

JONES EDMUNDS

21375

July 10, 2007

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

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
JUL 11 2007
SOUTHWEST DISTRICT
TAMPA

RE: Quarterly Leachate Sampling – Second Quarter 2007
Citrus County Landfill
Permit No. 21375-008-SO/01
Jones Edmunds Project No. 03860-025-01

Dear Mr. Morris:

This report presents data from the Second Quarter sampling of the Leachate Effluent at the Citrus County Landfill, performed on April 25, 2007.

The Leachate Effluent was sampled for the quarterly parameters as required by the permit.

Weekly Leachate Effluent Analytical Reports and Monthly Leachate Influent Analytical Reports are included in this report. Monthly Operating Reports (April, May, and June) will be forwarded under separate cover.

No exceedences were reported for any of the leachate sampling events during the Second Quarter based on permit specific conditions.

If you have any questions regarding this report, please contact us at (352) 377-5821.

Sincerely,



Tammie L. Gardner
Project Manager

M:\EnvDocs\Citrus County\2007\07Q2 Leachate Letter.doc

xc: Susan Metcalfe, P.G.

Attachment 1: Quarterly Leachate Results
Attachment 2: Monthly Leachate Influent and Weekly Leachate Effluent Results

730 NE Waldo Rd
Gainesville, FL 32641

352.377.5821 Phone
352-377.3166 Fax
www.jonesedmunds.com

Florida Department of Environmental Regulation
Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

GROUNDWATER MONITORING REPORT

Rule 17-522.600 (11)

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
JUL 11 2007
SOUTHWEST DISTRICT
TAMPA

Part I GENERAL INFORMATION

- (1) Facility Name Citrus County Central Landfill
Address P.O. Box 340
City Lecanto, Florida Zip 34460-
Telephone Number _____
- (2) The WACS Identification Number SWD/09/39859
- (3) DER Permit Number 21375-008-SO/01
- (4) Authorized Representative Name Susan Metcalfe, P.G., Director, Division of Solid Waste
Address P.O. Box 340
City Lecanto, Florida Zip 34460-0340
Telephone Number (352) 527-7671
- (5) Type of Discharge Landfill
- (6) Method of Discharge Groundwater

Certification

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

Date: 7/10/07

Susan Metcalfe

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

- Sample Organization CompQAP # DEP SOP 001/01
- Analytical Lab CompQAP #/HRS Certification # E83182
CompQAP #/HRS Certification #
- Lab Name Environmental Conservation Laboratories, Inc.
- Address 10775 Central Point, Orlando, Florida 32824
- Phone Number (407) 826-5314

QUARTERLY LEACHATE RESULTS

Citrus County Central Landfill

Parameter Monitoring Report

PART III Analytical Results

Facility GMS #: SWD/09/39859

Test Site ID #: 175

Well Name: Leachate Effluent

Classification of Ground Water: GII

Ground Water Elevation (NGVD):

Sampling Date/Time: 4/25/2007 9:35:00 AM

Report Period: SECOND QUARTER 2007

Well Purged:

Well Type: ☐ Background
☐ Intermediate
☐ Compliance
☐ Other
☐ Detection

STORET CODE	PARAMETER MONITORED	SAMPLING METHOD	FIELD FILTERED	ANALYSIS METHOD	ANALYSIS DATE/TIME	ANALYSIS RESULT *	UNITS	DETECTION LIMIT/UNITS
070300	TOTAL DISSOLVED SOLIDS	E	No	EPA 160.1	5/1/2007 6:23:00 PM	2800	mg/L	10mg/L
000940	CHLORIDE	E	No	EPA 300.0	4/26/2007 5:49:00 PM	1100	mg/L	0.50mg/L
000610	AMMONIA NITROGEN	E	No	EPA 350.1	4/30/2007 2:25:00 PM	0.18	mg/L	0.003mg/L
000929	SODIUM	E	No	EPA 6020	4/28/2007 4:54:00 AM	660	mg/L	0.160mg/L
077651	1,2-DIBROMOETHANE (EDB)	E	No	EPA 8011	5/2/2007 7:26:00 PM	<0.004	µg/L	0.004µg/L
034030	BENZENE	E	No	EPA 8260B	4/28/2007 11:04:00 PM	<0.48	µg/L	0.48µg/L
032101	BROMODICHLOROMETHANE	E	No	EPA 8260B	4/28/2007 11:04:00 PM	24	µg/L	0.22µg/L
032104	BROMOFORM	E	No	EPA 8260B	4/28/2007 11:04:00 PM	5.8	µg/L	0.48µg/L
032106	CHLOROFORM	E	No	EPA 8260B	4/28/2007 11:04:00 PM	15	µg/L	0.89µg/L
032105	DIBROMOCHLOROMETHANE	E	No	EPA 8260B	4/28/2007 11:04:00 PM	17	µg/L	0.20µg/L
034371	ETHYLBENZENE	E	No	EPA 8260B	4/28/2007 11:04:00 PM	<0.99	µg/L	0.99µg/L
085795	M&P- XYLENES	E	No	EPA 8260B	4/28/2007 11:04:00 PM	<0.55	µg/L	0.55µg/L
077135	O-XYLENES	E	No	EPA 8260B	4/28/2007 11:04:00 PM	<0.60	µg/L	0.60µg/L
034010	TOLUENE	E	No	EPA 8260B	4/28/2007 11:04:00 PM	0.26 I	µg/L	0.25µg/L
039175	VINYL CHLORIDE	E	No	EPA 8260B	4/28/2007 11:04:00 PM	<0.52	µg/L	0.52µg/L
081551	XYLENES	E	No	EPA 8260B	4/28/2007 11:04:00 PM	<0.60	µg/L	0.60µg/L
000094	CONDUCTIVITY (FIELD)	E	No	Field	4/25/2007 9:35:00 AM	4440	µmhos/cm	
000299	DISSOLVED OXYGEN (FIELD)	E	No	Field	4/25/2007 9:35:00 AM	3.31	mg/L	
000400	pH (FIELD)	E	No	Field	4/25/2007 9:35:00 AM	8.01	pH Units	
046480	REDOX POTENTIAL (FIELD)	E	No	Field	4/25/2007 9:35:00 AM	115.9	mV	
000010	TEMPERATURE (FIELD)	E	No	Field	4/25/2007 9:35:00 AM	24.32	°C	
082078	TURBIDITY (FIELD)	E	No	Field	4/25/2007 9:35:00 AM	3.20	NTU	

Environmental Conservation Laboratories, Inc.

10775 Central Port Drive

Orlando FL, 32824

Phone: 407.826.5314 FAX: 407.850.6945



www.encolabs.com

Monday, May 7, 2007

Jones Edmunds & Associates, Inc. (JO006)

Attn: Lynne McDaniel

730 N.E. Waldo Road Bldg.A

Gainesville, FL 32641

**RE: Project Number: 03860-022-01, Project Name/Desc: Citrus County Landfill
ENCO Workorder: A701871**

Dear Lynne McDaniel,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, April 26, 2007.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

This data has been produced in accordance with NELAC standards (June, 2003). This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink that reads "David M. Camacho". The signature is written in a cursive, flowing style.

David Camacho

Project Manager

Enclosure(s)



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LAB #		A701871-01	A701871-02	A701871-03	-	-	-
MATRIX	Minimum	Ground Water	Ground Water	Ground Water	-	-	-
SAMPLE ID	Reporting Limit	Leachate EFF::07Q2CC- LEFF	Equip Blank #1::07Q2CC- LEQB1	Trip Blank #1::07Q2CC-TB1	-	-	-

Volatile Organic Compounds by GCMS (Water)

Vinyl chloride	1.0 ug/L	<0.52 [9]	<0.52 [9]	<0.52 [9]	-	-	-
Chloroform	1.0 ug/L	15	<0.89 [9]	<0.89 [9]	-	-	-
Benzene	1.0 ug/L	<0.48 [9]	<0.48 [9]	<0.48 [9]	-	-	-
Bromodichloromethane	0.40 ug/L	24	<0.22 [9]	<0.22 [9]	-	-	-
Toluene	1.0 ug/L	0.26 [3]	0.27 [3]	0.64 [3]	-	-	-
Dibromochloromethane	0.20 ug/L	17	<0.20 [9]	<0.20 [9]	-	-	-
Ethylbenzene	1.0 ug/L	<0.99 [9]	<0.99 [9]	<0.99 [9]	-	-	-
m,p-Xylenes	1.0 ug/L	<0.55 [9]	<0.55 [9]	<0.55 [9]	-	-	-
o-Xylene	1.0 ug/L	<0.60 [9]	<0.60 [9]	<0.60 [9]	-	-	-
Bromoform	1.0 ug/L	5.8	<0.48 [9]	<0.48 [9]	-	-	-
Xylenes (Total)	1.0 ug/L	<0.60 [9]	<0.60 [9]	<0.60 [9]	-	-	-
Dibromofluoromethane	137 [surr]	110%	110%	110%	-	-	-
1,2-Dichloroethane-d4	134 [surr]	110%	110%	110%	-	-	-
Toluene-d8	125 [surr]	100%	110%	100%	-	-	-
4-Bromofluorobenzene	133 [surr]	100%	110%	100%	-	-	-

Semivolatile Organic Compounds by GC (Water)

1,2-Dibromoethane	0.020 ug/L	<0.004 [9]	<0.004 [9]	-	-	-	-
1,3-Dichlorobenzene	141 [surr]	83%	75%	-	-	-	-

Metals by EPA 6000/7000 Series Methods (Water)

Sodium	1.00 mg/L	660 [1]	<0.0160 [9]	-	-	-	-
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Classical Chemistry Parameters (Water)

Ammonia as N	0.020 mg/L	0.18	0.008 [3]	-	-	-	-
Chloride	1.0 mg/L	1100 [1]	0.69 [3]	-	-	-	-
Total Dissolved Solids	10 mg/L	2800	<10 [9]	-	-	-	-

Field Parameters (Water)

Specific Conductance (EC)	0.00 umhos/cm	4443	-	-	-	-	-
Dissolved Oxygen	0.00 mg/L	3.31	-	-	-	-	-
pH	pH Units	8.01	-	-	-	-	-
Oxidation/Reduction Potential	mV	115.9	-	-	-	-	-
Temperature	0.00 °C	24.32	-	-	-	-	-
Turbidity	0.00 NTU	3.20	-	-	-	-	-



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QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
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Volatile Organic Compounds by GCMS - Quality Control

Batch 7D28007 - EPA 5030B_MS

Prepared: 04/28/2007 12:44 Analyzed: 04/28/2007 13:44

Blank (7D28007-BLK1)

Dichlorodifluoromethane	0.53 U	1.0	ug/L
Chloromethane	0.82 U	1.0	ug/L
Vinyl chloride	0.52 U	1.0	ug/L
Bromomethane	0.80 U	1.0	ug/L
Chloroethane	0.66 U	1.0	ug/L
Trichlorofluoromethane	0.70 U	1.0	ug/L
1,1-Dichloroethene	0.83 U	1.0	ug/L
Methylene chloride	1.0 U	2.0	ug/L
Methyl-tert-Butyl Ether	0.85 U	1.0	ug/L
trans-1,2-Dichloroethene	0.83 U	1.0	ug/L
cis-1,2-Dichloroethene	0.75 U	1.0	ug/L
1,1-Dichloroethane	0.60 U	1.0	ug/L
Chloroform	0.89 U	1.0	ug/L
1,1,1-Trichloroethane	0.88 U	1.0	ug/L
Carbon tetrachloride	0.85 U	1.0	ug/L
1,2-Dichloroethane	0.94 U	1.0	ug/L
Benzene	0.48 U	1.0	ug/L
Trichloroethene	0.71 U	1.0	ug/L
1,2-Dichloropropane	0.97 U	1.0	ug/L
Bromodichloromethane	0.22 U	0.40	ug/L
2-Chloroethyl Vinyl Ether	1.0 U	1.0	ug/L
cis-1,3-Dichloropropene	0.20 U	0.20	ug/L
Toluene	0.25 U	1.0	ug/L
trans-1,3-Dichloropropene	0.20 U	0.20	ug/L
1,1,2-Trichloroethane	0.44 U	1.0	ug/L
Tetrachloroethene	0.65 U	1.0	ug/L
Dibromochloromethane	0.20 U	0.20	ug/L
Chlorobenzene	0.21 U	1.0	ug/L
Ethylbenzene	0.99 U	1.0	ug/L
m,p-Xylenes	0.55 U	1.0	ug/L
o-Xylene	0.60 U	1.0	ug/L
Bromoform	0.48 U	1.0	ug/L
1,1,2,2-Tetrachloroethane	0.20 U	0.20	ug/L
1,3-Dichlorobenzene	0.25 U	1.0	ug/L
1,4-Dichlorobenzene	0.24 U	1.0	ug/L
1,2-Dichlorobenzene	0.27 U	1.0	ug/L

Surrogate: Dibromofluoromethane

52

ug/L

50.0

105 66-137

Surrogate: Toluene-d8

57

ug/L

50.0

113 76-125

Surrogate: 4-Bromofluorobenzene

54

ug/L

50.0

107 64-133

LCS (7D28007-BS1)

Prepared: 04/28/2007 12:44 Analyzed: 04/28/2007 13:14

1,1-Dichloroethene	26	1.0	ug/L	20.0	132	55.1-177
Benzene	25	1.0	ug/L	20.0	125	64.9-144
Trichloroethene	25	1.0	ug/L	20.0	126	70.2-128
Toluene	23	1.0	ug/L	20.0	114	68.4-128
Chlorobenzene	23	1.0	ug/L	20.0	117	63.5-136



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QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
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Volatile Organic Compounds by GCMS - Quality Control

Batch 7D28007 - EPA 5030B_MS

LCS (7D28007-BS1) Continued

Prepared: 04/28/2007 12:44 Analyzed: 04/28/2007 13:14

Surrogate: Dibromofluoromethane	64		ug/L	50.0		128	66-137			S-GC
Surrogate: Toluene-d8	63		ug/L	50.0		127	76-125			
Surrogate: 4-Bromofluorobenzene	56		ug/L	50.0		112	64-133			

Matrix Spike (7D28007-MS1)

Source: A702397-02

Prepared: 04/28/2007 12:44 Analyzed: 04/28/2007 14:13

1,1-Dichloroethene	24	1.0	ug/L	20.0	0.83 U	118	55.1-177			
Benzene	25	1.0	ug/L	20.0	0.48 U	124	65-143			
Trichloroethene	25	1.0	ug/L	20.0	0.71 U	127	70.2-128			
Toluene	19	1.0	ug/L	20.0	0.25 U	96	68.4-128			
Chlorobenzene	16	1.0	ug/L	20.0	0.21 U	81	63.5-136			

Surrogate: Dibromofluoromethane	51		ug/L	50.0		103	66-137			
Surrogate: Toluene-d8	60		ug/L	50.0		119	76-125			
Surrogate: 4-Bromofluorobenzene	38		ug/L	50.0		76	64-133			

Matrix Spike Dup (7D28007-MSD1)

Source: A702397-02

Prepared: 04/28/2007 12:44 Analyzed: 04/28/2007 14:43

1,1-Dichloroethene	22	1.0	ug/L	20.0	0.83 U	112	55.1-177	5	15.6	
Benzene	24	1.0	ug/L	20.0	0.48 U	121	65-143	3	11.8	
Trichloroethene	24	1.0	ug/L	20.0	0.71 U	119	70.2-128	6	13.3	
Toluene	24 QR-02	1.0	ug/L	20.0	0.25 U	119	68.4-128	21	12.4	QR-02
Chlorobenzene	22 QR-02	1.0	ug/L	20.0	0.21 U	109	63.5-136	29	18.9	QR-02

Surrogate: Dibromofluoromethane	48		ug/L	50.0		96	66-137			
Surrogate: Toluene-d8	55		ug/L	50.0		110	76-125			
Surrogate: 4-Bromofluorobenzene	48		ug/L	50.0		97	64-133			

Semivolatile Organic Compounds by GC - Quality Control

Batch 7E02005 - EPA 504/8011

Blank (7E02005-BLK1)

Prepared: 05/02/2007 14:00 Analyzed: 05/02/2007 18:32

1,2-Dibromoethane	0.004 U	0.020	ug/L							
1,2-Dibromo-3-chloropropane	0.004 U	0.020	ug/L							
Surrogate: 1,3-Dichlorobenzene	0.34		ug/L	0.500		67	42-141			

LCS (7E02005-BS1)

Prepared: 05/02/2007 14:00 Analyzed: 05/02/2007 18:43

1,2-Dibromoethane	0.29	0.020	ug/L	0.250		116	50-150			
1,2-Dibromo-3-chloropropane	0.27	0.020	ug/L	0.250		109	73-156			
Surrogate: 1,3-Dichlorobenzene	0.34		ug/L	0.500		69	42-141			

Matrix Spike (7E02005-MS1)

Source: A702368-01

Prepared: 05/02/2007 14:00 Analyzed: 05/02/2007 18:54

1,2-Dibromoethane	0.28	0.020	ug/L	0.250	0.004 U	111	50-150			
1,2-Dibromo-3-chloropropane	0.26	0.020	ug/L	0.250	0.004 U	105	73-156			
Surrogate: 1,3-Dichlorobenzene	0.33		ug/L	0.500		66	42-141			

Matrix Spike Dup (7E02005-MSD1)

Source: A702368-01

Prepared: 05/02/2007 14:00 Analyzed: 05/02/2007 19:05

1,2-Dibromoethane	0.28	0.020	ug/L	0.250	0.004 U	114	50-150	2	25	
1,2-Dibromo-3-chloropropane	0.27	0.020	ug/L	0.250	0.004 U	108	73-156	2	7.1	
Surrogate: 1,3-Dichlorobenzene	0.35		ug/L	0.500		70	42-141			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7D27005 - EPA 3005A

Blank (7D27005-BLK1)

Prepared: 04/27/2007 12:55 Analyzed: 04/27/2007 22:03

Sodium	0.016 U	1.00	mg/L							
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QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
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Metals by EPA 6000/7000 Series Methods - Quality Control*Batch 7D27005 - EPA 3005A*

LCS (7D27005-BS1)				Prepared: 04/27/2007 12:55 Analyzed: 04/27/2007 22:08						
Sodium	27.2	1.00	mg/L	25.0		109	85-115			
Matrix Spike (7D27005-MS1)				Source: A701947-01		Prepared: 04/27/2007 12:55 Analyzed: 04/27/2007 22:23				
Sodium	121 QM-4X,	1.00	mg/L	25.0	91.6	116	70-130			QM-
Matrix Spike Dup (7D27005-MSD1)				Source: A701947-01		Prepared: 04/27/2007 12:55 Analyzed: 04/27/2007 22:31				
Sodium	123 QM-4X,	1.00	mg/L	25.0	91.6	128	70-130	2	20	QM-
Post Spike (7D27005-PS1)				Source: A701947-01		Prepared: 04/27/2007 12:00 Analyzed: 04/27/2007 22:40				
Sodium	11300 QM-08, E	100	ug/L	2450	8980	95	75-125			QM-08

Batch AA00794 - 7D27005

Serial Dilution (AA00794-SRD1)				Source: A701866-02		Prepared: 04/27/2007 00:00 Analyzed: 04/27/2007 18:34				
Sodium	0.080 U	5.00	ug/L						10	
Serial Dilution (AA00794-SRD2)				Source: A701947-01		Prepared: 04/27/2007 00:00 Analyzed: 04/27/2007 22:48				
Sodium	88.5	5.00	ug/L		91.6			3	10	

Classical Chemistry Parameters - Quality Control*Batch 7D26013 - NA*

Blank (7D26013-BLK1)				Prepared: 04/26/2007 11:46 Analyzed: 04/26/2007 18:42						
Chloride	0.55 l	1.0	mg/L							
LCS (7D26013-BS1)				Prepared: 04/26/2007 11:46 Analyzed: 04/26/2007 19:00						
Chloride	240	1.0	mg/L	250		94	90-110			
Matrix Spike (7D26013-MS1)				Source: A702206-01		Prepared: 04/26/2007 11:46 Analyzed: 04/26/2007 19:18				
Chloride	240	1.0	mg/L	255	4.7	93	90-110			
Matrix Spike Dup (7D26013-MSD1)				Source: A702206-01		Prepared: 04/26/2007 11:46 Analyzed: 04/26/2007 19:36				
Chloride	250	1.0	mg/L	255	4.7	97	90-110	4	26	

Batch 7D30002 - NO PREP

Blank (7D30002-BLK1)				Prepared: 04/30/2007 08:21 Analyzed: 04/30/2007 13:41						
Ammonia as N	0.003 U	0.020	mg/L							
LCS (7D30002-BS1)				Prepared: 04/30/2007 08:21 Analyzed: 04/30/2007 14:16						
Ammonia as N	0.99	0.020	mg/L	1.00		99	90-110			
Matrix Spike (7D30002-MS1)				Source: A702341-01		Prepared: 04/30/2007 08:21 Analyzed: 04/30/2007 14:28				
Ammonia as N	0.80 QL-01	0.020	mg/L	1.00	0.003 U	80	90-110			QL-01
Matrix Spike Dup (7D30002-MSD1)				Source: A702341-01		Prepared: 04/30/2007 08:21 Analyzed: 04/30/2007 14:29				
Ammonia as N	0.78 QL-01	0.020	mg/L	1.00	0.003 U	78	90-110	3	10	QL-01

Batch 7D30006 - NO PREP

Blank (7D30006-BLK1)				Prepared: 04/30/2007 17:10 Analyzed: 05/01/2007 18:23						
Total Dissolved Solids	10 U	10	mg/L							
LCS (7D30006-BS1)				Prepared: 04/30/2007 17:10 Analyzed: 05/01/2007 18:23						
Total Dissolved Solids	310	10	mg/L	300		102	86-118			
Duplicate (7D30006-DUP1)				Source: A702269-02		Prepared: 04/30/2007 17:10 Analyzed: 05/01/2007 18:23				
Total Dissolved Solids	540	10	mg/L	540				0	10	

Special Notes

- [1] D = Data reported from a dilution
- [2] E = The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-flag).
- [3] I = Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
- [4] QL- = Sample results for the QC batch were accepted based on LCS/LCSD percent recoveries and RPD values.
- [5] QM- = Post-digestion spike did not meet method requirements due to confirmed matrix effects (dilution test).
- [6] QM- = The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
- [7] QR- = The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- [8] S-GC = Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
- [9] U = Analyte included in the analysis, but not detected



www.encolabs.com

LABORATORY CERTIFICATION SUMMARY

Analysis	Matrix	Cert ID	Cert Number
8011	Water	NELAC	E83182
8260B Arom/Halo	Water	NELAC	E83182
Ammonia 350.1	Water	NELAC	E83182
Chloride 300	Water	NELAC	E83182
Sodium Total EPA 6020	Water	NELAC	E83182
TDS 160.1	Water	NELAC	E83182



ENVIRONMENTAL CONSERVATION LABORATORIES

QSARF #A701871

4810 Executive Park Court, Suite 211
Jacksonville, Florida 32218-6069
Ph. (904) 296-3007 • Fax (904) 296-6210

10207 General Drive
Orlando, Florida 32824-8529
Ph. (407) 826-5314 • Fax (407) 850-6945

1015 Passport Way
Cary, North Carolina 27513
Ph. (919) 877-1669 • Fax (919) 677-9846

ENCO CompQAP No.: 960038G/0

CHAIN OF CUSTODY RECORD

PROJECT REFERENCE <i>Citrus County Landfill</i>				PROJECT NO. <i>03860-082-01</i>		P.O. NUMBER		MATRIX TYPE		REQUIRED ANALYSIS		PAGE / OF /																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
PROJECT LOCATION <i>FL</i>		SAMPLER(S) NAME <i>Steve Messick</i>				PHONE <i>(352) 377-5821</i>		FAX <i>(352) 377-3166</i>		☒ STANDARD REPORT DELIVERY ☐ EXPEDITED REPORT DELIVERY (surcharge) Date Due:		REMARKS <i>See attached list</i> <i>P250/B</i>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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CLIENT ADDRESS (CITY, STATE, ZIP) <i>730 N.W. Waldo Rd. Gainesville, FL 32641</i>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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RECEIVED FOR LABORATORY USE (SIGNATURE) <i>[Signature]</i>		DATE <i>4/25/07</i>		TIME <i>0800</i>		CUSTODY IN TRANSIT <i>YES</i>		ENCO LOG NO. <i>A70871</i>		REMARKS <i>Samples shipped by Greyhound Bus - Priority from Gainesville, FL to Orlando, FL.</i> <i>AT 001 30</i>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															





Please return a copy of this form with original lab report.

Project Name: Citrus County Landfill
Project Number: 03860-2022-01
Date: 4/25/07
Sampler: Steve Messick
Laboratory: ENCO in Orlando, FL.

[illegible]

TO BE SUBMITTED TO LABORATORY WITH CHAIN-OF-CUSTODY

50

**MONTHLY LEACHATE INFLUENT AND WEEKLY LEACHATE EFFLUENT
ANALYTICAL RESULTS**

S.A.C. ENVIRONMENTAL LABORATORY INC
FLDOH CERTIFICATION #84492
ANALYTICAL REPORT

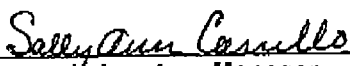
SOLID WASTE MANAGEMENT
PO BOX 340
LECANTO FL 34460

Invoice Number 8983

Client CITRUS COUNTY UTILITIES Sample Number E070622
Project LANDFILL LEACHATE PLANT Date/Time Sampled 4/3/07 0915 HRS
Sample Description WWTP/EFF Date/Time Received 4/3/07 1005 HRS

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	3.18	1.4 mg/L	CK	4/4/07 1000 HRS
SM2540-D	TSS	mg/L	1.50	1.0 mg/L	RAC	4/4/07 1000 HRS

NITRATE
SUB TO
ADVANCED ENVIRONMENTAL LABORATORIES
DHRS CERT IFICATION #E84589/E82574


Laboratory Manager

These results relate only to this sample.

For all results qualified with an I, the PQL is defined to be 4 times the MDL



Advanced
Environmental Laboratories, Inc.

Advanced Environmental Laboratories, Inc
9610 Princess Palm Avenue
Tampa, FL 33619
Phone: (813)630-4327
Fax: (813)630-9616

April 18, 2007

Sally Carillo
Sac Environmental Lab
5376 South Suncoast Blvd.
Homosassa, FL 34446

RE: Workorder: T0754791 Citrus County

Dear Sally Carillo:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, April 04, 2007. Results reported herein conform to the most current NELAP standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tammie Heslin for
Melissa Lavigne
mlavigne@aellab.com

Enclosures

Report ID: 1833 - 30646

Page 1 of 6

CERTIFICATE OF ANALYSIS

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Tampa, FL 33619
Phone: (813)630-4327
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ANALYTICAL RESULTS

Workorder: T0754791 Citrus County

Lab ID: T0754791001

Sample ID: Effluent

Sample

Date Received: 4/4/2007 13:25 Matrix: Water

Date Collected: 4/3/2007 09:15

Location Landfill Leachate PI

Parameters	Results Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	By	Lab
WET CHEMISTRY								
Analysis Desc: Nitrate, SM4500NO3F, Water								
Analytical Method: SM 4500NO3-F								
Nitrate	2.2 mg/L		1	0.20	0.047	4/4/2007 14:34	ENE	T

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9810 Princess Palm Avenue
Tampa, FL 33619
Phone: (813)630-4327
Fax: (813)630-9616

SAMPLE SUMMARY

Workorder: T0754791 Citrus County

Lab ID	Sample ID	Matrix	Date Collected	Date Received
T0754791001	Effluent	Water	4/3/2007 09:15	4/4/2007 13:25

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ANALYTICAL RESULTS QUALIFIERS

Workorder: T0754791 Citrus County

PARAMETER QUALIFIERS

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

LAB QUALIFIERS

- T DOH Certification #E84589(AEL-T)(FL NELAC Certification)

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Tampa, FL 33619
Phone: (813)630-4327
Fax: (813)630-9616

QUALITY CONTROL DATA

Workorder: T0754791 Citrus County

QC Batch:	WCA11221	Analysis Method:	SM 4500NO3-F	
QC Batch Method:	SM 4500NO3-F	Prepared:		By:
Associated Lab Samples:	T0754780003	T0754786001	T0754787001	T0754788001 T0754790001 T0754791001

METHOD BLANK: 7069

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Nitrate	mg/L	0.047U	0.047

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9610 Princess Palm Avenue
Tampa, FL 33619
Phone: (813)630-4327
Fax: (813)630-9616

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T0754791 Citrus County

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
T0754791001	Effluent	SM 4500NO3-F	WCAW1221		

CERTIFICATE OF ANALYSIS

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Advanced Environmental Labs Inc

Advanced Environmental Labs
9610 Princess Palm Ave.
Tampa, FL 33619

Client: SAC

Project name: Citrus Co.

Date/Time Rcvd: 4/4/07 1326

Log-in request number: 70754 191

Received by: HCO

Completed by: She

Cooler/Shipping Information:

Courier: ☒ AEL ☐ Client ☐ UPS ☐ Blue Streak ☐ FedEx ☐ Other (describe): _____

Type: ☒ Cooler ☐ Box ☐ Other (describe) _____

Cooler temperature: Identify the cooler and document the temperature blank or ice water measurement

pH (if applicable)					
Temp (°C)	02				
Temp taken from	☐ Temp blank ☒ Sample bottle	☐ Temp blank ☐ Sample bottle	☐ Temp blank ☐ Sample bottle	☐ Temp blank ☐ Sample bottle	☐ Temp blank ☐ Sample bottle
Temp measured with	☒ IR gun (ID: 10A) ☐ Thermometer (enter ID):	☐ IR gun (ID: 10A) ☐ Thermometer (enter ID):	☐ IR gun (ID: 10A) ☐ Thermometer (enter ID):	☐ IR gun (ID: 10A) ☐ Thermometer (enter ID):	☐ IR gun (ID: 10A) ☐ Thermometer (enter ID):

Other Information:

Other Information:
Any "NO" responses or discrepancies should be explained in the "Comments" section below.

CHECKLIST		YES	NO	NA
1.	Were custody seals on shipping container(s) intact?	/		/
2.	Were custody papers properly included with samples?	/		
3.	Were custody papers properly filled out (ink, signed, match labels)?	/		
4.	Did all bottles arrive in good condition (unbroken)?	/		
5.	Were all bottle labels complete (sample #, date, signed, analysis, preservatives)?	/		
6.	Did the sample labels agree with the chain of custody?	/		
7.	Were correct bottles used for the tests indicated?	/		
8.	Were proper sample preservation techniques indicated on the label?	/		
9.	Were samples received within holding times?	/		
10.	Were all VOA vials checked for the presence of air bubbles?			/
11.	Were there air bubbles present in the VOA vials?			/
12.	Were samples in direct contact with wet ice? If "No," check one: ☐ NO ICE ☐ BLUE ICE	/		
13.	Was the cooler temperature less than 6°C?	/		
14.	Were sample pHs checked and recorded by Sample control? <i>NOTE: VOA samples are checked by laboratory analysts.</i>	/		
15.	Were the sample containers provided by AEL?	/		
16.	Were samples accepted into the laboratory?	/		

Comments:

S.A.C. ENVIRONMENTAL LABORATORY INC
FLDOH CERTIFICATION #84492
ANALYTICAL REPORT

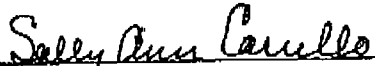
SOLID WASTE MANAGEMENT
PO BOX 340
LECANTO FL 34460

Invoice Number 8983

Client CITRUS COUNTY UTILITIES Sample Number E070699
Project LANDFILL LEACHATE PLANT Date/Time Sampled 4/11/07 0910 HRS
Sample Description WWTP/EFF Date/Time Received 4/11/07 1050 HRS

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	4.57	1.4 mg/L	CK	4/12/07 0730 HRS
SM2540-D	TSS	mg/L	<1	1.0 mg/L	RAC	4/13/07 1015 HRS

NITRATE
SUB TO
ADVANCED ENVIRONMENTAL LABORATORIES
DHRS CERT IFICATION #E84589/E82574


Laboratory Manager

These results relate only to this sample.

For all results qualified with an I, the PQL is defined to be 4 times the MDL



Advanced
Environmental Laboratories, Inc.

Advanced Environmental Laboratories, Inc
9810 Princess Palm Avenue
Tampa, FL 33619
Phone: (813)830-4327
Fax: (813)830-9816

April 18, 2007

Sally Canillo
Sac Environmental Lab
5376 South Suncoast Blvd.
Homosassa, FL 34446

RE: Workorder: T0755134 Landfill Leachate Plant

Dear Sally Canillo:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday, April 12, 2007. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tammie Heslin
theslin@aellab.com

Enclosures

Report ID: 2431 - 55790

Page 1 of 6

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ANALYTICAL RESULTS

Workorder: T0755134 Landfill Leachate Plant

Lab ID: T0755134001

Date Received: 4/12/2007 08:15

Matrix: Water

Sample ID: Effluent

Date Collected: 4/11/2007 09:10

Sample

Location WWTP

Parameters	Results Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	By	Lab
WET CHEMISTRY								
Analysis Done: Nitrate, SM 4500 NO3-F, Water								
Analytical Method: SM 4500 NO3-F								
Nitrate	1.7 mg/L		5	1.0	0.24	4/12/2007 08:07	ENE	T

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SAMPLE SUMMARY

Workorder: T0755134 Landfill Leachate Plant

Lab ID	Sample ID	Matrix	Date Collected	Date Received
T0755134001	Effluent	Water	4/11/2007 09:10	4/12/2007 08:15

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ANALYTICAL RESULTS QUALIFIERS

Workorder: T0755134 Landfill Leachate Plant

PARAMETER QUALIFIERS

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

LAB QUALIFIERS

- T DOH Certification #E84589(AEL-T)(FL NELAC Certification)

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QUALITY CONTROL DATA

Workorder: T0755134 Landfill Leachate Plant

QC Batch:	WCAI/1331	Analysis Method:	SM 4500NO3-F
QC Batch Method:	SM 4500NO3-F	Prepared:	
Associated Lab Samples:	T0755132001	T0755133001	T0755134001

By:

METHOD BLANK: 9723

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Nitrate	mg/L	0.047U	0.047

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T0755134 Landfill Leachate Plant

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
T0755134001	Effluent	SM 4500NO3-F	WCAU1331		

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Advanced Environmental Labs
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Tampa, FL 33619

Client: SACProject name: LandfillDate/Time Rcvd: 4/12/07 815Log-In request number: TD755134Received by: MAZCompleted by: AK**Cooler/Shipping Information:**Courier: ☐ AEL ☒ Client ☐ UPS ☐ Blue Streak ☐ FedEx ☐ Other (describe): _____Type: ☒ Cooler ☐ Box ☐ Other (describe): _____

Cooler temperature: Identify the cooler and document the temperature blank or ice water measurement

pH (if applicable)					
Temp (°C)	<u>02</u>				
Temp taken from	☐ Temp blank ☒ Sample bottle	☐ Temp blank ☐ Sample bottle	☐ Temp blank ☐ Sample bottle	☐ Temp blank ☐ Sample bottle	☐ Temp blank ☐ Sample bottle
Temp measured with	☐ IR gun (ID: 10A) ☐ Thermometer (enter ID):	☐ IR gun (ID: 10A) ☐ Thermometer (enter ID):	☐ IR gun (ID: 10A) ☐ Thermometer (enter ID):	☐ IR gun (ID: 10A) ☐ Thermometer (enter ID):	☐ IR gun (ID: 10A) ☐ Thermometer (enter ID):

Other Information:

Any "NO" responses or discrepancies should be explained in the "Comments" section below.

CHECKLIST

	YES	NO	NA
1. Were custody seals on shipping container(s) intact?	—		
2. Were custody papers properly included with samples?	—		
3. Were custody papers properly filled out (ink, signed, match labels)?	—		
4. Did all bottles arrive in good condition (unbroken)?	—		
5. Were all bottle labels complete (sample #, date, signed, analysis, preservatives)?	—		
6. Did the sample labels agree with the chain of custody?	—		
7. Were correct bottles used for the tests indicated?	—		
8. Were proper sample preservation techniques indicated on the label?	—		
9. Were samples received within holding times?	—		
10. Were all VOA vials checked for the presence of air bubbles?	—		—
11. Were there air bubbles present in the VOA vials?	—		—
12. Were samples in direct contact with wet ice? If "No," check one: ☐ NO ICE ☐ BLUE ICE	—		
13. Was the cooler temperature less than 6°C?	—		
14. Were sample pHs checked and recorded by Sample control? <i>NOTE: VOA samples are checked by laboratory analysts.</i>	—		
15. Were the sample containers provided by AEL?	—		
16. Were samples accepted into the laboratory?	—		

Comments:

S.A.C. ENVIRONMENTAL LABORATORY INC
FLDOH CERTIFICATION #84492
ANALYTICAL REPORT

SOLID WASTE MANAGEMENT
 PO BOX 340
 LECANTO FL 34460

Invoice Number 8983

Client	CITRUS COUNTY UTILITIES			Sample Number	E070551	
Project	LANDFILL LEACHATE PLANT			Date/Time Sampled	4/17/07	0945 HRS
Sample Description	WWTP/INF			Date/Time Received	4/17/07	1230 HRS
Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	102.50	1.4 mg/L	AP	4/19/07 0900 HRS
SM2540-D	TSS	mg/L	82.00	1.0 mg/L	RAC	4/18/07 1030 HRS
Sample Description				Date/Time Sampled	4/17/07	0950 HRS
WWTP/EFF				Date/Time Received	4/17/07	1230 HRS
Method	Analytes	Units	Results	% Removal MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	2.11	97.94% 1.4 mg/L	AP	4/19/07 0900 HRS
SM2540-D	TSS	mg/L	<1	100% 1.0 mg/L	RAC	4/18/07 1030 HRS

AMMONIA AND NITRATE
 SUB TO
 ADVANCED ENVIRONMENTAL LABORATORIES
 DHRS CERT IFICATION #E84589/E82574

Sally Ann Casillo
 Laboratory Manager

These results relate only to this sample.
 For all Results qualified with an I, the POL is defined to be 4 times the MDL



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April 30, 2007

Sally Carillo
Sac Environmental Lab
5376 South Suncoast Blvd.
Homosassa, FL 34446

RE: Workorder: T0755413 Landfill Leachate Plant

Dear Sally Carillo:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, April 18, 2007. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tammie Hestlin
theslin@aellab.com

Enclosures

Report ID: 2948 - 69736

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ANALYTICAL RESULTS

Workorder: T0755413 Landfill Leachate Plant

Lab ID: T0755413001
Sample ID: Influent
Sample

Date Received: 4/18/2007 12:40 Matrix: Water
Date Collected: 4/17/2007 09:45
Location

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	By	Lab
------------	---------	-------	------	----	-----------------	-----------------	----------	----	-----

WET CHEMISTRY

Analysis Desc: Ammonia, EPA 350.1, Water

Analytical Method: EPA 350.1

Ammonia

250 mg/L

200

16

7.8

4/23/2007 10:46

ENE

T

Lab ID: T0755413002
Sample ID: Effluent
Sample

Date Received: 4/18/2007 12:40 Matrix: Water
Date Collected: 4/17/2007 09:50
Location

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	By	Lab
------------	---------	-------	------	----	-----------------	-----------------	----------	----	-----

WET CHEMISTRY

Analysis Desc:

Nitrate, SM 4500 NO3-F, Water

Analytical Method: SM 4500 NO3-F

Nitrate

3.0 mg/L

5

1.0

0.24

4/18/2007 14:32

ENE

T

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SAMPLE SUMMARY

Workorder: T0755413 Landfill Leachate Plant

Lab ID	Sample ID	Matrix	Date Collected	Date Received
T0755413001	Influent	Water	4/17/2007 09:45	4/18/2007 12:40
T0755413002	Effluent	Water	4/17/2007 09:50	4/18/2007 12:40

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ANALYTICAL RESULTS QUALIFIERS

Workorder: T0755413 Landfill Leachate Plant

PARAMETER QUALIFIERS

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

LAB QUALIFIERS

- T DOH Certification #E84589(AEL-T)(FL NELAC Certification)

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QUALITY CONTROL DATA

Workorder: T0755413 Landfill Leachate Plant

QC Batch: WCAV1424

Analysis Method: SM 4500NO3-F

By:

QC Batch Method: SM 4500NO3-F

Prepared:

Associated Lab Samples: T0755413002

METHOD BLANK: 11928

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Nitrate	mg/L	0.047U	0.047

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QUALITY CONTROL DATA

Workorder: T0755413 Landfill Leachate Plant

QC Batch:	WCAU1525	Analysis Method:	EPA 350.1	By:	
QC Batch Method:	EPA 350.1	Prepared:			
Associated Lab Samples:	T0755280001	T0755357001	T0755398001	T0755413001	T0755520001

METHOD BLANK: 13403

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Ammonia	mg/L	0.039U	0.039

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T0755413 Landfill Leachate Plant

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
T0755413002	Effluent	SM 4500NO3-F	WCA/1424		
T0755413001	Influent	EPA 350.1	WCA/1525		

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Advanced Environmental Labs Inc

Advanced Environmental Labs
9610 Princess Palm Ave.
Tampa, FL 33619

Client: SACProject name: LandfillDate/Time Rcvd: 4/10/07 1240Log-in request number: T0755413Received by: AKCompleted by: AK**Cooler/Shipping Information:**Courier: ☒ AEL ☐ Client ☐ UPS ☐ Blue Streak ☐ FedEx ☐ Other (describe): _____Type: ☒ Cooler ☐ Box ☐ Other (describe): _____

Cooler temperature: Identify the cooler and document the temperature blank or ice water measurement.

pH (if applicable)					
Temp (°C)	<u>02</u>				
Temp taken from	☐ Temp blank ☒ Sample bottle	☐ Temp blank ☐ Sample bottle	☐ Temp blank ☐ Sample bottle	☐ Temp blank ☐ Sample bottle	☐ Temp blank ☐ Sample bottle
Temp measured with	☒ IR gun (ID: 10A) ☐ Thermometer (enter ID):	☐ IR gun (ID: 10A) ☐ Thermometer (enter ID):	☐ IR gun (ID: 10A) ☐ Thermometer (enter ID):	☐ IR gun (ID: 10A) ☐ Thermometer (enter ID):	☐ IR gun (ID: 10A) ☐ Thermometer (enter ID):

Other Information:

Any "NO" responses or discrepancies should be explained in the "Comments" section below.

CHECKLIST

	YES	NO	NA
1. Were custody seals on shipping container(s) intact?			☒
2. Were custody papers properly included with samples?	☒		
3. Were custody papers properly filled out (ink, signed, match labels)?	☒		
4. Did all bottles arrive in good condition (unbroken)?	☒		
5. Were all bottle labels complete (sample #, date, signed, analysis, preservatives)?	☒		
6. Did the sample labels agree with the chain of custody?	☒		
7. Were correct bottles used for the tests indicated?	☒		
8. Were proper sample preservation techniques indicated on the label?	☒		
9. Were samples received within holding times?	☒		
10. Were all VOA vials checked for the presence of air bubbles?	☒		
11. Were there air bubbles present in the VOA vials?	☒		
12. Were samples in direct contact with wet ice? If "No," check one: ☐ NO ICE ☒ BLUE ICE	☒		
13. Was the cooler temperature less than 6°C?	☒		
14. Were sample pHs checked and recorded by Sample control? <i>NOTE: VOA samples are checked by laboratory analysts.</i>	☒		
15. Were the sample containers provided by AEL?	☒		
16. Were samples accepted into the laboratory?	☒		

Comments:

P. 8

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FLDOH CERTIFICATION #84492
ANALYTICAL REPORT

SOLID WASTE MANAGEMENT
PO BOX 340
LECANTO FL 34460

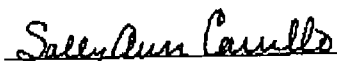
Invoice Number 8983

Client CITRUS COUNTY UTILITIES
Project LANDFILL LEACHATE PLANT
Sample Description WWTP/EFF

Sample Number E070797
Date/Time Sampled 4/25/07 0925 HRS
Date/Time Received 4/25/07 1130 HRS

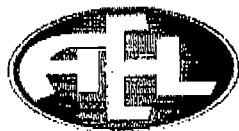
Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	5.49	1.4 mg/L	CK	4/26/07 0730 HRS
SM2540-D	TSS	mg/L	5.50	1.0 mg/L	RAC	4/27/07 1015 HRS

NITRATE
SUB TO
ADVANCED ENVIRONMENTAL LABORATORIES
DHRS CERTIFICATION #E84589/E82574


Laboratory Manager

These results relate only to this sample.

For all results qualified with an I, the PQL is defined to be 4 times the MDL



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ANALYTICAL RESULTS

Workorder: T0755769 Landfill Leachate Plant

Lab ID: T0755769001

Sample ID: Effluent

Sample

Date Received: 4/26/2007 09:40 Matrix: Water

Date Collected: 4/25/2007 09:25

Location Landfill Leachate P1

Parameters	Results Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	By	Lab
WET CHEMISTRY								
Analysis Desc:	Analytical Method: SM 4500NO3-F							
Nitrate, SM 4500NO3F, Water								
Nitrate	2.0 mg/L		1	0.20	0.047	4/26/2007 14:14	ENE	T

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ANALYTICAL RESULTS QUALIFIERS

Workorder: T0755769 Landfill Leachate Plant

PARAMETER QUALIFIERS

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

LAB QUALIFIERS

- T DOH Certification #E84589(AEL-T)(FL NELAC Certification)

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ANALYTICAL REPORT

SOLID WASTE MANAGEMENT
PO BOX 340
LECANTO FL 34460

Invoice Number 9041

Client CITRUS COUNTY UTILITIES Sample Number E070832
Project LANDFILL LEACHATE PLANT Date/Time Sampled 5/2/07 0845 HRS
Sample Description WWTP/EFF Date/Time Received 5/2/07 0935 HRS

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	1.77	1.4 mg/L	AP	5/3/07 1700 HRS
SM2540-D	TSS	mg/L	2.00	1.0 mg/L	RAC	5/2/07 0915 HRS

NITRATE
SUB TO
ADVANCED ENVIRONMENTAL LABORATORIES
DHRS CERT IFICATION #E84589/E82574


Laboratory Manager

These results relate only to this sample.

For all results qualified with an I, the PQL is defined to be 4 times the MDL



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Tampa, FL 33619
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ANALYTICAL RESULTS

Workorder: T0756051 Landfill Leachate Plant

Lab ID: T0756051001

Date Received: 5/2/2007 13:20

Matrix: Water

Sample ID: Effluent

Date Collected: 5/2/2007 08:45

Sample

Location WWTP

Parameters	Results Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	By	Lab
WET CHEMISTRY								
Analysis Desc:	Analytical Method: SM 4500NO3-F							
Nitrate, SM4500NO3F, Water								
Nitrate	3.1 mg/L		1	0.20	0.047	5/2/2007 16:11	ENE	T

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ANALYTICAL RESULTS QUALIFIERS

Workorder: T0756051 Landfill Leachate Plant

PARAMETER QUALIFIERS

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

LAB QUALIFIERS

- T DOH Certification #E84589(AEL-T)(FL NELAC Certification)

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ANALYTICAL REPORT

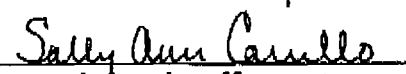
SOLID WASTE MANAGEMENT
PO BOX 340
LECANTO FL 34460

Invoice Number 9041

Client CITRUS COUNTY UTILITIES **Sample Number** E070897
Project LANDFILL LEACHATE PLANT **Date/Time Sampled** 5/9/07 0925 HRS
Sample Description WWTP/EFF **Date/Time Received** 5/9/07 0955 HRS

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	1.77	1.4 mg/L	AP	5/10/07 1100 HRS
SM2540-D	TSS	mg/L	3.50	1.0 mg/L	RAC	5/11/07 1015 HRS

NITRATE
SUB TO
ADVANCED ENVIRONMENTAL LABORATORIES
DHRS CERT IFICATION #E84589/E82574


Laboratory Manager

These results relate only to this sample.

For all results qualified with an I, the PQL is defined to be 4 times the MDL



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9610 Princess Palm Avenue
Tampa, FL 33619
Phone: (813)630-9618
Fax: (813)630-4327

ANALYTICAL RESULTS

Workorder: T0756366 Landfill Leachate Plant

Lab ID: T0756366001

Date Received: 5/9/2007 13:00

Matrix: Water

Sample ID: Effluent

Date Collected: 5/9/2007 09:25

Sample

Location WWTP

Parameters	Results Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	By	Lab
WET CHEMISTRY								
Analysis Desc: Nitrate, SM4500NO3F, Water								
Analytical Method: SM 4500NO3-F								
Nitrate	1.7 mg/L		1	0.20	0.047	5/10/2007 08:01	ENE	T

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Fax: (813)630-4327

ANALYTICAL RESULTS QUALIFIERS

Workorder: T0756366 Landfill Leachate Plant

PARAMETER QUALIFIERS

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

LAB QUALIFIERS

- T DOH Certification #E84589(AEL-T)(FL NELAC Certification)

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ANALYTICAL REPORT

SOLID WASTE MANAGEMENT
 PO BOX 340
 LECANTO FL 34460

Invoice Number 9041

Client	CITRUS COUNTY UTILITIES			Sample Number	E070945	
Project	LANDFILL LEACHATE PLANT			Date/Time Sampled	5/15/07	0840 HRS
Sample Description	WWTP/INF			Date/Time Received	5/15/07	1240 HRS
Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	103.00	1.4 mg/L	CK	5/17/07 0900 HRS
SM2540-D	TSS	mg/L	62.00	1.0 mg/L	RAC	5/16/07 0940 HRS
Sample Description				Date/Time Sampled	5/15/07	0845 HRS
WWTP/EFF				Date/Time Received	5/15/07	1240 HRS
Method	Analytes	Units	Results	% Removal MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	3.39	96.70% 1.4 mg/L	CK	5/17/07 0900 HRS
SM2540-D	TSS	mg/L	5.00	91.93% 1.0 mg/L	RAC	5/16/07 0940 HRS

AMMONIA AND NITRATE
 SUB TO
 ADVANCED ENVIRONMENTAL LABORATORIES
 DHRS CERTIFICATION #E84589/E82574

Sally Ann Cavillo
Laboratory Manager

These results relate only to this sample.
 For all Results qualified with an I, the PQL is defined to be 4 times the MDL



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Phone: (813)630-9616
Fax: (813)630-4327

ANALYTICAL RESULTS

Workorder: T0756683 Landfill (Leachate Plant)

Lab ID: T0756683001
Sample ID: Influent
Sample

Date Received: 5/16/2007 12:30 Matrix: Water
Date Collected: 5/15/2007 08:40
Location

Parameters	Results Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	By	Lab
WET CHEMISTRY								
Analysis Desc: Ammonia, E350.1, Water	Analytical Method: EPA 350.1							
Ammonia	220 mg/L		200	16	7.8	5/21/2007 10:23	ENE	T

Lab ID: T0756683002
Sample ID: Effluent
Sample

Date Received: 5/16/2007 12:30 Matrix: Water
Date Collected: 5/15/2007 08:45
Location

Parameters	Results Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	By	Lab
WET CHEMISTRY								
Analysis Desc: Nitrate, SM4500NO3F, Water	Analytical Method: SM 4500NO3-F							
Nitrate	2.2 mg/L		1	0.20	0.047	5/17/2007 08:28	ENE	T

Report ID: 5275 - 126741

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ANALYTICAL RESULTS QUALIFIERS

Workorder: T0756683 Landfill (Leachate Plant)

PARAMETER QUALIFIERS

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

LAB QUALIFIERS

- T DOH Certification #E84589(AEL-T)(FL NELAC Certification)

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ANALYTICAL REPORT

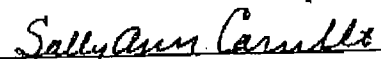
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Invoice Number 9041

Client CITRUS COUNTY UTILITIES Sample Number E070999
Project LANDFILL LEACHATE PLANT Date/Time Sampled 5/23/07 0830 HRS
Sample Description WWTP/EFF Date/Time Received 5/23/07 1130 HRS

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	3.11	1.4 mg/L	CK	5/24/07 0745 HRS
SM2540-D	TSS	mg/L	5.00	1.0 mg/L	RAC	5/25/07 1020 HRS

NITRATE
SUB TO
ADVANCED ENVIRONMENTAL LABORATORIES
DHRS CERT IFICATION #E84589/E82574


Laboratory Manager

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For all results qualified with an I, the PQL is defined to be 4 times the MDL

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ANALYTICAL RESULTS

Workorder: T0757050 Landfill Leachate

Lab ID: T0757050001
Sample ID: Effluent
Sample

Date Received: 5/24/2007 11:05 Matrix: Water
Date Collected: 5/23/2007 08:30
Location WWTP

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	By	Lab
WET CHEMISTRY	Analytical Method: SM 4500NO3-F								
Analysis Desc: Nitrate, SM4500NO3F, Water	2.3	mg/L		1	0.20	0.047	5/24/2007 12:51	ENE	T
Nitrate									

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ANALYTICAL RESULTS QUALIFIERS

Workorder: T0757050 Landfill Leachate

PARAMETER QUALIFIERS

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

LAB QUALIFIERS

- T DOM Certification #E84588(AEL-T)(FL NELAC Certification)

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ANALYTICAL REPORT

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Invoice Number 9041

Client CITRUS COUNTY UTILITIES Sample Number E071032
Project LANDFILL LEACHATE PLANT Date/Time Sampled 5/30/07 0845 HRS
Sample Description WWTP/EFF Date/Time Received 5/30/07 1043 HRS

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	4.74	1.4 mg/L	CK	5/31/07 1030 HRS
SM2540-D	TSS	mg/L	<1	1.0 mg/L	RAC	6/1/07 1000 HRS

NITRATE
SUB TO
ADVANCED ENVIRONMENTAL LABORATORIES
DHRS CERT IFICATION #E84589/E82574

Sally Ann Carullo
Laboratory Manager

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ANALYTICAL RESULTS

Workorder: T0757291 Landfill Leachate

Lab ID: T0757291001

Date Received: 5/31/2007 11:00

Matrix: Water

Sample ID: Effluent

Date Collected: 5/30/2007 08:45

Sample

Location WWTP

Parameters	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	By	Lab
WET CHEMISTRY									
Analysis Desc:		Analytical Method: SM 4500NO3-F							
Nitrate, SM4500NO3F, Water									
Nitrate	2.2	mg/L		5	1.0	0.24	5/31/2007 13:38	ENE	T

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ANALYTICAL RESULTS QUALIFIERS

Workorder: T0757291 Landfill Leachate

PARAMETER QUALIFIERS

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

LAB QUALIFIERS

- T DOH Certification #E84589(AEL-T)(FL NELAC Certification)

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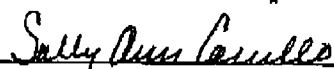
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ANALYTICAL REPORT

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Invoice Number 9093

Client CITRUS COUNTY UTILITIES Sample Number E071088
Project LANDFILL LEACHATE PLANT Date/Time Sampled 6/6/07 0900 HRS
Sample Description WWTP/EFF Date/Time Received 6/6/07 1136 HRS

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	3.16	1.4 mg/L	CK	6/7/07 0915 HRS
SM2540-D	TSS	mg/L	3.00	1.0 mg/L	RAC	6/8/07 1015 HRS
SM4500-NO3-E	NITRATE	mg/L	0.85	0.10 mg/L	CK	6/7/07 0930 HRS


Laboratory Manager

These results relate only to this sample.

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FLDOH CERTIFICATION #84492
ANALYTICAL REPORT

SOLID WASTE MANAGEMENT
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Invoice Number 9093

Client		CITRUS COUNTY UTILITIES		Sample Number		E071127	
Project		LANDFILL LEACHATE PLANT		Date/Time Sampled		6/12/07	0908 HRS
Sample Description		WWTP/INF		Date/Time Received		6/12/07	1050 HRS
Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time	
SM5210-B	CBOD	mg/L	172.84	1.4 mg/L	CK	6/14/07 0830 HRS	
SM2540-D	TSS	mg/L	64.00	1.0 mg/L	RAC	6/13/07 0950 HRS	
Sample Description		WWTP/EFF		Date/Time Sampled		6/12/07	0905 HRS
				Date/Time Received		6/12/07	1050 HRS
Method	Analytes	Units	Results	% Removal MDL mg/L	Analyst	Analysis Date/Time	
SM5210-B	CBOD	mg/L	2.63	98.48% 1.4 mg/L	CK	6/14/07 0830 HRS	
SM2540-D	TSS	mg/L	4.50	92.98% 1.0 mg/L	RAC	6/13/07 0950 HRS	
SM4500-NO3-E	NITRATE	mg/L	2.33	0.10 mg/L	CK	6/13/07 1030 HRS	

AMMONIA
 SUB TO
 ADVANCED ENVIRONMENTAL LABORATORIES
 DHRS CERTIFICATION #E84589/E82574

Sally Ann Casullo
 Laboratory Manager

These results relate only to this sample.
 For all Results qualified with an I, the PQL is defined to be 4 times the MDL

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ADVANCED ENVIRONMENTAL LABS 813 630 4327

06/28/2007 08:48 #052 P.004/009

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Fax: (813) 630-4327

ANALYTICAL RESULTS

Workorder: T0757B15 Landfill Leachate Plant

Lab ID: T0757B15001
Sample ID: Influent
Sample

Date Received: 6/13/2007 12:40 Matrix: Water
Date Collected: 6/12/2007 09:08
Location

Parameter	Results	Units	Qual	DF	Adjusted PQL	Adjusted MDL	Analyzed	By	Lab
WET CHEMISTRY									
Ammonia	270	mg/L	96		7.6	1.0	6/18/2007 15:38	ENE	T

Report ID: 7771 - 161466

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LECANTO FL 34460

Invoice Number 9093

Client CITRUS COUNTY UTILITIES
Project LANDFILL LEACHATE PLANT
Sample Description WWTP/EFF

Sample Number E071195
Date/Time Sampled 6/20/07 0900 HRS
Date/Time Received 6/20/07 1040 HRS

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	5.13	1.4 mg/L	CK	6/21/07 1030 HRS
SM2540-D	TSS	mg/L	7.50	1.0 mg/L	RAC	6/22/07 0900 HRS
SM4500-NO3-E	NITRATE	mg/L	3.20	0.10 mg/L	CK	6/21/07 1100 HRS

Sally Ann Canillo
Laboratory Manager

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For all results qualified with an I, the PQL is defined to be 4 times the MDL

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ANALYTICAL REPORT

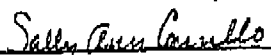
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Invoice Number 9093

Client CITRUS COUNTY UTILITIES
Project LANDFILL LEACHATE PLANT
Sample Description WWTP/EFF

Sample Number E071228
Date/Time Sampled 6/27/07 0925 HRS
Date/Time Received 6/27/07 1110 HRS

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	2.47	1.4 mg/L	CK	6/28/07 0950 HRS
SM2640-D	TSS	mg/L	4.50	1.0 mg/L	RAC	6/28/07 0930 HRS
SM4500-NO3-E	NITRATE	mg/L	4.90	0.10 mg/L	CK	6/28/07 0930 HRS


Laboratory Manager

These results relate only to this sample.
For all results qualified with an I, the PQL is defined to be 4 times the MDL

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