file with the Florida Department of Environmental Protection (FDEP). The LRL is constructed with a perimeter slurry wall in three stages that are designated Stages I, II and III. Landfill leachate is collected by a leachate collection system.

The water quality monitoring network at the LRL consists of the following components:

- The leachate samples are collected from the lift stations.
- Groundwater samples are collected from 18 monitoring wells, which are designated GW-1 through GW-17, and BGW-1. All of the wells are used to monitor the quality of the groundwater of the surficial aquifer. GW-1 through GW-17 are detection wells, and BGW-1 is the designated background well. This is a new groundwater monitoring network at the LRL. All of these wells except GW-11 were installed in the summer of

2005. The old well network was abandoned at that time. Installation of GW-11 was postponed until April 2006 because of construction activities.

- The surface water samples are collected from two points along the Cypress Strand. One is located upstream of the LRL and is designated SW-2, and the other, designated SW-1, is located downstream of the LRL.

The layout of the water quality monitoring network is presented in Figure 1.

Leachate, groundwater and surface water samples were collected from the LRL network for the first half 2006 sampling event during the period between February 27 and 28, 2006. The samples were collected by representatives of Southern Analytical Laboratories, Inc. The samples were analyzed for the inorganic parameters by Manatee County Utility Operations' Central Wastewater Laboratory, and were analyzed for the other parameters by Southern Analytical Laboratories, Inc. The leachate, surface water and groundwater samples were analyzed for the parameters listed in Specific Conditions 8(a), 9(c) and 4 (c), respectively, of the LRL's permit modification. Because of the delay in installing GW-11, it was sampled initially in April 2006. The sample was analyzed for the parameters listed in Specific Condition 4(b) of the LRL's permit modification. The results of the initial sampling are included in this report.

A Florida Department of Environmental Protection (FDEP) Ground Water Monitoring Report form for the first half 2006 sampling event at the LRL is provided in Attachment A.

FIRST HALF 2006 SAMPLING EVENT METHODOLOGY

The samples were collected in general accordance with the FDEP's Standard Operating Procedure for Field Activities (SOP 001/01). Prior to sampling the monitoring wells, they were purged with a peristaltic pump using the "low-flow" method. A minimum equivalent of three well volumes was purged from each well prior to sample collection. Temperature, pH, conductivity, dissolved oxygen (DO), and turbidity measurements were monitored and recorded throughout the purging process to ensure that representative water samples were collected. Copies of the field data sheets and the field equipment calibration logs from this sampling event are provided in Attachment B.

Depth-to-groundwater measurements were made from the top-of-casing (TOC) at each monitoring well prior to initiating the purging process. The water level measurements were subtracted from the TOC elevations to determine the elevation of the water table at each well. The TOC and water level elevations are referenced in feet above the National Geodetic Vertical Datum (NGVD).

FIRST HALF 2006 SAMPLING EVENT RESULTS

Leachate Analytical Results

The only detections in the leachate samples during this sampling event were numerous inorganic analytes, which were detected in all three leachate samples, and one pesticide/herbicide, 2,4,5-T, which was detected in one leachate sample. The concentration of every parameter that was detected in the leachate was compared to the regulatory levels listed in 40 CFR Part 261.24, as required by the Florida solid waste regulations. A standard has not been established for every parameter. None of the parameter concentrations detected in the leachate exceeded their respective regulatory level.

A summary of the leachate analytical results is presented in Table 1. The complete leachate analytical report is provided in Attachment C-1.

Groundwater Analytical Results

The only analytes that were detected in the groundwater during this sampling event were inorganic parameters, including all of those that were tested except for beryllium, cadmium, copper, lead, mercury, and silver. A summary of the groundwater analytical results is presented in Table 2. The complete groundwater analytical report is provided in Attachment C-2.

All of the parameters detected in the groundwater samples were compared to their respective Maximum Contaminant Level (MCL) or Secondary Drinking Water Standard (SDWS) in accordance with the solid waste regulations. The MCLs and SDWSs for Drinking Water Standards, Monitoring, and Reporting are promulgated in Chapter 62-550 FAC. Not every parameter has an MCL or SDWS. Six parameters, pH, antimony, arsenic, chloride, iron, and TDS, were detected in at least one well location at a concentration that exceeds the standards. A description of the detection patterns with these parameters is as follows:

- pH – The pH was lower than the prescribed SDWS range of 6.5 to 8.5 at all of the wells except GW-1, GW-2, GW-6, GW-9, GW-10, GW-14, and GW-16. The pH was also outside of the prescribed range at the background well.

- Antimony - The MCL for antimony is 0.006 milligrams per liter (mg/L). The antimony concentration in the samples collected at GW-13 exceeded the MCL.

- Arsenic – The MCL for arsenic is 0.01 mg/L. The arsenic concentration in the samples collected at GW-1, GW-2, GW-5, GW-9, GW-12, GW-14, and GW-15 exceeded the MCL.

- Chloride – Chloride has an SDWS of 250 mg/L. The concentration of chloride exceeded the SDWS in the sample collected at GW-14.

- Iron – Iron has an SDWS of 0.3 mg/L. The concentration of iron exceeded the SDWS in the samples collected at all of the wells except GW-7, GW-8, and BGW-1.

- TDS - TDS has an SDWS of 500 mg/L. The concentration of TDS exceeded the SDWS in the samples collected at GW-10, GW-13, and GW-14.

GW-11 Analytical Results

The analytical results at GW-11 were similar to those of the rest of the wells in the network with exceedances of pH and iron. There were also detections of some base neutral analytes at very low concentrations.

A summary of the initial groundwater analytical results at GW-11 is presented in Table 3. The complete groundwater analytical report is provided in Attachment C-2.

Surface Water Analytical Results

There were no organic constituents detected in the surface water. However, all of the inorganic parameters except antimony, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, and silver were detected in at least one of the surface water samples. The concentrations of the inorganic parameters were compared to their respective Surface Water Cleanup Target Levels (SWCTLs) for Class III fresh water as a relative measure of the water quality. The SWCTLs are promulgated in Chapter 62-777, FAC. The only parameters that was detected in the surface water at a concentration in excess of its SWCTL were fecal coliform at SW-1, and arsenic, fecal coliform, and iron at SW-2. The field dissolved oxygen (DO) reading at SW-2 was also lower than the target level.

A summary of the surface water analytical results for each sampling event is presented in Table 4. The complete surface water analytical report is provided in Attachment C-3.

Groundwater Flow Pattern

The groundwater elevation data is presented in Table 5. The water level elevation data was plotted and contoured to generate the water table elevation contour map presented as Figure 2. The configuration of the water table indicates that the groundwater within the surficial aquifer

beneath the LRL (outside the boundary of the landfill) was flowing in a north-northwesterly direction during this sampling event. The average horizontal gradient of the water table across the site measured 0.0025 feet per foot (ft/ft).

SUMMARY AND CONCLUSIONS

The results of the first half 2006 sampling event at the LRL are similar to those of the recent sampling events, with numerous inorganic parameter detections in the leachate, groundwater and surface water, along with a few organic detections. The only parameters that were detected at concentrations in excess of the State regulatory standards were inorganic parameters in the groundwater and surface water, including pH, antimony, arsenic, chloride, iron, and TDS in the groundwater, and arsenic, fecal coliform, and iron in the surface water. The parameters that were consistently detected were pH and iron. Both of these parameters have SDWSs. These parameters were also detected at elevated concentrations at the background wells, suggesting that their presence reflects the natural chemistry of the groundwater in the area.

If you have any questions regarding this report or need any additional information then please call me at (407) 647-7275, ext. 4339.

Very truly yours,

Greg Mudd, P.G.
Senior Geologist

C: Mr. Gus DiFonzo, Manatee County Solid Waste Division
File, 120498.91 9300

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TABLES

Table 1
Leachate Analytical Summary
Lena Road Landfill
First Half 2006

Analyte	Location:		Lift Station #1	Lift Station #2	Lift Station #3
	Sample Identifier:		Phase I	Phase II	
	Date of Test:		02/27/06	02/27/06	02/27/06
	Standard(1)	Units			
Field Measurements					
pH		STD	6.5	6.4	6.3
Conductivity		umhos/cm	1520	1459	1098
Dissolved Oxygen (DO)		mg/l	0.9	0.6	1.3
Inorganics					
Antimony		mg/l	0.004	0.003	0.003
Arsenic	5.0	mg/l	0.011	0.014	0.012
Barium	100	mg/l	0.109	0.031	0.028
Beryllium		mg/l	≤0.0002	≤0.0002	≤0.0002
Bicarbonate alkalinity		mg/l	1650	551	484
Cadmium	1.0	mg/l	≤0.0005	≤0.0005	≤0.0005
Chloride		mg/l	604	65.8	37.4
Chromium		mg/l	0.007	0.002	0.002
Cobalt		mg/l	0.014	0.002	0.002
Copper		mg/l	0.008	0.005	0.007
Cyanide		mg/l	<0.0005	<0.0005	<0.0005
Iron		mg/l	15	4.97	5.03
Lead	5,000	mg/l	≤0.005	≤0.005	≤0.005
Mercury	200	mg/l	≤0.100	≤0.100	≤0.100
Nickel		mg/l	0.015	0.007	0.007
Nitrate		mg/l	≤0.006	0.284	0.192
Selenium	1.0	mg/l	0.005	0.002	0.003
Silver	5.0	mg/l	≤0.002	≤0.002	≤0.002
Sodium		mg/l	356	48.2	33.1
Total Ammonia - N		mg/l	210	37.9	29
Thallium		mg/l	≤0.0004	0.001	0.001
Tin as SN		mg/l	<0.1	<0.1	<0.1
Total Dissolved Solids (TDS)		mg/l	2330	693	5995
Total Sulfide		mg/l	3	3.5	0.56
Vanadium		mg/l	0.028	0.004	0.003
Zinc		mg/l	0.025	0.02	0.038
Pesticides & Herbicides					
2,4-D	10,000	ug/l	<0.36	<0.36	<0.36
2,4,5-T		ug/l	<0.046	<0.046	<0.046
3 & 4 methylphenol		ug/l	<0.72	3.7	<0.72
A-BHC		ug/l	<0.0025	<0.0026	<0.0024
Aldrin		ug/l	<0.0028	<0.0029	<0.0026
B-BHC		ug/l	<0.0040	<0.0041	<0.0038
Chlordane	30	ug/l	<0.0038	<0.0039	<0.0036
D-BHC		ug/l	<0.003	<0.0031	<0.0028
Dieldrin		ug/l	<0.0018	<0.0019	<0.0017
Dinoseb		ug/l	<0.42	<0.42	<0.42
Endosulfan Sulfate		ug/l	<0.0019	<0.0021	<00018
Endosulfan-I		ug/l	<0.0017	<0.008	<0.0016
Endosulfan-II		ug/l	<0.0018	<0.0019	<0.0017
Endrin	20	ug/l	<0.002	<0.0021	<0.0019
Endrin Aldehyde		ug/l	<0.0025	<0.0026	<0.0024
G-BHC(Lindane)	400	ug/l	<0.002	<0.0021	<0.0019
Heptachlor	8	ug/l	<0.002	<0.0021	<0.0019
Heptachlor Epoxide		ug/l	<0.002	<0.0021	<0.0019
Methoxychlor	10,000	ug/l	<0.0031	<0.0032	<0.0029

Analyte	Location:		Lift Station #1	Lift Station #2	Lift Station #3
	Sample Identifier:		Phase I	Phase II	
	Date of Test:		02/27/06	02/27/06	02/27/06
	Standard(1)	Units			
PCB-1016		ug/l	<0.32	<0.33	<0.30
PCB-1221		ug/l	<0.46	<0.47	<0.43
PCB-1232		ug/l	<0.19	<0.20	<0.18
PCB-1242		ug/l	<0.34	<0.35	<0.32
PCB-1248		ug/l	<0.12	<0.12	<0.11
PCB-1254		ug/l	<0.079	<0.80	<0.0.74
PCB-1260		ug/l	<0.064	<0.065	<0.059
PP-DDD		ug/l	<0.0016	<0.0016	<0.0015
PP-DDE		ug/l	<0.0021	<0.0022	<0.0020
PP-DDT		ug/l	<0.0026	<0.0027	<0.0025
Silvex	1,000	ug/l	<0.036	<0.036	<0.036
Toxaphene	500	ug/l	<0.31	<0.32	<0.29
Organics, Acid Extractables					
2,4,6-Trichlorophenol	2,000	ug/l	<1.3	<1.3	<1.3
2,3,4,6-Tetrachlorophenol		ug/l	<3.6	<3.6	<3.6
2,4,5-Trichlorophenol	400,000	ug/l	<1.6	<1.6	<1.6
2,4-Dichlorophenol		ug/l	<1.0	<1.0	<1.0
2,4-Dimethylphenol		ug/l	<2.5	<2.5	<2.5
2,4-Dinitrophenol		ug/l	<1.3	<1.3	<1.3
2,6-Dichlorophenol		ug/l	<0.68	<0.68	<0.68
2-Chlorophenol		ug/l	<0.78	<0.78	<0.78
2-Methyphenol		ug/l	<0.94	<0.94	<0.94
2-Nitrophenol		ug/l	<1.0	<1.0	<1.0
4,6-Dinitro-2-methylphenol		ug/l	<1.3	<1.3	<1.3
4-Chloro-3-methylphenol		ug/l	<1.6	<1.6	<1.6
4-Nitrophenol		ug/l	<2.4	<2.4	<2.4
Pentachlorophenol	100,000	ug/l	<2.1	<2.1	<2.1
Phenol		ug/l	<0.66	<0.66	<0.66
Base Neutrals					
1,2,4,5-Tetrachlorobenzene		ug/l	<0.85	<0.85	<0.85
1,2,4-Trichlorobenzene		ug/l	<1.4	<1.4	<1.4
1,3,5-Trinitrobenzene		ug/l	<0.55	<0.55	<0.55
1,3-Dinitrobenzene		ug/l	<1.6	<1.6	<1.6
1,4-Naphthoquinone		ug/l	<0.32	<0.32	<0.32
1-Naphthylamine		ug/l	<0.58	<0.58	<0.58
2,4-Dinitrotoluene	13,000	ug/l	<1.1	<1.1	<1.1
2,6-Dinitrotoluene		ug/l	<1.0	<1.0	<1.0
2-Acetylaminoflourene		ug/l	<0.94	<0.94	<0.94
2-Chloronaphthalene		ug/l	<0.78	<0.78	<0.78
2-Methylnaphthalene		ug/l	<1.0	<1.0	<1.0
2-Naphthylamine		ug/l	<0.59	<0.59	<0.59
2-Nitroaniline		ug/l	<1.0	<1.0	<1.0
3,3-Dichlorobenzidine		ug/l	<0.51	<0.51	<0.51
3,3-Dimethylbenzidine		ug/l	<2.8	<2.8	<2.8
3-Methylcholanthrene		ug/l	<0.58	<0.58	<0.58
3-Nitroaniline		ug/l	<1.9	<1.9	<1.9
4-Aminobiphenyl		ug/l	<0.55	<0.55	<0.55
4-Bromophenyl-phenylether		ug/l	<0.77	<0.77	<0.77
4-Chloroaniline		ug/l	<0.57	<0.57	<0.57
4-Chlorophenylphenylether		ug/l	<0.60	<0.60	<0.60
4-Nitronaline		ug/l	<1.0	<1.0	<1.0
5-Nitro-o-toluidine		ug/l	<0.70	<0.70	<0.70
7,12-Dimethylbenz(a)anthracene		ug/l	<0.32	<0.32	<0.32
Acenaphthene		ug/l	<0.94	<0.94	<0.94
Acenaphthylene		ug/l	<0.64	<0.64	<0.64

Analyte	Location:		Lift Station #1	Lift Station #2	Lift Station #3
	Sample Identifier:		Phase I	Phase II	
	Date of Test:		02/27/06	02/27/06	02/27/06
	Standard(1)	Units			
Acetophenone		ug/l	<0.76	<0.76	<0.76
Anthracene		ug/l	<0.58	<0.58	<0.58
Benzo(a)anthracene		ug/l	<0.94	<0.94	<0.94
Benzo(a)pyrene		ug/l	<0.53	<0.53	<0.53
Benzo(b)flouranthene		ug/l	<1.9	<1.9	<1.9
Benzo(g,h,i)perylene		ug/l	<0.59	<0.59	<0.59
Benzo(k)flouranthene		ug/l	<0.51	<0.51	<0.51
Benzyl alcohol		ug/l	<0.84	<0.84	<0.84
Bis(2-chloroethoxy)methane		ug/l	<0.75	<0.75	<0.75
Bis(2-chloroethyl)ether		ug/l	<0.92	<0.92	<0.92
Bis(2-chloro-1-methylethyl)ether		ug/l	<0.75	<0.75	<0.75
Bis(2-ethylhexyl)phthalate		ug/l	<1.8	<1.8	<1.8
Butylbenzylphthalate		ug/l	<1.4	<1.4	<1.4
Chlorobenzilate		ug/l	<0.019	<0.02	<0.018
Chrysene		ug/l	<0.29	<0.29	<0.29
Diallate		ug/l	<0.43	<0.43	<0.43
Dibenz(a,h)anthracene		ug/l	<0.54	<0.54	<0.54
Dibenzofuran		ug/l	<1.1	<1.1	<1.1
Diethylphthalate		ug/l	<1.3	<1.3	<1.3
Dimethoate		ug/l	<0.32	<0.27	<0.23
Dimethylphthalate		ug/l	<0.94	<0.94	<0.94
Di-N-butylphthalate		ug/l	<1.2	<1.2	<1.2
Di-N-octylphthalate		ug/l	<2.0	<2.0	<2.0
Diphenylamine		ug/l	<1.0	<1.0	<1.0
Disulfoton		ug/l	<0.42	<0.42	<0.42
Ethylmethanesulfonate		ug/l	<0.87	<0.87	<0.87
Famfur		ug/l	<0.17	<0.17	<0.17
Flouranthene		ug/l	<0.28	<0.28	<0.28
Flourene		ug/l	<0.58	<0.58	<0.58
Hexachlorobenzene	130	ug/l	<0.57	<0.57	<0.57
Hexachlorobutadiene	500	ug/l	<1.0	<1.0	<1.0
Hexachlorocyclopentadiene		ug/l	<0.46	<0.46	<0.46
Hexachloroethane	3,000	ug/l	<1.3	<1.3	<1.3
Hexylchloropropene		ug/l	<0.59	<0.59	<0.59
Indeno(1,2,3-cd)pyrene		ug/l	<0.81	<0.81	<0.81
Isodrin		ug/l	<0.0043	<0.0044	<0.0041
Isophorone		ug/l	<0.77	<0.77	<0.77
Isosafrole		ug/l	<0.85	<0.85	<0.85
Kepone		ug/l	<1.4	<1.4	<1.4
Methapyrilene		ug/l	<0.94	<0.94	<0.94
Methyl parathion		ug/l	<0.32	<0.32	<0.32
Methylmethanesulfonate		ug/l	<0.58	<0.58	<0.58
Naphthalene		ug/l	<0.94	<0.94	<0.94
Nitrobenzene	2,000	ug/l	<0.75	<0.75	<0.75
N-Nitrosodiethylamine		ug/l	<0.94	<0.94	<0.94
N-Nitrosodimethylamine		ug/l	<1.3	<1.3	<1.3
N-Nitrosodi-n-butylamine		ug/l	<0.62	<0.62	<0.62
N-Nitroso-di-n-propylamine		ug/l	<1.5	<1.5	<1.5
N-Nitrosodiphenylamine		ug/l	<1.0	<1.0	<1.0
N-Nitrosoethylmethylamine		ug/l	<1.1	<1.1	<1.1
N-Nitrosopiperidine		ug/l	<0.94	<0.94	<0.94
N-Nitrosopyrrolidine		ug/l	<0.66	<0.66	<0.66
0,0,0-Triethylphosphorothioate		ug/l	<0.75	<0.75	<0.75
Ortho-toluidine		ug/l	<0.60	<0.60	<0.60
Para-Phenylenediamine		ug/l	<470	<470	<470
Parathion		ug/l	<0.22	<0.22	<0.22

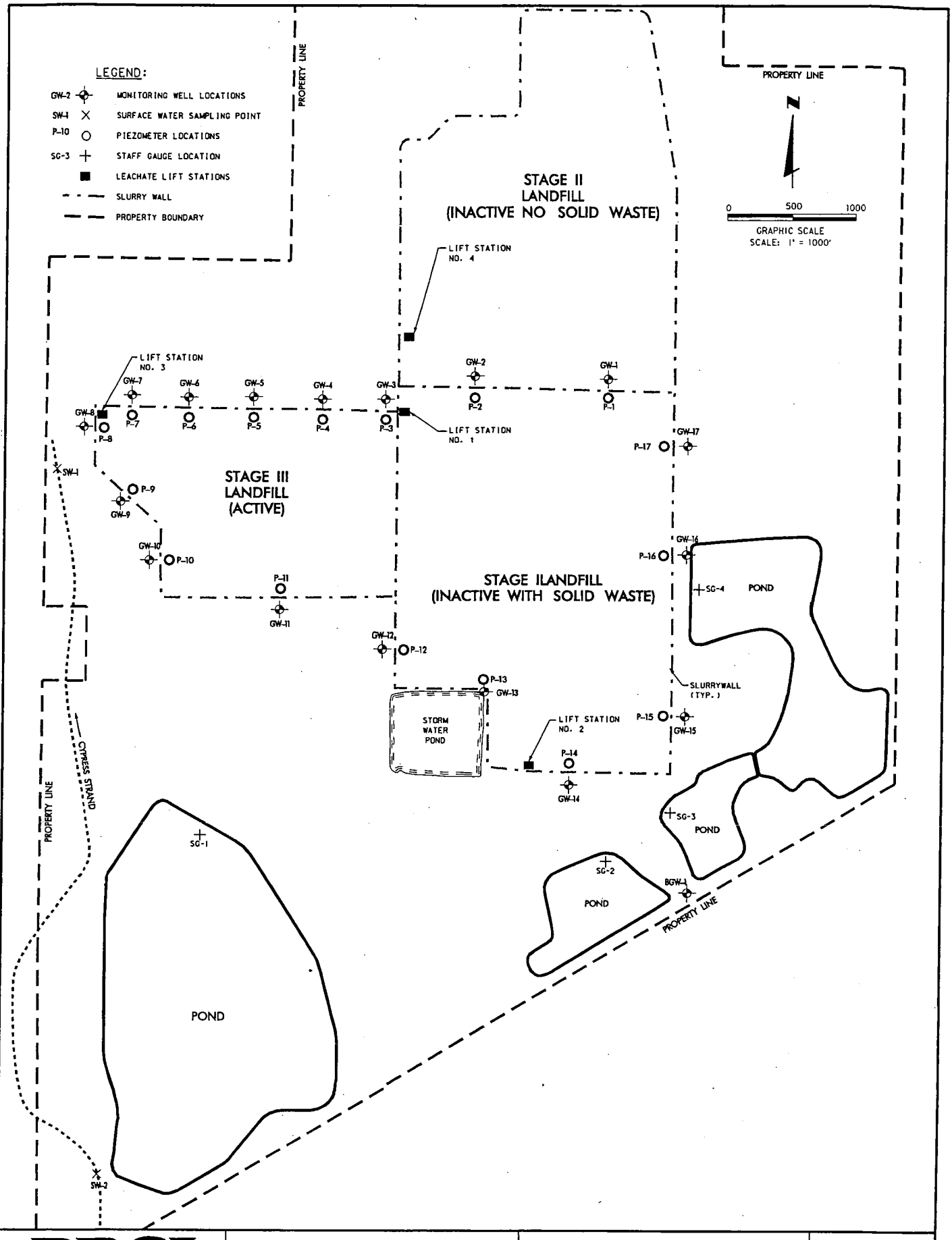
Analyte	Location:		Lift Station #1	Lift Station #2	Lift Station #3
	Sample Identifier:		Phase I	Phase II	
	Date of Test:		02/27/06	02/27/06	02/27/06
	Standard(1)	Units			
P-Dimethlaminoazobenzene		ug/l	<0.37	<0.37	<0.37
Pentachlorobenzene		ug/l	<0.94	<0.94	<0.94
Pentachloronitrobenzene		ug/l	<0.51	<0.51	<0.51
Phenacetin		ug/l	<0.50	<0.50	<0.50
Phenanathrene		ug/l	<0.47	<0.47	<0.47
Phorate		ug/l	<0.28	<0.28	<0.28
Pronamide		ug/l	<0.33	<0.33	<0.33
Pyrene		ug/l	<0.34	<0.34	<0.34
Safrole		ug/l	<1.0	<1.0	<1.0
Thionazin		ug/l	<0.11	<0.11	<0.11
Volatile Organics					
1,1,1,2-Tetrachloroethane		ug/l	<0.63	<0.63	<0.63
1,1,1-Trichloroethane		ug/l	<0.46	<0.46	<0.46
1,1,2,2-Tetrachloroethane		ug/l	<0.14	<0.14	<0.14
1,1,2-Trichloroethane		ug/l	<0.47	<0.47	<0.47
1,1-Dichloroethane		ug/l	<0.52	<0.52	<0.52
1,1-Dichloroethene	700	ug/l	<0.45	<0.45	<0.45
1,1-Dichloropropene		ug/l	<0.31	<0.31	<0.31
1,2,3-Trichloropropane		ug/l	<0.15	<0.15	<0.15
1,2-Dichlorobenzene		ug/l	<0.44	<0.44	<0.44
1,2-Dichloroethane	500	ug/l	<0.57	<0.57	<0.57
1,2-Dichloropropane		ug/l	<0.52	<0.52	<0.52
1,3-Dichlorobenzene		ug/l	<0.64	<0.64	<0.64
1,3-Dichloropropane		ug/l	<0.39	<0.39	<0.39
1,4-Dichlorobenzene	7,500	ug/l	<1.8	<1.7	<1.2
2,2-Dichloropropane		ug/l	<0.36	<0.36	<0.36
2-Butanone		ug/l	<8.4	<8.4	<8.4
2-Hexanone		ug/l	<4.4	<4.4	<4.4
4-Methlyl-2-pentanone		ug/l	<3.8	<3.8	<3.8
Acetone		ug/l	<9.9	<9.9	<9.9
Acetonitrile		ug/l	<75	<75	<75
Acrolein		ug/l	<3.8	<3.8	<3.8
Acrylonitrile		ug/l	<1.2	<1.2	<1.2
Allyl chloride		ug/l	<1.1	<1.1	<1.1
Benzene	500	ug/l	<0.90	<0.87	<0.82
Bromochloromethane		ug/l	<0.58	<0.58	<0.58
Bromodichloromethane		ug/l	<0.35	<0.35	<0.35
Bromomethane		ug/l	<0.66	<0.66	<0.66
Carbon disulfide		ug/l	<0.85	<0.85	<0.85
Carbon tetrachloride	500	ug/l	<0.42	<0.42	<0.42
Chlorobenzene	100,000	ug/l	<5.0	<4.7	<4.8
Chloroethane		ug/l	<0.80	<0.80	<0.80
Chloromethane		ug/l	<0.64	<0.64	<0.64
Chloroprene		ug/l	<0.89	<0.89	<0.89
cis-1,2-Dichloroethene		ug/l	<0.65	<0.65	<0.65
cis-1,3-Dichloropropene		ug/l	<0.14	<0.14	<0.14
Dibromochloromethane		ug/l	<0.34	<0.34	<0.34
Dibromochloropropane		ug/l	<0.74	<0.74	<0.74
Dibromomethane		ug/l	<0.41	<0.41	<0.41
Dichlorodiflouromethane		ug/l	<0.40	<0.48	<0.48
Dichloromethane		ug/l	<4.0	<4.0	<4.0
Ethyl methacrylate		ug/l	<0.53	<0.53	<0.53
Ethylbenzene		ug/l	<0.44	<0.44	<0.44
Ethylene dibromide		ug/l	<0.50	<0.50	<0.50
Iodomethane		ug/l	<0.67	<0.67	<0.67
Isobutyl Alcohol		ug/l	<31	<31	<31
Methacrylonitrile		ug/l	<1.8	<1.8	<1.8
Methyl methacrylate		ug/l	<0.66	<0.66	<0.66
Propionitrile		ug/l	<7.2	<7.2	<7.2
Styrene		ug/l	<0.98	<0.98	<0.98
t-1,4-Dichloro-2-butene		ug/l	<2.5	<2.5	<2.5
Tetrachloroethene	700	ug/l	<0.34	<0.34	<0.34
Toluene		ug/l	<0.51	<0.53	<0.53
Total Xylenes		ug/l	<0.30	<0.30	<0.30

Analyte	Location:		Lift Station #1	Lift Station #2	Lift Station #3
	Sample Identifier:		Phase I	Phase II	
	Date of Test:		02/27/06	02/27/06	02/27/06
	Standard(1)	Units			
trans-1,2-Dichloroethene		ug/l	<0.44	<0.44	<0.44
trans-1,3-Dichloropropene		ug/l	<0.14	<0.14	<0.14
Tribromomethane		ug/l	<0.58	<0.58	<0.58
Trichloroethene	500	ug/l	<0.28	<0.28	<0.28
Trichlorofluoromethane		ug/l	<0.98	<0.98	<0.98
Trichloromethane		ug/l	<0.90	<0.90	<0.90
Vinyl acetate		ug/l	<1.5	<1.5	<1.5
Vinyl chloride	200	ug/l	<2..1	<0.50	<2.8

Notes: (1) - Regulatory standard listed in 40 CFR Part 261.24. Analyte concentrations shown with shading represent an exceedance ot the regulatory level.

Abbreviations: BDL = below detection limits; mg/l = milligrams per liter; ug/l = micrograms per liter; NTU = nepholometric turbidity units.

FIGURES



PBS&J	LENA ROAD LANDFILL MANATEE COUNTY, FLORIDA	WATER QUALITY MONITORING NETWORK	FIG. 1

\\ORLFS1\ECS$\SO\OLDG\HAZARD\MANATEE\LENAROADLANDFILL\SEMIANNUALREPORTFIRSTHALF2006\MONITORINGWALLLOCATION-FIG-1(070506).DGN

06-JUL-2006 09:19 --- EMP. NO: 20050

ATTACHMENT C

Laboratory Analytical Reports

Attachment C-1

Leachate Analytical Report

REPORT OF ANALYSIS

MANATEE COUNTY UTILITY OPERATIONS
CENTRAL WASTEWATER LABORATORY
5101 65 TH STREET WEST
BRADENTON, FL 34210

Phone: (941) 792-8811 ext. 5285

Fax: (941) 795-3452

FDOHLAB ID: E54560

USEPA LAB CODE: FL00031

Laboratory Contact: Jeff Goodwin

PREPARED FOR: Mr. Gus Difonzo
MCUOD Solid Waste Division
4410 66th Street West
Bradenton, FL 34210

SAMPLE RECEIPT DATE: 02/27/2006
REPORT DATE: 4/20/2006
PROJECT NAME: Lena Road Semi-Annual Leachate Monitoring Report

ata Release Authorization:

The Methods of analysis in this report are in accordance with MCUOD Central Wastewater laboratory's Quality Assurance Manual d meet all NELAC standards except where noted. Results pertain only to items tested and to the samples specified. This report ay not be reproduced, except in full, without the written approval of this laboratory.

effrey A. Goodwin, Laboratory Supervisor

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Sample ID AE09956 Collection Date / Time 02/27/2006 08:50								
Sample Point Lena Road Leachate Lift Station # 1								
Chloride by Ion Chromatography	EPA 300.0	604	mg/L		03/02/2006	15:06	0.250	1.00	EMM
Nitrate as N by Ion Chromatography	EPA 300.0	<MDL	mg/L	U	02/28/2006	09:57	0.006	0.025	IR
Metals by 200.7									
Chromium	EPA 200.7	0.007	mg/L		03/15/2006	10:37	0.001	0.003	WWC
Zinc	EPA 200.7	0.025	mg/L	I	03/15/2006	10:37	0.010	0.030	WWC
Vanadium	EPA 200.7	0.028	mg/L		03/15/2006	10:37	0.0005	0.002	WWC
Sodium	EPA 200.7	356	mg/L		03/15/2006	10:37	0.500	1.50	WWC
Silver	EPA 200.7	< MDL	mg/L	U	03/15/2006	10:37	0.002	0.006	WWC
Nickel	EPA 200.7	0.015	mg/L		03/15/2006	10:37	0.001	0.003	WWC
Magnesium	EPA 200.7	65.3	mg/L		03/15/2006	10:37	0.005	0.015	WWC
Lead	EPA 200.7	< MDL	mg/L	U	03/15/2006	10:37	0.005	0.015	WWC
Iron	EPA 200.7	15.0	mg/L		03/15/2006	10:37	0.010	0.030	WWC
Cobalt	EPA 200.7	0.014	mg/L		03/15/2006	10:37	0.001	0.003	WWC
Calcium	EPA 200.7	156	mg/L		03/15/2006	10:37	0.010	0.030	WWC
Copper	EPA 200.7	0.008	mg/L	I	03/15/2006	10:37	0.005	0.015	WWC
Beryllium	EPA 200.7	< MDL	mg/L	U	03/15/2006	10:37	0.0002	0.0006	WWC
Barium	EPA 200.7	0.109	mg/L		03/15/2006	10:37	0.0005	0.002	WWC
Arsenic	EPA 200.7	0.011	mg/L	I	03/15/2006	10:37	0.007	0.021	WWC
Cadmium	EPA 200.7	< MDL	mg/L	U	03/15/2006	10:37	0.0005	0.002	WWC
Mercury Cold Vapor	EPA 245.1	< MDL	ug/L	U	03/21/2006	11:12	0.100	0.300	WWC
Antimony by GFAAS	EPA 204.2	0.004	mg/L	I	03/10/2006	11:18	0.0015	0.006	WC
Selenium by GFAAS	EPA 270.2	0.005	mg/L		04/07/2006	14:27	0.0002	0.001	WWC
Thallium by GFAAS	EPA 279.2	< MDL	mg/L	U	03/14/2006	10:38	0.0004	0.002	WWC
Ammonia	EPA 350.1	210	mg/L		02/28/2006	10:02	0.011	0.054	EMM
Total Dissolved Solids	SM 2540 C	2330	mg/L		03/05/2006	11:20	2.50	7.50	IR
Alkalinity as CaCO3	SM 2320B	1650	mg/L		02/28/2006	12:05	0.600	1.80	LSK
Sample ID AE09957 Collection Date / Time 02/27/2006 09:30								
Sample Point Lena Road Leachate Lift Station # 2								
Chloride by Ion Chromatography	EPA 300.0	65.8	mg/L		03/03/2006	12:47	0.250	1.00	EMM
Nitrate as N by Ion Chromatography	EPA 300.0	0.284	mg/L		02/28/2006	10:09	0.006	0.025	IR

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Metals by 200.7								
Chromium	EPA 200.7	0.002	mg/L	I	03/15/2006	11:24	0.001	0.003	WWC
Beryllium	EPA 200.7	< MDL	mg/L	U	03/15/2006	11:24	0.0002	0.0006	WWC
Barium	EPA 200.7	0.031	mg/L		03/15/2006	11:24	0.0005	0.002	WWC
Cadmium	EPA 200.7	< MDL	mg/L	U	03/15/2006	11:24	0.0005	0.002	WWC
Copper	EPA 200.7	0.005	mg/L	I	03/15/2006	11:24	0.005	0.015	WWC
Iron	EPA 200.7	4.97	mg/L		03/15/2006	11:24	0.010	0.030	WWC
Arsenic	EPA 200.7	0.014	mg/L	I	03/15/2006	11:24	0.007	0.021	WWC
Lead	EPA 200.7	< MDL	mg/L	U	03/15/2006	11:24	0.005	0.015	WWC
Nickel	EPA 200.7	0.007	mg/L		03/15/2006	11:24	0.001	0.003	WWC
Zinc	EPA 200.7	0.020	mg/L	I	03/15/2006	11:24	0.010	0.030	WWC
Vanadium	EPA 200.7	0.004	mg/L		03/15/2006	11:24	0.0005	0.002	WWC
Sodium	EPA 200.7	48.2	mg/L		03/15/2006	11:24	0.500	1.50	WWC
Silver	EPA 200.7	< MDL	mg/L	U	03/15/2006	11:24	0.002	0.006	WWC
Cobalt	EPA 200.7	0.002	mg/L	I	03/15/2006	11:24	0.001	0.003	WWC
Mercury Cold Vapor	EPA 245.1	< MDL	ug/L	U	03/21/2006	11:15	0.100	0.300	WWC
Antimony by GFAAS	EPA 204.2	0.003	mg/L	I	03/10/2006	11:26	0.0015	0.006	WC
Selenium by GFAAS	EPA 270.2	0.002	mg/L		04/07/2006	14:35	0.0002	0.001	WWC
Thallium by GFAAS	EPA 279.2	0.001	mg/L	I	03/14/2006	10:46	0.0004	0.002	WWC
Ammonia	EPA 350.1	37.9	mg/L		02/28/2006	10:41	0.011	0.054	EMM
Total Dissolved Solids	SM 2540 C	693	mg/L		03/02/2006	10:30	2.50	7.50	LK/ IR
Alkalinity as CaCO3	SM 2320B	551	mg/L		02/28/2006	12:05	0.600	1.80	LSK

Sample ID AE09958 Collection Date / Time 02/27/2006 09:10

Sample Point Lena Road Leachate Lift Station # 3

Chloride by Ion Chromatography	EPA 300.0	37.4	mg/L		03/02/2006	15:29	0.250	1.00	EMM
Nitrate as N by Ion Chromatography	EPA 300.0	0.192	mg/L		02/28/2006	10:22	0.006	0.025	IR
Metals by 200.7									
Beryllium	EPA 200.7	< MDL	mg/L	U	03/15/2006	11:30	0.0002	0.0006	WWC
Vanadium	EPA 200.7	0.003	mg/L		03/15/2006	11:30	0.0005	0.002	WWC
Sodium	EPA 200.7	33.1	mg/L		03/15/2006	11:30	0.500	1.50	WWC
Silver	EPA 200.7	< MDL	mg/L	U	03/15/2006	11:30	0.002	0.006	WWC
Nickel	EPA 200.7	0.007	mg/L		03/15/2006	11:30	0.001	0.003	WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed		MDL	PQL	Analyst
[redacted]ad	EPA 200.7	< MDL	mg/L	U	03/15/2006	11:30	0.005	0.015	WWC
Iron	EPA 200.7	5.03	mg/L		03/15/2006	11:30	0.010	0.030	WWC
[redacted]pper	EPA 200.7	0.007	mg/L	I	03/15/2006	11:30	0.005	0.015	WWC
Cobalt	EPA 200.7	0.002	mg/L	I	03/15/2006	11:30	0.001	0.003	WWC
[redacted]dmium	EPA 200.7	< MDL	mg/L	U	03/15/2006	11:30	0.0005	0.002	WWC
Barium	EPA 200.7	0.028	mg/L		03/15/2006	11:30	0.0005	0.002	WWC
[redacted]senic	EPA 200.7	0.012	mg/L	I	03/15/2006	11:30	0.007	0.021	WWC
Zinc	EPA 200.7	0.038	mg/L		03/15/2006	11:30	0.010	0.030	WWC
[redacted]romium	EPA 200.7	0.002	mg/L	I	03/15/2006	11:30	0.001	0.003	WWC
[redacted]rcury Cold Vapor	EPA 245.1	< MDL	ug/L	U	03/21/2006	11:17	0.100	0.300	WWC
[redacted]timony by GFAAS	EPA 204.2	0.003	mg/L	I	03/10/2006	11:33	0.0015	0.006	WC
[redacted]lenium by GFAAS	EPA 270.2	0.003	mg/L		04/07/2006	14:42	0.0002	0.001	WWC
[redacted]allium by GFAAS	EPA 279.2	0.001	mg/L	I	03/14/2006	10:54	0.0004	0.002	WWC
[redacted]monia	EPA 350.1	29.0	mg/L		02/28/2006	10:04	0.011	0.054	EMM
Total Dissolved Solids	SM 2540 C	595	mg/L		03/02/2006	10:30	2.50	7.50	LK/ IR
[redacted]alinity as CaCO3	SM 2320B	484	mg/L		02/28/2006	12:05	0.600	1.80	LSK

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name SICPWATER-6021		**QA Sample ID AE09956**						
Samples AE09956 AE09957 AE09958								
Method Blank for Metals by 200.7								
[redacted]nadium		< MDL	mg/L	U	03/15/2006 10:18			WWC
Zinc		< MDL	mg/L	U	03/15/2006 10:18			WWC
Sodium		< MDL	mg/L	U	03/15/2006 10:18			WWC
[redacted]ver		< MDL	mg/L	U	03/15/2006 10:18			WWC
Nickel		< MDL	mg/L	U	03/15/2006 10:18			WWC
[redacted]gnesium		< MDL	mg/L	U	03/15/2006 10:18			WWC
Lead		< MDL	mg/L	U	03/15/2006 10:18			WWC
[redacted]n		< MDL	mg/L	U	03/15/2006 10:18			WWC
Arsenic		< MDL	mg/L	U	03/15/2006 10:18			WWC
Cobalt		< MDL	mg/L	U	03/15/2006 10:18			WWC
[redacted]romium		< MDL	mg/L	U	03/15/2006 10:18			WWC
Calcium		< MDL	mg/L	U	03/15/2006 10:18			WWC
[redacted]dmium		< MDL	mg/L	U	03/15/2006 10:18			WWC
Beryllium		< MDL	mg/L	U	03/15/2006 10:18			WWC
[redacted]rium		< MDL	mg/L	U	03/15/2006 10:18			WWC
Copper		< MDL	mg/L	U	03/15/2006 10:18			WWC
[redacted]ontinuing Cal. Blank for Metals by 200.								
[redacted]balt		< MDL	mg/L	U	03/15/2006 12:26			WWC
Chromium		< MDL	mg/L	U	03/15/2006 12:26			WWC
[redacted]cium		< MDL	mg/L	U	03/15/2006 12:26			WWC
Cadmium		< MDL	mg/L	U	03/15/2006 12:26			WWC
[redacted]pper		< MDL	mg/L	U	03/15/2006 12:26			WWC
Barium		< MDL	mg/L	U	03/15/2006 12:26			WWC
Sodium		< MDL	mg/L	U	03/15/2006 12:26			WWC
[redacted]yllium		< MDL	mg/L	U	03/15/2006 12:26			WWC
Iron		< MDL	mg/L	U	03/15/2006 12:26			WWC
[redacted]d		< MDL	mg/L	U	03/15/2006 12:26			WWC
Magnesium		<MDL	mg/L	U	03/15/2006 12:26			WWC
[redacted]c		< MDL	mg/L	U	03/15/2006 12:26			WWC
Silver		< MDL	mg/L	U	03/15/2006 12:26			WWC
[redacted]nadium		< MDL	mg/L	U	03/15/2006 12:26			WWC
[redacted]enic		< MDL	mg/L	U	03/15/2006 12:26			WWC
Nickel		< MDL	mg/L	U	03/15/2006 12:26			WWC
[redacted]ontinuous Calibration for Metals by 200								
Sodium		93.1	mg/L		03/15/2006 12:17			WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name $ICPWATER-6021		**QA Sample ID AE09956**						
Samples AE09956 AE09957 AE09958								
Continuous Calibration for Metals by 200								
Barium		0.953	mg/L		03/15/2006 12:17			WWC
[illegible]nc		1.94	mg/L		03/15/2006 12:17			WWC
Arsenic		1.87	mg/L		03/15/2006 12:17			WWC
Beryllium		0.490	mg/L		03/15/2006 12:17			WWC
[illegible]dmium		1.99	mg/L		03/15/2006 12:17			WWC
Calcium		48.5	mg/L		03/15/2006 12:17			WWC
[illegible]romium		1.96	mg/L		03/15/2006 12:17			WWC
Cobalt		1.98	mg/L		03/15/2006 12:17			WWC
[illegible]n		9.92	mg/L		03/15/2006 12:17			WWC
Lead		1.99	mg/L		03/15/2006 12:17			WWC
Magnesium		47.7	mg/L		03/15/2006 12:17			WWC
[illegible]ckel		2.00	mg/L		03/15/2006 12:17			WWC
Silver		0.492	mg/L		03/15/2006 12:17			WWC
[illegible]nadium		1.96	mg/L		03/15/2006 12:17			WWC
Copper		1.96	mg/L		03/15/2006 12:17			WWC
[illegible]ont Calb Rec for Metals by 200.7								
[illegible]alcium		97.0	%		03/17/2006 11:16			WWC
Vanadium		98.0	%		03/17/2006 11:16			WWC
[illegible]dium		93.1	%		03/17/2006 11:16			WWC
Silver		98.4	%		03/17/2006 11:16			WWC
[illegible]ckel		100	%		03/17/2006 11:16			WWC
Magnesium		95.4	%		03/17/2006 11:16			WWC
[illegible]ad		99.5	%		03/17/2006 11:16			WWC
Iron		99.2	%		03/17/2006 11:16			WWC
Copper		98.0	%		03/17/2006 11:16			WWC
[illegible]rium		95.3	%		03/17/2006 11:16			WWC
Chromium		98.0	%		03/17/2006 11:16			WWC
[illegible]dmium		99.5	%		03/17/2006 11:16			WWC
Beryllium		98.0	%		03/17/2006 11:16			WWC
[illegible]c		97.0	%		03/17/2006 11:16			WWC
Cobalt		99.0	%		03/17/2006 11:16			WWC
Arsenic		93.5	%		03/17/2006 11:16			WWC
[illegible]ample Dup for Metals by 200.7								
Copper		0.007	mg/L	I	03/15/2006 10:43			WWC
[illegible]c		0.024	mg/L	I	03/15/2006 10:43			WWC
Vanadium		0.029	mg/L		03/15/2006 10:43			WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name $ICPWATER-6021		**QA Sample ID AE09956**						
Samples AE09956 AE09957 AE09958								
Sample Dup for Metals by 200.7								
Arsenic		0.010	mg/L	I	03/15/2006 10:43			WWC
[illegible]arium		0.113	mg/L		03/15/2006 10:43			WWC
Beryllium		< MDL	mg/L	U	03/15/2006 10:43			WWC
[illegible]admium		< MDL	mg/L	U	03/15/2006 10:43			WWC
[illegible]obalt		0.015	mg/L		03/15/2006 10:43			WWC
Chromium		0.007	mg/L		03/15/2006 10:43			WWC
[illegible]on		15.7	mg/L		03/15/2006 10:43			WWC
Lead		< MDL	mg/L	U	03/15/2006 10:43			WWC
[illegible]agnesium		68.3	mg/L		03/15/2006 10:43			WWC
Nickel		0.014	mg/L		03/15/2006 10:43			WWC
[illegible]ver		< MDL	mg/L	U	03/15/2006 10:43			WWC
[illegible]odium		371	mg/L		03/15/2006 10:43			WWC
Calcium		164	mg/L		03/15/2006 10:43			WWC
[illegible]nitial Calibration for Metals by 200.7								
Sodium		48.8	mg/L		03/15/2006 10:24			WWC
[illegible]alcium		25.1	mg/L		03/15/2006 10:24			WWC
Cadmium		0.993	mg/L		03/15/2006 10:24			WWC
[illegible]anadium		1.00	mg/L		03/15/2006 10:24			WWC
[illegible]ver		0.250	mg/L		03/15/2006 10:24			WWC
Nickel		1.00	mg/L		03/15/2006 10:24			WWC
[illegible]agnesium		24.4	mg/L		03/15/2006 10:24			WWC
Lead		1.02	mg/L		03/15/2006 10:24			WWC
[illegible]opper		1.00	mg/L		03/15/2006 10:24			WWC
Cobalt		0.996	mg/L		03/15/2006 10:24			WWC
[illegible]hromium		0.997	mg/L		03/15/2006 10:24			WWC
[illegible]eryllium		0.251	mg/L		03/15/2006 10:24			WWC
Barium		0.489	mg/L		03/15/2006 10:24			WWC
[illegible]senic		0.985	mg/L		03/15/2006 10:24			WWC
Iron		5.14	mg/L		03/15/2006 10:24			WWC
[illegible]nc		1.00	mg/L		03/15/2006 10:24			WWC
Int Calb Rec for Metals by 200.7								
Zinc		100	%		03/17/2006 11:16			WWC
[illegible]alcium		100	%		03/17/2006 11:16			WWC
Chromium		99.7	%		03/17/2006 11:16			WWC
[illegible]obalt		99.6	%		03/17/2006 11:16			WWC
Copper		100	%		03/17/2006 11:16			WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name SICPWATER-6021		**QA Sample ID AE09956**						
Samples AE09956 AE09957 AE09958								
Int Calb Rec for Metals by 200.7								
Lead		102	%		03/17/2006 11:16			WWC
Beryllium		100	%		03/17/2006 11:16			WWC
Nickel		100	%		03/17/2006 11:16			WWC
Silver		100	%		03/17/2006 11:16			WWC
Vanadium		100	%		03/17/2006 11:16			WWC
Cadmium		99.3	%		03/17/2006 11:16			WWC
Iron		103	%		03/17/2006 11:16			WWC
Sodium		97.6	%		03/17/2006 11:16			WWC
Magnesium		97.6	%		03/17/2006 11:16			WWC
Arsenic		98.5	%		03/17/2006 11:16			WWC
Barium		97.8	%		03/17/2006 11:16			WWC
Metals by 200.7								
Barium		0.109	mg/L		03/15/2006 10:37			WWC
Sodium		356	mg/L		03/15/2006 10:37			WWC
Vanadium		0.028	mg/L		03/15/2006 10:37			WWC
Zinc		0.025	mg/L	I	03/15/2006 10:37			WWC
Magnesium		65.3	mg/L		03/15/2006 10:37			WWC
Arsenic		0.011	mg/L	I	03/15/2006 10:37			WWC
Iron		15.0	mg/L		03/15/2006 10:37			WWC
Cadmium		< MDL	mg/L	U	03/15/2006 10:37			WWC
Beryllium		< MDL	mg/L	U	03/15/2006 10:37			WWC
Lead		< MDL	mg/L	U	03/15/2006 10:37			WWC
Silver		< MDL	mg/L	U	03/15/2006 10:37			WWC
Copper		0.008	mg/L	I	03/15/2006 10:37			WWC
Calcium		156	mg/L		03/15/2006 10:37			WWC
Nickel		0.015	mg/L		03/15/2006 10:37			WWC
Chromium		0.007	mg/L		03/15/2006 10:37			WWC
Cobalt		0.014	mg/L		03/15/2006 10:37			WWC
LCS Result for Metals by 200.7								
Cobalt		0.966	mg/L		03/15/2006 10:31			WWC
Vanadium		0.984	mg/L		03/15/2006 10:31			WWC
Barium		0.486	mg/L		03/15/2006 10:31			WWC
Beryllium		0.248	mg/L		03/15/2006 10:31			WWC
Cadmium		0.993	mg/L		03/15/2006 10:31			WWC
Calcium		24.5	mg/L		03/15/2006 10:31			WWC
Chromium		0.974	mg/L		03/15/2006 10:31			WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name $ICPWATER-6021		**QA Sample ID AE09956**						
Samples AE09956 AE09957 AE09958								
LCS Result for Metals by 200.7								
Arsenic		0.979	mg/L		03/15/2006 10:31			WWC
[redacted]pper		0.985	mg/L		03/15/2006 10:31			WWC
[redacted]ron		4.94	mg/L		03/15/2006 10:31			WWC
[redacted]ead		0.985	mg/L		03/15/2006 10:31			WWC
[redacted]agnesium		23.6	mg/L		03/15/2006 10:31			WWC
Nickel		0.965	mg/L		03/15/2006 10:31			WWC
[redacted]odium		47.6	mg/L		03/15/2006 10:31			WWC
Zinc		0.988	mg/L		03/15/2006 10:31			WWC
[redacted]ver		0.246	mg/L		03/15/2006 10:31			WWC
LCS Recovery for Metals by 200.7								
Cobalt		96.6	%		03/17/2006 11:16			WWC
[redacted]pper		98.5	%		03/17/2006 11:16			WWC
Arsenic		97.9	%		03/17/2006 11:16			WWC
[redacted]rium		97.2	%		03/17/2006 11:16			WWC
Beryllium		99.2	%		03/17/2006 11:16			WWC
[redacted]dmium		99.3	%		03/17/2006 11:16			WWC
Calcium		98.0	%		03/17/2006 11:16			WWC
Vanadium		98.4	%		03/17/2006 11:16			WWC
[redacted]romium		97.4	%		03/17/2006 11:16			WWC
Iron		98.8	%		03/17/2006 11:16			WWC
[redacted]nc		98.8	%		03/17/2006 11:16			WWC
Sodium		95.2	%		03/17/2006 11:16			WWC
[redacted]ver		98.4	%		03/17/2006 11:16			WWC
Nickel		96.5	%		03/17/2006 11:16			WWC
Magnesium		94.4	%		03/17/2006 11:16			WWC
[redacted]ad		98.5	%		03/17/2006 11:16			WWC
Samp Dup Precision for Metals by 200.7								
[redacted]rium		3.60	%		03/15/2006 10:37			WWC
Sodium		4.13	%		03/15/2006 10:37			WWC
[redacted]nadium		3.51	%		03/15/2006 10:37			WWC
[redacted]ckel		6.90	%		03/15/2006 10:37			WWC
Magnesium		4.49	%		03/15/2006 10:37			WWC
[redacted]ad		0.00	%		03/15/2006 10:37			WWC
Iron		4.56	%		03/15/2006 10:37			WWC
[redacted]c		4.08	%		03/15/2006 10:37			WWC
Silver		0.00	%		03/15/2006 10:37			WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name $ICPWATER-6021		**QA Sample ID AE09956**						
Samples AE09956 AE09957 AE09958								
Samp Dup Precision for Metals by 200.7								
Beryllium		0.00	%		03/15/2006 10:37			WWC
[illegible]opper		13.3	%		03/15/2006 10:37			WWC
Cobalt		6.90	%		03/15/2006 10:37			WWC
[illegible]hromium		0.00	%		03/15/2006 10:37			WWC
[illegible]alcium		5.00	%		03/15/2006 10:37			WWC
Cadmium		0.00	%		03/15/2006 10:37			WWC
[illegible]rsenic		9.52	%		03/15/2006 10:37			WWC
MS Recovery for Metals by 200.7								
[illegible]rsenic		96.9	%		03/17/2006 11:16			WWC
[illegible]eryllium		96.0	%		03/17/2006 11:16			WWC
[illegible]ead		96.2	%		03/17/2006 11:16			WWC
[illegible]admium		94.8	%		03/17/2006 11:16			WWC
Calcium		108	%		03/17/2006 11:16			WWC
[illegible]hromium		95.3	%		03/17/2006 11:16			WWC
Magnesium		95.6	%		03/17/2006 11:16			WWC
[illegible]on		106	%		03/17/2006 11:16			WWC
Copper		100	%		03/17/2006 11:16			WWC
[illegible]arium		97.6	%		03/17/2006 11:16			WWC
[illegible]obalt		92.8	%		03/17/2006 11:16			WWC
Sodium		102	%		03/17/2006 11:16			WWC
[illegible]nc		93.2	%		03/17/2006 11:16			WWC
Vanadium		97.0	%		03/17/2006 11:16			WWC
[illegible]lver		100	%		03/17/2006 11:16			WWC
Nickel		93.3	%		03/17/2006 11:16			WWC
MS Result for Metals by 200.7								
[illegible]ead		0.962	mg/L		03/15/2006 11:00			WWC
Magnesium		89.2	mg/L		03/15/2006 11:00			WWC
[illegible]rsenic		0.980	mg/L		03/15/2006 11:00			WWC
Zinc		0.957	mg/L		03/15/2006 11:00			WWC
[illegible]arium		0.597	mg/L		03/15/2006 11:00			WWC
[illegible]ilver		0.250	mg/L		03/15/2006 11:00			WWC
[illegible]eryllium		0.240	mg/L		03/15/2006 11:00			WWC
[illegible]opper		1.01	mg/L		03/15/2006 11:00			WWC
Iron		20.3	mg/L		03/15/2006 11:00			WWC
[illegible]admium		0.948	mg/L		03/15/2006 11:00			WWC
Calcium		183	mg/L		03/15/2006 11:00			WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name $ICPWATER-6021		QA Sample ID AE09956						
Samples AE09956 AE09957 AE09958								
MS Result for Metals by 200.7								
Chromium		0.960	mg/L		03/15/2006 11:00			WWC
Cobalt		0.942	mg/L		03/15/2006 11:00			WWC
Nickel		0.948	mg/L		03/15/2006 11:00			WWC
Sodium		407	mg/L		03/15/2006 11:00			WWC
Vanadium		0.998	mg/L		03/15/2006 11:00			WWC
MSD Result for Metals by 200.7								
Iron		20.7	mg/L		03/15/2006 11:06			WWC
Copper		1.01	mg/L		03/15/2006 11:06			WWC
Arsenic		0.971	mg/L		03/15/2006 11:06			WWC
Barium		0.597	mg/L		03/15/2006 11:06			WWC
Beryllium		0.240	mg/L		03/15/2006 11:06			WWC
Cadmium		0.948	mg/L		03/15/2006 11:06			WWC
Calcium		187	mg/L		03/15/2006 11:06			WWC
Zinc		0.958	mg/L		03/15/2006 11:06			WWC
Cobalt		0.941	mg/L		03/15/2006 11:06			WWC
Vanadium		0.996	mg/L		03/15/2006 11:06			WWC
Lead		0.957	mg/L		03/15/2006 11:06			WWC
Magnesium		89.9	mg/L		03/15/2006 11:06			WWC
Nickel		0.947	mg/L		03/15/2006 11:06			WWC
Silver		0.248	mg/L		03/15/2006 11:06			WWC
Sodium		416	mg/L		03/15/2006 11:06			WWC
Chromium		0.958	mg/L		03/15/2006 11:06			WWC
MS/MSD Precision for Metals by 200.7								
Vanadium		0.201	%		03/15/2006 11:00			WWC
Zinc		0.104	%		03/15/2006 11:00			WWC
Sodium		2.19	%		03/15/2006 11:00			WWC
Silver		0.803	%		03/15/2006 11:00			WWC
Calcium		2.16	%		03/15/2006 11:00			WWC
Arsenic		0.923	%		03/15/2006 11:00			WWC
Barium		0.00	%		03/15/2006 11:00			WWC
Iron		1.95	%		03/15/2006 11:00			WWC
Cadmium		0.00	%		03/15/2006 11:00			WWC
Chromium		0.208	%		03/15/2006 11:00			WWC
Cobalt		0.106	%		03/15/2006 11:00			WWC
Copper		0.00	%		03/15/2006 11:00			WWC
Lead		0.521	%		03/15/2006 11:00			WWC

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name SICPWATER-6021		**QA Sample ID AE09956**						
Samples AE09956 AE09957 AE09958								
MS/MSD Precision for Metals by 200.7								
Magnesium		0.782	%		03/15/2006 11:00			WWC
ckel		0.106	%		03/15/2006 11:00			WWC
Beryllium		0.00	%		03/15/2006 11:00			WWC
Batch Name ALK-5910		**QA Sample ID AE09957**						
Samples AE09956 AE09957 AE09958								
Alkalinity as CaCO3		551	mg/L		02/28/2006 12:05			LSK
ethod Blank for Alkalinity		<MDL	mg/L	U	02/28/2006 12:05			LSK
Cont. Calib. for Alkalinity		242	mg/L		02/28/2006 12:05			LSK
nt Calb Conc for Alkalinity		250	mg/L		02/28/2006 12:05			LSK
Cont Calb Rec for Alkalinity		96.8	%		02/28/2006 12:05			LSK
mple Dup for Alkalinity		541	mg/L		02/28/2006 12:05			LSK
Initial Calibration for Alkalinity		250	mg/L		02/28/2006 12:05			LSK
Calb Conc for Alkalinity		250	mg/L		02/28/2006 12:05			LSK
Calb Rec for Alkalinity		100	%		02/28/2006 12:05			LSK
Samp Dup Precision for Alkalinity		1.83	%		02/28/2006 12:05			LSK
Batch Name ALK-5910A		**QA Sample ID AE09958**						
Samples AE09956 AE09957 AE09958								
nt Spiked for Alkalinity as CaCO3		250	mg/L		02/28/2006 12:05			LSK
Alkalinity as CaCO3		484	mg/L		02/28/2006 12:05			LSK
S Recovery for Alkalinity		90.0	%		02/28/2006 12:05			LSK
MS Result for Alkalinity		709	mg/L		02/28/2006 12:05			LSK
Batch Name AMM-5898		**QA Sample ID AE09875**						
Samples AE09956 AE09958								
mmonia		35.4	mg/L		02/28/2006 09:52			EMM
ethod Blank for Ammonia		<MDL	mg/L	U	02/28/2006 09:50			EMM
Continuing Cal. Blank for Ammonia		<MDL	mg/L	U	02/28/2006 10:06			EMM
ntinuous Calibration for Ammonia		3.00	mg/L		02/28/2006 10:05			EMM
Cont Calb Rec for Ammonia		100	%		02/28/2006 10:05			EMM
mple Dup for Ammonia		35.7	mg/L		02/28/2006 09:53			EMM
Initial Calibration for Ammonia		1.01	mg/L		02/28/2006 09:51			EMM
Calb Rec for Ammonia		101	%		02/28/2006 09:51			EMM
mp Dup Precision for Ammonia		0.844	%		02/28/2006 09:52			EMM
Batch Name AMM-5898A		**QA Sample ID AE09873**						
Samples AE09956 AE09958								
Amt Spiked for Ammonia		0.500	mg/L		02/28/2006 09:55			EMM

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name AMM-5898A		**QA Sample ID AE09873**						
Samples AE09956 AE09958								
Ammonia		0.100	mg/L		02/28/2006 09:54			EMM
MS Recovery for Ammonia		101	%		02/28/2006 09:54			EMM
MS Result for Ammonia		0.605	mg/L		02/28/2006 09:55			EMM
Batch Name AMM-5908		**QA Sample ID AE09987**						
Samples AE09957								
Ammonia		40.9	mg/L		02/28/2006 10:36			EMM
Continuing Cal. Blank for Ammonia		<MDL	mg/L	U	02/28/2006 10:45			EMM
Continuous Calibration for Ammonia		2.98	mg/L		02/28/2006 10:44			EMM
Cont Calb Rec for Ammonia		99.3	%		02/28/2006 10:44			EMM
Sample Dup for Ammonia		40.7	mg/L		02/28/2006 10:37			EMM
Samp Dup Precision for Ammonia		0.490	%		02/28/2006 10:36			EMM
Batch Name AMM-5908A		**QA Sample ID AE09985**						
Samples AE09957								
Amt Spiked for Ammonia		0.500	mg/L		02/28/2006 10:39			EMM
Ammonia		0.081	mg/L		02/28/2006 10:38			EMM
MS Recovery for Ammonia		100	%		02/28/2006 10:38			EMM
MS Result for Ammonia		0.583	mg/L		02/28/2006 10:39			EMM
Batch Name CLIC-5957		**QA Sample ID AE09898**						
Samples AE09956 AE09958								
Amt Spiked for Chloride		80.0	mg/L		03/02/2006 14:10			EMM
Method Blank for Chloride		<MDL	mg/L	U	03/02/2006 13:24			EMM
Cont. Blank for Chloride		<MDL	mg/L	U	03/02/2006 16:14			EMM
Cont. Cal. for Chloride		201	mg/L		03/02/2006 16:03			EMM
Cont Calb Rec for Chloride		100	%		03/02/2006 16:03			EMM
Chloride by Ion Chromatography		82.8	mg/L		03/02/2006 13:47			EMM
Sample Dup for Chloride		82.7	mg/L		03/02/2006 13:58			EMM
Init. CaL. for Chloride		30.4	mg/L		03/02/2006 13:36			EMM
Int Calb Conc for Chloride		29.7	mg/L		03/02/2006 13:36			EMM
Int Calb Rec for Chloride		102	%		03/02/2006 13:36			EMM
Samp Dup Prec for Chloride		0.121	%		03/02/2006 13:58			EMM
MS Recovery for Chloride		96.5	%		03/02/2006 14:10			EMM
MS Result for Chloride		160	mg/L		03/02/2006 14:10			EMM
Batch Name CLIC-5960		**QA Sample ID AE10016**						
Samples AE09957								
Amt Spiked for Chloride		80.0	mg/L		03/03/2006 12:13			EMM
Method Blank for Chloride		<MDL	mg/L	U	03/03/2006 11:28			EMM

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name CLIC-5960		**QA Sample ID AE10016**						
Samples AE09957								
[redacted]nt. Blank for Chloride		<MDL	mg/L	U	03/03/2006 13:33			EMM
Cont. Cal. for Chloride		197	mg/L		03/03/2006 13:22			EMM
[redacted]nt Calb Rec for Chloride		98.5	%		03/03/2006 13:22			EMM
Chloride by Ion Chromatography		94.7	mg/L		03/03/2006 11:51			EMM
[redacted]mple Dup for Chloride		94.1	mg/L		03/03/2006 12:02			EMM
[redacted]nt. CaL. for Chloride		30.5	mg/L		03/03/2006 11:39			EMM
[redacted]t Calb Conc for Chloride		29.7	mg/L		03/03/2006 11:39			EMM
[redacted] Calb Rec for Chloride		103	%		03/03/2006 11:39			EMM
Samp Dup Prec for Chloride		0.636	%		03/03/2006 12:02			EMM
[redacted]S Recovery for Chloride		96.6	%		03/03/2006 12:13			EMM
MS Result for Chloride		172	mg/L		03/03/2006 12:13			EMM
[redacted]atch Name HG-6113		**QA Sample ID AE09996**						
Samples AE09956 AE09957 AE09958								
[redacted]thod Blank for Mercury Cold Vapor		< MDL	ug/L	U	03/21/2006 11:00			WWC
[redacted]ntinuing Cal. Blank for Mercury Cold V		< MDL	ug/L	U	03/21/2006 11:37			WWC
[redacted]ntinuous Calibration for Mercury Cold		5.04	ug/L		03/21/2006 11:35			WWC
[redacted]nt Calb Rec for Mercury Cold Vapor		101	%		03/21/2006 11:35			WWC
Sample Dup for Mercury Cold Vapor		< MDL	ug/L	U	03/21/2006 11:05			WWC
[redacted]rcury Cold Vapor		< MDL	ug/L	U	03/21/2006 11:03			WWC
Initial Calibration for Mercury Cold Vap		2.61	ug/L		03/21/2006 10:58			WWC
[redacted] Calb Rec for Mercury Cold Vapor		104	%		03/21/2006 10:58			WWC
[redacted]amp Dup Precision for Mercury Cold Vapo		Passed	%		03/21/2006 11:05			WWC
[redacted]S Recovery for Mercury Cold Vapor		102	%		03/21/2006 11:03			WWC
[redacted]S Result for Mercury Cold Vapor		1.02	ug/L		03/21/2006 11:08			WWC
MSD Result for Mercury Cold Vapor		1.02	ug/L		03/21/2006 11:10			WWC
[redacted]S/MSD Precision for Mercury Cold Vapor		0.00	%		03/21/2006 11:08			WWC
Batch Name NO3IC-5906		**QA Sample ID AE09943**						
[redacted]amples AE09956 AE09957 AE09958								
Method Blank for Nitrate		<MDL	mg/L	U	02/28/2006 08:04			IR
[redacted]nt. Blank for Nitrate		<MDL	mg/L	U	02/28/2006 11:24			IR
Cont. Cal. for Nitrate		10.0	mg/L		02/28/2006 11:12			IR
[redacted]nt Calb Rec for Nitrate		100	%		02/28/2006 11:12			IR
[redacted]mple Dup for Nitrate		4.79	mg/L		02/28/2006 08:54			IR
Init. Cal. for Nitrate		23.0	mg/L		02/28/2006 08:17			IR
[redacted] Calb Conc for Nitrate		22.8	mg/L		02/28/2006 08:17			IR
Int Calb Rec for Nitrate		101	%		02/28/2006 08:17			IR

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name NO3IC-5906		**QA Sample ID AE09943**						
Samples AE09956 AE09957 AE09958								
trate as N by Ion Chromatography		4.79	mg/L		02/28/2006 08:42			IR
Samp Dup Prec. for Nitrate		0.00	%		02/28/2006 08:54			IR
S Recovery for Nitrate		104	%		02/28/2006 09:07			IR
MS Result for Nitrate		5.83	mg/L		02/28/2006 09:07			IR
Batch Name SBAA-5933		**QA Sample ID AE09996**						
Samples AE09956 AE09957 AE09958								
ethod Blank for Antimony by GFAAS		< MDL	mg/L	U	03/10/2006 10:31			WC
ontinuing Cal. Blank for Antimony by GF		< MDL	mg/L	U	03/10/2006 12:36			WC
ontinuous Calibration for Antimony by G		0.076	mg/L		03/10/2006 12:28			WC
ont Calb Rec for Antimony by GFAAS		101	%		03/10/2006 12:28			WC
Sample Dup for Antimony by GFAAS		< MDL	mg/L	U	03/10/2006 10:55			WC
itial Calibration for Antimony by GFAA		0.049	mg/L		03/10/2006 10:39			WC
Int Calb Rec for Antimony by GFAAS		98.0	%		03/10/2006 10:39			WC
amp Dup Precision for Antimony by GFAAS		Passed	%		03/14/2006 11:02			WWC
MS Recovery for Antimony by GFAAS		93.0	%		03/10/2006 10:47			WC
MS Result for Antimony by GFAAS		0.048	mg/L		03/10/2006 11:02			WC
ntimony by GFAAS		0.0015	mg/L	I	03/10/2006 10:47			WC
MSD Result for Antimony by GFAAS		0.048	mg/L		03/10/2006 11:10			WC
S/MSD Precision for Antimony by GFAAS		0.00	mg/L		03/10/2006 11:02			WC
Batch Name SEAA-5947		**QA Sample ID AE09961**						
Samples AE09956 AE09957 AE09958								
Method Blank for Selenium		<MDL	mg/L	U	04/07/2006 13:40			WWC
ont. Cal. Blank for Selenium		<MDL	mg/L	U	04/07/2006 15:45			WWC
Continuous Calibration for Selenium		0.103	mg/L		04/07/2006 15:37			WWC
ont Calb Rec for Selenium		103	%		04/07/2006 15:37			WWC
ample Dup for Selenium		0.0004	mg/L		04/07/2006 14:04			WWC
Initial Calibration for Selenium		0.051	mg/L		04/07/2006 13:48			WWC
t Calb Rec for Selenium		102	%		04/07/2006 13:48			WWC
Samp Dup Precision for Selenium		NO RESULT	%		04/07/2006 14:04			WWC
S Recovery for Selenium		100	%		04/07/2006 14:12			WWC
MS Result for Selenium		0.051	mg/L		04/07/2006 14:12			WWC
MSD Result for Selenium by GFAAS		0.050	mg/L		04/07/2006 14:19			WWC
elenium by GFAAS		0.001	mg/L	I	04/07/2006 13:56			WWC
MS/MSD Precision for Selenium by GFAAS		1.98	%		04/07/2006 14:19			WWC
Batch Name TDS-5919		**QA Sample ID AE09957**						
Samples AE09957 AE09958								

Parameter	Method	Results	Units	Qualifier	Date / Time Analyzed	MDL	PQL	Analyst
Batch Name TDS-5919		**QA Sample ID AE09957**						
Samples AE09957 AE09958								
ethod Blank for TDS		<MDL	mg/L	U	03/02/2006 10:30			LK/ IR
Sample Dup for TDS		693	mg/L		03/02/2006 10:30			LK/ IR
itial Calibration for TDS		288	mg/L		03/02/2006 10:30			LK/ IR
Int Calb Conc for TDS		300	mg/L		03/02/2006 10:30			LK/ IR
Calb Rec for TDS		96.0	%		03/02/2006 10:30			LK/ IR
amp Dup Precision for TDS		Pass	%		03/02/2006 10:57			IR
otal Dissolved Solids		693	mg/L		03/02/2006 10:30			LK/ IR
Batch Name TDS-5961		**QA Sample ID AE09969**						
Samples AE09956								
ethod Blank for TDS		<MDL	mg/L	U	03/05/2006 11:20			IR
Sample Dup for TDS		107	mg/L		03/05/2006 11:20			IR
itial Calibration for TDS		295	mg/L		03/05/2006 11:20			IR
Int Calb Conc for TDS		300	mg/L		03/05/2006 11:20			IR
Calb Rec for TDS		98.3	%		03/05/2006 11:20			IR
amp Dup Precision for TDS		Pass	%		03/05/2006 11:57			IR
otal Dissolved Solids		116	mg/L		03/05/2006 11:20			IR
Batch Name TLAA-5930		**QA Sample ID AE09996**						
Samples AE09956 AE09957 AE09958								
ethod Blank for Thallium by GFAAS		< MDL	mg/L	U	03/14/2006 09:48			WWC
Continuing Cal. Blank for Thallium by GF		< MDL	mg/L	U	03/14/2006 12:00			WWC
ntinuous Calibration for Thallium by G		0.107	mg/L		03/14/2006 11:52			WWC
Cont Calb Rec for Thallium by GFAAS		107	%		03/14/2006 11:52			WWC
mple Dup for Thallium by GFAAS		< MDL	mg/L	U	03/14/2006 10:13			WWC
itial Calibration for Thallium by GFAA		0.051	mg/L		03/14/2006 09:56			WWC
Int Calb Rec for Thallium by GFAAS		102	%		03/14/2006 09:56			WWC
mp Dup Precision for Thallium by GFAAS		Passed	%		03/16/2006 10:13			WWC
MS Recovery for Thallium by GFAAS		108	%		03/14/2006 10:21			WWC
S Result for Thallium by GFAAS		0.054	mg/L		03/14/2006 10:21			WWC
MSD Result for Thallium by GFAAS		0.053	mg/L		03/14/2006 10:29			WWC
S/MSD Precision for Thallium by GFAAS		1.87	%		03/14/2006 10:21			WWC
allium by GFAAS		< MDL	mg/L	U	03/14/2006 10:05			WWC

SOUTHERN ANALYTICAL LABORATORIES, INC.

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Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 28, 2006
Project No: 57758

Laboratory Report

Project Name	**Leachate Analyses - Lena Road Landfill**	
Sample Description	**Lift Station 1 (AEO 9956)**	
Matrix	**Wastewater**	
SAL Sample Number	**57758.01**	
Date/Time Collected	**02/27/06**	**08:50**
Date/Time Received	**02/27/06**	**13:00**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	ug/l	0.63 U,S13	EPA 8260	0.63	03/10/06 00:53	03/10/06 00:53	JP
1,1,1-Trichloroethane	ug/l	0.46 U,S13	EPA 8260	0.46	03/10/06 00:53	03/10/06 00:53	JP
1,1,2,2-Tetrachloroethane	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 00:53	03/10/06 00:53	JP
1,1,2-Trichloroethane	ug/l	0.47 U,S13	EPA 8260	0.47	03/10/06 00:53	03/10/06 00:53	JP
1,1-Dichloroethane	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 00:53	03/10/06 00:53	JP
1,1-Dichloroethene	ug/l	0.45 U,S13	EPA 8260	0.45	03/10/06 00:53	03/10/06 00:53	JP
1,1-Dichloropropene	ug/l	0.31 U,S13	EPA 8260	0.31	03/10/06 00:53	03/10/06 00:53	JP
1,2,3-Trichloropropane	ug/l	0.15 U,S13	EPA 8260	0.15	03/10/06 00:53	03/10/06 00:53	JP
1,2-Dibromo-3-chloropropane	ug/l	0.74 U,S13	EPA 8260	0.74	03/10/06 00:53	03/10/06 00:53	JP
1,2-Dibromoethane	ug/l	0.50 U,S13	EPA 8260	0.50	03/10/06 00:53	03/10/06 00:53	JP
1,2-Dichlorobenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 00:53	03/10/06 00:53	JP
1,2-Dichloroethane	ug/l	0.57 U,S13	EPA 8260	0.57	03/10/06 00:53	03/10/06 00:53	JP
1,2-Dichloropropane	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 00:53	03/10/06 00:53	JP
1,3-Dichlorobenzene	ug/l	0.64 U,S13	EPA 8260	0.64	03/10/06 00:53	03/10/06 00:53	JP
1,3-Dichloropropane	ug/l	0.39 U,S13	EPA 8260	0.39	03/10/06 00:53	03/10/06 00:53	JP
1,4-Dichlorobenzene	ug/l	1.8 S13	EPA 8260	0.52	03/10/06 00:53	03/10/06 00:53	JP
1-Propanol, 2-methyl	ug/l	31 U,S13	EPA 8260	31	03/10/06 00:53	03/10/06 00:53	JP
2,2-Dichloropropane	ug/l	0.36 U,S13	EPA 8260	0.36	03/10/06 00:53	03/10/06 00:53	JP
2-Chloro-1,3-butadiene	ug/l	0.89 U,S13	EPA 8260	0.89	03/10/06 00:53	03/10/06 00:53	JP
2-Hexanone	ug/l	4.4 U,S13	EPA 8260	4.4	03/10/06 00:53	03/10/06 00:53	JP
3-Chloro-1-propene	ug/l	1.1 U,S13	EPA 8260	1.1	03/10/06 00:53	03/10/06 00:53	JP
Acetone	ug/l	9.9 U,S13	EPA 8260	9.9	03/10/06 00:53	03/10/06 00:53	JP
Acetonitrile	ug/l	75 U,S13	EPA 8260	75	03/10/06 00:53	03/10/06 00:53	JP
Acrolein	ug/l	3.8 U,S13	EPA 8260	3.8	03/10/06 00:53	03/10/06 00:53	JP
Acrylonitrile	ug/l	1.2 U,S13	EPA 8260	1.2	03/10/06 00:53	03/10/06 00:53	JP
Benzene	ug/l	0.90 I,S13	EPA 8260	0.27	03/10/06 00:53	03/10/06 00:53	JP
Bromochloromethane	ug/l	0.58 U,S13	EPA 8260	0.58	03/10/06 00:53	03/10/06 00:53	JP
Bromodichloromethane	ug/l	0.35 U,S13	EPA 8260	0.35	03/10/06 00:53	03/10/06 00:53	JP
Bromoform	ug/l	0.58 U,S13	EPA 8260	0.58	03/10/06 00:53	03/10/06 00:53	JP
Bromomethane	ug/l	0.66 U,S13	EPA 8260	0.66	03/10/06 00:53	03/10/06 00:53	JP
Carbon disulfide	ug/l	0.85 U,S13	EPA 8260	0.85	03/10/06 00:53	03/10/06 00:53	JP
Carbon tetrachloride	ug/l	0.42 U,S13	EPA 8260	0.42	03/10/06 00:53	03/10/06 00:53	JP
Chlorobenzene	ug/l	5.0 S13	EPA 8260	0.63	03/10/06 00:53	03/10/06 00:53	JP
Chloroethane	ug/l	0.80 U,S13	EPA 8260	0.80	03/10/06 00:53	03/10/06 00:53	JP
Chloroform	ug/l	0.90 U,S13	EPA 8260	0.90	03/10/06 00:53	03/10/06 00:53	JP
Chloromethane	ug/l	0.64 U,S13	EPA 8260	0.64	03/10/06 00:53	03/10/06 00:53	JP
cis-1,2-Dichloroethene	ug/l	0.65 U,S13	EPA 8260	0.65	03/10/06 00:53	03/10/06 00:53	JP
cis-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 00:53	03/10/06 00:53	JP
Dibromochloromethane	ug/l	0.34 U,S13	EPA 8260	0.34	03/10/06 00:53	03/10/06 00:53	JP
Dibromomethane	ug/l	0.41 U,S13	EPA 8260	0.41	03/10/06 00:53	03/10/06 00:53	JP

FDOH Laboratory No. E84129
NELAP Accredited

Francis I. Daniels, Laboratory Director
Leslie C. Boardman, Q. A. Manager

SOUTHERN ANALYTICAL LABORATORIES, INC.
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Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 28, 2006
Project No: 57758

Laboratory Report

Project Name	**Leachate Analyses - Lena Road Landfill**
Sample Description	**Lift Station 1 (AEO 9956)**
Matrix	**Wastewater**
SAL Sample Number	**57758.01**
Date/Time Collected	**02/27/06 08:50**
Date/Time Received	**02/27/06 13:00**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
Dichlorodifluoromethane	ug/l	0.40 U,S13	EPA 8260	0.40	03/10/06 00:53	03/10/06 00:53	JP
Ethyl methacrylate	ug/l	0.53 U,S13	EPA 8260	0.53	03/10/06 00:53	03/10/06 00:53	JP
Ethylbenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 00:53	03/10/06 00:53	JP
Iodomethane	ug/l	0.67 U,S13	EPA 8260	0.67	03/10/06 00:53	03/10/06 00:53	JP
MEK (2-Butanone)	ug/l	8.4 U,S13	EPA 8260	8.4	03/10/06 00:53	03/10/06 00:53	JP
Methacrylonitrile	ug/l	1.8 U,S13	EPA 8260	1.8	03/10/06 00:53	03/10/06 00:53	JP
Methyl methacrylate	ug/l	0.66 U,S13	EPA 8260	0.66	03/10/06 00:53	03/10/06 00:53	JP
Methylene chloride	ug/l	4.0 U,S13	EPA 8260	4.0	03/10/06 00:53	03/10/06 00:53	JP
MIBK (4-Methyl-2-pentanone)	ug/l	3.8 U,S13	EPA 8260	3.8	03/10/06 00:53	03/10/06 00:53	JP
Propionitrile	ug/l	7.2 U,S13	EPA 8260	7.2	03/10/06 00:53	03/10/06 00:53	JP
Styrene	ug/l	0.98 U,S13	EPA 8260	0.98	03/10/06 00:53	03/10/06 00:53	JP
Tetrachloroethene	ug/l	0.34 U,S13	EPA 8260	0.34	03/10/06 00:53	03/10/06 00:53	JP
Toluene	ug/l	0.51 U,S13	EPA 8260	0.51	03/10/06 00:53	03/10/06 00:53	JP
trans-1,2-Dichloroethene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 00:53	03/10/06 00:53	JP
trans-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 00:53	03/10/06 00:53	JP
trans-1,4-Dichloro-2-butene	ug/l	2.5 U,S13	EPA 8260	2.5	03/10/06 00:53	03/10/06 00:53	JP
Trichloroethene	ug/l	0.28 U,S13	EPA 8260	0.28	03/10/06 00:53	03/10/06 00:53	JP
Trichlorofluoromethane	ug/l	0.98 U,S13	EPA 8260	0.98	03/10/06 00:53	03/10/06 00:53	JP
Vinyl acetate	ug/l	1.5 U,S13	EPA 8260	1.5	03/10/06 00:53	03/10/06 00:53	JP
Vinyl chloride	ug/l	2.1 S13	EPA 8260	0.50	03/10/06 00:53	03/10/06 00:53	JP
Xylenes, Total	ug/l	0.30 U,S13	EPA 8260	0.30	03/10/06 00:53	03/10/06 00:53	JP
Organochlorine Pesticides							
4,4'-DDD	ug/l	0.0016 U,S13	EPA 8081	0.0016	03/06/06 22:02	03/02/06 14:00	MDS
4,4'-DDE	ug/l	0.0021 U,S13	EPA 8081	0.0021	03/06/06 22:02	03/02/06 14:00	MDS
4,4'-DDT	ug/l	0.0026 U,S13	EPA 8081	0.0026	03/06/06 22:02	03/02/06 14:00	MDS
Aldrin	ug/l	0.0028 U,S13	EPA 8081	0.0028	03/06/06 22:02	03/02/06 14:00	MDS
alpha-BHC	ug/l	0.0025 U,S13	EPA 8081	0.0025	03/06/06 22:02	03/02/06 14:00	MDS
beta-BHC	ug/l	0.0040 U,S13	EPA 8081	0.0040	03/06/06 22:02	03/02/06 14:00	MDS
Chlordane (technical)	ug/l	0.0038 U,S13	EPA 8081	0.0038	03/06/06 22:02	03/02/06 14:00	MDS
Chlorobenzilate	ug/l	0.019 U,S13	EPA 8081	0.019	03/06/06 22:02	03/02/06 14:00	MDS
delta-BHC	ug/l	0.0030 U,S13	EPA 8081	0.0030	03/06/06 22:02	03/02/06 14:00	MDS
Dieldrin	ug/l	0.0018 U,S13	EPA 8081	0.0018	03/06/06 22:02	03/02/06 14:00	MDS
Endosulfan I	ug/l	0.0017 U,S13	EPA 8081	0.0017	03/06/06 22:02	03/02/06 14:00	MDS
Endosulfan II	ug/l	0.0018 U,S13	EPA 8081	0.0018	03/06/06 22:02	03/02/06 14:00	MDS
Endosulfan sulfate	ug/l	0.0019 U,S13	EPA 8081	0.0019	03/06/06 22:02	03/02/06 14:00	MDS
Endrin	ug/l	0.0020 U,S13	EPA 8081	0.0020	03/06/06 22:02	03/02/06 14:00	MDS
Endrin aldehyde	ug/l	0.0025 U,S13	EPA 8081	0.0025	03/06/06 22:02	03/02/06 14:00	MDS
gamma-BHC (Lindane)	ug/l	0.0020 U,S13	EPA 8081	0.0020	03/06/06 22:02	03/02/06 14:00	MDS
Heptachlor	ug/l	0.0020 U,S13	EPA 8081	0.0020	03/06/06 22:02	03/02/06 14:00	MDS

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5101 65th Street West
Bradenton, FL 34210-

March 28, 2006
Project No: 57758

Laboratory Report

Project Name	Leachate Analyses - Lena Road Landfill
Sample Description	Lift Station 1 (AEO 9956)
Matrix	Wastewater
SAL Sample Number	57758.01
Date/Time Collected	02/27/06 08:50
Date/Time Received	02/27/06 13:00

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Organochlorine Pesticides							
Heptachlor epoxide	ug/l	0.0020 U,S13	EPA 8081	0.0020	03/06/06 22:02	03/02/06 14:00	MDS
Isodrin	ug/l	0.0043 U,S13	EPA 8081	0.0043	03/06/06 22:02	03/02/06 14:00	MDS
Methoxychlor	ug/l	0.0031 U,S13	EPA 8081	0.0031	03/06/06 22:02	03/02/06 14:00	MDS
Toxaphene	ug/l	0.31 U,S13	EPA 8081	0.31	03/06/06 22:02	03/02/06 14:00	MDS
Polychlorinated Biphenyls							
PCB-1016	ug/l	0.32 U,S13	EPA 8082	0.32	03/14/06 18:53	03/02/06 14:00	MDS
PCB-1221	ug/l	0.46 U,S13	EPA 8082	0.46	03/14/06 18:53	03/02/06 14:00	MDS
PCB-1232	ug/l	0.19 U,S13	EPA 8082	0.19	03/14/06 18:53	03/02/06 14:00	MDS
PCB-1242	ug/l	0.34 U,S13	EPA 8082	0.34	03/14/06 18:53	03/02/06 14:00	MDS
PCB-1248	ug/l	0.12 U,S13	EPA 8082	0.12	03/14/06 18:53	03/02/06 14:00	MDS
PCB-1254	ug/l	0.079 U,S13	EPA 8082	0.079	03/14/06 18:53	03/02/06 14:00	MDS
PCB-1260	ug/l	0.064 U,S13	EPA 8082	0.064	03/14/06 18:53	03/02/06 14:00	MDS
Organophosphorus Pesticides							
Dimethoate	ug/l	0.32 I,S13	EPA 8141	0.19	03/06/06 14:03	03/02/06 14:00	MLT
Disulfoton	ug/l	0.42 U,S13	EPA 8141	0.42	03/06/06 14:03	03/02/06 14:00	MLT
Famphur	ug/l	0.17 U,S13	EPA 8141	0.17	03/06/06 14:03	03/02/06 14:00	MLT
Methyl parathion	ug/l	0.32 U,S13	EPA 8141	0.32	03/06/06 14:03	03/02/06 14:00	MLT
Parathion	ug/l	0.22 U,S13	EPA 8141	0.22	03/06/06 14:03	03/02/06 14:00	MLT
Phorate	ug/l	0.28 U,S13	EPA 8141	0.28	03/06/06 14:03	03/02/06 14:00	MLT
Thionazin	ug/l	0.11 U,S13	EPA 8141	0.11	03/06/06 14:03	03/02/06 14:00	MLT
Chlorinated Herbicides							
2,4,5-T	ug/l	0.046 U,S13	EPA 8151	0.046	03/05/06 17:19	03/02/06 09:18	RO
2,4-D	ug/l	0.36 U,S13	EPA 8151	0.36	03/05/06 17:19	03/02/06 09:18	RO
Dinoseb	ug/l	0.42 U,S13	EPA 8151	0.42	03/05/06 17:19	03/02/06 09:18	RO
Silvex (2,4,5-TP)	ug/l	0.036 U,S13	EPA 8151	0.036	03/05/06 17:19	03/02/06 09:18	RO
Semivolatile Analyses							
1,2,4,5-Tetrachlorobenzene	ug/l	0.85 U,S13	EPA 8270	0.85	03/11/06 04:17	03/02/06 14:00	VW
1,2,4-Trichlorobenzene	ug/l	1.4 U,S13	EPA 8270	1.4	03/11/06 04:17	03/02/06 14:00	VW
1,3,5-Trinitrobenzene	ug/l	0.55 U,S13	EPA 8270	0.55	03/11/06 04:17	03/02/06 14:00	VW
1,3-Dinitrobenzene	ug/l	1.6 U,S13	EPA 8270	1.6	03/11/06 04:17	03/02/06 14:00	VW
1,4-Naphthoquinone	ug/l	0.32 U,S13	EPA 8270	0.32	03/11/06 04:17	03/02/06 14:00	VW
1-Naphthylamine	ug/l	0.58 U,S13	EPA 8270	0.58	03/11/06 04:17	03/02/06 14:00	VW
2,2'-oxybis(2-chloropropane)	ug/l	0.75 U,S13	EPA 8270	0.75	03/11/06 04:17	03/02/06 14:00	VW
2,3,4,6-Tetrachlorophenol	ug/l	3.6 U,S13	EPA 8270	3.6	03/11/06 04:17	03/02/06 14:00	VW
2,4,5-Trichlorophenol	ug/l	1.6 U,S13	EPA 8270	1.6	03/11/06 04:17	03/02/06 14:00	VW
2,4,6-Trichlorophenol	ug/l	1.3 U,S13	EPA 8270	1.3	03/11/06 04:17	03/02/06 14:00	VW
2,4-Dichlorophenol	ug/l	1.0 U,S13	EPA 8270	1.0	03/11/06 04:17	03/02/06 14:00	VW

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March 28, 2006
Project No: 57758

Laboratory Report

Project Name	**Leachate Analyses - Lena Road Landfill**
Sample Description	**Lift Station 1 (AEO 9956)**
Matrix	**Wastewater**
SAL Sample Number	**57758.01**
Date/Time Collected	**02/27/06 08:50**
Date/Time Received	**02/27/06 13:00**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Semivolatile Analyses							
2,4-Dimethylphenol	ug/l	2.5 U,S13	EPA 8270	2.5	03/11/06 04:17	03/02/06 14:00	VW
2,4-Dinitrophenol	ug/l	1.3 U,S13	EPA 8270	1.3	03/11/06 04:17	03/02/06 14:00	VW
2,4-Dinitrotoluene	ug/l	1.1 U,S13	EPA 8270	1.1	03/11/06 04:17	03/02/06 14:00	VW
2,6-Dichlorophenol	ug/l	0.68 U,S13	EPA 8270	0.68	03/11/06 04:17	03/02/06 14:00	VW
2,6-Dinitrotoluene	ug/l	1.0 U,S13	EPA 8270	1.0	03/11/06 04:17	03/02/06 14:00	VW
2-Acetylaminofluorene	ug/l	0.94 U,S13	EPA 8270	0.94	03/11/06 04:17	03/02/06 14:00	VW
2-Chloronaphthalene	ug/l	1.0 U,S13	EPA 8270	1.0	03/11/06 04:17	03/02/06 14:00	VW
2-Chlorophenol	ug/l	0.78 U,S13	EPA 8270	0.78	03/11/06 04:17	03/02/06 14:00	VW
2-Methylnaphthalene	ug/l	1.0 U,S13	EPA 8270	1.0	03/11/06 04:17	03/02/06 14:00	VW
2-Methylphenol	ug/l	0.94 U,S13	EPA 8270	0.94	03/11/06 04:17	03/02/06 14:00	VW
2-Naphthylamine	ug/l	0.59 U,S13	EPA 8270	0.59	03/11/06 04:17	03/02/06 14:00	VW
2-Nitroaniline	ug/l	1.0 U,S13	EPA 8270	1.0	03/11/06 04:17	03/02/06 14:00	VW
2-Nitrophenol	ug/l	1.0 U,S13	EPA 8270	1.0	03/11/06 04:17	03/02/06 14:00	VW
2-Toluidine	ug/l	0.60 U,S13	EPA 8270	0.60	03/11/06 04:17	03/02/06 14:00	VW
3 & 4 Methylphenol	ug/l	0.72 U,S13	EPA 8270	0.72	03/11/06 04:17	03/02/06 14:00	VW
3,3'-Dichlorobenzidine	ug/l	0.51 U,S13	EPA 8270	0.51	03/11/06 04:17	03/02/06 14:00	VW
3,3'-Dimethylbenzidine	ug/l	2.8 U,S13	EPA 8270	2.8	03/11/06 04:17	03/02/06 14:00	VW
3-Methylcholanthrene	ug/l	0.58 U,S13	EPA 8270	0.58	03/11/06 04:17	03/02/06 14:00	VW
3-Nitroaniline	ug/l	1.9 U,S13	EPA 8270	1.9	03/11/06 04:17	03/02/06 14:00	VW
4,6-Dinitro-2-methylphenol	ug/l	1.3 U,S13	EPA 8270	1.3	03/11/06 04:17	03/02/06 14:00	VW
4-Aminobiphenyl	ug/l	0.55 U,S13	EPA 8270	0.55	03/11/06 04:17	03/02/06 14:00	VW
4-Bromophenyl phenyl ether	ug/l	0.77 U,S13	EPA 8270	0.77	03/11/06 04:17	03/02/06 14:00	VW
4-Chloro-3-methylphenol	ug/l	1.6 U,S13	EPA 8270	1.6	03/11/06 04:17	03/02/06 14:00	VW
4-Chloroaniline	ug/l	0.57 U,S13	EPA 8270	0.57	03/11/06 04:17	03/02/06 14:00	VW
4-Chlorophenyl phenyl ether	ug/l	0.60 U,S13	EPA 8270	0.60	03/11/06 04:17	03/02/06 14:00	VW
4-Nitroaniline	ug/l	1.0 U,S13	EPA 8270	1.0	03/11/06 04:17	03/02/06 14:00	VW
4-Nitrophenol	ug/l	2.4 U,S13	EPA 8270	2.4	03/11/06 04:17	03/02/06 14:00	VW
7,12-Dimethylbenz(a)anthracene	ug/l	0.32 U,S13	EPA 8270	0.32	03/11/06 04:17	03/02/06 14:00	VW
Acenaphthene	ug/l	0.94 U,S13	EPA 8270	0.94	03/11/06 04:17	03/02/06 14:00	VW
Acenaphthylene	ug/l	0.64 U,S13	EPA 8270	0.64	03/11/06 04:17	03/02/06 14:00	VW
Acetophenone	ug/l	0.76 U,S13	EPA 8270	0.76	03/11/06 04:17	03/02/06 14:00	VW
Anthracene	ug/l	0.58 U,S13	EPA 8270	0.58	03/11/06 04:17	03/02/06 14:00	VW
Benzo[a]anthracene	ug/l	0.94 U,S13	EPA 8270	0.94	03/11/06 04:17	03/02/06 14:00	VW
Benzo[a]pyrene	ug/l	0.53 U,S13	EPA 8270	0.53	03/11/06 04:17	03/02/06 14:00	VW
Benzo[b]fluoranthene	ug/l	1.9 U,S13	EPA 8270	1.9	03/11/06 04:17	03/02/06 14:00	VW
Benzo[g,h,I]perylene	ug/l	0.59 U,S13	EPA 8270	0.59	03/11/06 04:17	03/02/06 14:00	VW
Benzo[k]fluoranthene	ug/l	0.51 U,S13	EPA 8270	0.51	03/11/06 04:17	03/02/06 14:00	VW
Benzyl alcohol	ug/l	0.84 U,S13	EPA 8270	0.84	03/11/06 04:17	03/02/06 14:00	VW
Bis(2-chloroethoxy)methane	ug/l	0.75 U,S13	EPA 8270	0.75	03/11/06 04:17	03/02/06 14:00	VW
Bis(2-chloroethyl)ether	ug/l	0.92 U,S13	EPA 8270	0.92	03/11/06 04:17	03/02/06 14:00	VW

FDOH Laboratory No. E84129
NELAP Accredited

Francis I. Daniels, Laboratory Director
Leslie C. Boardman, Q. A. Manager

SOUTHERN ANALYTICAL LABORATORIES, INC.
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Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 28, 2006
Project No: 57758

Laboratory Report

Project Name	**Leachate Analyses - Lena Road Landfill**	
Sample Description	**Lift Station 1 (AEO 9956)**	
Matrix	**Wastewater**	
SAL Sample Number	**57758.01**	
Date/Time Collected	**02/27/06**	**08:50**
Date/Time Received	**02/27/06**	**13:00**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Semivolatile Analyses							
Bis(2-ethylhexyl)phthalate	ug/l	1.8 U,S13	EPA 8270	1.8	03/11/06 04:17	03/02/06 14:00	VW
Butyl benzyl phthalate	ug/l	1.4 U,S13	EPA 8270	1.4	03/11/06 04:17	03/02/06 14:00	VW
Chrysene	ug/l	0.29 U,S13	EPA 8270	0.29	03/11/06 04:17	03/02/06 14:00	VW
Diallate	ug/l	0.43 U,S13	EPA 8270	0.43	03/11/06 04:17	03/02/06 14:00	VW
Dibenz(a,h)anthracene	ug/l	0.54 U,S13	EPA 8270	0.54	03/11/06 04:17	03/02/06 14:00	VW
Dibenzofuran	ug/l	1.1 U,S13	EPA 8270	1.1	03/11/06 04:17	03/02/06 14:00	VW
Diethyl phthalate	ug/l	1.3 U,S13	EPA 8270	1.3	03/11/06 04:17	03/02/06 14:00	VW
Dimethyl phthalate	ug/l	0.94 U,S13	EPA 8270	0.94	03/11/06 04:17	03/02/06 14:00	VW
Di-n-butyl phthalate	ug/l	1.2 U,S13	EPA 8270	1.2	03/11/06 04:17	03/02/06 14:00	VW
Di-n-octyl phthalate	ug/l	2.0 U,S13	EPA 8270	2.0	03/11/06 04:17	03/02/06 14:00	VW
Diphenylamine	ug/l	1.0 U,S13	EPA 8270	1.0	03/11/06 04:17	03/02/06 14:00	VW
Ethyl methanesulfonate	ug/l	0.87 U,S13	EPA 8270	0.87	03/11/06 04:17	03/02/06 14:00	VW
Fluoranthene	ug/l	0.28 U,S13	EPA 8270	0.28	03/11/06 04:17	03/02/06 14:00	VW
Fluorene	ug/l	0.58 U,S13	EPA 8270	0.58	03/11/06 04:17	03/02/06 14:00	VW
Hexachlorobenzene	ug/l	0.57 U,S13	EPA 8270	0.57	03/11/06 04:17	03/02/06 14:00	VW
Hexachlorobutadiene	ug/l	1.0 U,S13	EPA 8270	1.0	03/11/06 04:17	03/02/06 14:00	VW
Hexachlorocyclopentadiene	ug/l	0.46 U,S13	EPA 8270	0.46	03/11/06 04:17	03/02/06 14:00	VW
Hexachloroethane	ug/l	1.3 U,S13	EPA 8270	1.3	03/11/06 04:17	03/02/06 14:00	VW
Hexachloropropene	ug/l	0.59 U,S13	EPA 8270	0.59	03/11/06 04:17	03/02/06 14:00	VW
Indeno[1,2,3-cd]pyrene	ug/l	0.81 U,S13	EPA 8270	0.81	03/11/06 04:17	03/02/06 14:00	VW
Isophorone	ug/l	0.77 U,S13	EPA 8270	0.77	03/11/06 04:17	03/02/06 14:00	VW
Isosafrole	ug/l	0.85 U,S13	EPA 8270	0.85	03/11/06 04:17	03/02/06 14:00	VW
Kepone	ug/l	1.4 U,S13	EPA 8270	1.4	03/11/06 04:17	03/02/06 14:00	VW
Methapyrilene	ug/l	0.94 U,S13	EPA 8270	0.94	03/11/06 04:17	03/02/06 14:00	VW
Methyl methanesulfonate	ug/l	0.58 U,S13	EPA 8270	0.58	03/11/06 04:17	03/02/06 14:00	VW
Naphthalene	ug/l	0.94 U,S13	EPA 8270	0.94	03/11/06 04:17	03/02/06 14:00	VW
Nitrobenzene	ug/l	0.75 U,S13	EPA 8270	0.75	03/11/06 04:17	03/02/06 14:00	VW
N-Nitro-o-toluidine	ug/l	0.70 U,S13	EPA 8270	0.70	03/11/06 04:17	03/02/06 14:00	VW
N-Nitrosodiethylamine	ug/l	0.94 U,S13	EPA 8270	0.94	03/11/06 04:17	03/02/06 14:00	VW
N-Nitrosodimethylamine	ug/l	1.3 U,S13	EPA 8270	1.3	03/11/06 04:17	03/02/06 14:00	VW
N-Nitrosodi-n-butylamine	ug/l	0.62 U,S13	EPA 8270	0.62	03/11/06 04:17	03/02/06 14:00	VW
N-Nitrosodi-n-propylamine	ug/l	1.5 U,S13	EPA 8270	1.5	03/11/06 04:17	03/02/06 14:00	VW
N-Nitrosodiphenylamine	ug/l	1.0 U,S13	EPA 8270	1.0	03/11/06 04:17	03/02/06 14:00	VW
N-Nitrosomethylethylamine	ug/l	1.1 U,S13	EPA 8270	1.1	03/11/06 04:17	03/02/06 14:00	VW
N-Nitrosopiperidine	ug/l	0.94 U,S13	EPA 8270	0.94	03/11/06 04:17	03/02/06 14:00	VW
N-Nitrosopyrrolidine	ug/l	0.66 U,S13	EPA 8270	0.66	03/11/06 04:17	03/02/06 14:00	VW
o,o',o''-Triethylphosphorothioate	ug/l	0.75 U,S13	EPA 8270	0.75	03/11/06 04:17	03/02/06 14:00	VW
p-Dimethylamino azobenzene	ug/l	0.37 U,S13	EPA 8270	0.37	03/11/06 04:17	03/02/06 14:00	VW
Pentachlorobenzene	ug/l	0.94 U,S13	EPA 8270	0.94	03/11/06 04:17	03/02/06 14:00	VW
Pentachloronitrobenzene	ug/l	0.51 U,S13	EPA 8270	0.51	03/11/06 04:17	03/02/06 14:00	VW

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Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 28, 2006
Project No: 57758

Laboratory Report

Project Name	**Leachate Analyses - Lena Road Landfill**	
Sample Description	**Lift Station 1 (AEO 9956)**	
Matrix	**Wastewater**	
SAL Sample Number	**57758.01**	
Date/Time Collected	**02/27/06**	**08:50**
Date/Time Received	**02/27/06**	**13:00**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Semivolatile Analyses							
Pentachlorophenol	ug/l	2.1 U,S13	EPA 8270	2.1	03/11/06 04:17	03/02/06 14:00	VW
Phenacetin	ug/l	0.50 U,S13	EPA 8270	0.50	03/11/06 04:17	03/02/06 14:00	VW
Phenanthrene	ug/l	0.47 U,S13	EPA 8270	0.47	03/11/06 04:17	03/02/06 14:00	VW
Phenol	ug/l	0.66 U,S13	EPA 8270	0.66	03/11/06 04:17	03/02/06 14:00	VW
p-Phenylene diamine	ug/l	470 U,S13	EPA 8270	470	03/11/06 04:17	03/02/06 14:00	VW
Pronamide	ug/l	0.33 U,S13	EPA 8270	0.33	03/11/06 04:17	03/02/06 14:00	VW
Pyrene	ug/l	0.34 U,S13	EPA 8270	0.34	03/11/06 04:17	03/02/06 14:00	VW
Safrole, Total	ug/l	1.0 U,S13	EPA 8270	1.0	03/11/06 04:17	03/02/06 14:00	VW
Field Parameter							
Specific Conductance	umhos/cm	1,520	DEP FT1200		02/27/06 08:50		BJD
Water Temperature	C	21.8	DEP FT1400		02/27/06 08:50		BJD
pH	Units	6.5	DEP FT1100		02/27/06 08:50		BJD
Dissolved Oxygen	mg/l	0.9	DEP FT1500		02/27/06 08:50		BJD
Inorganics							
Sulfide	mg/l	3.0	EPA 376.1	0.1	03/01/06 11:35		DP
Metals							
Tin	mg/l	0.1 U	EPA 200.7	0.1	03/01/06 14:20	03/01/06 11:30	AJH

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5101 65th Street West
Bradenton, FL 34210-

March 28, 2006
Project No: 57758

Laboratory Report

Project Name	**Leachate Analyses - Lena Road Landfill**
Sample Description	**Lift Station 2 (AEO 9957)**
Matrix	**Wastewater**
SAL Sample Number	**57758.02**
Date/Time Collected	**02/27/06 09:30**
Date/Time Received	**02/27/06 13:00**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	ug/l	0.63 U,S13	EPA 8260	0.63	03/10/06 01:15	03/10/06 01:15	JP
1,1,1-Trichloroethane	ug/l	0.46 U,S13	EPA 8260	0.46	03/10/06 01:15	03/10/06 01:15	JP
1,1,2,2-Tetrachloroethane	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 01:15	03/10/06 01:15	JP
1,1,2-Trichloroethane	ug/l	0.47 U,S13	EPA 8260	0.47	03/10/06 01:15	03/10/06 01:15	JP
1,1-Dichloroethane	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 01:15	03/10/06 01:15	JP
1,1-Dichloroethene	ug/l	0.45 U,S13	EPA 8260	0.45	03/10/06 01:15	03/10/06 01:15	JP
1,1-Dichloropropene	ug/l	0.31 U,S13	EPA 8260	0.31	03/10/06 01:15	03/10/06 01:15	JP
1,2,3-Trichloropropane	ug/l	0.15 U,S13	EPA 8260	0.15	03/10/06 01:15	03/10/06 01:15	JP
1,2-Dibromo-3-chloropropane	ug/l	0.74 U,S13	EPA 8260	0.74	03/10/06 01:15	03/10/06 01:15	JP
1,2-Dibromoethane	ug/l	0.50 U,S13	EPA 8260	0.50	03/10/06 01:15	03/10/06 01:15	JP
1,2-Dichlorobenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 01:15	03/10/06 01:15	JP
1,2-Dichloroethane	ug/l	0.57 U,S13	EPA 8260	0.57	03/10/06 01:15	03/10/06 01:15	JP
1,2-Dichloropropane	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 01:15	03/10/06 01:15	JP
1,3-Dichlorobenzene	ug/l	0.64 U,S13	EPA 8260	0.64	03/10/06 01:15	03/10/06 01:15	JP
1,3-Dichloropropane	ug/l	0.39 U,S13	EPA 8260	0.39	03/10/06 01:15	03/10/06 01:15	JP
1,4-Dichlorobenzene	ug/l	1.7 S13	EPA 8260	0.52	03/10/06 01:15	03/10/06 01:15	JP
1-Propanol, 2-methyl	ug/l	31 U,S13	EPA 8260	31	03/10/06 01:15	03/10/06 01:15	JP
2,2-Dichloropropane	ug/l	0.36 U,S13	EPA 8260	0.36	03/10/06 01:15	03/10/06 01:15	JP
2-Chloro-1,3-butadiene	ug/l	0.89 U,S13	EPA 8260	0.89	03/10/06 01:15	03/10/06 01:15	JP
2-Hexanone	ug/l	4.4 U,S13	EPA 8260	4.4	03/10/06 01:15	03/10/06 01:15	JP
3-Chloro-1-propene	ug/l	1.1 U,S13	EPA 8260	1.1	03/10/06 01:15	03/10/06 01:15	JP
Acetone	ug/l	9.9 U,S13	EPA 8260	9.9	03/10/06 01:15	03/10/06 01:15	JP
Acetonitrile	ug/l	75 U,S13	EPA 8260	75	03/10/06 01:15	03/10/06 01:15	JP
Acrolein	ug/l	3.8 U,S13	EPA 8260	3.8	03/10/06 01:15	03/10/06 01:15	JP
Acrylonitrile	ug/l	1.2 U,S13	EPA 8260	1.2	03/10/06 01:15	03/10/06 01:15	JP
Benzene	ug/l	0.87 I,S13	EPA 8260	0.27	03/10/06 01:15	03/10/06 01:15	JP
Bromochloromethane	ug/l	0.58 U,S13	EPA 8260	0.58	03/10/06 01:15	03/10/06 01:15	JP
Bromodichloromethane	ug/l	0.35 U,S13	EPA 8260	0.35	03/10/06 01:15	03/10/06 01:15	JP
Bromoform	ug/l	0.58 U,S13	EPA 8260	0.58	03/10/06 01:15	03/10/06 01:15	JP
Bromomethane	ug/l	0.66 U,S13	EPA 8260	0.66	03/10/06 01:15	03/10/06 01:15	JP
Carbon disulfide	ug/l	0.85 U,S13	EPA 8260	0.85	03/10/06 01:15	03/10/06 01:15	JP
Carbon tetrachloride	ug/l	0.42 U,S13	EPA 8260	0.42	03/10/06 01:15	03/10/06 01:15	JP
Chlorobenzene	ug/l	4.7 S13	EPA 8260	0.63	03/10/06 01:15	03/10/06 01:15	JP
Chloroethane	ug/l	0.80 U,S13	EPA 8260	0.80	03/10/06 01:15	03/10/06 01:15	JP
Chloroform	ug/l	0.90 U,S13	EPA 8260	0.90	03/10/06 01:15	03/10/06 01:15	JP
Chloromethane	ug/l	0.64 U,S13	EPA 8260	0.64	03/10/06 01:15	03/10/06 01:15	JP
cis-1,2-Dichloroethene	ug/l	0.65 U,S13	EPA 8260	0.65	03/10/06 01:15	03/10/06 01:15	JP
cis-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 01:15	03/10/06 01:15	JP
Dibromochloromethane	ug/l	0.34 U,S13	EPA 8260	0.34	03/10/06 01:15	03/10/06 01:15	JP
Dibromomethane	ug/l	0.41 U,S13	EPA 8260	0.41	03/10/06 01:15	03/10/06 01:15	JP

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5101 65th Street West
Bradenton, FL 34210-

March 28, 2006
Project No: 57758

Laboratory Report

Project Name	**Leachate Analyses - Lena Road Landfill**	
Sample Description	**Lift Station 2 (AEO 9957)**	
Matrix	**Wastewater**	
SAL Sample Number	**57758.02**	
Date/Time Collected	**02/27/06**	**09:30**
Date/Time Received	**02/27/06**	**13:00**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
Dichlorodifluoromethane	ug/l	0.48 I,S13	EPA 8260	0.40	03/10/06 01:15	03/10/06 01:15	JP
Ethyl methacrylate	ug/l	0.53 U,S13	EPA 8260	0.53	03/10/06 01:15	03/10/06 01:15	JP
Ethylbenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 01:15	03/10/06 01:15	JP
Iodomethane	ug/l	0.67 U,S13	EPA 8260	0.67	03/10/06 01:15	03/10/06 01:15	JP
MEK (2-Butanone)	ug/l	8.4 U,S13	EPA 8260	8.4	03/10/06 01:15	03/10/06 01:15	JP
Methacrylonitrile	ug/l	1.8 U,S13	EPA 8260	1.8	03/10/06 01:15	03/10/06 01:15	JP
Methyl methacrylate	ug/l	0.66 U,S13	EPA 8260	0.66	03/10/06 01:15	03/10/06 01:15	JP
Methylene chloride	ug/l	4.0 U,S13	EPA 8260	4.0	03/10/06 01:15	03/10/06 01:15	JP
MIBK (4-Methyl-2-pentanone)	ug/l	3.8 U,S13	EPA 8260	3.8	03/10/06 01:15	03/10/06 01:15	JP
Propionitrile	ug/l	7.2 U,S13	EPA 8260	7.2	03/10/06 01:15	03/10/06 01:15	JP
Styrene	ug/l	0.98 U,S13	EPA 8260	0.98	03/10/06 01:15	03/10/06 01:15	JP
Tetrachloroethene	ug/l	0.34 U,S13	EPA 8260	0.34	03/10/06 01:15	03/10/06 01:15	JP
Toluene	ug/l	0.53 I,S13	EPA 8260	0.51	03/10/06 01:15	03/10/06 01:15	JP
trans-1,2-Dichloroethene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 01:15	03/10/06 01:15	JP
trans-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 01:15	03/10/06 01:15	JP
trans-1,4-Dichloro-2-butene	ug/l	2.5 U,S13	EPA 8260	2.5	03/10/06 01:15	03/10/06 01:15	JP
Trichloroethene	ug/l	0.28 U,S13	EPA 8260	0.28	03/10/06 01:15	03/10/06 01:15	JP
Trichlorofluoromethane	ug/l	0.98 U,S13	EPA 8260	0.98	03/10/06 01:15	03/10/06 01:15	JP
Vinyl acetate	ug/l	1.5 U,S13	EPA 8260	1.5	03/10/06 01:15	03/10/06 01:15	JP
Vinyl chloride	ug/l	0.50 U,S13	EPA 8260	0.50	03/10/06 01:15	03/10/06 01:15	JP
Xylenes, Total	ug/l	0.30 U,S13	EPA 8260	0.30	03/10/06 01:15	03/10/06 01:15	JP
Organochlorine Pesticides							
4,4'-DDD	ug/l	0.0016 U,S13	EPA 8081	0.0016	03/06/06 22:21	03/02/06 14:00	MDS
4,4'-DDE	ug/l	0.0022 U,S13	EPA 8081	0.0022	03/06/06 22:21	03/02/06 14:00	MDS
4,4'-DDT	ug/l	0.0027 U,S13	EPA 8081	0.0027	03/06/06 22:21	03/02/06 14:00	MDS
Aldrin	ug/l	0.0029 U,S13	EPA 8081	0.0029	03/06/06 22:21	03/02/06 14:00	MDS
alpha-BHC	ug/l	0.0026 U,S13	EPA 8081	0.0026	03/06/06 22:21	03/02/06 14:00	MDS
beta-BHC	ug/l	0.0041 U,S13	EPA 8081	0.0041	03/06/06 22:21	03/02/06 14:00	MDS
Chlordane (technical)	ug/l	0.0039 U,S13	EPA 8081	0.0039	03/06/06 22:21	03/02/06 14:00	MDS
Chlorobenzilate	ug/l	0.020 U,S13	EPA 8081	0.020	03/06/06 22:21	03/02/06 14:00	MDS
delta-BHC	ug/l	0.0031 U,S13	EPA 8081	0.0031	03/06/06 22:21	03/02/06 14:00	MDS
Dieldrin	ug/l	0.0019 U,S13	EPA 8081	0.0019	03/06/06 22:21	03/02/06 14:00	MDS
Endosulfan I	ug/l	0.0018 U,S13	EPA 8081	0.0018	03/06/06 22:21	03/02/06 14:00	MDS
Endosulfan II	ug/l	0.0019 U,S13	EPA 8081	0.0019	03/06/06 22:21	03/02/06 14:00	MDS
Endosulfan sulfate	ug/l	0.0020 U,S13	EPA 8081	0.0020	03/06/06 22:21	03/02/06 14:00	MDS
Endrin	ug/l	0.0021 U,S13	EPA 8081	0.0021	03/06/06 22:21	03/02/06 14:00	MDS
Endrin aldehyde	ug/l	0.0026 U,S13	EPA 8081	0.0026	03/06/06 22:21	03/02/06 14:00	MDS
gamma-BHC (Lindane)	ug/l	0.0021 U,S13	EPA 8081	0.0021	03/06/06 22:21	03/02/06 14:00	MDS
Heptachlor	ug/l	0.0021 U,S13	EPA 8081	0.0021	03/06/06 22:21	03/02/06 14:00	MDS

FDOH Laboratory No. E84129
NELAP Accredited

Francis I. Daniels, Laboratory Director
Leslie C. Boardman, Q. A. Manager

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 28, 2006
Project No: 57758

Laboratory Report

Project Name	Leachate Analyses - Lena Road Landfill	
Sample Description	Lift Station 2 (AEO 9957)	
Matrix	Wastewater	
SAL Sample Number	57758.02	
Date/Time Collected	02/27/06	09:30
Date/Time Received	02/27/06	13:00

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Organochlorine Pesticides							
Heptachlor epoxide	ug/l	0.0021 U,S13	EPA 8081	0.0021	03/06/06 22:21	03/02/06 14:00	MDS
Isodrin	ug/l	0.0044 U,S13	EPA 8081	0.0044	03/06/06 22:21	03/02/06 14:00	MDS
Methoxychlor	ug/l	0.0032 U,S13	EPA 8081	0.0032	03/06/06 22:21	03/02/06 14:00	MDS
Toxaphene	ug/l	0.32 U,S13	EPA 8081	0.32	03/06/06 22:21	03/02/06 14:00	MDS
Polychlorinated Biphenyls							
PCB-1016	ug/l	0.33 U,S13	EPA 8082	0.33	03/14/06 18:37	03/02/06 14:00	MDS
PCB-1221	ug/l	0.47 U,S13	EPA 8082	0.47	03/14/06 18:37	03/02/06 14:00	MDS
PCB-1232	ug/l	0.20 U,S13	EPA 8082	0.20	03/14/06 18:37	03/02/06 14:00	MDS
PCB-1242	ug/l	0.35 U,S13	EPA 8082	0.35	03/14/06 18:37	03/02/06 14:00	MDS
PCB-1248	ug/l	0.12 U,S13	EPA 8082	0.12	03/14/06 18:37	03/02/06 14:00	MDS
PCB-1254	ug/l	0.080 U,S13	EPA 8082	0.080	03/14/06 18:37	03/02/06 14:00	MDS
PCB-1260	ug/l	0.065 U,S13	EPA 8082	0.065	03/14/06 18:37	03/02/06 14:00	MDS
Organophosphorus Pesticides							
Dimethoate	ug/l	0.27 I,S13	EPA 8141	0.19	03/06/06 14:15	03/02/06 14:00	MLT
Disulfoton	ug/l	0.42 U,S13	EPA 8141	0.42	03/06/06 14:15	03/02/06 14:00	MLT
Famphur	ug/l	0.17 U,S13	EPA 8141	0.17	03/06/06 14:15	03/02/06 14:00	MLT
Methyl parathion	ug/l	0.32 U,S13	EPA 8141	0.32	03/06/06 14:15	03/02/06 14:00	MLT
Parathion	ug/l	0.22 U,S13	EPA 8141	0.22	03/06/06 14:15	03/02/06 14:00	MLT
Phorate	ug/l	0.28 U,S13	EPA 8141	0.28	03/06/06 14:15	03/02/06 14:00	MLT
Thionazin	ug/l	0.11 U,S13	EPA 8141	0.11	03/06/06 14:15	03/02/06 14:00	MLT
Chlorinated Herbicides							
2,4,5-T	ug/l	0.046 U,S13	EPA 8151	0.046	03/07/06 08:51	03/02/06 09:18	RO
2,4-D	ug/l	0.36 U,S13	EPA 8151	0.36	03/07/06 08:51	03/02/06 09:18	RO
Dinoseb	ug/l	0.42 U,S13	EPA 8151	0.42	03/07/06 08:51	03/02/06 09:18	RO
Silvex (2,4,5-TP)	ug/l	0.036 U,S13	EPA 8151	0.036	03/07/06 08:51	03/02/06 09:18	RO
Semivolatile Analyses							
1,2,4,5-Tetrachlorobenzene	ug/l	0.85 U,S13	EPA 8270	0.85	03/11/06 04:47	03/02/06 14:00	VW
1,2,4-Trichlorobenzene	ug/l	1.4 U,S13	EPA 8270	1.4	03/11/06 04:47	03/02/06 14:00	VW
1,3,5-Trinitrobenzene	ug/l	0.55 U,S13	EPA 8270	0.55	03/11/06 04:47	03/02/06 14:00	VW
1,3-Dinitrobenzene	ug/l	1.6 U,S13	EPA 8270	1.6	03/11/06 04:47	03/02/06 14:00	VW
1,4-Naphthoquinone	ug/l	0.32 U,S13	EPA 8270	0.32	03/11/06 04:47	03/02/06 14:00	VW
1-Naphthylamine	ug/l	0.58 U,S13	EPA 8270	0.58	03/11/06 04:47	03/02/06 14:00	VW
2,2'-oxybis(2-chloropropane)	ug/l	0.75 U,S13	EPA 8270	0.75	03/11/06 04:47	03/02/06 14:00	VW
2,3,4,6-Tetrachlorophenol	ug/l	3.6 U,S13	EPA 8270	3.6	03/11/06 04:47	03/02/06 14:00	VW
2,4,5-Trichlorophenol	ug/l	1.6 U,S13	EPA 8270	1.6	03/11/06 04:47	03/02/06 14:00	VW
2,4,6-Trichlorophenol	ug/l	1.3 U,S13	EPA 8270	1.3	03/11/06 04:47	03/02/06 14:00	VW
2,4-Dichlorophenol	ug/l	1.0 U,S13	EPA 8270	1.0	03/11/06 04:47	03/02/06 14:00	VW

FDOH Laboratory No. E84129
NELAP Accredited

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SOUTHERN ANALYTICAL LABORATORIES, INC.
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Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 28, 2006
Project No: 57758

Laboratory Report

Project Name	Leachate Analyses - Lena Road Landfill	
Sample Description	Lift Station 2 (AEO 9957)	
Matrix	Wastewater	
SAL Sample Number	57758.02	
Date/Time Collected	02/27/06	09:30
Date/Time Received	02/27/06	13:00

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Semivolatile Analyses							
2,4-Dimethylphenol	ug/l	2.5 U,S13	EPA 8270	2.5	03/11/06 04:47	03/02/06 14:00	VW
2,4-Dinitrophenol	ug/l	1.3 U,S13	EPA 8270	1.3	03/11/06 04:47	03/02/06 14:00	VW
2,4-Dinitrotoluene	ug/l	1.1 U,S13	EPA 8270	1.1	03/11/06 04:47	03/02/06 14:00	VW
2,6-Dichlorophenol	ug/l	0.68 U,S13	EPA 8270	0.68	03/11/06 04:47	03/02/06 14:00	VW
2,6-Dinitrotoluene	ug/l	1.0 U,S13	EPA 8270	1.0	03/11/06 04:47	03/02/06 14:00	VW
2-Acetylaminofluorene	ug/l	0.94 U,S13	EPA 8270	0.94	03/11/06 04:47	03/02/06 14:00	VW
2-Chloronaphthalene	ug/l	1.0 U,S13	EPA 8270	1.0	03/11/06 04:47	03/02/06 14:00	VW
2-Chlorophenol	ug/l	0.78 U,S13	EPA 8270	0.78	03/11/06 04:47	03/02/06 14:00	VW
2-Methylnaphthalene	ug/l	1.0 U,S13	EPA 8270	1.0	03/11/06 04:47	03/02/06 14:00	VW
2-Methylphenol	ug/l	0.94 U,S13	EPA 8270	0.94	03/11/06 04:47	03/02/06 14:00	VW
2-Naphthylamine	ug/l	0.59 U,S13	EPA 8270	0.59	03/11/06 04:47	03/02/06 14:00	VW
2-Nitroaniline	ug/l	1.0 U,S13	EPA 8270	1.0	03/11/06 04:47	03/02/06 14:00	VW
2-Nitrophenol	ug/l	1.0 U,S13	EPA 8270	1.0	03/11/06 04:47	03/02/06 14:00	VW
2-Toluidine	ug/l	0.60 U,S13	EPA 8270	0.60	03/11/06 04:47	03/02/06 14:00	VW
3 & 4 Methylphenol	ug/l	3.7 I,S13	EPA 8270	0.72	03/11/06 04:47	03/02/06 14:00	VW
3,3'-Dichlorobenzidine	ug/l	0.51 U,S13	EPA 8270	0.51	03/11/06 04:47	03/02/06 14:00	VW
3,3'-Dimethylbenzidine	ug/l	2.8 U,S13	EPA 8270	2.8	03/11/06 04:47	03/02/06 14:00	VW
3-Methylcholanthrene	ug/l	0.58 U,S13	EPA 8270	0.58	03/11/06 04:47	03/02/06 14:00	VW
3-Nitroaniline	ug/l	1.9 U,S13	EPA 8270	1.9	03/11/06 04:47	03/02/06 14:00	VW
4,6-Dinitro-2-methylphenol	ug/l	1.3 U,S13	EPA 8270	1.3	03/11/06 04:47	03/02/06 14:00	VW
4-Aminobiphenyl	ug/l	0.55 U,S13	EPA 8270	0.55	03/11/06 04:47	03/02/06 14:00	VW
4-Bromophenyl phenyl ether	ug/l	0.77 U,S13	EPA 8270	0.77	03/11/06 04:47	03/02/06 14:00	VW
4-Chloro-3-methylphenol	ug/l	1.6 U,S13	EPA 8270	1.6	03/11/06 04:47	03/02/06 14:00	VW
4-Chloroaniline	ug/l	0.57 U,S13	EPA 8270	0.57	03/11/06 04:47	03/02/06 14:00	VW
4-Chlorophenyl phenyl ether	ug/l	0.60 U,S13	EPA 8270	0.60	03/11/06 04:47	03/02/06 14:00	VW
4-Nitroaniline	ug/l	1.0 U,S13	EPA 8270	1.0	03/11/06 04:47	03/02/06 14:00	VW
4-Nitrophenol	ug/l	2.4 U,S13	EPA 8270	2.4	03/11/06 04:47	03/02/06 14:00	VW
7,12-Dimethylbenz(a)anthracene	ug/l	0.32 U,S13	EPA 8270	0.32	03/11/06 04:47	03/02/06 14:00	VW
Acenaphthene	ug/l	0.94 U,S13	EPA 8270	0.94	03/11/06 04:47	03/02/06 14:00	VW
Acenaphthylene	ug/l	0.64 U,S13	EPA 8270	0.64	03/11/06 04:47	03/02/06 14:00	VW
Acetophenone	ug/l	0.76 U,S13	EPA 8270	0.76	03/11/06 04:47	03/02/06 14:00	VW
Anthracene	ug/l	0.58 U,S13	EPA 8270	0.58	03/11/06 04:47	03/02/06 14:00	VW
Benzo[a]anthracene	ug/l	0.94 U,S13	EPA 8270	0.94	03/11/06 04:47	03/02/06 14:00	VW
Benzo[a]pyrene	ug/l	0.53 U,S13	EPA 8270	0.53	03/11/06 04:47	03/02/06 14:00	VW
Benzo[b]fluoranthene	ug/l	1.9 U,S13	EPA 8270	1.9	03/11/06 04:47	03/02/06 14:00	VW
Benzo[g,h,I]perylene	ug/l	0.59 U,S13	EPA 8270	0.59	03/11/06 04:47	03/02/06 14:00	VW
Benzo[k]fluoranthene	ug/l	0.51 U,S13	EPA 8270	0.51	03/11/06 04:47	03/02/06 14:00	VW
Benzyl alcohol	ug/l	0.84 U,S13	EPA 8270	0.84	03/11/06 04:47	03/02/06 14:00	VW
Bis(2-chloroethoxy)methane	ug/l	0.75 U,S13	EPA 8270	0.75	03/11/06 04:47	03/02/06 14:00	VW
Bis(2-chloroethyl)ether	ug/l	0.92 U,S13	EPA 8270	0.92	03/11/06 04:47	03/02/06 14:00	VW

FDOH Laboratory No. E84129
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Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 28, 2006
Project No: 57758

Laboratory Report

Project Name	**Leachate Analyses - Lena Road Landfill**	
Sample Description	**Lift Station 2 (AEO 9957)**	
Matrix	**Wastewater**	
SAL Sample Number	**57758.02**	
Date/Time Collected	**02/27/06**	**09:30**
Date/Time Received	**02/27/06**	**13:00**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Semivolatile Analyses							
Bis(2-ethylhexyl)phthalate	ug/l	1.8 U,S13	EPA 8270	1.8	03/11/06 04:47	03/02/06 14:00	VW
Butyl benzyl phthalate	ug/l	1.4 U,S13	EPA 8270	1.4	03/11/06 04:47	03/02/06 14:00	VW
Chrysene	ug/l	0.29 U,S13	EPA 8270	0.29	03/11/06 04:47	03/02/06 14:00	VW
Diallate	ug/l	0.43 U,S13	EPA 8270	0.43	03/11/06 04:47	03/02/06 14:00	VW
Dibenz(a,h)anthracene	ug/l	0.54 U,S13	EPA 8270	0.54	03/11/06 04:47	03/02/06 14:00	VW
Dibenzofuran	ug/l	1.1 U,S13	EPA 8270	1.1	03/11/06 04:47	03/02/06 14:00	VW
Diethyl phthalate	ug/l	1.3 U,S13	EPA 8270	1.3	03/11/06 04:47	03/02/06 14:00	VW
Dimethyl phthalate	ug/l	0.94 U,S13	EPA 8270	0.94	03/11/06 04:47	03/02/06 14:00	VW
Di-n-butyl phthalate	ug/l	1.2 U,S13	EPA 8270	1.2	03/11/06 04:47	03/02/06 14:00	VW
Di-n-octyl phthalate	ug/l	2.0 U,S13	EPA 8270	2.0	03/11/06 04:47	03/02/06 14:00	VW
Diphenylamine	ug/l	1.0 U,S13	EPA 8270	1.0	03/11/06 04:47	03/02/06 14:00	VW
Ethyl methanesulfonate	ug/l	0.87 U,S13	EPA 8270	0.87	03/11/06 04:47	03/02/06 14:00	VW
Fluoranthene	ug/l	0.28 U,S13	EPA 8270	0.28	03/11/06 04:47	03/02/06 14:00	VW
Fluorene	ug/l	0.58 U,S13	EPA 8270	0.58	03/11/06 04:47	03/02/06 14:00	VW
Hexachlorobenzene	ug/l	0.57 U,S13	EPA 8270	0.57	03/11/06 04:47	03/02/06 14:00	VW
Hexachlorobutadiene	ug/l	1.0 U,S13	EPA 8270	1.0	03/11/06 04:47	03/02/06 14:00	VW
Hexachlorocyclopentadiene	ug/l	0.46 U,S13	EPA 8270	0.46	03/11/06 04:47	03/02/06 14:00	VW
Hexachloroethane	ug/l	1.3 U,S13	EPA 8270	1.3	03/11/06 04:47	03/02/06 14:00	VW
Hexachloropropene	ug/l	0.59 U,S13	EPA 8270	0.59	03/11/06 04:47	03/02/06 14:00	VW
Indeno[1,2,3-cd]pyrene	ug/l	0.81 U,S13	EPA 8270	0.81	03/11/06 04:47	03/02/06 14:00	VW
Isophorone	ug/l	0.77 U,S13	EPA 8270	0.77	03/11/06 04:47	03/02/06 14:00	VW
Isosafrole	ug/l	0.85 U,S13	EPA 8270	0.85	03/11/06 04:47	03/02/06 14:00	VW
Kepone	ug/l	1.4 U,S13	EPA 8270	1.4	03/11/06 04:47	03/02/06 14:00	VW
Methapyrilene	ug/l	0.94 U,S13	EPA 8270	0.94	03/11/06 04:47	03/02/06 14:00	VW
Methyl methanesulfonate	ug/l	0.58 U,S13	EPA 8270	0.58	03/11/06 04:47	03/02/06 14:00	VW
Naphthalene	ug/l	0.94 U,S13	EPA 8270	0.94	03/11/06 04:47	03/02/06 14:00	VW
Nitrobenzene	ug/l	0.75 U,S13	EPA 8270	0.75	03/11/06 04:47	03/02/06 14:00	VW
N-Nitro-o-toluidine	ug/l	0.70 U,S13	EPA 8270	0.70	03/11/06 04:47	03/02/06 14:00	VW
N-Nitrosodiethylamine	ug/l	0.94 U,S13	EPA 8270	0.94	03/11/06 04:47	03/02/06 14:00	VW
N-Nitrosodimethylamine	ug/l	1.3 U,S13	EPA 8270	1.3	03/11/06 04:47	03/02/06 14:00	VW
N-Nitrosodi-n-butylamine	ug/l	0.62 U,S13	EPA 8270	0.62	03/11/06 04:47	03/02/06 14:00	VW
N-Nitrosodi-n-propylamine	ug/l	1.5 U,S13	EPA 8270	1.5	03/11/06 04:47	03/02/06 14:00	VW
N-Nitrosodiphenylamine	ug/l	1.0 U,S13	EPA 8270	1.0	03/11/06 04:47	03/02/06 14:00	VW
N-Nitrosomethylethylamine	ug/l	1.1 U,S13	EPA 8270	1.1	03/11/06 04:47	03/02/06 14:00	VW
N-Nitrosopiperidine	ug/l	0.94 U,S13	EPA 8270	0.94	03/11/06 04:47	03/02/06 14:00	VW
N-Nitrosopyrrolidine	ug/l	0.66 U,S13	EPA 8270	0.66	03/11/06 04:47	03/02/06 14:00	VW
o,o',o''-Triethylphosphorothioate	ug/l	0.75 U,S13	EPA 8270	0.75	03/11/06 04:47	03/02/06 14:00	VW
p-Dimethylamino azobenzene	ug/l	0.37 U,S13	EPA 8270	0.37	03/11/06 04:47	03/02/06 14:00	VW
Pentachlorobenzene	ug/l	0.94 U,S13	EPA 8270	0.94	03/11/06 04:47	03/02/06 14:00	VW
Pentachloronitrobenzene	ug/l	0.51 U,S13	EPA 8270	0.51	03/11/06 04:47	03/02/06 14:00	VW

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Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 28, 2006
Project No: 57758

Laboratory Report

Project Name	**Leachate Analyses - Lena Road Landfill**	
Sample Description	**Lift Station 2 (AEO 9957)**	
Matrix	**Wastewater**	
SAL Sample Number	**57758.02**	
Date/Time Collected	**02/27/06**	**09:30**
Date/Time Received	**02/27/06**	**13:00**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Semivolatile Analyses							
Pentachlorophenol	ug/l	2.1 U,S13	EPA 8270	2.1	03/11/06 04:47	03/02/06 14:00	VW
Phenacetin	ug/l	0.50 U,S13	EPA 8270	0.50	03/11/06 04:47	03/02/06 14:00	VW
Phenanthrene	ug/l	0.47 U,S13	EPA 8270	0.47	03/11/06 04:47	03/02/06 14:00	VW
Phenol	ug/l	0.66 U,S13	EPA 8270	0.66	03/11/06 04:47	03/02/06 14:00	VW
p-Phenylene diamine	ug/l	470 U,S13	EPA 8270	470	03/11/06 04:47	03/02/06 14:00	VW
Pronamide	ug/l	0.33 U,S13	EPA 8270	0.33	03/11/06 04:47	03/02/06 14:00	VW
Pyrene	ug/l	0.34 U,S13	EPA 8270	0.34	03/11/06 04:47	03/02/06 14:00	VW
Safrole, Total	ug/l	1.0 U,S13	EPA 8270	1.0	03/11/06 04:47	03/02/06 14:00	VW
Field Parameter							
Specific Conductance	umhos/cm	1,459	DEP FT1200		02/27/06 09:30		BJD
Water Temperature	C	21.5	DEP FT1400		02/27/06 09:30		BJD
pH	Units	6.4	DEP FT1100		02/27/06 09:30		BJD
Dissolved Oxygen	mg/l	0.6	DEP FT1500		02/27/06 09:30		BJD
Inorganics							
Sulfide	mg/l	3.5	EPA 376.1	0.1	03/01/06 11:35		DP
Metals							
Tin	mg/l	0.1 U	EPA 200.7	0.1	03/01/06 14:20	03/01/06 11:30	AJH

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March 28, 2006
Project No: 57758

Laboratory Report

Project Name	**Leachate Analyses - Lena Road Landfill**
Sample Description	**Lift Station 3 (AEO 9958)**
Matrix	**Wastewater**
SAL Sample Number	**57758.03**
Date/Time Collected	**02/27/06 09:10**
Date/Time Received	**02/27/06 13:00**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	ug/l	0.63 U,S13	EPA 8260	0.63	03/10/06 01:34	03/10/06 01:34	JP
1,1,1-Trichloroethane	ug/l	0.46 U,S13	EPA 8260	0.46	03/10/06 01:34	03/10/06 01:34	JP
1,1,2,2-Tetrachloroethane	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 01:34	03/10/06 01:34	JP
1,1,2-Trichloroethane	ug/l	0.47 U,S13	EPA 8260	0.47	03/10/06 01:34	03/10/06 01:34	JP
1,1-Dichloroethane	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 01:34	03/10/06 01:34	JP
1,1-Dichloroethene	ug/l	0.45 U,S13	EPA 8260	0.45	03/10/06 01:34	03/10/06 01:34	JP
1,1-Dichloropropene	ug/l	0.31 U,S13	EPA 8260	0.31	03/10/06 01:34	03/10/06 01:34	JP
1,2,3-Trichloropropane	ug/l	0.15 U,S13	EPA 8260	0.15	03/10/06 01:34	03/10/06 01:34	JP
1,2-Dibromo-3-chloropropane	ug/l	0.74 U,S13	EPA 8260	0.74	03/10/06 01:34	03/10/06 01:34	JP
1,2-Dibromoethane	ug/l	0.50 U,S13	EPA 8260	0.50	03/10/06 01:34	03/10/06 01:34	JP
1,2-Dichlorobenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 01:34	03/10/06 01:34	JP
1,2-Dichloroethane	ug/l	0.57 U,S13	EPA 8260	0.57	03/10/06 01:34	03/10/06 01:34	JP
1,2-Dichloropropane	ug/l	0.52 U,S13	EPA 8260	0.52	03/10/06 01:34	03/10/06 01:34	JP
1,3-Dichlorobenzene	ug/l	0.64 U,S13	EPA 8260	0.64	03/10/06 01:34	03/10/06 01:34	JP
1,3-Dichloropropane	ug/l	0.39 U,S13	EPA 8260	0.39	03/10/06 01:34	03/10/06 01:34	JP
1,4-Dichlorobenzene	ug/l	1.2 S13	EPA 8260	0.52	03/10/06 01:34	03/10/06 01:34	JP
1-Propanol, 2-methyl	ug/l	31 U,S13	EPA 8260	31	03/10/06 01:34	03/10/06 01:34	JP
2,2-Dichloropropane	ug/l	0.36 U,S13	EPA 8260	0.36	03/10/06 01:34	03/10/06 01:34	JP
2-Chloro-1,3-butadiene	ug/l	0.89 U,S13	EPA 8260	0.89	03/10/06 01:34	03/10/06 01:34	JP
2-Hexanone	ug/l	4.4 U,S13	EPA 8260	4.4	03/10/06 01:34	03/10/06 01:34	JP
3-Chloro-1-propene	ug/l	1.1 U,S13	EPA 8260	1.1	03/10/06 01:34	03/10/06 01:34	JP
Acetone	ug/l	9.9 U,S13	EPA 8260	9.9	03/10/06 01:34	03/10/06 01:34	JP
Acetonitrile	ug/l	75 U,S13	EPA 8260	75	03/10/06 01:34	03/10/06 01:34	JP
Acrolein	ug/l	3.8 U,S13	EPA 8260	3.8	03/10/06 01:34	03/10/06 01:34	JP
Acrylonitrile	ug/l	1.2 U,S13	EPA 8260	1.2	03/10/06 01:34	03/10/06 01:34	JP
Benzene	ug/l	0.82 I,S13	EPA 8260	0.27	03/10/06 01:34	03/10/06 01:34	JP
Bromochloromethane	ug/l	0.58 U,S13	EPA 8260	0.58	03/10/06 01:34	03/10/06 01:34	JP
Bromodichloromethane	ug/l	0.35 U,S13	EPA 8260	0.35	03/10/06 01:34	03/10/06 01:34	JP
Bromoform	ug/l	0.58 U,S13	EPA 8260	0.58	03/10/06 01:34	03/10/06 01:34	JP
Bromomethane	ug/l	0.66 U,S13	EPA 8260	0.66	03/10/06 01:34	03/10/06 01:34	JP
Carbon disulfide	ug/l	0.85 U,S13	EPA 8260	0.85	03/10/06 01:34	03/10/06 01:34	JP
Carbon tetrachloride	ug/l	0.42 U,S13	EPA 8260	0.42	03/10/06 01:34	03/10/06 01:34	JP
Chlorobenzene	ug/l	4.8 S13	EPA 8260	0.63	03/10/06 01:34	03/10/06 01:34	JP
Chloroethane	ug/l	0.80 U,S13	EPA 8260	0.80	03/10/06 01:34	03/10/06 01:34	JP
Chloroform	ug/l	0.90 U,S13	EPA 8260	0.90	03/10/06 01:34	03/10/06 01:34	JP
Chloromethane	ug/l	0.64 U,S13	EPA 8260	0.64	03/10/06 01:34	03/10/06 01:34	JP
cis-1,2-Dichloroethene	ug/l	0.65 U,S13	EPA 8260	0.65	03/10/06 01:34	03/10/06 01:34	JP
cis-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 01:34	03/10/06 01:34	JP
Dibromochloromethane	ug/l	0.34 U,S13	EPA 8260	0.34	03/10/06 01:34	03/10/06 01:34	JP
Dibromomethane	ug/l	0.41 U,S13	EPA 8260	0.41	03/10/06 01:34	03/10/06 01:34	JP

FDOH Laboratory No. E84129
NELAP Accredited

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Leslie C. Boardman, Q. A. Manager

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Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 28, 2006
Project No: 57758

Laboratory Report

Project Name	**Leachate Analyses - Lena Road Landfill**
Sample Description	**Lift Station 3 (AEO 9958)**
Matrix	**Wastewater**
SAL Sample Number	**57758.03**
Date/Time Collected	**02/27/06 09:10**
Date/Time Received	**02/27/06 13:00**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Volatile Organic Compounds							
Dichlorodifluoromethane	ug/l	0.40 U,S13	EPA 8260	0.40	03/10/06 01:34	03/10/06 01:34	JP
Ethyl methacrylate	ug/l	0.53 U,S13	EPA 8260	0.53	03/10/06 01:34	03/10/06 01:34	JP
Ethylbenzene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 01:34	03/10/06 01:34	JP
Iodomethane	ug/l	0.67 U,S13	EPA 8260	0.67	03/10/06 01:34	03/10/06 01:34	JP
MEK (2-Butanone)	ug/l	8.4 U,S13	EPA 8260	8.4	03/10/06 01:34	03/10/06 01:34	JP
Methacrylonitrile	ug/l	1.8 U,S13	EPA 8260	1.8	03/10/06 01:34	03/10/06 01:34	JP
Methyl methacrylate	ug/l	0.66 U,S13	EPA 8260	0.66	03/10/06 01:34	03/10/06 01:34	JP
Methylene chloride	ug/l	4.0 U,S13	EPA 8260	4.0	03/10/06 01:34	03/10/06 01:34	JP
MIBK (4-Methyl-2-pentanone)	ug/l	3.8 U,S13	EPA 8260	3.8	03/10/06 01:34	03/10/06 01:34	JP
Propionitrile	ug/l	7.2 U,S13	EPA 8260	7.2	03/10/06 01:34	03/10/06 01:34	JP
Styrene	ug/l	0.98 U,S13	EPA 8260	0.98	03/10/06 01:34	03/10/06 01:34	JP
Tetrachloroethene	ug/l	0.34 U,S13	EPA 8260	0.34	03/10/06 01:34	03/10/06 01:34	JP
Toluene	ug/l	0.51 U,S13	EPA 8260	0.51	03/10/06 01:34	03/10/06 01:34	JP
trans-1,2-Dichloroethene	ug/l	0.44 U,S13	EPA 8260	0.44	03/10/06 01:34	03/10/06 01:34	JP
trans-1,3-Dichloropropene	ug/l	0.14 U,S13	EPA 8260	0.14	03/10/06 01:34	03/10/06 01:34	JP
trans-1,4-Dichloro-2-butene	ug/l	2.5 U,S13	EPA 8260	2.5	03/10/06 01:34	03/10/06 01:34	JP
Trichloroethene	ug/l	0.28 U,S13	EPA 8260	0.28	03/10/06 01:34	03/10/06 01:34	JP
Trichlorofluoromethane	ug/l	0.98 U,S13	EPA 8260	0.98	03/10/06 01:34	03/10/06 01:34	JP
Vinyl acetate	ug/l	1.5 U,S13	EPA 8260	1.5	03/10/06 01:34	03/10/06 01:34	JP
Vinyl chloride	ug/l	2.8 S13	EPA 8260	0.50	03/10/06 01:34	03/10/06 01:34	JP
Xylenes, Total	ug/l	0.30 U,S13	EPA 8260	0.30	03/10/06 01:34	03/10/06 01:34	JP
Organochlorine Pesticides							
4,4'-DDD	ug/l	0.0015 U,S13	EPA 8081	0.0015	03/06/06 22:40	03/02/06 14:00	MDS
4,4'-DDE	ug/l	0.0020 U,S13	EPA 8081	0.0020	03/06/06 22:40	03/02/06 14:00	MDS
4,4'-DDT	ug/l	0.0025 U,S13	EPA 8081	0.0025	03/06/06 22:40	03/02/06 14:00	MDS
Aldrin	ug/l	0.0026 U,S13	EPA 8081	0.0026	03/06/06 22:40	03/02/06 14:00	MDS
alpha-BHC	ug/l	0.0024 U,S13	EPA 8081	0.0024	03/06/06 22:40	03/02/06 14:00	MDS
beta-BHC	ug/l	0.0038 U,S13	EPA 8081	0.0038	03/06/06 22:40	03/02/06 14:00	MDS
Chlordane (technical)	ug/l	0.0036 U,S13	EPA 8081	0.0036	03/06/06 22:40	03/02/06 14:00	MDS
Chlorobenzilate	ug/l	0.018 U,S13	EPA 8081	0.018	03/06/06 22:40	03/02/06 14:00	MDS
delta-BHC	ug/l	0.0028 U,S13	EPA 8081	0.0028	03/06/06 22:40	03/02/06 14:00	MDS
Dieldrin	ug/l	0.0017 U,S13	EPA 8081	0.0017	03/06/06 22:40	03/02/06 14:00	MDS
Endosulfan I	ug/l	0.0016 U,S13	EPA 8081	0.0016	03/06/06 22:40	03/02/06 14:00	MDS
Endosulfan II	ug/l	0.0017 U,S13	EPA 8081	0.0017	03/06/06 22:40	03/02/06 14:00	MDS
Endosulfan sulfate	ug/l	0.0018 U,S13	EPA 8081	0.0018	03/06/06 22:40	03/02/06 14:00	MDS
Endrin	ug/l	0.0019 U,S13	EPA 8081	0.0019	03/06/06 22:40	03/02/06 14:00	MDS
Endrin aldehyde	ug/l	0.0024 U,S13	EPA 8081	0.0024	03/06/06 22:40	03/02/06 14:00	MDS
gamma-BHC (Lindane)	ug/l	0.0019 U,S13	EPA 8081	0.0019	03/06/06 22:40	03/02/06 14:00	MDS
Heptachlor	ug/l	0.0019 U,S13	EPA 8081	0.0019	03/06/06 22:40	03/02/06 14:00	MDS

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Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 28, 2006
Project No: 57758

Laboratory Report

Project Name	**Leachate Analyses - Lena Road Landfill**
Sample Description	**Lift Station 3 (AEO 9958)**
Matrix	**Wastewater**
SAL Sample Number	**57758.03**
Date/Time Collected	**02/27/06 09:10**
Date/Time Received	**02/27/06 13:00**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Organochlorine Pesticides							
Heptachlor epoxide	ug/l	0.0019 U,S13	EPA 8081	0.0019	03/06/06 22:40	03/02/06 14:00	MDS
Isodrin	ug/l	0.0041 U,S13	EPA 8081	0.0041	03/06/06 22:40	03/02/06 14:00	MDS
Methoxychlor	ug/l	0.0029 U,S13	EPA 8081	0.0029	03/06/06 22:40	03/02/06 14:00	MDS
Toxaphene	ug/l	0.29 U,S13	EPA 8081	0.29	03/06/06 22:40	03/02/06 14:00	MDS
Polychlorinated Biphenyls							
PCB-1016	ug/l	0.30 U,S13	EPA 8082	0.30	03/14/06 18:22	03/02/06 14:00	MDS
PCB-1221	ug/l	0.43 U,S13	EPA 8082	0.43	03/14/06 18:22	03/02/06 14:00	MDS
PCB-1232	ug/l	0.18 U,S13	EPA 8082	0.18	03/14/06 18:22	03/02/06 14:00	MDS
PCB-1242	ug/l	0.32 U,S13	EPA 8082	0.32	03/14/06 18:22	03/02/06 14:00	MDS
PCB-1248	ug/l	0.11 U,S13	EPA 8082	0.11	03/14/06 18:22	03/02/06 14:00	MDS
PCB-1254	ug/l	0.074 U,S13	EPA 8082	0.074	03/14/06 18:22	03/02/06 14:00	MDS
PCB-1260	ug/l	0.059 U,S13	EPA 8082	0.059	03/14/06 18:22	03/02/06 14:00	MDS
Organophosphorus Pesticides							
Dimethoate	ug/l	0.23 I,S13	EPA 8141	0.19	03/06/06 14:28	03/02/06 14:00	MLT
Disulfoton	ug/l	0.42 U,S13	EPA 8141	0.42	03/06/06 14:28	03/02/06 14:00	MLT
Famphur	ug/l	0.17 U,S13	EPA 8141	0.17	03/06/06 14:28	03/02/06 14:00	MLT
Methyl parathion	ug/l	0.32 U,S13	EPA 8141	0.32	03/06/06 14:28	03/02/06 14:00	MLT
Parathion	ug/l	0.22 U,S13	EPA 8141	0.22	03/06/06 14:28	03/02/06 14:00	MLT
Phorate	ug/l	0.28 U,S13	EPA 8141	0.28	03/06/06 14:28	03/02/06 14:00	MLT
Thionazin	ug/l	0.11 U,S13	EPA 8141	0.11	03/06/06 14:28	03/02/06 14:00	MLT
Chlorinated Herbicides							
2,4,5-T	ug/l	0.046 U,S13	EPA 8151	0.046	03/05/06 17:54	03/02/06 09:18	RO
2,4-D	ug/l	0.36 U,S13	EPA 8151	0.36	03/05/06 17:54	03/02/06 09:18	RO
Dinoseb	ug/l	0.42 U,S13	EPA 8151	0.42	03/05/06 17:54	03/02/06 09:18	RO
Silvex (2,4,5-TP)	ug/l	0.036 U,S13	EPA 8151	0.036	03/05/06 17:54	03/02/06 09:18	RO
Semivolatile Analyses							
1,2,4,5-Tetrachlorobenzene	ug/l	0.85 U,S13	EPA 8270	0.85	03/11/06 05:17	03/02/06 14:00	VW
1,2,4-Trichlorobenzene	ug/l	1.4 U,S13	EPA 8270	1.4	03/11/06 05:17	03/02/06 14:00	VW
1,3,5-Trinitrobenzene	ug/l	0.55 U,S13	EPA 8270	0.55	03/11/06 05:17	03/02/06 14:00	VW
1,3-Dinitrobenzene	ug/l	1.6 U,S13	EPA 8270	1.6	03/11/06 05:17	03/02/06 14:00	VW
1,4-Naphthoquinone	ug/l	0.32 U,S13	EPA 8270	0.32	03/11/06 05:17	03/02/06 14:00	VW
1-Naphthylamine	ug/l	0.58 U,S13	EPA 8270	0.58	03/11/06 05:17	03/02/06 14:00	VW
2,2'-oxybis(2-chloropropane)	ug/l	0.75 U,S13	EPA 8270	0.75	03/11/06 05:17	03/02/06 14:00	VW
2,3,4,6-Tetrachlorophenol	ug/l	3.6 U,S13	EPA 8270	3.6	03/11/06 05:17	03/02/06 14:00	VW
2,4,5-Trichlorophenol	ug/l	1.6 U,S13	EPA 8270	1.6	03/11/06 05:17	03/02/06 14:00	VW
2,4,6-Trichlorophenol	ug/l	1.3 U,S13	EPA 8270	1.3	03/11/06 05:17	03/02/06 14:00	VW
2,4-Dichlorophenol	ug/l	1.0 U,S13	EPA 8270	1.0	03/11/06 05:17	03/02/06 14:00	VW

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March 28, 2006
Project No: 57758

Laboratory Report

Project Name	**Leachate Analyses - Lena Road Landfill**
Sample Description	**Lift Station 3 (AEO 9958)**
Matrix	**Wastewater**
SAL Sample Number	**57758.03**
Date/Time Collected	**02/27/06 09:10**
Date/Time Received	**02/27/06 13:00**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Semivolatile Analyses							
2,4-Dimethylphenol	ug/l	2.5 U,S13	EPA 8270	2.5	03/11/06 05:17	03/02/06 14:00	VW
2,4-Dinitrophenol	ug/l	1.3 U,S13	EPA 8270	1.3	03/11/06 05:17	03/02/06 14:00	VW
2,4-Dinitrotoluene	ug/l	1.1 U,S13	EPA 8270	1.1	03/11/06 05:17	03/02/06 14:00	VW
2,6-Dichlorophenol	ug/l	0.68 U,S13	EPA 8270	0.68	03/11/06 05:17	03/02/06 14:00	VW
2,6-Dinitrotoluene	ug/l	1.0 U,S13	EPA 8270	1.0	03/11/06 05:17	03/02/06 14:00	VW
2-Acetylaminofluorene	ug/l	0.94 U,S13	EPA 8270	0.94	03/11/06 05:17	03/02/06 14:00	VW
2-Chloronaphthalene	ug/l	1.0 U,S13	EPA 8270	1.0	03/11/06 05:17	03/02/06 14:00	VW
2-Chlorophenol	ug/l	0.78 U,S13	EPA 8270	0.78	03/11/06 05:17	03/02/06 14:00	VW
2-Methylnaphthalene	ug/l	1.0 U,S13	EPA 8270	1.0	03/11/06 05:17	03/02/06 14:00	VW
2-Methylphenol	ug/l	0.94 U,S13	EPA 8270	0.94	03/11/06 05:17	03/02/06 14:00	VW
2-Naphthylamine	ug/l	0.59 U,S13	EPA 8270	0.59	03/11/06 05:17	03/02/06 14:00	VW
2-Nitroaniline	ug/l	1.0 U,S13	EPA 8270	1.0	03/11/06 05:17	03/02/06 14:00	VW
2-Nitrophenol	ug/l	1.0 U,S13	EPA 8270	1.0	03/11/06 05:17	03/02/06 14:00	VW
2-Toluidine	ug/l	0.60 U,S13	EPA 8270	0.60	03/11/06 05:17	03/02/06 14:00	VW
3 & 4 Methylphenol	ug/l	0.72 U,S13	EPA 8270	0.72	03/11/06 05:17	03/02/06 14:00	VW
3,3'-Dichlorobenzidine	ug/l	0.51 U,S13	EPA 8270	0.51	03/11/06 05:17	03/02/06 14:00	VW
3,3'-Dimethylbenzidine	ug/l	2.8 U,S13	EPA 8270	2.8	03/11/06 05:17	03/02/06 14:00	VW
3-Methylcholanthrene	ug/l	0.58 U,S13	EPA 8270	0.58	03/11/06 05:17	03/02/06 14:00	VW
3-Nitroaniline	ug/l	1.9 U,S13	EPA 8270	1.9	03/11/06 05:17	03/02/06 14:00	VW
4,6-Dinitro-2-methylphenol	ug/l	1.3 U,S13	EPA 8270	1.3	03/11/06 05:17	03/02/06 14:00	VW
4-Aminobiphenyl	ug/l	0.55 U,S13	EPA 8270	0.55	03/11/06 05:17	03/02/06 14:00	VW
4-Bromophenyl phenyl ether	ug/l	0.77 U,S13	EPA 8270	0.77	03/11/06 05:17	03/02/06 14:00	VW
4-Chloro-3-methylphenol	ug/l	1.6 U,S13	EPA 8270	1.6	03/11/06 05:17	03/02/06 14:00	VW
4-Chloroaniline	ug/l	0.57 U,S13	EPA 8270	0.57	03/11/06 05:17	03/02/06 14:00	VW
4-Chlorophenyl phenyl ether	ug/l	0.60 U,S13	EPA 8270	0.60	03/11/06 05:17	03/02/06 14:00	VW
4-Nitroaniline	ug/l	1.0 U,S13	EPA 8270	1.0	03/11/06 05:17	03/02/06 14:00	VW
4-Nitrophenol	ug/l	2.4 U,S13	EPA 8270	2.4	03/11/06 05:17	03/02/06 14:00	VW
7,12-Dimethylbenz(a)anthracene	ug/l	0.32 U,S13	EPA 8270	0.32	03/11/06 05:17	03/02/06 14:00	VW
Acenaphthene	ug/l	0.94 U,S13	EPA 8270	0.94	03/11/06 05:17	03/02/06 14:00	VW
Acenaphthylene	ug/l	0.64 U,S13	EPA 8270	0.64	03/11/06 05:17	03/02/06 14:00	VW
Acetophenone	ug/l	0.76 U,S13	EPA 8270	0.76	03/11/06 05:17	03/02/06 14:00	VW
Anthracene	ug/l	0.58 U,S13	EPA 8270	0.58	03/11/06 05:17	03/02/06 14:00	VW
Benzo[a]anthracene	ug/l	0.94 U,S13	EPA 8270	0.94	03/11/06 05:17	03/02/06 14:00	VW
Benzo[a]pyrene	ug/l	0.53 U,S13	EPA 8270	0.53	03/11/06 05:17	03/02/06 14:00	VW
Benzo[b]fluoranthene	ug/l	1.9 U,S13	EPA 8270	1.9	03/11/06 05:17	03/02/06 14:00	VW
Benzo[g,h,I]perylene	ug/l	0.59 U,S13	EPA 8270	0.59	03/11/06 05:17	03/02/06 14:00	VW
Benzo[k]fluoranthene	ug/l	0.51 U,S13	EPA 8270	0.51	03/11/06 05:17	03/02/06 14:00	VW
Benzyl alcohol	ug/l	0.84 U,S13	EPA 8270	0.84	03/11/06 05:17	03/02/06 14:00	VW
Bis(2-chloroethoxy)methane	ug/l	0.75 U,S13	EPA 8270	0.75	03/11/06 05:17	03/02/06 14:00	VW
Bis(2-chloroethyl)ether	ug/l	0.92 U,S13	EPA 8270	0.92	03/11/06 05:17	03/02/06 14:00	VW

SOUTHERN ANALYTICAL LABORATORIES, INC.
110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 28, 2006
Project No: 57758

Laboratory Report

Project Name	**Leachate Analyses - Lena Road Landfill**	
Sample Description	**Lift Station 3 (AEO 9958)**	
Matrix	**Wastewater**	
SAL Sample Number	**57758.03**	
Date/Time Collected	**02/27/06**	**09:10**
Date/Time Received	**02/27/06**	**13:00**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Semivolatile Analyses							
Bis(2-ethylhexyl)phthalate	ug/l	1.8 U,S13	EPA 8270	1.8	03/11/06 05:17	03/02/06 14:00	VW
Butyl benzyl phthalate	ug/l	1.4 U,S13	EPA 8270	1.4	03/11/06 05:17	03/02/06 14:00	VW
Chrysene	ug/l	0.29 U,S13	EPA 8270	0.29	03/11/06 05:17	03/02/06 14:00	VW
Diallate	ug/l	0.43 U,S13	EPA 8270	0.43	03/11/06 05:17	03/02/06 14:00	VW
Dibenz(a,h)anthracene	ug/l	0.54 U,S13	EPA 8270	0.54	03/11/06 05:17	03/02/06 14:00	VW
Dibenzofuran	ug/l	1.1 U,S13	EPA 8270	1.1	03/11/06 05:17	03/02/06 14:00	VW
Diethyl phthalate	ug/l	1.3 U,S13	EPA 8270	1.3	03/11/06 05:17	03/02/06 14:00	VW
Dimethyl phthalate	ug/l	0.94 U,S13	EPA 8270	0.94	03/11/06 05:17	03/02/06 14:00	VW
Di-n-butyl phthalate	ug/l	1.2 U,S13	EPA 8270	1.2	03/11/06 05:17	03/02/06 14:00	VW
Di-n-octyl phthalate	ug/l	2.0 U,S13	EPA 8270	2.0	03/11/06 05:17	03/02/06 14:00	VW
Diphenylamine	ug/l	1.0 U,S13	EPA 8270	1.0	03/11/06 05:17	03/02/06 14:00	VW
Ethyl methanesulfonate	ug/l	0.87 U,S13	EPA 8270	0.87	03/11/06 05:17	03/02/06 14:00	VW
Fluoranthene	ug/l	0.28 U,S13	EPA 8270	0.28	03/11/06 05:17	03/02/06 14:00	VW
Fluorene	ug/l	0.58 U,S13	EPA 8270	0.58	03/11/06 05:17	03/02/06 14:00	VW
Hexachlorobenzene	ug/l	0.57 U,S13	EPA 8270	0.57	03/11/06 05:17	03/02/06 14:00	VW
Hexachlorobutadiene	ug/l	1.0 U,S13	EPA 8270	1.0	03/11/06 05:17	03/02/06 14:00	VW
Hexachlorocyclopentadiene	ug/l	0.46 U,S13	EPA 8270	0.46	03/11/06 05:17	03/02/06 14:00	VW
Hexachloroethane	ug/l	1.3 U,S13	EPA 8270	1.3	03/11/06 05:17	03/02/06 14:00	VW
Hexachloropropene	ug/l	0.59 U,S13	EPA 8270	0.59	03/11/06 05:17	03/02/06 14:00	VW
Indeno[1,2,3-cd]pyrene	ug/l	0.81 U,S13	EPA 8270	0.81	03/11/06 05:17	03/02/06 14:00	VW
Isophorone	ug/l	0.77 U,S13	EPA 8270	0.77	03/11/06 05:17	03/02/06 14:00	VW
Isosafrole	ug/l	0.85 U,S13	EPA 8270	0.85	03/11/06 05:17	03/02/06 14:00	VW
Kepone	ug/l	1.4 U,S13	EPA 8270	1.4	03/11/06 05:17	03/02/06 14:00	VW
Methapyrilene	ug/l	0.94 U,S13	EPA 8270	0.94	03/11/06 05:17	03/02/06 14:00	VW
Methyl methanesulfonate	ug/l	0.58 U,S13	EPA 8270	0.58	03/11/06 05:17	03/02/06 14:00	VW
Naphthalene	ug/l	0.94 U,S13	EPA 8270	0.94	03/11/06 05:17	03/02/06 14:00	VW
Nitrobenzene	ug/l	0.75 U,S13	EPA 8270	0.75	03/11/06 05:17	03/02/06 14:00	VW
N-Nitro-o-toluidine	ug/l	0.70 U,S13	EPA 8270	0.70	03/11/06 05:17	03/02/06 14:00	VW
N-Nitrosodiethylamine	ug/l	0.94 U,S13	EPA 8270	0.94	03/11/06 05:17	03/02/06 14:00	VW
N-Nitrosodimethylamine	ug/l	1.3 U,S13	EPA 8270	1.3	03/11/06 05:17	03/02/06 14:00	VW
N-Nitrosodi-n-butylamine	ug/l	0.62 U,S13	EPA 8270	0.62	03/11/06 05:17	03/02/06 14:00	VW
N-Nitrosodi-n-propylamine	ug/l	1.5 U,S13	EPA 8270	1.5	03/11/06 05:17	03/02/06 14:00	VW
N-Nitrosodiphenylamine	ug/l	1.0 U,S13	EPA 8270	1.0	03/11/06 05:17	03/02/06 14:00	VW
N-Nitrosomethylethylamine	ug/l	1.1 U,S13	EPA 8270	1.1	03/11/06 05:17	03/02/06 14:00	VW
N-Nitrosopiperidine	ug/l	0.94 U,S13	EPA 8270	0.94	03/11/06 05:17	03/02/06 14:00	VW
N-Nitrosopyrrolidine	ug/l	0.66 U,S13	EPA 8270	0.66	03/11/06 05:17	03/02/06 14:00	VW
o,o',o''-Triethylphosphorothioate	ug/l	0.75 U,S13	EPA 8270	0.75	03/11/06 05:17	03/02/06 14:00	VW
p-Dimethylamino azobenzene	ug/l	0.37 U,S13	EPA 8270	0.37	03/11/06 05:17	03/02/06 14:00	VW
Pentachlorobenzene	ug/l	0.94 U,S13	EPA 8270	0.94	03/11/06 05:17	03/02/06 14:00	VW
Pentachloronitrobenzene	ug/l	0.51 U,S13	EPA 8270	0.51	03/11/06 05:17	03/02/06 14:00	VW

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110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

Manatee County Utility Operations Central Laboratory/ Industrial Compliance
5101 65th Street West
Bradenton, FL 34210-

March 28, 2006
Project No: 57758

Laboratory Report

Project Name	**Leachate Analyses - Lena Road Landfill**
Sample Description	**Lift Station 3 (AEO 9958)**
Matrix	**Wastewater**
SAL Sample Number	**57758.03**
Date/Time Collected	**02/27/06 09:10**
Date/Time Received	**02/27/06 13:00**

Parameters	Units	Results	Method	Detection Limit	Date/Time Analyzed	Date/Time Prep	Analyst
Semivolatile Analyses							
Pentachlorophenol	ug/l	2.1 U,S13	EPA 8270	2.1	03/11/06 05:17	03/02/06 14:00	VW
Phenacetin	ug/l	0.50 U,S13	EPA 8270	0.50	03/11/06 05:17	03/02/06 14:00	VW
Phenanthrene	ug/l	0.47 U,S13	EPA 8270	0.47	03/11/06 05:17	03/02/06 14:00	VW
Phenol	ug/l	0.66 U,S13	EPA 8270	0.66	03/11/06 05:17	03/02/06 14:00	VW
p-Phenylene diamine	ug/l	470 U,S13	EPA 8270	470	03/11/06 05:17	03/02/06 14:00	VW
Pronamide	ug/l	0.33 U,S13	EPA 8270	0.33	03/11/06 05:17	03/02/06 14:00	VW
Pyrene	ug/l	0.34 U,S13	EPA 8270	0.34	03/11/06 05:17	03/02/06 14:00	VW
Safrole, Total	ug/l	1.0 U,S13	EPA 8270	1.0	03/11/06 05:17	03/02/06 14:00	VW
Field Parameter							
Specific Conductance	umhos/cm	1,098	DEP FT1200		02/27/06 09:10		BJD
Water Temperature	C	22.9	DEP FT1400		02/27/06 09:10		BJD
pH	Units	6.3	DEP FT1100		02/27/06 09:10		BJD
Dissolved Oxygen	mg/l	1.3	DEP FT1500		02/27/06 09:10		BJD
Inorganics							
Sulfide	mg/l	0.56	EPA 376.1	0.1	03/01/06 11:35		DP
Metals							
Tin	mg/l	0.1 U	EPA 200.7	0.1	03/01/06 14:20	03/01/06 11:30	AJH

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5101 65th Street West
Bradenton, FL 34210-

March 28, 2006
Project No: 57758

Laboratory Report

Footnotes

*	Test results presented in this report meet all the requirements of the NELAC standards.
**	A statement of estimated uncertainty of test results is available upon request.
I,S13	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit. Analysis subcontracted to STL, FDOH Cert. No. E84282.
S13	Analysis subcontracted to STL, FDOH Cert. No. E84282.
U	Analyte was undetected. Indicated concentration is method detection limit.
U,S13	Analyte was not detected; indicated concentration is method detection limit. Analysis subcontracted to STL, FDOH Cert. No. E84282.

FDOH Laboratory No. E84129
NELAP Accredited

Approved By: Francis I. Daniels, Laboratory Director
Leslie C. Boardman, Q. A. Manager

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

SAL Project No. _____

Client Name	Contact / Phone:
Manatee County Utility Operations	Jeff Goodwin 941/792-8811 ext. 5235
Project Name / Location	**Turn Around Time Requested (*Surcharges may apply)**
Leachate Analyses - Lena Road Landfill	24 Hour* ☐ 48 Hour* ☐ 5 Bus. Days* ☐ 10 Bus. Days ☑
Samplers: (Signature) B. Gp	

Matrix Codes: DW-Drinking Water WW-Wastewater SW-SurfaceWater SL-Sludge SO-Soil GW-Groundwater SA-Saline Water O-Other R-Reagent Water

SAL Use Only Sample No.	Sample Description	Date	Time	Matrix	Composite	Grab	PARAMETER / CONTAINER DESCRIPTION: 250mL P, Cool 4°C Chloride	250mL P, Cool 4°C Nitrate	250mL P, Cool 4°C TDS	250mL P, Cool 4°C Alkalinity	250mL P, H_2SO_4 Ammonia	250mL P, HNO_3 Metals*, Na, Fe, Hg			
01	Lift Station 1 ABU 9956	2/27/06	0850	WW		X	1	1	1	1	1 (1)	2 (2)			
02	Lift Station 2 ABU 9957	2/27/06	0930	WW		X	1	1	1	1	1	2 (2)			
03	Lift Station 3 ABU 9958	2/27/06	0910	WW		X	1	1	1	1	1	2 (2)			

Samples to be delivered to MCUOD Central Laboratory.

Containers Prepared/ Relinquished:	Date/Time:	Received:	Date/Time:
Janet Huffman	2-21-06 1310	B. Gp	0530 2/27/06
Relinquished: B. Gp	Date/Time: 2/27/06	Received:	Date/Time: 2-27-06 1240
Relinquished:	Date/Time:	Received:	Date/Time:
Relinquished:	Date/Time:	Received:	Date/Time:
Relinquished:	Date/Time:	Received:	Date/Time:

Seal intact? Y N N/A
Samples intact upon arrival? (Y) N N/A
Received on ice? Temp 1°C (Y) N N/A
Proper preservatives indicated? (Y) N N/A
Rec'd within holding time? Y N N/A
Volatiles rec'd w/out headspace? Y N N/A
Proper containers used? Y N N/A

Instructions / Remarks

***40 CFR Part 258 Appendix II Metals.**

SAL Report Page ___ of ___

Chain of Custody.xls
Rev.Date 11/19/01

2006-0227-005

(1) Additional H_2SO_4 added in lab to pH < 2. 9mm 2.27.06
(2) HNO_3 added in lab to pH < 2. 5mm 2.27.06

Chain of Custody Page ____ of _____

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

SAL Project No. 57758

Client Name	Contact / Phone:
Manatee County Utility Operations	Jeff Goodwin 941/792-8811 ext. 5235
Project Name / Location	**Turn Around Time Requested (*Surcharges may apply)**
Leachate Analyses - Lena Road Landfill	24 Hour* ☐ 48 Hour* ☐ 5 Bus. Days* ☐ 10 Bus. Days ☑
Samplers: (Signature) Larry Ward	

Matrix Codes: DW-Drinking Water WW-Wastewater SW-SurfaceWater SL-Sludge SO-Soil GW-Groundwater SA-Saline Water O-Other R-Reagent Water

SAL Use Only Sample No.	Sample Description	Date	Time	Matrix	Composite	Grab	PARAMETER / CONTAINER DESCRIPTION: 250mL P, HNO_3 Sn	1LP, NaOH / Zn Acetate Sulfide	1LG, Cool 4°C 40 CFR Part 258 Appendix II Organics	40mL V, HCl 40 CFR Part 258 Appendix II Organics		Field Parameters			
01	Lift Station 1	2/27/06	0850	WW		X	1	1	8	3		See Field Sheet			
02	Lift Station 2	"	0930	WW		X	1	1	8	3		See Field Sheet			
03	Lift Station 3	"	0910	WW		X	1	1	7 8	3		See Field Sheet			
04	Trip Blank	2/21/06	1510	R		X			2/27/06	1					

Containers Prepared/ Relinquished:	Date/Time:	Received:	Date/Time:
Tamara Hughes	2-21-06 1310	[signature]	2/27/06 0530
Relinquished:	Date/Time:	Received:	Date/Time:
L. Ward	2/27/06 1300	[signature]	2/27/06 1300
Relinquished:	Date/Time:	Received:	Date/Time:
Relinquished:	Date/Time:	Received:	Date/Time:
Relinquished:	Date/Time:	Received:	Date/Time:

Seal intact? Y N (N/A)
Samples intact upon arrival? (Y) N N/A
Received on ice? Temp_____ (Y) N N/A
Proper preservatives indicated? (Y) N N/A
Rec'd within holding time? (Y) N N/A
Volatiles rec'd w/out headspace? (Y) N N/A
Proper containers used? (Y) N N/A

Instructions / Remarks

Field Parameters: Specific Conductance, pH, Dissolved Oxygen, Colors & Sheens

SAL Report Page ___ of ___

Chain of Custody.xls
Rev.Date 11/19/01

Chain of Custody Page ____ of _____

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

SAL Project# 57758
Date: 2/27/06

Leachate Sampling Log

Client Name:	Manatee County Utilities, Inc.	Location:	Lena Road Landfill	Contact:	Jeff Goodwin
				Phone:	941-792-8811 X 5235
Surface Water Description:	Lift Station 1 (AEO 7058)	Sample ID:	.01	GPS LONG:	
				GPS LAT:	
Date Sampled:	2/27/06				

Sampling Data

Sampled By / Affiliation	SAL	Sampler Signature:	[signature]
Sampling Device:	Direct to Container	Time Collected:	0850
Sampling Location:	Samping Spigot #1 at Leachate Manifold		
Depth of sample (ft.)	N/A		
Est. Flow Rate (if applicable)			
pH	6.51		
Specific Conductance (umhos)	1520		
Temperature (°C)	21.8		
Dissolved Oxygen (mg/L)	0.90		
Turbidity (NTU)	58.8		
Sample Appearance	Brown/Pale Yellow		
Sample Odor	Sul Sus - Slight		

Field Decontamination:	Y	(N)	Field Filtered:	Y	(N)	Duplicate:	Y (N)
Preservation Checked in the field?	(Y)	N	Initials:	BNO			

Field Cleaned (List sequence and all solutions used):

Site and Weather Conditions:

Sunny Breezy

Comments (use back of form if necessary)

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

SAL Project# 57758
Date: 2/27/06

Leachate Sampling Log

Client Name:	Manatee County Utilities, Inc.	Location:	Lena Road Landfill	Contact:	Jeff Goodwin
				Phone:	941-792-8811 X 5235
Surface Water Description:	Lift Station 2 (AEO 7059)	Sample ID:	.02	GPS LONG:	
				GPS LAT:	
Date Sampled:	2/27/06				

Sampling Data

Sampled By / Affiliation	SAL	Sampler Signature:	[signature]
Sampling Device:	Direct to Container	Time Collected:	0930
Sampling Location:	Samping Spigot #2 at Leachate Manifold		
Depth of sample (ft.)	N/A		
Est. Flow Rate (if applicable)	N/A		
pH	6.37		
Specific Conductance (umhos)	1,459		
Temperature (°C)	21.5		
Dissolved Oxygen (mg/L)	0.61		
Turbidity (NTU)	37.3		
Sample Appearance	Pale Yellow		
Sample Odor	Sulfur		

Field Decontamination:	Y	(N)	Field Filtered:	Y	(N)	Duplicate:	Y (N)
Preservation Checked in the field?	(Y)		N	Initials:	BAD		

Field Cleaned (List sequence and all solutions used):

Site and Weather Conditions:

Sunny / Breezy

Comments (use back of form if necessary)

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

SAL Project# 57758
Date: 2/27/06

Leachate Sampling Log

Client Name:	Manatee County Utilities, Inc.	Location:	Lena Road Landfill	Contact:	Jeff Goodwin
				Phone:	941-792-8811 X 5235
Surface Water Description:	Lift Station 3 (AEO 7060)	Sample ID:	.03	GPS LONG:	
				GPS LAT:	
Date Sampled:	2/27/06				

Sampling Data

Sampled By / Affiliation	SAL	Sampler Signature:	
Sampling Device:	Direct to Container	Time Collected:	0910
Sampling Location:	Samping Spigot #3 at Leachate Manifold		
Depth of sample (ft.)	N/A		
Est. Flow Rate (if applicable)	N/A		
pH	6.34		
Specific Conductance (umhos)	~~1300~~ BSN 2/27/06 1,078		
Temperature (°C)	23.9		
Dissolved Oxygen (mg/L)	1.31		
Turbidity (NTU)	40.3		
Sample Appearance	Red, Yellow		
Sample Odor	Sulfur		

Field Decontamination:	Y	(N)	Field Filtered:	Y	(N)	Duplicate:	Y (N)
Preservation Checked in the field?	(Y)	N	Initials:	BDD			

Field Cleaned (List sequence and all solutions used):

Site and Weather Conditions:

Sunny/Breezy

Comments (use back of form if necessary)