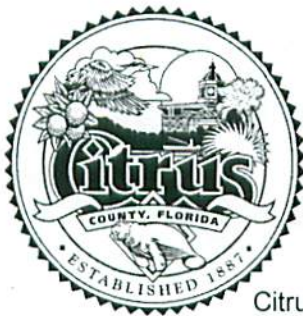




Board of County Commissioners

DEPARTMENT OF PUBLIC WORKS

SOLID WASTE MANAGEMENT DIVISION

P.O. Box 340, Lecanto, Florida 34460

Telephone: (352) 527-7670 FAX: (352) 527-7672

email: landfillinfo@bocc.citrus.fl.us

TDD Telephone 527-5303

Citrus Springs/Dunnellon/Inglis/Yankeetown area Toll Free (352) 489-2120

Dept. of Environmental
Protection

JAN 16 2007

Southwest District

January 9, 2007

Mr. John Morris
Florida Department of Environmental Protection
13051 N Telecom Pkwy
Temple Terrace, FL 33637-0926

**RE: WEEKLY LEACHATE MONITORING REPORT FOR CITRUS COUNTY CENTRAL
LANDFILL 60 AND 80 ACRE SITES - PERMIT NO. 21375-008-SO/01**

Dear Mr. Morris:

Enclosed please find the quarterly leachate quality monitoring results, together with the Operator's reports for the months of October, November and December 2006:

- 1) **Weekly effluent analytical results:** There were no exceedances of permit limits for this time period.
- 2) **Quarterly Effluent results:** Forwarded by Jones, Edmunds and Associates under separate cover letter.

Should further information or clarification be necessary, please do not hesitate to contact me.

Sincerely,

Susan J. Metcalfe
Director, Division of
Solid Waste Management

CC: Glenn W. McCracken, Director, Department of Public Works (w/xls sheet)
Michael K. Arnold, Assistant Director, Department of Public Works (w/xls sheet)
Susan Pelz, Florida Department of Environmental Protection (w/xls sheet)

CITRUS COUNTY CENTRAL LANDFILL
WEEKLY LEACHATE MONITORING

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
JAN 16 2007
SOUTHWEST DISTRICT
TAMPA

SAC Laboratories		MAXIMUM CONTAMINANT LEVEL BY PERMIT			
Results	20	10	20		
DATE	CBOD < 5 day	MG/L < NITRATE	MG/L <	SUSPENDED SOLIDS	MG/L
10/4/06	1.44	0.36	<	1.0	
10/11/06	1.33	1.3	<	1.0	
10/18/06	2.05	3.2	<	1.0	
10/25/06	5.5	0.54		4.0	
11/1/06	1.66	0.15		2.0	
11/8/06	4.5	0.36		11.0	
11/14/06	1.33	4.5		1.0	
11/21/06	1.72	9.6	<	1.0	
11/29/06	5.9	2.7		4.5	
12/6/06	1.61	3.1		9.5	
12/12/06	4.07	5.4		3.5	
12/20/06	1.33	4.2		3.5	
12/27/06	1.66	3.6		2.0	

cjw

CITRUS COUNTY CENTRAL LANDFILL

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A
 WHEN COMPLETED MAIL THIS REPORT TO: DEPARTMENT OF ENVIRONMENTAL PROTECTION SOUTHWEST DISTRICT
 Solid Waste Section, 3805 Coconut Palm Drive Tampa, FL 33619-8218

PERMITTEE NAME: Citrus County Board Of County Commissioners
 MAILING ADDRESS: P.O. Box 340
 Lecanto, FL 34460

PERMIT NUMBER: 21375-008-SO/01
 WACS FACILITY ID NUMBER: SWD/09/039859
 TEST SITE ID NUMBER: WACS 175
 MONITORING PERIOD:

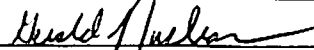
FACILITY: Central Landfill Leachate Plant
 LOCATION: 230 W. Gulf to Lake Hwy
 Lecanto, FL 34461
 COUNTY: Citrus

From: 10/1 To: 10/31/2006
 CLASS SIZE: 1-C
 REPORT: Quarterly
 GROUP: Solid Waste

Please read instructions before completing this form.

Parameter		Quantity or Loading			Quality or Concentration				No. Ex	Frequency of Analysis	Sample Type
		Avg.	Max.	Units	Min.	Avg.	Max.	Units			
Flow, in conduit or thru treatment plant	Sample Measurement	0.011		MGD							
PARM Code 50053	Permit Requirement	Report Max. AVG.	.030 (3) Month Rolling Average	MGD						Daily	Metered
C (D). 5 day 20 degree C	Sample Measurement					2.6		mg/L			
PARM Code 80082	Permit Requirement					20 (Mo. Avg.)		mg/L		Weekly	Grab
Total Suspended Solids	Sample Measurement					1.8		mg/L			
PARM Code 900201	Permit Requirement					20 (Mo. Avg.)		mg/L		Weekly	Grab
Nitrate (as N)	Sample Measurement						3.2	mg/L			
PARM Code 071850	Permit Requirement					10.0 (Mo. Avg.)		mg/L		Weekly	Grab
pH	Sample Measurement				7.7		8.4	S.U.			
PARM Code 00500	Permit Requirement				6.5 Min.		8.5 Max.	S.U.		Daily	Grab

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

Name/Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Telephone No. (include area code)	Date (mm/dd/yy)
Gerald Nushaum Utility Operator II B/14117		(352)527-7670	12/12/06

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

* Rolling Annual Average is the average of the current month's average and the preceding 11 monthly averages.

A-1

DAILY SAMPLE RESULTS - PART B

PERMIT NUMBER: 21375-008-SO/01

Month/Year: 10/06

Three-month Average Daily Flow:

0.018

Daily Flow % of Permitted Capacity:

36.7%

PLANT STAFFING:	Day Shift Operator	Class: B	Certificate No.:	14117	Name: Gerald Nusbaum
	Evening Shift Operator	Class:	Certificate No.:		Name:
	Night Shift Operator	Class:	Certificate No.:		Name:
	Lead Operator	Class: B	Certificate No.:	13057	Name: Gary Longins

Type of Effluent Disposal or Reclaimed Water Reuse:

Limited Wet Weather Discharge Activated :

No.

Perc. Pond

Yes;

Not applicable: **X**

* Attach additional sheets if necessary to list all certified operators.

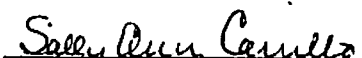
S.A. ENVIRONMENTAL LABORATORY, INC.
DOH CERTIFICATION #84492
ANALYTICAL REPORT

SOLID WASTE MANAGEMENT
PO BOX 340
LECANTO FL 34460

Invoice Number 8653

Client CITRUS COUNTY UTILITIES **Sample Number** E061866
Project LANDFILL LEACHATE PLANT **Date/Time Sampled** 10/4/06 0925 HRS
Sample Description WWTP/EFF **Date/Time Received** 10/4/06 1200 HRS

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	1.44	0.3 mg/L	AP	10/5/06 1700 HRS
SM2540-D	TSS	mg/L	<1	1.0 mg/L	RAC	10/6/06 0930 HRS
SM4500-NO3-E	NITRATE	mg/L	0.36	0.10 mg/L	CK	10/5/06 0900 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

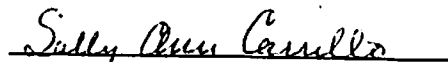
S.A. ENVIRONMENTAL LABORATORY INC
DOH CERTIFICATION #84492
ANALYTICAL REPORT

SOLID WASTE MANAGEMENT
PO BOX 340
LECANTO FL 34460

Invoice Number 8653

Client CITRUS COUNTY UTILITIES **Sample Number** E061924
Project LANDFILL LEACHATE PLANT **Date/Time Sampled** 10/11/06 0900 HRS
Sample Description WWTP/EFF **Date/Time Received** 10/11/06 1140 HRS

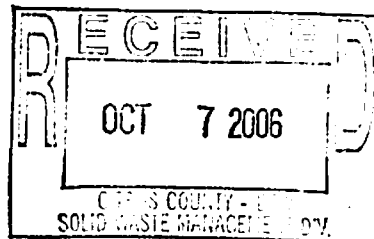
Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	1.33	0.3 mg/L	AP	10/12/06 1700 HRS
SM2540-D	TSS	mg/L	<1	1.0 mg/L	RAC	10/13/06 1000 HRS
SM4500-NO3-E	NITRATE	mg/L	1.3	0.10 mg/L	CK	10/12/06 0900 HRS


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

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



SOLID WASTE MANAGEMENT
PO BOX 340
LECANTO FL 34460

Invoice Number 8653

Client CITRUS COUNTY UTILITIES **Sample Number** E061979
Project LANDFILL LEACHATE PLANT **Date/Time Sampled** 10/18/06 1215 HRS
Sample Description WWTP/EFF **Date/Time Received** 10/18/06 1240 HRS

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	2.05	0.3 mg/L	AP	10/19/06 1700 HRS
SM2540-D	TSS	mg/L	<1	1.0 mg/L	RAC	10/20/06 0815 HRS
SM4500-NO3-E	NITRATE	mg/L	3.2	0.10 mg/L	CK	10/19/06 0945 HRS

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

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

SOLID WASTE MANAGEMENT
 PO BOX 340
 LECANTO FL 34460

Invoice Number 8653

Client	CITRUS COUNTY UTILITIES	Sample Number	E062033
Project	LANDFILL LEACHATE PLANT	Date/Time Sampled	10/25/06 1050 HRS
Sample Description	WWTP/INF	Date/Time Received	10/25/06 1302 HRS

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	172.0	0.3 mg/L	AP	10/26/06 1000 HRS
SM2540-D	TSS	mg/L	18.0	1.0 mg/L	RAC	10/27/06 0930 HRS

		Date/Time Sampled	10/25/06 1100 HRS
Sample Description	WWTP/EFF	Date/Time Received	10/25/06 1302 HRS

Method	Analytes	Units	Results	% Removal MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	5.5	96.80% 0.3 mg/L	AP	10/26/06 1000 HRS
SM2540-D	TSS	mg/L	4.0	77.77% 1.0 mg/L	RAC	10/27/06 0930 HRS
SM4500-NO3-E	NITRATE	mg/L	0.54	0.10 mg/L	CK	10/26/06 0915 HRS

AMMONIA
 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 PQL is defined to be 4 times the MDL

CITRUS COUNTY CENTRAL LANDFILL

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

WHEN COMPLETED MAIL THIS REPORT TO:

DEPARTMENT OF ENVIRONMENTAL PROTECTION SOUTHWEST DISTRICT

Solid Waste Section, 3805 Coconut Palm Drive Tampa, FL 33619-8218

PERMITTEE NAME: Citrus County Board Of County Commissioners

MAILING ADDRESS: P.O. Box 340
Lecanto, FL 34460

FACILITY: Central Landfill Leachate Plant

LOCATION: 230 W. Gulf to Lake Hwy

Lecanto, FL 34461

COUNTY: Citrus

PERMIT NUMBER: 21375-008-SO/01

WACS FACILITY ID NUMBER: SWD/09/039859

TEST SITE ID NUMBER: WACS 175

MONITORING PERIOD:

From: 11/1

To: 11/30/2006

CLASS SIZE: 1-C

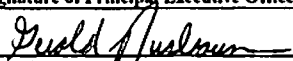
REPORT: Quarterly

GROUP: Solid Waste

Please read instructions before completing this form.

Parameter		Quantity or Loading			Quality or Concentration				No. Ex	Frequency of Analysis	Sample Type
		Avg.	Max.	Units	Min.	Avg.	Max.	Units			
Flow, in conduit or thru treatment plant	Sample Measurement	0.007		MGD							
PARM Code 50053	Permit Requirement	Report Max AVG.	.030 (3) Month Rolling Average	MGD						Daily	Metered
C (11). 5 day 20 degree C	Sample Measurement					3.4		mg/L			
PARM Code 80082	Permit Requirement					20 (Mo. Avg.)		mg/L		Weekly	Grab
Total Suspended Solids	Sample Measurement					4.4		mg/L			
PARM Code 900201	Permit Requirement					20 (Mo. Avg.)		mg/L		Weekly	Grab
Nitrate (as N)	Sample Measurement						9.6	mg/L			
PARM Code 071850	Permit Requirement					10.8 (Mo. Avg.)		mg/L		Weekly	Grab
pH	Sample Measurement				7.7		8.4	S.U.			
PARM Code 00500	Permit Requirement				6.5 Min.		8.5 Max.	S.U.		Daily	Grab

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

Name/Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Telephone No. (include area code)	Date (yy/mm/dd)
Gerald Nusbaum Utility Operator II B/14117		(352)527-7670	12/12/06

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

* Rolling Annual Average is the average of the current month's average and the preceding 11 monthly averages.

A-1

DAILY SAMPLE RESULTS - PART B

Month/Year: 11/06

Daily Flow % of Permitted Capacity:	22.5%
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* Attach additional sheets if necessary to list all certified operators.

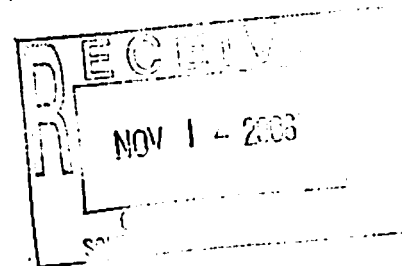
S.A. ENVIRONMENTAL LABORATORY INC
FLDOH CERTIFICATION #84492
ANALYTICAL REPORT

SOLID WASTE MANAGEMENT
PO BOX 340
LECANTO FL 34460

Invoice Number 8702

Client CITRUS COUNTY UTILITIES Sample Number E062061
Project LANDFILL LEACHATE PLANT Date/Time Sampled 11/1/06 0820 HRS
Sample Description WWTP/EFF Date/Time Received 11/1/06 1125 HRS

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	1.66	0.3 mg/L	AP	11/2/06 1500 HRS
SM2540-D	TSS	mg/L	2.0	1.0 mg/L	RAC	11/3/06 1000 HRS
SM4500-NO3-E	NITRATE	mg/L	0.15	0.10 mg/L	CK	11/2/06 0930 HRS



Sally Ann Casella
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

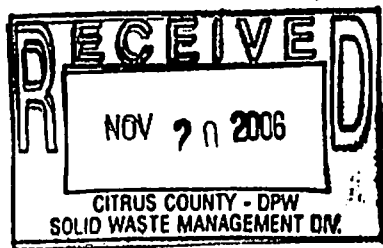
S.A. ENVIRONMENTAL LABORATORY INC
FLDOH CERTIFICATION #84492
ANALYTICAL REPORT

SOLID WASTE MANAGEMENT
PO BOX 340
LECANTO FL 34460

Invoice Number 8702

Client CITRUS COUNTY UTILITIES Sample Number E0622131
Project LANDFILL LEACHATE PLANT Date/Time Sampled 11/8/06 0920 HRS
Sample Description WWTP/EFF Date/Time Received 11/8/06 1035 HRS

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	4.50	0.3 mg/L	AP	11/9/06 1700 HRS
SM2540-D	TSS	mg/L	11.0	1.0 mg/L	RAC	11/10/06 1100 HRS
SM4500-NO3-E	NITRATE	mg/L	0.36	0.10 mg/L	CK	11/9/06 0815 HRS



Sally Ann Cassillo
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

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

SOLID WASTE MANAGEMENT
 PO BOX 340
 LECANTO FL 34460

Invoice Number 8702

Client	CITRUS COUNTY UTILITIES	Sample Number	E062171
Project	LANDFILL LEACHATE PLANT	Date/Time Sampled	11/14/06 0835 HRS
Sample Description	WWTP/INF	Date/Time Received	11/14/06 1045 HRS

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	107.50	0.3 mg/L	AP	11/6/06 1700 HRS
SM2540-D	TSS	mg/L	138.0	1.0 mg/L	RAC	11/15/06 1200 HRS

Sample Description	WWTP/EFF	Date/Time Sampled	11/14/06 0830 HRS
		Date/Time Received	11/14/06 1045 HRS

Method	Analytes	Units	Results	% Removal MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	1.33	98.76% 0.3 mg/L	AP	11/6/06 1700 HRS
SM2540-D	TSS	mg/L	1.0	99.27% 1.0 mg/L	RAC	11/15/06 1200 HRS
SM4500-NO3-E	NITRATE	mg/L	4.5	0.10 mg/L	CK	11/15/06 0915 HRS

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

Sally Ann Cassillo
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

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

SOLID WASTE MANAGEMENT
PO BOX 340
LECANTO FL 34460

Invoice Number 8702

Client CITRUS COUNTY UTILITIES **Sample Number** E062224
Project LANDFILL LEACHATE PLANT **Date/Time Sampled** 11/21/06 0825 HRS
Sample Description WWTP/EFF **Date/Time Received** 11/21/06 1120 HRS

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	1.72	0.3 mg/L	AP	11/22/06 0815 HRS
SM2540-D	TSS	mg/L	<1	1.0 mg/L	RAC	11/22/06 1000 HRS
SM4500-NO3-E	NITRATE	mg/L	9.6	0.10 mg/L	CK	11/22/06 0915 HRS

Sally Ann Camilleri
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

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

SOLID WASTE MANAGEMENT
PO BOX 340
LECANTO FL 34460

Invoice Number 8702

Client CITRUS COUNTY UTILITIES Sample Number E062253
Project LANDFILL LEACHATE PLANT Date/Time Sampled 11/29/06 0840 HRS
Sample Description WWTP/EFF Date/Time Received 11/29/06 1135 HRS

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	5.9	0.3 mg/L	AP	11/30/06 1100 HRS
SM2540-D	TSS	mg/L	4.5	1.0 mg/L	RAC	12/1/06 0900 HRS
SM4500-NO3-E	NITRATE	mg/L	2.7	0.10 mg/L	CK	11/30/06 0915 HRS

Sally Ann Cassella
Laboratory Manager

These results relate only to this sample.

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

5376 S SUNCOAST BOULEVARD HOMOSASSA FL 34446 352.621.3513 FAX 352.621.3514

CITRUS COUNTY CENTRAL LANDFILL

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

WHEN COMPLETED MAIL THIS REPORT TO:

DEPARTMENT OF ENVIRONMENTAL PROTECTION SOUTHWEST DISTRICT

Solid Waste Section, 3805 Coconut Palm Drive Tampa, FL 33619-8218

PERMITTEE NAME: Citrus County Board Of County Commissioners
 MAILING ADDRESS: P.O. Box 340
 Lecanto, FL 34460

PERMIT NUMBER: 21375-008-SO/01
 WACS FACILITY ID NUMBER: SWD/09/039859
 TEST SITE ID NUMBER: WACS 175
 MONITORING PERIOD:

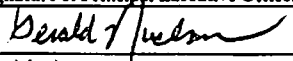
FACILITY: Central Landfill Leachate Plant
 LOCATION: 230 W. Gulf to Lake Hwy
 Lecanto, FL 34461
 COUNTY: Citrus

From: 12/1 To: 12/31/2006
 CLASS SIZE: 1-C
 REPORT: Quarterly
 GROUP: Solid Waste

Please read instructions before completing this form.

Parameter		Quantity or Loading			Quality or Concentration				No. Ex	Frequency of Analysis	Sample Type
		Avg.	Max.	Units	Min.	Avg.	Max.	Units			
Flow, in conduit or thru treatment plant	Sample Measurement	0.007		MGD							
PARM Code 50053	Permit Requirement	Report Mon. AVG.	.030 (3) Month Rolling Average	MGD						Daily	Metered
COD, 5 day 20 degree C	Sample Measurement					2.2		mg/L			
PARM Code 80082	Permit Requirement					20 (Mo. Avg.)		mg/L		Weekly	Grab
Total Suspended Solids	Sample Measurement					4.6		mg/L			
PARM Code 900201	Permit Requirement					20 (Mo. Avg.)		mg/L		Weekly	Grab
Nitrate (as N)	Sample Measurement						5.4	mg/L			
PARM Code 071850	Permit Requirement					10.0 (Mo. Avg.)		mg/L		Weekly	Grab
pH	Sample Measurement				7.7		8.4	S.U.			
PARM Code 00500	Permit Requirement				6.5 Min.		8.5 Max.	S.U.		Daily	Grab

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

Name/Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Telephone No. (include area code)	Date (yy/mm/dd)
Gerald Nusbaum Utility Operator II B/14117		(352)527-7670	01/08/07

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

* Rolling Annual Average is the average of the current month's average and the preceding 11 monthly averages.

A-1

DAILY SAMPLE RESULTS - PART B

Month/Year: 12/06

0.008

26.7%

* Attach additional sheets if necessary to list all certified operators.

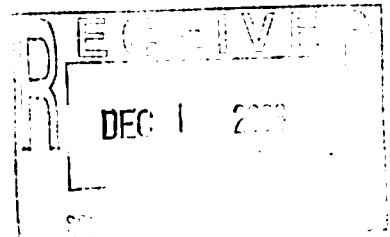
S.A.C. ENVIRONMENTAL LABORATORY INC
FLDOH CERTIFICATION #84492
ANALYTICAL REPORT

SOLID WASTE MANAGEMENT
PO BOX 340
LECANTO FL 34460

Invoice Number 8761

Client CITRUS COUNTY UTILITIES **Sample Number** E062294
Project LANDFILL LEACHATE PLANT **Date/Time Sampled** 12/6/06 0911 HRS
Sample Description WWTP/EFF **Date/Time Received** 12/6/06 1205 HRS

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	1.61	0.3 mg/L	AP	12/7/06 1700 HRS
SM2540-D	TSS	mg/L	9.5	1.0 mg/L	RAC	12/8/06 0900 HRS
SM4500-NO3-E	NITRATE	mg/L	3.1	0.10 mg/L	CK	12/7/06 1030 HRS



Sally Ann Canella
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

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

SOLID WASTE MANAGEMENT
 PO BOX 340
 LECANTO FL 34460

Invoice Number 8761

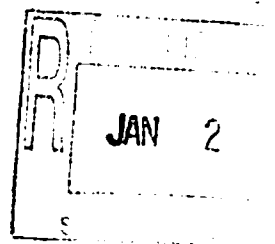
Client	CITRUS COUNTY UTILITIES	Sample Number	E062347
Project	LANDFILL LEACHATE PLANT	Date/Time Sampled	12/12/06 0840 HRS
Sample Description	WWTP/INF	Date/Time Received	12/12/06 0955 HRS

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	200.0	0.3 mg/L	CK	12/13/06 0600 HRS
SM2540-D	TSS	mg/L	74.0	1.0 mg/L	RAC	12/15/06 0900 HRS

Sample Description	WWTP/EFF	Date/Time Sampled	12/12/06 0830 HRS
		Date/Time Received	12/12/06 0955 HRS

Method	Analytes	Units	Results	% Removal MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	4.07	98.00% 0.3 mg/L	CK	12/13/06 0600 HRS
SM2540-D	TSS	mg/L	3.5	95.27% 1.0 mg/L	RAC	12/15/06 0900 HRS
SM4500-NO3-E	NITRATE	mg/L	5.4	0.10 mg/L	CK	12/13/06 0945 HRS

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



Sally Ann Ginnello
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

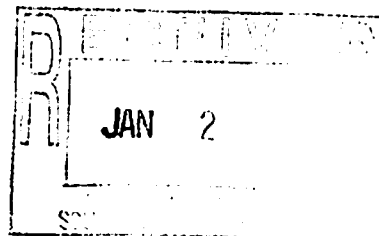
S.A.C. ENVIRONMENTAL LABORATORY INC
FLDOH CERTIFICATION #84492
ANALYTICAL REPORT

SOLID WASTE MANAGEMENT
PO BOX 340
LECANTO FL 34460

Invoice Number 8761

Client CITRUS COUNTY UTILITIES **Sample Number** E062409
Project LANDFILL LEACHATE PLANT **Date/Time Sampled** 12/20/06 0840 HRS
Sample Description WWTP/EFF **Date/Time Received** 12/20/06 1105 HRS

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	1.33	0.3 mg/L	AP	12/21/06 0900 HRS
SM2540-D	TSS	mg/L	3.5	1.0 mg/L	RAC	12/22/06 0900 HRS
SM4500-NO3-E	NITRATE	mg/L	4.2	0.10 mg/L	CK	12/21/06 0930 HRS



Sally Ann Canillo
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

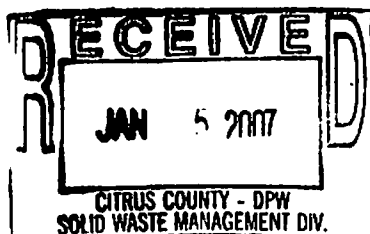
S.A.C ENVIRONMENTAL LABORATORY INC
FLDOH CERTIFICATION #84492
ANALYTICAL REPORT

SOLID WASTE MANAGEMENT
PO BOX 340
LECANTO FL 34460

Invoice Number 8761

Client CITRUS COUNTY UTILITIES Sample Number E062444
Project LANDFILL LEACHATE PLANT Date/Time Sampled 12/27/06 0915 HRS
Sample Description WWTP/EFF Date/Time Received 12/27/06 1115 HRS

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	1.66	0.3 mg/L	AP	12/28/06 1600 HRS
SM2540-D	TSS	mg/L	2.0	1.0 mg/L	RAC	12/29/06 0800 HRS
SM4500-NO3-E	NITRATE	mg/L	3.6	0.10 mg/L	CK	12/28/06 1045 HRS



Sally Ann Carrillo
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



January 11, 2007

Mr. John Morris, P.G.
Florida Department of Environmental Protection - Southwest District
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Dept. of Environmental
Protection

JAN 16 2007

RE: Quarterly Leachate Sampling – Fourth Quarter 2006
Citrus County Landfill
Permit No. 21375-008-SO/01
Jones Edmunds Project No. 03860-022-01

Southwest District

Dear Mr. Morris:

This report presents data from the Fourth Quarter sampling of the Leachate Effluent at the Citrus County Landfill, performed on October 4, 2006.

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

Monthly Operating Reports (October, November, and December) and Weekly Leachate Effluent Analytical Reports will be forwarded under separate cover.

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

Sincerely,

A handwritten signature in black ink, appearing to read 'John D. Locklear'.

John D. Locklear, P.G.
Project Manager

M:\EnvDocs\Citrus County\2006\06q4 leachate\06q4leachate letter.doc

xc: Susan Metcalfe, P.G.

Attachments

730 NE Waldo Rd
Gainesville, FL 32641

352.377.5821 Phone
352-377.3166 Fax
www.jonesedmunds.com

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

GROUNDWATER MONITORING REPORT

Rule 62-522.600 (11)

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 GMS Identification Number SWD/09/39859
- (3) DEP 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

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
JAN 16 2007
SOUTHWEST DISTRICT
TAMPA

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: 1/10/07

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

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: 10/04/06 8:50:00 AM

Report Period: FOURTH QUARTER 2006

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
000094	CONDUCTIVITY (FIELD)	E	No	EPA 120.1	10/04/06 8:50:00 AM	2940	µmhos/cm	
000406	pH (FIELD)	E	No	EPA 150.1	10/04/06 8:50:00 AM	8.01	pH Units	
070300	TOTAL DISSOLVED SOLIDS	E	No	EPA 160.1	10/06/06 2:00:00 PM	1700	mg/L	10mg/L
000010	TEMPERATURE (FIELD)	E	No	EPA 170.1	10/04/06 8:50:00 AM	25.91	°C	
082078	TURBIDITY (FIELD)	E	No	EPA 180.1	10/04/06 8:50:00 AM	0.75	NTU	
000940	CHLORIDE	E	No	EPA 300.0	10/19/06 2:35:00 PM	555	mg/L	0.25mg/L
000610	AMMONIA NITROGEN	E	No	EPA 350.1	10/10/06 1:16:00 PM	0.04	mg/L	0.003mg/L
000929	SODIUM	E	No	EPA 6020	10/07/06 3:57:00 AM	343	mg/L	1.92mg/L
046369	DIBROMOMETHANE	E	No	EPA 8011	10/11/06 6:01:00 PM	<0.0040	µg/L	0.0040µg/L
034030	BENZENE	E	No	EPA 8260B	10/07/06 12:05:00 AM	<0.48	µg/L	0.48µg/L
034371	ETHYLBENZENE	E	No	EPA 8260B	10/07/06 12:05:00 AM	<0.99	µg/L	0.99µg/L
034010	TOLUENE	E	No	EPA 8260B	10/07/06 12:05:00 AM	<0.25	µg/L	0.25µg/L
039175	VINYL CHLORIDE	E	No	EPA 8260B	10/07/06 12:05:00 AM	<0.52	µg/L	0.52µg/L
046480	REDOX POTENTIAL (FIELD)	E	No	SM2530B	10/04/06 8:50:00 AM	195.0	mV	

Citrus County Central Landfill Parameter Monitoring Report

PART III Analytical Results

Facility GMS #: SWD/09/39859

Test Site ID #:

Well Name: EQUBLK (06Q4CC-LEQB1)

Classification of Ground Water:

Ground Water Elevation (NGVD):

Sampling Date/Time: 10/04/06 9:05:00 AM

Report Period: FOURTH QUARTER 2006

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	10/06/06 2:00:00 PM	16	mg/L	10mg/L
000940	CHLORIDE	E	No	EPA 300.0	10/14/06 11:06:00 PM	<0.05	mg/L	0.05mg/L
000610	AMMONIA NITROGEN	E	No	EPA 350.1	10/10/06 1:18:00 PM	<0.003	mg/L	0.003mg/L
000929	SODIUM	E	No	EPA 6020	10/06/06 8:06:00 PM	<0.192	mg/L	0.192mg/L
046369	DIBROMOMETHANE	E	No	EPA 8011	10/11/06 6:14:00 PM	<0.0040	µg/L	0.0040µg/L
034030	BENZENE	E	No	EPA 8260B	10/07/06 12:35:00 AM	<0.48	µg/L	0.48µg/L
034371	ETHYLBENZENE	E	No	EPA 8260B	10/07/06 12:35:00 AM	<0.99	µg/L	0.99µg/L
034010	TOLUENE	E	No	EPA 8260B	10/07/06 12:35:00 AM	<0.25	µg/L	0.25µg/L
039175	VINYL CHLORIDE	E	No	EPA 8260B	10/07/06 12:35:00 AM	<0.52	µg/L	0.52µg/L

Citrus County Central Landfill Parameter Monitoring Report

PART III Analytical Results

Facility GMS #: SWD/09/39859

Test Site ID #:

Well Name: TRIP (06Q4CC-TB1)

Classification of Ground Water:

Ground Water Elevation (NGVD):

Sampling Date/Time: 10/04/06

Report Period: FOURTH QUARTER 2006

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
034030	BENZENE		No	EPA 8260B	10/07/06 1:04:00 AM	<0.48	µg/L	0.48µg/L
034371	ETHYLBENZENE		No	EPA 8260B	10/07/06 1:04:00 AM	<0.99	µg/L	0.99µg/L
034010	TOLUENE		No	EPA 8260B	10/07/06 1:04:00 AM	<0.25	µg/L	0.25µg/L
039175	VINYL CHLORIDE		No	EPA 8260B	10/07/06 1:04:00 AM	<0.52	µg/L	0.52µg/L

Environmental Conservation Laboratories, Inc.

10775 Central Port Drive

Orlando FL, 32824

Phone: 407.826.5314 FAX: 407.850.6945



www.encolabs.com

RECEIVED

OCT 26 2006

JONES, EDMUNDS & ASSOC.

Monday, October 23, 2006

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 Co Leachate
ENCO Workorder: A604704**

Dear Lynne McDaniel,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, October 5, 2006.

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, reading "David M. Camacho". The signature is written in a cursive, flowing style.

David Camacho

Project Manager

Enclosure(s)



www.encolabs.com

LAB #		A604704-01	A604704-02	A604704-03	-	-	-
MATRIX	Minimum	Ground Water	Ground Water	Ground Water	-	-	-
SAMPLE ID	Reporting Limit	Leachate Effluent::06Q4CCEQB#1::06Q4CC- -LEFF	Leachate LEQB1	Trip Blank#1::06Q4C C-TB1	-	-	-

Volatile Organic Compounds by GCMS (Water)

Benzene	1.0 ug/L	<0.48 [5]	<0.48 [5]	<0.48 [5]	-	-	-
Ethylbenzene	1.0 ug/L	<0.99 [5]	<0.99 [5]	<0.99 [5]	-	-	-
Toluene	1.0 ug/L	<0.25 [5]	<0.25 [5]	<0.25 [5]	-	-	-
Vinyl chloride	1.0 ug/L	<0.52 [5]	<0.52 [5]	<0.52 [5]	-	-	-
Xylenes (Total)	1.0 ug/L	<0.60 [5]	<0.60 [5]	<0.60 [5]	-	-	-
Toluene-d8	125 [surr]	90%	90%	88%	-	-	-
4-Bromofluorobenzene	125 [surr]	85%	87%	86%	-	-	-
Dibromofluoromethane	137 [surr]	87%	88%	85%	-	-	-

Semivolatile Organic Compounds by GC (Water)

1,2-Dibromoethane	0.0200 ug/L	<0.0040 [5]	<0.0040 [5]	-	-	-	-
1,3-Dichlorobenzene	140 [surr]	65.7%	61.8%	-	-	-	-

Metals by EPA 6000/7000 Series Methods (Water)

Sodium	0.05 mg/L	343 [1]	<0.192 [5]	-	-	-	-
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Classical Chemistry Parameters (Water)

Ammonia as N	0.02 mg/L	0.04	<0.003 [5]	-	-	-	-
Chloride	1.00 mg/L	555 [1]	<0.05 [5]	-	-	-	-
Total Dissolved Solids	10 mg/L	1700	16	-	-	-	-

Field Parameters (Water)

Specific Conductance (EC)	0 umhos/cm	2940	-	-	-	-	-
Dissolved Oxygen	0.00 mg/L	3.37	-	-	-	-	-
pH	0.00 pH Units	8.01	-	-	-	-	-
Oxidation/Reduction Potential	mV	195	-	-	-	-	-
Temperature	0.00 °C	25.91	-	-	-	-	-
Turbidity	0.0 NTU	0.75	-	-	-	-	-



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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 6J06013 - EPA 5030B_MS

Blank (6J06013-BLK1)

Prepared: 10/06/2006 12:48 Analyzed: 10/06/2006 14:40

1,1,1-Trichloroethane	0.88 U	1.0	ug/L
1,1,2,2-Tetrachloroethane	0.20 U	0.20	ug/L
1,1,2-Trichloroethane	0.44 U	1.0	ug/L
1,1-Dichloroethane	0.60 U	1.0	ug/L
1,1-Dichloroethene	0.83 U	1.0	ug/L
1,2-Dichlorobenzene	0.27 U	1.0	ug/L
1,2-Dichloroethane	0.94 U	1.0	ug/L
1,2-Dichloropropane	0.97 U	1.0	ug/L
1,3-Dichlorobenzene	0.25 U	1.0	ug/L
1,4-Dichlorobenzene	0.24 U	1.0	ug/L
2-Chloroethyl Vinyl Ether	1.0 U	1.0	ug/L
Benzene	0.48 U	1.0	ug/L
Bromodichloromethane	0.22 U	0.40	ug/L
Bromoform	0.48 U	1.0	ug/L
Bromomethane	0.80 U	1.0	ug/L
Carbon tetrachloride	0.85 U	1.0	ug/L
Chlorobenzene	0.21 U	1.0	ug/L
Chloroethane	0.66 U	1.0	ug/L
Chloroform	0.89 U	1.0	ug/L
Chloromethane	0.82 U	1.0	ug/L
cis-1,2-Dichloroethene	0.75 U	1.0	ug/L
cis-1,3-Dichloropropene	0.20 U	0.20	ug/L
Dibromochloromethane	0.20 U	0.20	ug/L
Dichlorodifluoromethane	0.53 U	1.0	ug/L
Ethylbenzene	0.99 U	1.0	ug/L
m,p-Xylenes	0.55 U	2.0	ug/L
Methylene chloride	26 O-01	2.0	ug/L
Methyl-tert-Butyl Ether	0.85 U	1.0	ug/L
o-Xylene	0.60 U	1.0	ug/L
Tetrachloroethene	0.65 U	1.0	ug/L
Toluene	0.25 U	1.0	ug/L
trans-1,2-Dichloroethene	0.83 U	1.0	ug/L
trans-1,3-Dichloropropene	0.20 U	0.20	ug/L
Trichloroethene	0.71 U	1.0	ug/L
Trichlorofluoromethane	0.70 U	1.0	ug/L
Vinyl chloride	0.52 U	1.0	ug/L

O-01

Surrogate: Toluene-d8	56	ug/L	50.0	112	87.6-125
Surrogate: 4-Bromofluorobenzene	53	ug/L	50.0	106	57.1-125
Surrogate: Dibromofluoromethane	55	ug/L	50.0	110	49.8-137

LCS (6J06013-BS1)

Prepared: 10/06/2006 12:48 Analyzed: 10/06/2006 14:10

1,1-Dichloroethene	15	1.0	ug/L	20.0	76	55.1-177
Benzene	19	1.0	ug/L	20.0	95	64.9-144
Chlorobenzene	20	1.0	ug/L	20.0	99	63.5-136
Toluene	20	1.0	ug/L	20.0	98	68.4-128
Trichloroethene	17	1.0	ug/L	20.0	87	70.2-128



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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 6J06013 - EPA 5030B_MS

LCS (6J06013-BS1) Continued

Prepared: 10/06/2006 12:48 Analyzed: 10/06/2006 14:10

Surrogate: Toluene-d8	49		ug/L	50.0		97	87.6-125			
Surrogate: 4-Bromofluorobenzene	48		ug/L	50.0		96	57.1-125			
Surrogate: Dibromofluoromethane	48		ug/L	50.0		96	49.8-137			

Matrix Spike (6J06013-MS1)

Source: A604835-03

Prepared: 10/06/2006 12:48 Analyzed: 10/06/2006 15:09

1,1-Dichloroethene	17	1.0	ug/L	20.0	0.83 U	84	55.1-177			
Benzene	17	1.0	ug/L	20.0	0.48 U	83	65-143			
Chlorobenzene	16	1.0	ug/L	20.0	0.21 U	81	63.5-136			
Toluene	17	1.0	ug/L	20.0	0.25 U	83	68.4-128			
Trichloroethene	100 QM-01	1.0	ug/L	20.0	90	58	70.2-128			QM-01

Surrogate: Toluene-d8	50		ug/L	50.0		100	87.6-125			
Surrogate: 4-Bromofluorobenzene	45		ug/L	50.0		90	57.1-125			
Surrogate: Dibromofluoromethane	50		ug/L	50.0		100	49.8-137			

Matrix Spike Dup (6J06013-MSD1)

Source: A604835-03

Prepared: 10/06/2006 12:48 Analyzed: 10/06/2006 15:39

1,1-Dichloroethene	16	1.0	ug/L	20.0	0.83 U	80	55.1-177	5	15.6	
Benzene	18	1.0	ug/L	20.0	0.48 U	90	65-143	9	11.8	
Chlorobenzene	17	1.0	ug/L	20.0	0.21 U	87	63.5-136	7	18.9	
Toluene	18	1.0	ug/L	20.0	0.25 U	90	68.4-128	8	12.4	
Trichloroethene	100 QM-01	1.0	ug/L	20.0	90	68	70.2-128	2	13.3	QM-01

Surrogate: Toluene-d8	46		ug/L	50.0		91	87.6-125			
Surrogate: 4-Bromofluorobenzene	43		ug/L	50.0		86	57.1-125			
Surrogate: Dibromofluoromethane	46		ug/L	50.0		93	49.8-137			

Semivolatile Organic Compounds by GC - Quality Control

Batch 6J11013 - EPA 504/8011

Blank (6J11013-BLK1)

Prepared: 10/11/2006 11:17 Analyzed: 10/11/2006 16:59

1,2-Dibromoethane	0.0040 U	0.0200	ug/L							
1,2-Dibromo-3-chloropropane	0.0040 U	0.0200	ug/L							

LCS (6J11013-BS1)

Prepared: 10/11/2006 11:17 Analyzed: 10/11/2006 17:11

1,2-Dibromoethane	0.243	0.0200	ug/L	0.250		97	60-140			
1,2-Dibromo-3-chloropropane	0.253	0.0200	ug/L	0.250		101	60-140			

Matrix Spike (6J11013-MS1)

Source: A604792-01

Prepared: 10/11/2006 11:17 Analyzed: 10/11/2006 17:24

1,2-Dibromoethane	0.244	0.0200	ug/L	0.250	0.0040 U	98	65-135			
1,2-Dibromo-3-chloropropane	0.259	0.0200	ug/L	0.250	0.0040 U	104	65-135			

Matrix Spike Dup (6J11013-MSD1)

Source: A604792-01

Prepared: 10/11/2006 11:17 Analyzed: 10/11/2006 17:36

1,2-Dibromoethane	0.246	0.0200	ug/L	0.250	0.0040 U	98	65-135	0.7	18	
1,2-Dibromo-3-chloropropane	0.256	0.0200	ug/L	0.250	0.0040 U	102	65-135	1	20	

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 6J05013 - EPA 3005A

Blank (6J05013-BLK1)

Prepared: 10/05/2006 13:40 Analyzed: 10/06/2006 17:47

Sodium	0.02 U	0.05	mg/L							
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LCS (6J05013-BS1)

Prepared: 10/05/2006 13:40 Analyzed: 10/06/2006 17:59

Sodium	0.493	0.05	mg/L	0.500		99	85-115			
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Matrix Spike (6J05013-MS1)

Source: A604792-04

Prepared: 10/05/2006 13:40 Analyzed: 10/06/2006 19:00

Sodium	5.00	0.5	mg/L	5.00	0.2 U	100	70-130			
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Matrix Spike Dup (6J05013-MSD1)

Source: A604792-04

Prepared: 10/05/2006 13:40 Analyzed: 10/06/2006 19:06

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sample Notes
---------	--------	-----	-------	-------------	---------------	------	-------------	-----	-----------	--------------

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 6J05013 - EPA 3005A

Matrix Spike Dup (6J05013-MSD1) Continued **Source: A604792-04** **Prepared: 10/05/2006 13:40 Analyzed: 10/06/2006 19:06**

Sodium	5.00	0.5	mg/L	5.00	0.2 U	100	70-130	0.03	20
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Post Spike (6J05013-PS1) **Source: A604792-04** **Prepared: 10/06/2006 14:10 Analyzed: 10/06/2006 19:13**

Sodium	0.467	0.05	mg/L	0.495	0.00364	94	75-125		
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Classical Chemistry Parameters - Quality Control

Batch 6J05010 - EPA 9030B

Blank (6J05010-BLK1) **Prepared: 10/05/2006 17:00 Analyzed: 10/06/2006 14:00**

Total Dissolved Solids	10 U	10	mg/L						
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LCS (6J05010-BS1) **Prepared: 10/05/2006 17:00 Analyzed: 10/06/2006 14:00**

Total Dissolved Solids	310	10	mg/L	300		103	86-118		
------------------------	-----	----	------	-----	--	-----	--------	--	--

Duplicate (6J05010-DUP1) **Source: A604719-01** **Prepared: 10/05/2006 17:00 Analyzed: 10/06/2006 14:00**

Total Dissolved Solids	728	10	mg/L	760			4	25	
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Batch 6J10015 - NO PREP

Blank (6J10015-BLK1) **Prepared: 10/10/2006 10:43 Analyzed: 10/10/2006 13:10**

Ammonia as N	0.003 U	0.02	mg/L						
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LCS (6J10015-BS1) **Prepared: 10/10/2006 10:43 Analyzed: 10/10/2006 13:15**

Ammonia as N	0.984	0.02	mg/L	1.00		98	90-110		
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Matrix Spike (6J10015-MS1) **Source: A604984-01** **Prepared: 10/10/2006 10:43 Analyzed: 10/10/2006 13:36**

Ammonia as N	0.949	0.02	mg/L	1.00	0.003 U	95	90-110		
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Matrix Spike Dup (6J10015-MSD1) **Source: A604984-01** **Prepared: 10/10/2006 10:43 Analyzed: 10/10/2006 13:38**

Ammonia as N	0.957	0.02	mg/L	1.00	0.003 U	96	90-110	0.8	10
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Batch 6J14002 - NA

Blank (6J14002-BLK1) **Prepared: 10/14/2006 13:08 Analyzed: 10/14/2006 18:47**

Chloride	0.05 U	1.00	mg/L						
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LCS (6J14002-BS1) **Prepared: 10/14/2006 13:08 Analyzed: 10/14/2006 19:05**

Chloride	227	1.00	mg/L	250		91	90-110		
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Matrix Spike (6J14002-MS1) **Source: A604747-01** **Prepared: 10/14/2006 13:08 Analyzed: 10/14/2006 19:24**

Chloride	255	1.00	mg/L	255	25.2	90	90-110		
----------	-----	------	------	-----	------	----	--------	--	--

Matrix Spike Dup (6J14002-MSD1) **Source: A604747-01** **Prepared: 10/14/2006 13:08 Analyzed: 10/14/2006 19:42**

Chloride	237 QM-07	1.00	mg/L	255	25.2	83	90-110	7	26	QM-07
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Special Notes

- [1] D = Data reported from a dilution
- [2] O-01 = This compound is a common laboratory contaminant.
- [3] QM- = The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
- [4] QM- = The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- [5] U = Analyte included in the analysis, but not detected

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

QSAF # A604704

4810 Executive Park Court, Suite 211
Jacksonville, Florida 32216-6069
Ph. (904) 296-3007 • Fax (904) 296-6210

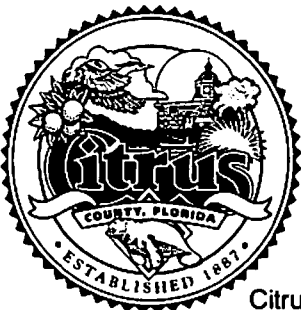
10207 General Drive
Orlando, Florida 32824-8529
Ph. (407) 826-5314 • Fax (407) 850-6945

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

ENCO CompQAP No.: 960038G/0

CHAIN OF CUSTODY RECORD

PROJECT REFERENCE		PROJECT NO.	P.O. NUMBER	MATRIX TYPE		REQUIRED ANALYSIS		PAGE	OF										
CITRUS COUNTY LANDFILL		03860-022-01						1	1										
PROJECT LOC. (State)	SAMPLER(S) NAME	PHONE	FAX	See Leachate Effluent List EPA 8260				☒ STANDARD REPORT DELIVERY ☐ EXPEDITED REPORT DELIVERY (surcharge) Date Due: _____											
FL.	Steve Messick	(352) 377-5821	377-3166																
CLIENT NAME		CLIENT PROJECT MANAGER																	
Jones Edmunds & Assoc.		John Locklear																	
CLIENT ADDRESS (CITY, STATE, ZIP)																			
730 N. E. Waldo Rd. Gainesville, FL. 32641																			
SAMPLE																			
STATION	DATE	TIME	GRAB	COMP	SAMPLE IDENTIFICATION	PRESERVATIVE		REMARKS											
Leachate EFFluent	10/4/06	0850	✓		06Q4CC-LEFF														
Leachate EORB#1	↓	0905			06Q4CC-LEQB1			New Lab bottles rinsed w/ Dist. water											
Trip Blank#1	—	—			06Q4CC-TB1			QA/QC											
Steve Messick																			
SAMPLE KIT PREPARED BY:		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)											
☐ JACKSONVILLE ☒ ORLANDO		UP 9/26/06	09:53	Lisa Ponti		9/26/06	09:53	Steve Messick											
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)											
Steve Messick		10/4/06	1000																
RECEIVED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)											
RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE	TIME	CUSTODY INTACT		ENCO LOG NO.		REMARKS											
J. Ponti		10/5/06	11:45	☒ YES ☐ NO		A604704		Samples shipped by Greyhound Bus from Gainesville, FL. to Orlando, FL. MP-30 2°C											



Board of County Commissioners
DEPARTMENT OF PUBLIC WORKS
SOLID WASTE MANAGEMENT DIVISION
P.O. Box 340, Lecanto, Florida 34460
Telephone: (352) 527-7670 FAX: (352) 527-7672
email: landfillinfo@bocc.citrus.fl.us
TDD Telephone 527-5303

Citrus Springs/Dunnellon/Inglis/Yankeetown area Toll Free (352) 489-2120

Dept. of Environmental
Protection
OCT 16 2006

Southwest District

October 13, 2006

Mr. John Morris
Florida Department of Environmental Protection
13051 N Telecom Pkwy
Temple Terrace, FL 33637-0926

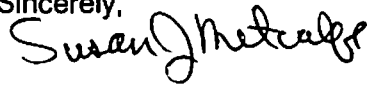
**RE: WEEKLY LEACHATE MONITORING REPORT FOR CITRUS COUNTY CENTRAL
LANDFILL 60 AND 80 ACRE SITES - PERMIT NO. 21375-008-SO/01**

Dear Mr. Morris:

Enclosed please find the quarterly leachate quality monitoring results, together with the Operator's reports for the months of July, August and September 2006:

- 1) **Weekly effluent analytical results:** As I indicated in e-mails dated 9/13 and 9/27/06, we had periods of noncompliance with the permit nitrate limit periodically during the month. As a result, 114,209 gallons of treated leachate was re-circulated to the storage tanks rather than discharging to the percolation ponds. This included batches from 9/6 and 9/9 through 9/13, as well as 9/19 and 9/24 through 9/27. According to Permit Condition E.9.b.2, Department approval to restart discharge is not required unless two consecutive weeks of testing show non-compliance for the same parameter. The decision to restart onsite discharge was made based on internal process control testing, rather than reports from an outside lab, which take about a week to receive. Additionally, on two of the scheduled lab sampling days, internal testing indicated that the results would not be compliant, so recirculation was continued and no sample was taken. In conclusion, each treated batch, beginning on 9/6 and continuing through the end of the month, was held in SBR #4 and tested for nitrate concentration in-house prior to making a decision on whether to re-circulate or discharge. The underlying problem with the programmable logic controller that allowed extended aeration times in the second stage anoxic tank has been corrected.
- 2) **Quarterly Effluent results:** Forwarded by Jones, Edmunds and Associates under separate cover letter.

Should further information or clarification be necessary, please do not hesitate to contact me.

Sincerely,


Susan J. Metcalfe
Director, Division of
Solid Waste Management

CC: Glenn W. McCracken, Director, Department of Public Works (w/xls sheet)
Susan Pelz, Florida Department of Environmental Protection (w/xls sheet)

CITRUS COUNTY CENTRAL LANDFILL
WEEKLY LEACHATE MONITORING

SAC Laboratories		MAXIMUM CONTAMINANT LEVEL BY PERMIT			
Results		20	10	20	
DATE		CBOD < 5 day	MG/L < NITRATE	MG/L < SUSPENDED SOLIDS	MG/L
7/5/06	Plant off line for telemetry installation - no sample				
7/12/06	Plant off line for telemetry installation - no sample				
7/19/06	4.88	0.13	<	1.0	
7/26/06	1.77	0.77	<	1.0	
8/2/06	2.5	0.33		6.5	
8/9/06	1.16	3.3		4.5	
8/16/06	1.61	2.6	<	1.0	
8/23/06	1.55	1.6	<	1.0	
8/30/06	1.77	1.6		1.0	
9/6/06	1.55	20	<	1.0	
9/13/06	No sample -				
9/20/06	1.94	19.7	<	1.0	
9/27/06	No sample -				

cjw

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
OCT 16 2006
SOUTHWEST DISTRICT
TAMPA

CITRUS COUNTY CENTRAL LANDFILL

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

WHEN COMPLETED MAIL THIS REPORT TO:

DEPARTMENT OF ENVIRONMENTAL PROTECTION SOUTHWEST DISTRICT

Solid Waste Section, 3805 Coconut Palm Drive Tampa, FL 33619-8218

PERMITTEE NAME: Citrus County Board Of County Commissioners
 MAILING ADDRESS: P.O. Box 340
 Lecanto, FL 34460

PERMIT NUMBER: 21375-004-SO/01
 WACS FACILITY ID NUMBER: SWD/09/039859
 TEST SITE ID NUMBER: WACS 175
 MONITORING PERIOD:

FACILITY: Central Landfill Leachate Plant
 LOCATION: 230 W. Gulf to Lake Hwy
 Lecanto, FL 34461
 COUNTY: Citrus

From: 7/1

To: 07/31/2006

CLASS SIZE: 1-C

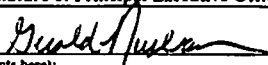
REPORT: Quarterly

GROUP: Solid Waste

Please read instructions before completing this form.

Parameter		Quantity or Loading			Quality or Concentration			No. Ex	Frequency of Analysis	Sample Type
		Avg.	Max.	Units	Min.	Avg.	Max.			
Flow, in conduit or thru treatment plant	Sample Measurement	0.01		MGD						
PARM Code 50053	Permit Requirement	Report Mon AVG.	.030 (3) Month Rolling Average	MGD					Daily	Metered
C OD. 5 day 20 degree C	Sample Measurement					3.3		mg/L		
PARM Code #0082	Permit Requirement					20 (Mo. Avg.)		mg/L	Weekly	Grab
Total Suspended Solids	Sample Measurement					1.0		mg/L		
PARM Code 900201	Permit Requirement					20 (Mo. Avg.)		mg/L	Weekly	Grab
Nitrate (as N)	Sample Measurement						0.8	mg/L		
PARM Code 071850	Permit Requirement					10.0 (Mo. Avg.)		mg/L	Weekly	Grab
pH	Sample Measurement				7.6		8.5	S.U.		
PARM Code 00500	Permit Requirement				6.5 Min.		8.5 Max.	S.U.	Daily	Grab

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

Name/Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Telephone No. (include area code)	Date (mm/dd/yy)
Gerald Nusbaum Utility Operator II C/14117		(352)527-7670	09/29/06

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

* Rolling Annual Average is the average of the current month's average and the preceding 11 monthly averages.

A-1



Board of County Commissioners
DEPARTMENT OF PUBLIC WORKS
SOLID WASTE MANAGEMENT DIVISION

P.O. Box 340, Lecanto, Florida 34460

Telephone: (352) 527-7670 FAX: (352) 527-7672

email: landfillinfo@bocc.citrus.fl.us

TDD Telephone 527-5303

Citrus Springs/Dunnellon/Inglis/Yankeetown area Toll Free (352) 489-2120

**Dept. of Environmental
Protection**

JAN 16 2007

Southwest District

January 9, 2007

Mr. John Morris
Florida Department of Environmental Protection
13051 N Telecom Pkwy
Temple Terrace, FL 33637-0926

**RE: WEEKLY LEACHATE MONITORING REPORT FOR CITRUS COUNTY CENTRAL
LANDFILL 60 AND 80 ACRE SITES - PERMIT NO. 21375-008-SO/01**

Dear Mr. Morris:

Enclosed please find the quarterly leachate quality monitoring results, together with the Operator's reports for the months of October, November and December 2006:

- 1) **Weekly effluent analytical results:** There were no exceedances of permit limits for this time period.
- 2) **Quarterly Effluent results:** Forwarded by Jones, Edmunds and Associates under separate cover letter.

Should further information or clarification be necessary, please do not hesitate to contact me.

Sincerely,

Susan J. Metcalfe
Director, Division of
Solid Waste Management

CC: Glenn W. McCracken, Director, Department of Public Works (w/xls sheet)
Michael K. Arnold, Assistant Director, Department of Public Works (w/xls sheet)
Susan Pelz, Florida Department of Environmental Protection (w/xls sheet)

CITRUS COUNTY CENTRAL LANDFILL
WEEKLY LEACHATE MONITORING

SAC Laboratories		MAXIMUM CONTAMINANT LEVEL BY PERMIT			
Results		20	10	20	
		CBOD		SUSPENDED	
DATE	<	5 day	MG/L < NITRATE	MG/L <	SOLIDS
					MG/L
10/4/06		1.44	0.36	<	1.0
10/11/06		1.33	1.3	<	1.0
10/18/06		2.05	3.2	<	1.0
10/25/06		5.5	0.54		4.0
11/1/06		1.66	0.15		2.0
11/8/06		4.5	0.36		11.0
11/14/06		1.33	4.5		1.0
11/21/06		1.72	9.6	<	1.0
11/29/06		5.9	2.7		4.5
12/6/06		1.61	3.1		9.5
12/12/06		4.07	5.4		3.5
12/20/06		1.33	4.2		3.5
12/27/06		1.66	3.6		2.0

cjw

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION

JAN 16 2007

SOUTHWEST DISTRICT
TAMPA

DAILY SAMPLE RESULTS - PART B

Month/Year: 7/06

Three-month Average Daily Flow:	0.005
Daily Flow % of Permitted Capacity:	26.4%

PLANT STAFFING:	Day Shift Operator	Class: C	Certificate No.: 14117	Name: Gerald Nusbaum
	Evening Shift Operator	Class:	Certificate No.:	Name:
	Night Shift Operator	Class:	Certificate No.:	Name:
	Lead Operator	Class: C	Certificate No.: 13057	Name: Gary Loggins

Perc. Pond

No:

Yes:

Not applicable: **X**

09/28/2006
2:27 PM

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

Client CITRUS COUNTY UTILITIES **Sample Number** E061414
Project LEACHATE PLANT **Date/Time Sampled** 7/26/06 0900 HRS
Sample Description WWTP/EFF **Date/Time Received** 7/26/06 1045 HRS
PO NO 55573 **Invoice Number** 8496

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	1.77	0.3 mg/L	AP	7/27/06 1630 HRS
SM2540-D	TSS	mg/L	<1	1.0 mg/L	RAC	7/28/06 0800 HRS
SM4500-NO3-E	NITRATE	mg/L	0.77	0.10 mg/L	CK	7/26/06 1100 HRS

Sally Ann Canillo
Laboratory Manager

For all Results qualified with an I, the POL is defined to be 4 times the MDL

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

Client	CITRUS COUNTY UTILITIES	Sample Number	E061369
Project	LEACHATE LANDFILL	Date/Time Sampled	7/19/06 1105 HRS
Project No	55573	Date/Time Received	7/19/06 1250 HRS
Sample Description	WWTP/INF	Invoice Number	8496

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	115.0	0.3 mg/L	AP	7/20/06 1600 HRS
SM2540-D	TSS	mg/L	80.0	1.0 mg/L	AP	7/21/06 0900 HRS

Sample Description	WWTP/EFF	Date/Time Sampled	7/19/06 1115 HRS
		Date/Time Received	7/19/06 1250 HRS

Method	Analytes	Units	Results	% Removal MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	4.88	95.75 % 0.3 mg/L	AP	7/20/06 1600 HRS
SM2540-D	TSS	mg/L	<1	100% 1.0 mg/L	AP	7/21/06 0900 HRS
SM4500-NO3-E	NITRATE	mg/L	0.13	0.10 mg/L	CK	7/20/05 0730 HRS

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

Sally Ann Carrillo
Laboratory Manager

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

CITRUS COUNTY CENTRAL LANDFILL

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

WHEN COMPLETED MAIL THIS REPORT TO:

DEPARTMENT OF ENVIRONMENTAL PROTECTION SOUTHWEST DISTRICT
Solid Waste Section, 3805 Coconut Palm Drive Tampa, FL 33619-8218PERMITTEE NAME: Citrus County Board Of County Commissioners
MAILING ADDRESS: P.O. Box 340
Lecanto, FL 34460PERMIT NUMBER: 21375-008-SO/01
WACS FACILITY ID NUMBER: SWD/09/039859
TEST SITE ID NUMBER: WACS 175
MONITORING PERIOD:FACILITY: Central Landfill Leachate Plant
LOCATION: 230 W. Gulf to Lake Hwy
Lecanto, FL 34461
COUNTY: Citrus

From: 8/1

To: 08/31/2006

CLASS SIZE: 1-C

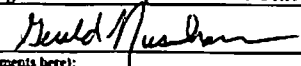
REPORT: Quarterly

GROUP: Solid Waste

Please read instructions before completing this form.

Parameter		Quantity or Loading			Quality or Concentration				No. Ex	Frequency of Analysis	Sample Type
		Avg.	Max.	Units	Min.	Avg.	Max.	Units			
Flow, in conduit or thru treatment plant	Sample Measurement	0.013		MGD							
PARM Code 50053	Permit Requirement	Report Mon. AVG.	.030 (3) Month Rolling Average	MGD						Daily	Metered
COD, 5 day 20 degree C	Sample Measurement					1.5		mg/L			
PARM Code 80082	Permit Requirement					20 (Mo. Avg.)		mg/L		Weekly	Grab
Total Suspended Solids	Sample Measurement					1.9		mg/L			
PARM Code 900201	Permit Requirement					20 (Mo. Avg.)		mg/L		Weekly	Grab
Nitrate (as N)	Sample Measurement						3.3	mg/L			
PARM Code 071850	Permit Requirement					10.0 (Mo. Avg.)		mg/L		Weekly	Grab
pH	Sample Measurement				7.5		8.3	S.U.			
PARM Code 00500	Permit Requirement				6.5 Min.		8.5 Max.	S.U.		Daily	Grab

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

Name/Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Telephone No. (include area code)	Date (mm/dd/yy)
Gerald Nusbaum Utility Operator II C/14117		(352)527-7670	09/29/06

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

* Rolling Annual Average is the average of the current month's average and the preceding 11 monthly averages.

A-1

DAILY SAMPLE RESULTS - PART B

Month/Year: 8/06

Three-month Average Daily Flow:	0.007
Daily Flow % of Permitted Capacity:	23.3%

PLANT STAFFING:	Day Shift Operator	Class:	C	Certificate No.:	14117	Name:	Gerald Nusbaum
	Evening Shift Operator	Class:		Certificate No.:		Name:	
	Night Shift Operator	Class:		Certificate No.:		Name:	
	Lead Operator	Class:	C	Certificate No.:	13057	Name:	Gary Loggins

Perc. Pond

No:

Yes:

Not applicable: ☒ X

09/28/2006
2:26 PM

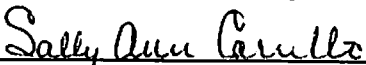
S.A.C. ENVIRONMENTAL LABORATORY INC
DOH CERTIFICATION #84492
ANALYTICAL REPORT

Client CITRUS COUNTY UTILITIES **Sample Number** E061452
Project LEACHATE PLANT **Date/Time Sampled** 8/02/06 0845 HRS
Sample Description WWTP/EFF **Date/Time Received** 8/02/06 0945 HRS
PO NO 55573 **Invoice Number** 8536

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	2.5	0.3 mg/L	AP	8/03/06 1700 HRS
SM2540-D	TSS	mg/L	6.5	1.0 mg/L	RAC	8/04/06 0830 HRS
SM4500-NO3-E	NITRATE	mg/L	0.33	0.10 mg/L	CK	8/02/06 1000 HRS

These results relate only to this sample

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


Laboratory Manager

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

Client	CITRUS COUNTY UTILITIES	Sample Number	E061503
Project	LEACHATE PLANT	Date/Time Sampled	8/09/06 0845 HRS
Sample Description	WWTP/EFF	Date/Time Received	8/09/06 0945 HRS
PO NO	55573	Invoice Number	8535

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	1.16	0.3 mg/L	AP	8/10/06 1700 HRS
SM2540-D	TSS	mg/L	4.5	1.0 mg/L	RAC	8/11/06 1045 HRS
SM4500-NO3-E	NITRATE	mg/L	3.3	0.10 mg/L	CK	8/10/06 0945 HRS

These results relate only to this sample

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


Laboratory Manager

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

Client	CITRUS COUNTY UTILITIES	Sample Number	E061558
Project	LEACHATE LANDFILL	Date/Time Sampled	8/16/06 1045 HRS
Project No	55573	Date/Time Received	8/16/06 1230 HRS
Sample Description	WWTP/INF	Invoice Number	8535

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	122.50	0.3 mg/L	AP	8/17/06 1800 HRS
SM2540-D	TSS	mg/L	4.0	1.0 mg/L	AP	8/18/06 0700 HRS

Sample Description	WWTP/EFF	Date/Time Sampled	8/16/06 1040 HRS
		Date/Time Received	8/16/06 1230 HRS

Method	Analytes	Units	Results	% Removal MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	1.61	98.88 % 0.3 mg/L	AP	8/17/06 1800 HRS
SM2540-D	TSS	mg/L	<1	100% 1.0 mg/L	AP	8/18/06 0700 HRS
SM4500-NO3-E	NITRATE	mg/L	2.6	0.10 mg/L	CK	8/17/05 1015 HRS

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

These results relate only to this sample.

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

Sally Ann Canelli
Laboratory Manager

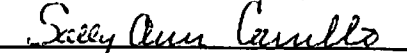
S.A.C. ENVIRONMENTAL LABORATORY INC
DOH CERTIFICATION #84492
ANALYTICAL REPORT

Client CITRUS COUNTY UTILITIES **Sample Number** E061604
Project LEACHATE PLANT **Date/Time Sampled** 8/23/06 0825 HRS
Sample Description WWTP/EFF **Date/Time Received** 8/23/06 1005 HRS
PO NO 55573 **Invoice Number** 8535

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	1.55	0.3 mg/L	AP	8/10/06 1700 HRS
SM2540-D	TSS	mg/L	<1	1.0 mg/L	RAC	8/25/06 0900 HRS
SM4500-NO3-E	NITRATE	mg/L	1.6	0.10 mg/L	CK	8/23/06 0830 HRS

These results relate only to this sample

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


Laboratory Manager

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

Client	CITRUS COUNTY UTILITIES	Sample Number	E061637
Project	LEACHATE PLANT	Date/Time Sampled	8/30/06 0910 HRS
Sample Description	WWTP/EFF	Date/Time Received	8/30/06 1045 HRS
PO NO	55573	Invoice Number	8535

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	1.77	0.3 mg/L	AP	8/31/06 1400 HRS
SM2540-D	TSS	mg/L	1.0	1.0 mg/L	RAC	9/01/06 0800 HRS
SM4500-NO3-E	NITRATE	mg/L	1.6	0.10 mg/L	CK	8/31/06 09000 HRS

These results relate only to this sample

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

Sally Ann Casillo
Laboratory Manager

CITRUS COUNTY CENTRAL LANDFILL

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A
 WHEN COMPLETED MAIL THIS REPORT TO: DEPARTMENT OF ENVIRONMENTAL PROTECTION SOUTHWEST DISTRICT
 Solid Waste Section, 3805 Coconut Palm Drive Tampa, FL 33619-8218

PERMITTEE NAME: Citrus County Board Of County Commissioners
 MAILING ADDRESS: P.O. Box 340
 Lecanto, FL 34460

PERMIT NUMBER: 21375-008-SO/01
 WACS FACILITY ID NUMBER: SWD/09/039859
 TEST SITE ID NUMBER: WACS 175
 MONITORING PERIOD:

FACILITY: Central Landfill Leachate Plant
 LOCATION: 230 W. Gulf to Lake Hwy
 Lecanto, FL 34461
 COUNTY: Citrus

From: 9/1 To: 09/30/2006
 CLASS SIZE: 1-C
 REPORT: Quarterly
 GROUP: Solid Waste

Please read instructions before completing this form.

Parameter		Quantity or Loading			Quality or Concentration				No. Ex	Frequency of Analysis	Sample Type
		Avg.	Max.	Units	Min.	Avg.	Max.	Units			
Flow, in conduit or thru treatment plant	Sample Measurement	0.009		MGD							
PARM Code 50053	Permit Requirement	Report Mon AVG.	.030 (3) Month Rolling Average	MGD						Daily	Metered
C OD, 5 day 20 degree C	Sample Measurement					1.7		mg/L			
PARM Code 80082	Permit Requirement					20 (Mo. Avg.)		mg/L		Weekly	Grab
Total Suspended Solids	Sample Measurement					1.0		mg/L			
PARM Code 900201	Permit Requirement					20 (Mo. Avg.)		mg/L		Weekly	Grab
Nitrate (as N)	Sample Measurement						20.0	mg/L			
PARM Code 071850	Permit Requirement					10.0 (Mo. Avg.)		mg/L		Weekly	Grab
pH	Sample Measurement				7.8		0.0	S.U.			
PARM Code 00500	Permit Requirement				6.5 Min.		8.5 Max.	S.U.		Daily	Grab

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based on my inquiry of those individuals immediately responsible for obtaining the information, Gerald Nushaum Utility Operator II

Name/Title of Principal Executive C/14117	Signature of Principal Executive Officer or Authorized Agent	Telephone No. (include area code)	Date (mm/dd/yy)
Gary Loggins Utility Operator III C/13057	<i>Gerald Nushaum</i>	(352)527-7670	10/10/06

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

* Rolling Annual Average is the average of the current month's average and the preceding 11 monthly averages.

A-1

DAILY SAMPLE RESULTS - PART B

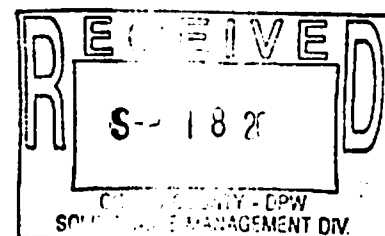
Three-month Average Daily Flow:	0.010
Daily Flow % of Permitted Capacity:	33.3%

Type of Effluent Disposal or Reclaimed Water Reuse: Perc. Pond
 Limited Wet Weather Discharge Activated: No: Yes: Not applicable: X
 * Attach additional sheets if necessary to list all certified operators.

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

Client CITRUS COUNTY UTILITIES **Sample Number** E061665
Project LEACHATE PLANT **Date/Time Sampled** 9/6/06 0845 HRS
Sample Description WWTP/EFF **Date/Time Received** 9/6/06 0955 HRS
PO NO 55573 **Invoice Number** 8594

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	1.55	0.3 mg/L	AP	9/7/06 1500 HRS
SM2540-D	TSS	mg/L	<1	1.0 mg/L	RAC	9/6/06 1200 HRS
SM4500-NO3-E	NITRATE	mg/L	20.0	0.10 mg/L	CK	9/6/06 0958 HRS



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

Sally Ann Casillo
Laboratory Manager

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

SOLID WASTE MANAGEMENT
 PO BOX 340
 LECANTO FL 34460

Invoice Number 8594

Client	CITRUS COUNTY UTILITIES	Sample Number	E061772
Project	LANDFILL LEACHATE PLANT	Date/Time Sampled	9/20/06 0855 HRS
Sample Description	WWTP/INF	Date/Time Received	9/20/06 1130 HRS

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	110.00	0.3 mg/L	AP	9/21/06 1700 HRS
SM2540-D	TSS	mg/L	1.5	1.0 mg/L	RAC	9/22/06 0930 HRS

		Date/Time Sampled	9/20/06 0850 HRS
Sample Description	WWTP/EFF	Date/Time Received	9/20/06 1130 HRS

Method	Analytes	Units	Results	% Removal MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	1.94	98.23% 0.3 mg/L	AP	9/21/06 1700 HRS
SM2540-D	TSS	mg/L	<1	100% 1.0 mg/L	RAC	9/22/06 0930 HRS
SM4500-NO3-E	NITRATE	mg/L	19.7	0.10 mg/L	CK	9/21/06 0930 HRS

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

Sally Ann Cassella
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

Pelz, Susan

From: Susan Metcalfe [Susan.Metcalfe@bocc.citrus.fl.us]
Sent: Wednesday, September 06, 2006 3:50 PM
To: Pelz, Susan
Cc: Gary Loggins; Glenn McCracken
Subject: Leachate pump failure

Susan,

The #2 primary leachate collection pump in the Phase 1/1A sump failed to operate this morning. This was the only operable primary leachate pump in that sump. We have one spare on hand, which will be installed by Utilities and SCS Field Services staff on Saturday September 9. Please let me know if you need more information.
Susie

Susan Metcalfe, Director

Citrus County Solid Waste Management Division
P.O. Box 340
Lecanto, FL 34460

352-527-7670 phone
352-527-7672 fax

Analytical Results Summary for Leachate Samples Collected at Class I/III/C&D Landfills

Facility Name -- Citrus Central Class I Landfill
Analytical Laboratory -- Advanced Env. Laboratories, Inc.

County -- Citrus
Approval of Sampling QA Plan -- Y

Sampling Frequency -- weekly parameters only
Approval of Analytical QA Plan -- Y

PARAMETERS	Permit Limits	Effluent 1/7/2004	Effluent 2/4/2004	Effluent 3/3/2004	Effluent 4/7/2004	Effluent 5/5/2004	Effluent 6/2/2004	Effluent 7/1/2004	Effluent 8/4/2004	Effluent 9/1/2004	Effluent	Effluent	Effluent	
Field Measurements		4/16/2004	4/16/2004	4/16/2004	7/15/2004	7/15/2004	7/15/2004	10/15/2004	10/15/2004	10/15/2004				Date Sampled
pH (Std. Units)	6 - 8.5				8.4	8.3	8.3	8	8	8.3				Data Received
Inorganics														Notes
Nitrate (mg/L)	10			3.9	3.3	0.35	0.63	6.2	0.45	3.4				
Total Suspended Solids (mg/L)	20			2.5	10	10	8.5	21	1	<1				
CBOD ₅ (mg/L)	20			2.05	2.53	4.04	3.41	5.5	2.96					

PARAMETERS	Permit Limits	Effluent 1/14/2004	Effluent 2/11/2004	Effluent 3/10/2004	Effluent 4/14/2004	Effluent 5/12/2004	Effluent 6/9/2004	Effluent 7/7/2004	Effluent 8/11/2004	Effluent 9/9/2004	Effluent	Effluent	Effluent	
Field Measurements		4/16/2004	4/16/2004	4/16/2004	7/15/2004	7/15/2004	7/15/2004	10/15/2004	10/15/2004	10/15/2004				Date Sampled
pH (Std. Units)	6 - 8.5				8.1	8.1	8.3	8.2	8.3	8.1				Data Received
Inorganics														
Nitrate (mg/L)	10			8.3	4.3	1.7	3.5	1.1	0.21	0.68				
Total Suspended Solids (mg/L)	20			2	5.5	3	22.5	8	<1	<1				
CBOD ₅ (mg/L)	20			2.07	4.08	4.87	3.5	3.11	2.22	2.46				

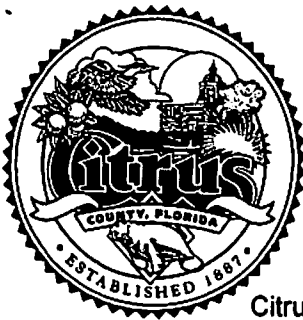
PARAMETERS	Permit Limits	Effluent 1/21/2004	Effluent 2/18/2004	Effluent 3/17/2004	Effluent 4/21/2004	Effluent 5/19/2004	Effluent 6/16/2004	Effluent 7/14/2004	Effluent 8/18/2004	Effluent 9/15/2004	Effluent	Effluent	Effluent	
Field Measurements		4/16/2004	4/16/2004	4/16/2004	7/15/2004	7/15/2004	7/15/2004	10/15/2004	10/15/2004	10/15/2004				Date Sampled
pH (Std. Units)	6 - 8.5				7.9	8.2	8	8	8.2	7.9				Data Received
Inorganics														
Nitrate (mg/L)	10		1.2	6.8	7.8	0.94	2.1	0.46	2.1	0.56				
Total Suspended Solids (mg/L)	20		1.5	<1	17.5	8.5	19.5	1.5	<1	<1				
CBOD ₅ (mg/L)	20		4.92	1.74	6.28	3.98	5.34	7.2	2.76	3.13				

PARAMETERS	Permit Limits	Effluent 1/28/2004	Effluent 2/25/2004	Effluent 3/24/2004	Effluent 4/28/2004	Effluent 5/26/2004	Effluent 6/23/2004	Effluent 7/21/2004	Effluent 8/25/2004	Effluent 9/22/2004	Effluent	Effluent	Effluent	
Field Measurements		4/16/2004	4/16/2004	4/16/2004	7/15/2004	7/15/2004	7/15/2004	10/15/2004	10/15/2004	10/15/2004				Date Sampled
pH (Std. Units)	6 - 8.5				7.7	8.2	8.3	8.2	8.4	7.9				Data Received
Inorganics														
Nitrate (mg/L)	10		2.2	5	1.8	0.9	1	0.33	2.4	0.4				
Total Suspended Solids (mg/L)	20		2.5	<1	5.5	8.5	7	1.5	2	3				
CBOD ₅ (mg/L)	20		2.21	1.63	3.31	5.65	1.93	2.16	1.92	5.95				

PARAMETERS	Permit Limits	Effluent	Effluent	Effluent 3/31/2004	Effluent	Effluent	Effluent	Effluent 7/28/2004	Effluent	Effluent 9/29/2004	Effluent	Effluent	Effluent	
Field Measurements				4/16/2004				10/15/2004		10/15/2004				Date Sampled
pH (Std. Units)	6 - 8.5							7.7		8				Data Received
Inorganics														
Nitrate (mg/L)	10			6.8				2.4		0.41				
Total Suspended Solids (mg/L)	20			5.5				2.5		<1				
CBOD ₅ (mg/L)	20			2.73				2.07		1.78				

NOTES:

* Leachate Plant offline for refurbishing from 10/7/03 to 2/18/04



Board of County Commissioners
DEPARTMENT OF PUBLIC WORKS
SOLID WASTE MANAGEMENT DIVISION

P.O. Box 340, Lecanto, Florida 34460

Telephone: (352) 527-7670 FAX: (352) 527-7672

email: landfillinfo@bocc.citrus.fl.us

TDD Telephone 527-5214

Citrus Springs/Dunnellon/Ingles/Yankeetown area Toll Free (352) 489-2120

21375
LR

October 13, 2004

Mr. John Morris
Environmental Specialist III
Dept. Of Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619-8318

**RE: WEEKLY LEACHATE MONITORING REPORT FOR CITRUS COUNTY CENTRAL
LANDFILL 60 AND 80 ACRE SITES - PERMIT NO. 21375-003-SO**

Dear Mr. Morris:

Enclosed please find the following leachate monitoring results for the Citrus County Central Landfill site, together with the Operator's monthly reports covering the quarterly period July through September 2004:

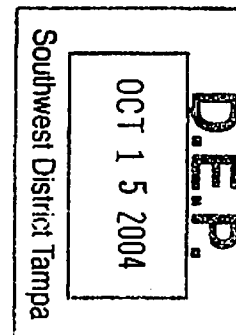
- 1) **Weekly effluent analytical results:** There were no exceedences of permit limits for this time period.
- 2) **Annual Leachate Influent, Annual Leachate Effluent / Quarterly and Annual Waste Sludge results:** Forwarded by Jones, Edmunds and Associates under separate cover letter.

Should further information or clarification be necessary, please do not hesitate to contact me.

Sincerely,

Susan J. Metcalfe
Director, Division of
Solid Waste Management

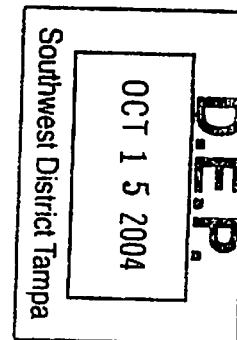
CC: Tom Dick, Assistant Director, Dept. Public Works w/o attachments
Susan Pelz, Department of Environmental Protection w/xls.sheet



**CITRUS COUNTY CENTRAL LANDFILL
WEEKLY LEACHATE MONITORING**

SAC Laboratories Results	MAXIMUM CONTAMINANT LEVEL BY PERMIT				
	20	10	20		
	CBOD		SUSPENDED		
DATE	< 5 day	MG/L < NITRATE	MG/L <	SOLIDS	MG/L
7/7/04	3.11	1.1			8.0
7/14/04	7.2	0.46			1.5
7/21/04	2.16	0.33			1.5
7/28/04	2.07	2.4			2.5
8/4/04	2.96	0.45			1.0
8/11/04	2.22	0.21	<		1.0
8/18/04	2.76	2.1	<		1.0
8/25/04	1.92	2.4			2.0
9/1/04	NA	3.4	<		1.0
9/8/04	2.46	0.68	<		1.0
9/15/04	3.13	0.56	<		1.0
9/22/04	5.95	0.4			3.0
9/29/04	1.78	0.41	<		1.0
NA= No result due to Hurricane Frances					

cjw



CITRUS COUNTY CENTRAL LANDFILL

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A
 WHEN COMPLETED MAIL THIS REPORT TO: DEPARTMENT OF ENVIRONMENTAL PROTECTION SOUTHWEST DISTRICT
 Solid Waste Section, 3804 Coconut Palm Drive Tampa, FL 33619-8218

PERMITTEE NAME: Citrus County Board Of County Commissioners
 MAILING ADDRESS: P.O. Box 340
 Lecanto, FL 34460

PERMIT NUMBER: 21375-003-SO
 WACS FACILITY ID NUMBER: SWD/09/039859
 TEST SITE ID NUMBER: WACS 175
 MONITORING PERIOD:

FACILITY: Central Landfill Leachate Plant
 LOCATION: 230 W. Gulf to Lake Hwy
 Lecanto, FL 34461
 COUNTY: Citrus

From: 7/1
 CLASS SIZE: 1-C
 REPORT: Quarterly
 GROUP: Solid Waste

To: 07/31/2004

Please read instructions before completing this form.

Parameter		Quantity or Loading			Quality or Concentration				No. Ex	Frequency of Analysis	Sample Type
		Avg.	Max.	Units	Min.	Avg.	Max.	Units			
Flow, in conduit or thru treatment plant	Sample Measurement	0.008		MGD							
PARM Code 50053	Permit Requirement	Report Max. AVG.	138 (3) Month Rolling Average	MGD						Daily	Metered
C OD, 5 day 20 degree C	Sample Measurement					4.0		mg/L			
PARM Code 80082	Permit Requirement					10 (Max. Avg.)		mg/L		Weekly	Grab
Total Suspended Solids	Sample Measurement					6.9		mg/L			
PARM Code 900201	Permit Requirement					10 (Max. Avg.)		mg/L		Weekly	Grab
Nitrate (as N)	Sample Measurement						2.1	mg/L			
PARM Code 071850	Permit Requirement					10.0 (Max. Avg.)		mg/L		Weekly	Grab
pH	Sample Measurement				7.7		8.4	S.U.			
PARM Code 00400	Permit Requirement				6.5 Min.		8.5 Max.	S.U.		Daily	Grab

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

Name/Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Telephone No. (Include area code)	Date (yy/mm/dd)
Gary Loggins Utility Operator III C/13047	<i>Gary Loggins</i>	(352)527-7670	10-6-04

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):
 * Rolling Annual Average is the average of the current month's average and the preceding 11 monthly averages.

A-1

DAILY SAMPLE RESULTS - PART B

Three-month Average Daily Flow:	0.003
Daily Flow % of Permitted Capacity:	28.2%

[illegible]

PLANT STAFFING:					
Day Shift Operator	Class:	C	Certificate No.:		Name: Gerald Nussman
Evening Shift Operator	Class:		Certificate No.:		Name:
Night Shift Operator	Class:		Certificate No.:		Name:
Lead Operator	Class:	C	Certificate No.:	13047	Name: Gary Loggins

Type of Effluent Disposal or Reclaimed Water Reuse:

Limited Wet Weather Discharge Activated :

No:

Perc. Poed
Yes:

Not applicable: ☒ X

* Attach additional sheets if necessary to list all certified operators.

CITRUS COUNTY CENTRAL LANDFILL

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A
 WHEN COMPLETED MAIL THIS REPORT TO: DEPARTMENT OF ENVIRONMENTAL PROTECTION SOUTHWEST DISTRICT
 Solid Waste Section, 3804 Coconut Palm Drive Tampa, FL 33619-8218

PERMITTEE NAME: Citrus County Board Of County Commissioners
 MAILING ADDRESS: P.O. Box 340
 Lecanto, FL 34460

PERMIT NUMBER: 21375-003-SO
 WACS FACILITY ID NUMBER: SWD09/039839
 TEST SITE ID NUMBER: WACS 175
 MONITORING PERIOD:

FACILITY: Central Landfill Leachate Plant
 LOCATION: 230 W. Gulf to Lake Hwy
 Lecanto, FL 34461
 COUNTY: Citrus

From: 8/1
 CLASS SIZE: I-C
 REPORT: Quarterly
 GROUP: Solid Waste

To: 08/31/2004

Please read instructions before completing this form.

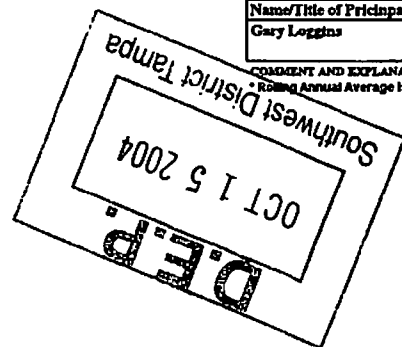
Parameter		Quantity or Loading			Quality or Concentration			No. Ex	Frequency of Analysis	Sample Type
		Avg.	Max.	Units	Min.	Avg.	Max.			
Flow, to conduit or thru treatment plant	Sample Measurement	0.018		MGD						
PARM Code 50053	Permit Requirement	Report Non-Avg.	0.16 (3) Month Rolling Average	MGD					Daily	Measured
C OD, 5 day 20 degree C	Sample Measurement					2.5				
PARM Code 80082	Permit Requirement					20 (Mo. Avg.)			Weekly	Grab
Total Suspended Solids	Sample Measurement					1.5				
PARM Code 900201	Permit Requirement					20 (Mo. Avg.)			Weekly	Grab
Nitrate (as N)	Sample Measurement						1.3			
PARM Code 071850	Permit Requirement					10.0 (Mo. Avg.)			Weekly	Grab
pH	Sample Measurement				7.7		8.4			
PARM Code 00400	Permit Requirement				6.5 Min.		8.5 Max.		Daily	Grab

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

Name/Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Telephone No. (include area code)	Date (yy/mm/dd)
Gary Loggins Utility Operator III C/13047	<i>Gary Loggins</i>	(352)527-7670	10-6-04

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):
 * Rolling Annual Average is the average of the current month's average and the preceding 11 monthly averages.

A-1



DAILY SAMPLE RESULTS - PART B

Month/Year: 8/04

PLANT STAFFING:	Day Shift Operator	Class:	C	Certificate No.:		Name:	Gerald Nushbaum
	Evening Shift Operator	Class:		Certificate No.:		Name:	
	Night Shift Operator	Class:		Certificate No.:		Name:	
	Lead Operator	Class:	C	Certificate No.:	13047	Name:	Gary Loggins
	Type of Effluent Disposal or Reclaimed Water Reuse:	Perf.	Partial				
Limited Wet Weather Discharge Activated:	No:	Yes:		Not applicable:	X		
* Attach additional sheets if necessary to list all certified operators.							

CITRUS COUNTY CENTRAL LANDFILL

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A
 WHEN COMPLETED MAIL THIS REPORT TO: DEPARTMENT OF ENVIRONMENTAL PROTECTION SOUTHWEST DISTRICT
 Solid Waste Section, 3804 Coconut Palm Drive Tampa, FL 33619-8218

PERMITTEE NAME: Citrus County Board Of County Commissioners
 MAILING ADDRESS: P.O. Box 340
 Lecanto, FL 34460

PERMIT NUMBER: 21375-003-SO
 WACS FACILITY ID NUMBER: SWD/09/039859
 TEST SITE ID NUMBER: WACS 175
 MONITORING PERIOD:

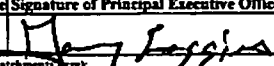
FACILITY: Central Landfill Leachate Plant
 LOCATION: 230 W. Gulf to Lake Hwy
 Lecanto, FL 34461
 COUNTY: Citrus

From: 9/1 To: 09/30/2004
 CLASS SIZE: 1-C
 REPORT: Quarterly
 GROUP: Solid Waste

Please read instructions before completing this form.

Parameter		Quantity or Loading			Quality or Concentration				No. Ex	Frequency of Analysis	Sample Type
		Avg.	Max.	Units	Min.	Avg.	Max.	Units			
Flow, in conduit or thru treatment plant	Sample Measurement	0.012		MGD							
PARM Code 50053	Permit Requirement	Report Mon. AVG.	1030 (5) Month Rolling Average	MGD						Daily	Metered
COD, 5 day 20 degree C	Sample Measurement					3.3		mg/L			
PARM Code 80082	Permit Requirement					20 (Min. Avg.)		mg/L		Weekly	Grab
Total Suspended Solids	Sample Measurement					3.0		mg/L			
PARM Code 900201	Permit Requirement					20 (Min. Avg.)		mg/L		Weekly	Grab
Nitrate (as N)	Sample Measurement						1.1	mg/L			
PARM Code 071850	Permit Requirement					10.0 (Min. Avg.)		mg/L		Weekly	Grab
pH	Sample Measurement				7.7		8.3	S.U.			
PARM Code 00400	Permit Requirement				6.5 Min.		8.5 Max.	S.U.		Daily	Grab

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

Name/Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Telephone No. (include area code)	Date (yy/mm/dd)
Gary Loggins Utility Operator III C/13847		(352)527-7670	10/13/04

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

* Rolling Annual Average is the average of the current month's average and the preceding 11 monthly averages.

A-1

CITRUS COUNTY CENTRAL LANDFILL

DAILY SAMPLE RESULTS - PART B

Facility: Central Landfill Leachate Plant
PERMIT NUMBER: 21375-003-SO
Month/Year: 9/04

Three-month Average Daily Flow:	0.012
Daily Flow % of Permitted Capacity:	39.0%

[illegible]**PLANT STAFFING:**

Day Shift Operator
Evening Shift Operator
Night Shift Operator
Lead Operator

Class: C
Class:
Class:
Class: C

Certificate No.: 13667
Certificate No.:
Certificate No.:
Certificate No.: 13047

Name: Gerald Nussbaum
Name:
Name:
Name: Gary Lowmyer

Type of Effluent Disposal or Reclaimed Water Reuse:

Limited Wet Weather Discharge Activated :

No:

Perz. Pond

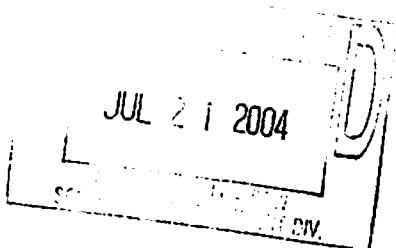
Not applicable: ☒ X

* Attach additional sheets if necessary to list all certified operators.

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

Client CITRUS COUNTY UTILITIES **Sample Number** E041371
Project LEACHATE PLANT **Date/Time Sampled** 7/7/04 1000 HRS
Sample Description WWTP/EFF **Date/Time Received** 7/7/04 1045 HRS
PO NO 53039 **Invoice Number** 6742

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	3.11	0.3 mg/L	LP	7/7/04 1300 HRS
SM2540-D	TSS	mg/L	8.0	1.0 mg/L	LP	7/8/04 1430 HRS
SM4500-NO3-E	NITRATE	mg/L	1.1	0.10 mg/L	CK	7/7/04 1105 HRS



Sally Ann Cantello
Laboratory Manager

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

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

Client CITRUS COUNTY UTILITIES **Sample Number** E041407
Project LEACHATE LANDFILL **Date/Time Sampled** 7/14/04 0900 HRS
Project No 53039 **Date/Time Received** 7/14/04 1213 HRS
Sample Description WWTP/INF **Invoice Number** 6742

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	259.0	0.3 mg/L	LP	7/14/04 1300 HRS
SM2540-D	TSS	mg/L	39.0	1.0 mg/L	LP	7/15/04 1630 HRS

Sample Description WWTP/EFF **Date/Time Sampled** 7/14/04 0915 HRS
Date/Time Received 7/14/04 1213 HRS

Method	Analytes	Units	Results	% Removal MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	7.20	97.22% 0.3 mg/L	LP	7/14/04 1300 HRS
SM2540-D	TSS	mg/L	1.50	96.15% 1.0 mg/L	LP	7/15/04 1630 HRS
SM4500-NO3-E	NITRATE	mg/L	0.46	0.10 mg/L	CK	7/14/04 1235 HRS

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

Sally Ann Canale
Laboratory Manager

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

Advanced Environmental Laboratories, Inc.
Analytical Report

Client: Sac Environmental Lab
Project Name: Landfill

Report No.: T047742
Date/Time Received: 7/21/04 11:15

Lab Code: T047742-01
Client Sample ID: Influent Port
Site: WWTP
Matrix: Water

Date/Time Sampled: 7/14/04 9:00
Shipping Method: AEL Pick-up
Sampled By: Gerald Nelson
Sampling Method: G

Miscellaneous Analytes

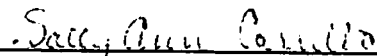
Analytes:	Dilution	Adjusted MDL	Adjusted PQL	Results	Units	Qualifier(s)	Method	Parameter Comment	Lab
Ammonia (as N)	100	2.6	10	81	mg/L		E350.1		T

T DOH certification #E84589 (AEL-Tampa)

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

Client CITRUS COUNTY UTILITIES **Sample Number** E041499
Project LEACHATE PLANT **Date/Time Sampled** 7/21/04 1115 HRS
Sample Description WWTP/EFF **Date/Time Received** 7/21/04 1300 HRS
PO NO 53039 **Invoice Number** 6742

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	2.16	0.3 mg/L	LP	7/21/04 1400 HRS
SM2540-D	TSS	mg/L	1.5	1.0 mg/L	LP	7/22/04 1330 HRS
SM4500-NO3-E	NITRATE	mg/L	0.33	0.10 mg/L	CK	7/22/04 0955 HRS

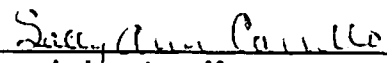

Laboratory Manager

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

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

Client CITRUS COUNTY UTILITIES **Sample Number** E041533
Project LEACHATE PLANT **Date/Time Sampled** 7/28/04 1100 HRS
Sample Description WWTP/EFF **Date/Time Received** 7/28/04 1130 HRS
PO NO 53039 **Invoice Number** 6742

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	2.07	0.3 mg/L	LP	7/28/04 1400 HRS
SM2540-D	TSS	mg/L	2.5	1.0 mg/L	LP	7/29/04 1430 HRS
SM4500-NO3-E	NITRATE	mg/L	2.4	0.10 mg/L	CK	7/28/04 1255 HRS

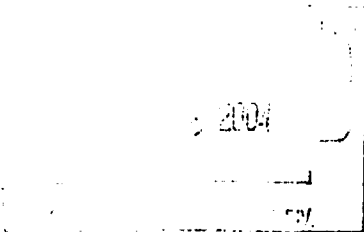

Laboratory Manager

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

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

Client CITRUS COUNTY UTILITIES **Sample Number** E041586
Project LEACHATE PLANT **Date/Time Sampled** 8/4/04 1000 HRS
Sample Description WWTP/EFF **Date/Time Received** 8/4/04 1300 HRS
PO NO 53039 **Invoice Number** 6846

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	2.96	0.3 mg/L	LP	8/4/04 1330 HRS
SM2540-D	TSS	mg/L	1.0	1.0 mg/L	LP	8/7/04 1130 HRS
SM4500-NO3-E	NITRATE	mg/L	0.45	0.10 mg/L	CK	8/5/04 0940 HRS



Sally Ann Canillo
Laboratory Manager

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

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

Client CITRUS COUNTY UTILITIES **Sample Number** E041649
Project LEACHATE PLANT **Date/Time Sampled** 8/11/04 1000 HRS
Sample Description WWTP/EFF **Date/Time Received** 8/11/04 1120 HRS
PO NO 53039 **Invoice Number** 6846

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	2.22	0.3 mg/L	LP	8/11/04 1300 HRS
SM2540-D	TSS	mg/L	<1	1.0 mg/L	LP	8/15/04 1330 HRS
SM4500-NO3-E	NITRATE	mg/L	0.21	0.10 mg/L	CK	8/11/04 1130 HRS

AUG 19 2004

Sally Ann Cantello
Laboratory Manager

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

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

Client	CITRUS COUNTY UTILITIES	Sample Number	E041705
Project	LEACHATE LANDFILL	Date/Time Sampled	8/18/04 0930 HRS
Project No	53039	Date/Time Received	8/18/04 1145 HRS
Sample Description	WWTP/INF	Invoice Number	6846

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	153.0	0.3 mg/L	LP	8/18/04 1500 HRS
SM2540-D	TSS	mg/L	33.0	1.0 mg/L	LP	8/19/04 1700 HRS

Sample Description	WWTP/EFF	Date/Time Sampled	8/18/04 0930 HRS
		Date/Time Received	8/18/04 1145 HRS

Method	Analytes	Units	Results	% Removal MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	2.76	98.20% 0.3 mg/L	LP	8/18/04 1500 HRS
SM2540-D	TSS	mg/L	<1	100% 1.0 mg/L	LP	8/19/04 1700 HRS
SM4500-NO3-E	NITRATE	mg/L	2.1	0.10 mg/L	CK	8/18/04 1345 HRS

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

Sara Ann Carillo
Laboratory Manager

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

Advanced Environmental Laboratories, Inc.
Analytical Report

Client: Sac Environmental Lab
Project Name: Citrus County Utilities

Report No.: T049030

Date/Time Received: 8/20/04 11:05

Lab Code: T049030-01

Client Sample ID: Influent

Site: WWTP

Matrix: Water

Date/Time Sampled: 8/18/04 9:38

Shipping Method: AEL Pick-up

Sampled By: Gary Loggins

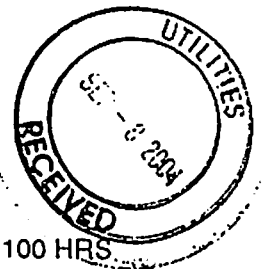
Sampling Method: G

Miscellaneous Analytes

Analytes:	Dilution	Adjusted MDL	Adjusted PQL	Results	Units	Qualifier(s)	Method	Parameter Comment	Lab
Ammonia (as N)	200	5.1	20	89	mg/L		E350.1		T

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

SUNCOAST ENVIRONMENTAL LABORATORY INC
DOH CERTIFICATION #84492
ANALYTICAL REPORT



Client CITRUS COUNTY UTILITIES Sample Number E041751
Project LEACHATE PLANT Date/Time Sampled 8/25/04 1100 HRS
Sample Description WWTP/EFF Date/Time Received 8/25/04 1120 HRS
PO NO 53039 Invoice Number 6846

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	1.92	0.3 mg/L	LP	8/25/04 1230 HRS
SM2540-D	TSS	mg/L	2.0	1.0 mg/L	LP	8/25/04 1100 HRS
SM4500-NO3-E	NITRATE	mg/L	2.4	0.10 mg/L	CK	8/25/04 1300 HRS

Sally Ann Cuiello
Laboratory Manager

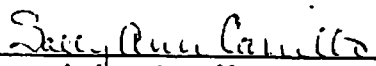
For all Results qualified with an I, the PQL is defined to be 4 times the MDL

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

Client CITRUS COUNTY UTILITIES **Sample Number** E041782
Project LEACHATE PLANT **Date/Time Sampled** 9/1/04 1000 HRS
Sample Description WWTP/EFF **Date/Time Received** 9/1/04 1110 HRS
PO NO 53039 **Invoice Number** 6907

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	N/A	0.3 mg/L	LP	9/04 0000 HRS
SM2540-D	TSS	mg/L	<1	1.0 mg/L	LP	9/2/04 1330 HRS
SM4500-NO3-E	NITRATE	mg/L	3.4	0.10 mg/L	CK	9/2/04 0845 HRS

N/A - NO RESULT DUE TO HURRICANE FRANCES


Laboratory Manager

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

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

Client CITRUS COUNTY UTILITIES **Sample Number** E041822
Project LEACHATE PLANT **Date/Time Sampled** 9/9/04 1000 HRS
Sample Description WWTP/EFF **Date/Time Received** 9/9/04 1255 HRS
PO NO 53039 **Invoice Number** 6907

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	2.46	0.3 mg/L	LP	9/10/04 1100 HRS
SM2540-D	TSS	mg/L	<1	1.0 mg/L	LP	9/11/04 0900 HRS
SM4500-NO3-E	NITRATE	mg/L	0.68	0.10 mg/L	CK	9/9/04 1300 HRS

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1 - 11

SEP 27 2004

11

Susan Ann Cavillo
Laboratory Manager

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

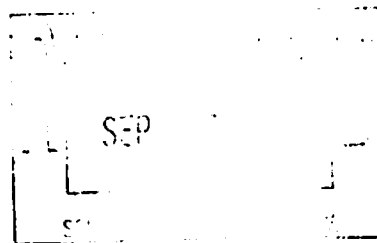
S.A.C. ENVIRONMENTAL LABORATORY INC
DOH CERTIFICATION #84492
ANALYTICAL REPORT

Client	CITRUS COUNTY UTILITIES	Sample Number	E041849
Project	LEACHATE LANDFILL	Date/Time Sampled	9/15/04 1000 HRS
Project No	53039	Date/Time Received	9/15/04 1110 HRS
Sample Description	WWTP/INF	Invoice Number	6907

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	176	0.3 mg/L	LP	9/15/04 1200 HRS
SM2540-D	TSS	mg/L	20.5	1.0 mg/L	LP	9/17/04 0900 HRS

				Date/Time Sampled	9/15/04	1000 HRS
				Date/Time Received	9/15/04	1110 HRS
Sample Description	WWTP/EFF					
Method	Analytes	Units	Results	% Removal MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	3.13	98.22% 0.3 mg/L	LP	9/15/04 1200 HRS
SM2540-D	TSS	mg/L	<1	100% 1.0 mg/L	LP	9/17/04 0900 HRS
SM4500-NO3-E	NITRATE	mg/L	0.56	0.10 mg/L	CK	8/18/04 1345 HRS

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



Sally Ann Smith
Laboratory Manager

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

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

Client CITRUS COUNTY UTILITIES **Sample Number** E041930
Project LEACHATE PLANT **Date/Time Sampled** 9/22/04 1230 HRS
Sample Description WWTP/EFF **Date/Time Received** 9/22/04 1300 HRS
PO NO 53039 **Invoice Number** 6907

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	5.95	0.3 mg/L	LP	9/23/04 1200 HRS
SM2540-D	TSS	mg/L	3.0	1.0 mg/L	LP	9/24/04 0900 HRS
SM4500-NO3-E	NITRATE	mg/L	0.40	0.10 mg/L	CK	9/22/04 1315 HRS


Laboratory Manager

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

5376 S SUNCOAST BOULEVARD HOMOSASSA FL 34446 352.621.3513 FAX 352.621.3514

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

Client	CITRUS COUNTY UTILITIES	Sample Number	E041964
Project	LEACHATE PLANT	Date/Time Sampled	9/29/04 1053 HRS
Sample Description	WWTP/EFF	Date/Time Received	9/29/04 1110 HRS
PO NO	53039	Invoice Number	6907

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	1.78	0.3 mg/L	LP	9/30/04 1000 HRS
SM2540-D	TSS	mg/L	<1	1.0 mg/L	LP	10/1/04 0900 HRS
SM4500-NO3-E	NITRATE	mg/L	0.41	0.10 mg/L	CK	9/29/04 1315 HRS

Sally Ann Casillo
Laboratory Manager

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

5376 S SUNCOAST BOULEVARD HOMOSASSA FL 34446 352.621.3513 FAX 352.621.3514

Analytical Results Summary for Leachate Samples Collected at Class I/III/C&D Landfills

Facility Name -- Citrus Central Class I Landfill
Analytical Laboratory -- ENCO Labs

County -- Citrus
Approval of Sampling QA Plan -- Y

Sampling Frequency -- semi-annually
Approval of Analytical QA Plan -- Y

PARAMETERS	Ground Water Standard	TCLP Regulatory Level	Leachate Sample Identification Number								Date Sampled
			Influent	Influent	Influent	Influent	Influent	Influent	Influent	Influent	
			7/22/2004								
			10/6/2004								Data Received
Field Measurements											Notes
pH (Std. Units)	6.5 - 8.5	2-12.5	7.23								
Dissolved Oxygen (mg/L)	NE	NE	2.49								
Conductivity (µmhos/cm)	NE	NE	10203								
Metals/Semimetals											
Antimony (mg/L)	0.006	NE	<0.005								
Arsenic (mg/L)	0.05	5	0.06								
Barium (mg/L)	2	100	<0.1								
Cadmium (mg/L)	0.005	1	<0.001								
Chromium (mg/L)	0.1	5	<0.01								
Copper (mg/L)	1	NE	<0.05								
Iron (mg/L)	0.3	NE	5.8								
Lead (mg/L)	0.015	5	<0.01								
Mercury (mg/L)	0.002	0.2	<0.0002								
Nickel (mg/L)	0.1	NE	0.066								
Selenium (mg/L)	0.05	1	<0.01								
Silver (mg/L)	0.1	5	<0.01								
Sodium (mg/L)	160	NE	500								
Thallium (mg/L)	0.002	NE	<0.002								
Vanadium (mg/L)	0.049*	NE	<0.01								
Zinc (mg/L)	5	NE	<0.1								
Inorganics											
Bicarbonate (mg/L)	NE	NE	250								
Chlorides (mg/L)	250	NE	1200								
Nitrate (mg/L)	10	NE	<1								
Total ammonia (mg/L)	NE	NE	12								
Total Dissolved Solids (mg/L)	500	NE	3300								
Organics											
Benzene (µg/L)	1	500	1.6								
Chlorobenzene (µg/L)	100	100000	3.3								
Chrysene (µg/L)	5*	NE	<100								MDL>MCL
2,4 D (µg/L)	70	10000	<50								
1,2-dichlorobenzene (µg/L)	600	NE	<1								
1,4-dichlorobenzene (µg/L)	75	7500	13								
1,2-dichloroethane (µg/L)	3	500	<1								
1,1-dichloroethene (µg/L)	7	700	<2								
cis 1,2-dichloroethene (µg/L)	70	NE	<1								
Ethylbenzene (µg/L)	700	NE	45								
Methylene chloride (µg/L)	5	NE	<5								
MEK (µg/L)	4200	200000	87								
Naphthalene (µg/L)	6.8*	NE	24								
N-nitrosodiphenylamine (µg/L)	7*	NE	<100								MDL>MCL
Tetrachloroethene (µg/L)	3	700	<2								
Toluene (µg/L)	40	NE	3								
o-Toluidine (µg/L)	50	NE	<100								MDL>MCL
Vinyl Chloride (µg/L)	1	200	<1								
Xylenes (µg/L)	20	NE	17.4								
Appendix II parameters?	---	---	Yes								

NA = not analyzed

NS = not sampled

NE = not established

= parameter concentration exceeds ground water

= parameter concentration exceeds hazardous reg

Analytical Results Summary for Leachate Samples Collected at Class I/III/C&D Landfills

Facility Name -- Citrus Central Class I Landfill
Analytical Laboratory -- Advanced Env. Laboratories, Inc.
Enco Labs 8/6/03

County -- Citrus
Approval of Sampling QA Plan -- Y

Sampling Frequency -- annually
Approval of Analytical QA Plan -- Y

PARAMETERS	Ground Water Standard	TCLP Regulatory Level	Leachate Sample Identification Number										Date Sampled
			Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent			
			7/18/2001	7/10/2002	8/6/2003	7/22/2004							
			3/8/2002	10/17/2002	10/16/2003	10/6/2004							Data Received
Metals/Semimetals													
Antimony (mg/L)	0.006	NE	<0.006	<0.006	<0.005	<0.005							
Arsenic (mg/L)	0.05	5	<0.01	0.029	0.016	0.031							
Barium (mg/L)	2	100	0.00014	0.079	<0.1	<0.1							
Cadmium (mg/L)	0.005	1	0.000079	<0.005	<0.005	<0.001							
Chromium (mg/L)	0.1	5	<0.01	<0.01	<0.01	<0.01							
Copper (mg/L)	1	NE	0.000013	<0.01	<0.05	<0.05							
Iron (mg/L)	0.3	NE		<0.1	0.17	<0.05							
Lead (mg/L)	0.015	5	0.000032	<0.01	<0.01	<0.01							
Mercury (mg/L)	0.002	0.2	<0.002	<0.002	<0.0002	<0.0002							
Nickel (mg/L)	0.1	NE	0.000059	0.045	0.053	0.037							
Selenium (mg/L)	0.05	1	<0.02	<0.02	<0.01	<0.01							
Silver (mg/L)	0.1	5	<0.02	<0.01	0.012	<0.01							
Thallium (mg/L)	0.002	NE	<0.0002	<0.002	<0.002	<0.002							
Vanadium (mg/L)	0.049*	NE	<0.01	<0.01	0.017	<0.01							
Zinc (mg/L)	5	NE	<0.05	<0.05	<0.1	<0.1							
Organics													
Benzene (µg/L)	1	500	<5	<1	<1	<1							
Chlorobenzene (µg/L)	100	100000	<5	<1	<1	<1							
1,2-dichlorobenzene (µg/L)	600	NE	<5	<1	<1	<1							
1,4-dichlorobenzene (µg/L)	75	7500	<5	<1	<1	<1							
1,2-dichloroethane (µg/L)	3	500	<5	<1	<1	<1							
1,1-dichloroethene (µg/L)	7	700	<5	<1	<2	<2							
Ethylbenzene (µg/L)	700	NE	<5	<1	<1	<1							
Methylene chloride (µg/L)	5	NE	<25	<5	<5	<5							
Tetrachloroethene (µg/L)	3	700	<5	<1	<2	<2							
Toluene (µg/L)	40	NE	<5	<1	<1	<1							
Vinyl Chloride (µg/L)	1	200	<5	<1	<1	<1							
Xylenes (µg/L)	20	NE	<10	<2	<3	<3							

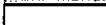
NA = not analyzed

NS = not sampled

NE = not established

Note:

 = parameter concentration exceeds ground water standard

 = parameter concentration exceeds hazardous regulatory level

Analytical Results Summary for Leachate Samples Collected at Class I/III/C&D Landfills

Facility Name -- Citrus Central Class I Landfill
Analytical Laboratory -- Advanced Env. Laboratories, Inc.

County -- Citrus
Approval of Sampling QA Plan -- Y

Sampling Frequency -- quarterly parameters only
Approval of Analytical QA Plan -- Y

PARAMETERS	Ground Water Standard	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Effluent	Date Sampled
		1/22/2002	4/17/2002	7/10/2002	7/31/2002	10/16/2002	1/22/2003	4/15/2003	8/6/2003	10/1/2003	3/22/2004	4/28/2004	7/22/2004	
		4/22/2002	7/15/2002	10/17/2002	10/17/2002	1/15/2003	4/11/2003	7/7/2003	10/16/2003	1/13/2004	4/15/2004	7/14/2004	10/6/2004	Data Received
Metals/Semimetals														
Sodium (mg/L)	160	230	570	710		581	497	650	560	630	500	740	460	
Inorganics														
Chloride (mg/L)	250	370	1000	1100		1040	924	1100	700	1000	1200	1400	870	
Total Dissolved Solids (mg/L)	500	950	2100	2100		1820	2210	1600	1500	2200	2400	2800	1900	
Organics														
Benzene (µg/L)	1	<1	<1	<5		<1	<1	<1	<1	<1	<1	<1	<1	
Ethylbenzene (µg/L)	700	<1	<1	<5		<1	<2	<1	<1	<1	<1	<1	<1	
Ethylene dibromide (µg/L)	0.02	<0.02	<0.02	<0.02		<0.94	<0.15	<0.02	<0.02	<0.02	<0.02	<0.2	<0.02	
Toluene (µg/L)	40	<1	<1	<5		<1	<2	<1	<1	<1	<1	<1	<1	
Total THMs* (µg/L)	100	238	NA	<20	440	NA	87.8	NA	74	NA	14.9	NA	42	
Xylenes (µg/L)	20	<2	<2	<10		<3	<6	<3	<3	<3	<3	<3	<3	

NA = not analyzed

NS = not sampled



Board of County Commissioners
DEPARTMENT OF PUBLIC WORKS
SOLID WASTE MANAGEMENT DIVISION

P.O. Box 340, Lecanto, Florida 34460

Telephone: (352) 527-7670 FAX: (352) 527-7672

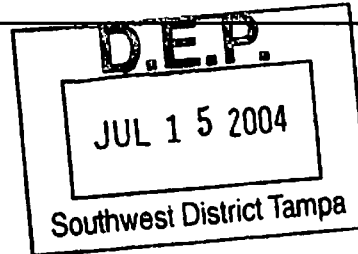
email: landfillinfo@bocc.citrus.fl.us

Citrus Springs/Dunnellon/Inglis/Yankeetown area Toll Free (352) 489-2120

TTY Telephone: (352) 527-0825 or (352) 527-5312

July 13, 2004

Mr. John Morris
 Environmental Specialist III
 Dept. Of Environmental Protection
 3804 Coconut Palm Drive
 Tampa, FL 33619-8318



RE: WEEKLY AND QUARTERLY LEACHATE MONITORING REPORT FOR CITRUS COUNTY CENTRAL LANDFILL 60 AND 80 ACRE SITES - PERMIT NO. 21375-003-SO

Dear Mr. Morris:

Enclosed please find the following leachate monitoring results for the Citrus County Central Landfill site, together with the Operator's monthly reports covering the quarterly period April through June 2004:

- 1) **Weekly effluent analytical results:** 4/7/04 through 6/23/04.
- 2) **Quarterly results:** To be forwarded by Jones, Edmunds and Associates under separate cover letter.

There was one exceedence of permit limits for this time period for Total Suspended Solids on 6/9/04. The plant operator believes this was due to an algae bloom in the chlorine contact chamber. The chlorine contact chamber and digester was cleaned on 6/30/04.

Should further information or clarification be necessary, please do not hesitate to contact me.

Sincerely,

Susan J. Metcalfe
 Director, Division of
 Solid Waste Management

CC: Tom Dick, Assistant Director, Dept. Public Works w/o attachments
 Susan Pelz, Department of Environmental Protection w/xls.sheet

**CITRUS COUNTY CENTRAL LANDFILL
WEEKLY LEACHATE MONITORING**

SAC Laboratories Results		MAXIMUM CONTAMINANT LEVEL BY PERMIT					
		20 CBOD		10		20 SUSPENDED	
DATE		< 5 day	MG/L	< NITRATE	MG/L	< SOLIDS	MG/L
4/7/04		2.53		3.3		10.0	
4/14/04		4.08		4.3		5.5	
4/21/04		6.28		7.8		17.5	
4/28/04		3.31		1.8		5.5	
5/5/04		4.04		0.35		10.0	
5/12/04		4.87		1.7		3.0	
5/19/04		3.98		0.94		8.5	
5/26/04							
6/2/04		3.41		0.63		8.5	
6/9/04		3.5		3.5		22.5	
6/16/04		5.34		2.1		19.5	
6/23/04		1.93		1.0		7.0	

cjw

CITRUS COUNTY CENTRAL LANDFILL

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A
 WHEN COMPLETED MAIL THIS REPORT TO: DEPARTMENT OF ENVIRONMENTAL PROTECTION SOUTHWEST DISTRICT
 Solid Waste Section, 3804 Coconut Palm Drive Tampa, FL 33619-8218

PERMITTEE NAME: Citrus County Board Of County Commissioners
 MAILING ADDRESS: P.O. Box 340
 Lecanto, FL 34460

PERMIT NUMBER: 21375-003-SO
 WACS FACILITY ID NUMBER: SWD/09/039859
 TEST SITE ID NUMBER: WACS 175
 MONITORING PERIOD:

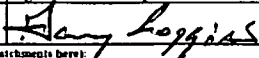
FACILITY: Central Landfill Leachate Plant
 LOCATION: 230 W. Gulf to Lake Hwy
 Lecanto, FL 34461
 COUNTY: Citrus

From: 4/1 To: 04/30/2004
 CLASS SIZE: 1-C
 REPORT: Quarterly
 GROUP: Solid Waste

Please read instructions before completing this form.

Parameter		Quantity or Loading			Quality or Concentration				No. Ex	Frequency of Analysis	Sample Type
		Avg.	Max.	Units	Min.	Avg.	Max.	Units			
Flow, in conduit or thru treatment plant	Sample Measurement	0.008		MGD							
PARM Code 50053	Permit Requirement	Report Mon AVG.	.030 (3) Month Rolling Average	MGD						Daily	Metered
CROD, 5 day 20 degree C	Sample Measurement					4.1		mg/L			
PARM Code 80082	Permit Requirement					20 (Mo. Avg.)		mg/L		Weekly	Grab
Total Suspended Solids	Sample Measurement					9.6		mg/L			
PARM Code 900201	Permit Requirement					20 (Mo. Avg.)		mg/L		Weekly	Grab
Nitrate (as N)	Sample Measurement						4.3	mg/L			
PARM Code 071850	Permit Requirement					10.0 (Mo. Avg.)		mg/L		Weekly	Grab
pH	Sample Measurement				7.6		8.4	S.U.			
PARM Code 00400	Permit Requirement				6.5 Min.		8.5 Max.	S.U.		Daily	Grab

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

Name/Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Telephone No. (include area code)	Date (yy/mm/dd)
Gary Loggins Utility Operator III C/13047		(352)527-7670	06/22/04

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):
 * Rolling Annual Average is the average of the current month's average and the preceding 11 monthly averages.

A-1

DAILY SAMPLE RESULTS - PART B

Three-month Average Daily Flow:	0.020
Daily Flow % of Permitted Capacity:	25.1%

PLANT STAFFING:						
Day Shift Operator	Class:	C	Certificate No.:	13667	Name:	Gerald Nusbaum
Evening Shift Operator	Class:		Certificate No.:		Name:	
Night Shift Operator	Class:		Certificate No.:		Name:	
Lead Operator	Class:	C	Certificate No.:	13017	Name:	Gary Loggins

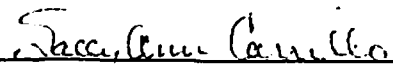
Not applicable: **X**

3
06/21/2004

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

Client	CITRUS COUNTY UTILITIES	Sample Number	E040887
Project	LEACHATE PLANT	Date/Time Sampled	4/28/04 1045 HRS
Sample Description	WWTP/EFF	Date/Time Received	4/28/04 1215 HRS
PO NO	53039	Invoice Number	6515

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	3.31	0.3 mg/L	LP	4/28/04 1445 HRS
SM2540-D	TSS	mg/L	5.50	1.0 mg/L	LP	4/30/04 1300 HRS
SM4500-NO3-E	NITRATE	mg/L	1.8	0.10 mg/L	CK	4/28/04 1230 HRS


Laboratory Manager

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

Advanced Environmental Laboratories, Inc.
Analytical Report

Client: Sac Environmental Lab
Project Name: Landfill

Report No.: T043904

Date/Time Received: 4/21/04 11:25

Lab Code: T043904-01
Client Sample ID: Effluent
Site: WWTP
Matrix: Water

Date/Time Sampled: 4/14/2004 10:30

Sample Type:

Sampled By: Gerald Nuelan

Sampling Method: G

Shipping Method: AEL

Miscellaneous Analytes

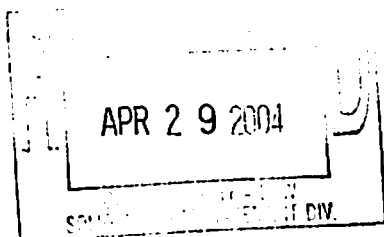
Analytes:	Dilution	Adjusted MDL	Adjusted PQL	Results	Units	Qualifier(s)	Method	Parameter Comment	Lab
Ammonia (as N)	200	5.1	20	300	mg/L		E350.1		T

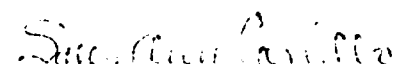
DOH certification #E84589 (AEL-Tampa)

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

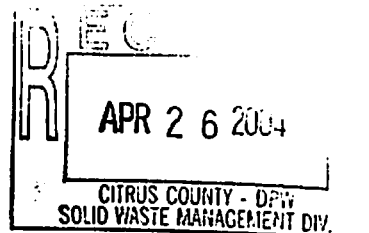
Client CITRUS COUNTY UTILITIES **Sample Number** E040853
Project LEACHATE PLANT **Date/Time Sampled** 4/21/04 1130 HRS
Sample Description WWTP/EFF **Date/Time Received** 4/21/04 1320 HRS
PO NO 53039 **Invoice Number** 6515

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	6.28	0.5 mg/L	LP	4/21/04 1400 HRS
SM2540-D	TSS	mg/L	17.50	1.0 mg/L	LP	4/22/04 1230 HRS
SM4500-NO3-E	NITRATE	mg/L	7.8	0.10 mg/L	CK	4/21/04 1340 HRS




Laboratory Manager

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



Client	CITRUS COUNTY UTILITIES	Sample Number	E040782
Project	LEACHATE LANDFILL	Date/Time Sampled	4/14/04 1030 HRS
Project No	53039	Date/Time Received	4/14/04 1110 HRS
Sample Description	WWTP/INF	Invoice Number	6515

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	127.0	0.5 mg/L	LP	4/14/04 1230 HRS
SM2540-D	TSS	mg/L	35.0	1.0 mg/L	LP	4/16/04 1200 HRS

Sample Description	WWTP/EFF	Date/Time Sampled	4/14/04 1030 HRS
		Date/Time Received	4/14/04 1110 HRS

Method	Analytes	Units	Results	% Removal MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	4.08	96.79% 0.5 mg/L	LP	4/14/04 1230 HRS
SM2540-D	TSS	mg/L	5.5	84.29% 1.0 mg/L	LP	4/16/04 1200 HRS
SM4500-NO3-E	NITRATE	mg/L	4.3	0.10 mg/L	CK	4/14/04 1345 HRS

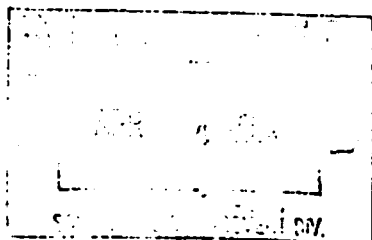
AMMONIA
SUB TO
ADVANCED ENVIRONMENTAL LABORATORIES
DHRS CERT IFICATION #E84589/E82574

Sally Ann Carrillo
Laboratory Manager

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

Client CITRUS COUNTY UTILITIES **Sample Number** E040708
Project LEACHATE PLANT **Date/Time Sampled** 4/7/04 1015 HRS
Sample Description WWTP/EFF **Date/Time Received** 4/7/04 1045 HRS
PO NO 53039 **Invoice Number** 6514

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	2.53	0.5 mg/L	LP	4/7/04 1515 HRS
SM2540-D	TSS	mg/L	10.0	1.0 mg/L	LP	4/10/04 1100 HRS
SM4500-NO3-E	NITRATE	mg/L	3.3	0.10 mg/L	CK	4/7/04 1300 HRS



Sally Ann Casillo
Laboratory Manager

CITRUS COUNTY CENTRAL LANDFILL

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A
 WHEN COMPLETED MAIL THIS REPORT TO: DEPARTMENT OF ENVIRONMENTAL PROTECTION SOUTHWEST DISTRICT
 Solid Waste Section, 3804 Coconut Palm Drive Tampa, FL 33619-8218

PERMITTEE NAME: Citrus County Board Of County Commissioners
 MAILING ADDRESS: P.O. Box 340
 Lecanto, FL 34460

PERMIT NUMBER: 21375-003-SO
 WACS FACILITY ID NUMBER: SWD/09/039859
 TEST SITE ID NUMBER: WACS 175
 MONITORING PERIOD:

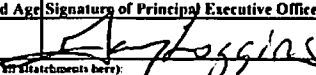
FACILITY: Central Landfill Leachate Plant
 LOCATION: 230 W. Gulf to Lake Hwy
 Lecanto, FL 34461
 COUNTY: Citrus

From: 5/1 To: 05/31/2004
 CLASS SIZE: 1-C
 REPORT: Quarterly
 GROUP: Solid Waste

Please read instructions before completing this form.

Parameter		Quantity or Loading			Quality or Concentration				No. Ex	Frequency of Analysis	Sample Type
		Avg.	Max.	Units	Min.	Avg.	Max.	Units			
Flow, in conduit or thru treatment plant	Sample Measurement	0.005		MGD							
PARM Code 50053	Permit Requirement	Report Mon. AVG.	.030 (3) Month Rolling Average	MGD						Daily	Metered
CROD, 5 day 20 degree C	Sample Measurement					4.6		mg/L			
PARM Code 80082	Permit Requirement					20 (Mo. Avg.)		mg/L		Weekly	Grab
Total Suspended Solids	Sample Measurement					7.5		mg/L			
PARM Code 900201	Permit Requirement					20 (Mo. Avg.)		mg/L		Weekly	Grab
Nitrate (as N)	Sample Measurement						1.0	mg/L			
PARM Code 071850	Permit Requirement					10.0 (Mo. Avg.)		mg/L		Weekly	Grab
pH	Sample Measurement				8.0		8.5	S.U.			
PARM Code 00400	Permit Requirement				6.5 Min.		8.5 Max.	S.U.		Daily	Grab

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

Name/Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Telephone No. (include area code)	Date (yy/mm/dd)
Gary Loggins Utility Operator III C/13047		(352)527-7670	06/22/04

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference to attachments here):

* Rolling Annual Average is the average of the current month's average and the preceding 11 monthly averages.

A-1

DAILY SAMPLE RESULTS - PART B

Three-month Average Daily Flow:	0.016
Daily Flow % of Permitted Capacity:	17.8%

PLANT STAFFING:						
Day Shift Operator	Class:	C	Certificate No :	13667	Name:	Gerald Nosbaum
Evening Shift Operator	Class:		Certificate No :		Name:	
Night Shift Operator	Class:		Certificate No.:		Name:	
Lead Operator	Class:	C	Certificate No :	13047	Name:	Gary Loggins

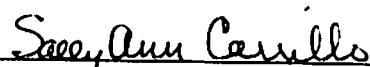
3
08/23/2004

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

Client CITRUS COUNTY UTILITIES **Sample Number** E041098
Project LEACHATE PLANT **Date/Time Sampled** 5/26/04 1030 HRS
Sample Description WWTP/EFF **Date/Time Received** 5/26/04 1115 HRS
PO NO 53039 **Invoice Number** 6599

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	5.65	0.3 mg/L	LP	5/27/04 1230 HRS
SM2540-D	TSS	mg/L	8.50	1.0 mg/L	LP	5/28/04 1200 HRS
SM4500-NO3-E	NITRATE	mg/L	0.9	0.10 mg/L	CK	5/26/04 1005 HRS

JUN 4


Laboratory Manager

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

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

Client CITRUS COUNTY UTILITIES **Sample Number** E041055
Project LEACHATE LANDFILL **Date/Time Sampled** 5/19/04 1045 HRS
Project No 53039 **Date/Time Received** 5/19/04 1150 HRS
Sample Description WWTP/INF **Invoice Number** 6599

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	130.0	0.3 mg/L	LP	5/19/04 1300 HRS
SM2540-D	TSS	mg/L	72.0	1.0 mg/L	LP	5/21/04 1700 HRS

Sample Description WWTP/EFF **Date/Time Sampled** 5/19/04 1040 HRS
Date/Time Received 5/19/04 1150 HRS

Method	Analytes	Units	Results	% Removal MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	3.98	96.94% 0.3 mg/L	LP	5/19/04 1300 HRS
SM2540-D	TSS	mg/L	8.5	88.19% 1.0 mg/L	LP	5/21/04 1700 HRS
SM4500-NO3-E	NITRATE	mg/L	0.94	0.10 mg/L	CK	5/20/04 1130 HRS

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

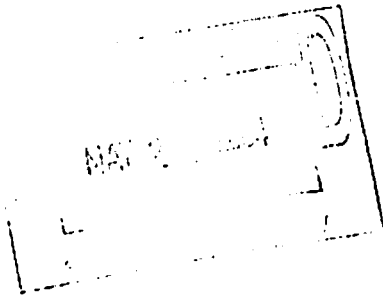
[Signature]
Laboratory Manager

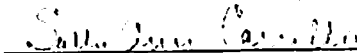
For all Results qualified with an I, the PQL is defined to be 4 times the MDL

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

Client	CITRUS COUNTY UTILITIES	Sample Number	E041001
Project	LEACHATE PLANT	Date/Time Sampled	5/12/04 1015 HRS
Sample Description	WWTP/EFF	Date/Time Received	5/12/04 1130 HRS
PO NO	53039	Invoice Number	6599

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	4.87	0.3 mg/L	LP	5/12/04 1400 HRS
SM2540-D	TSS	mg/L	3.0	1.0 mg/L	LP	5/14/04 1000 HRS
SM4500-NO3-E	NITRATE	mg/L	1.7	0.10 mg/L	CK	5/12/04 1225 HRS




Laboratory Manager

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

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

Client CITRUS COUNTY UTILITIES

Sample Number E040936

Project LEACHATE PLANT

Date/Time Sampled 5/5/04 1045 HRS

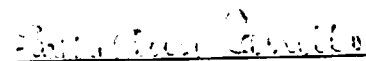
Sample Description WWTP/EFF

Date/Time Received 5/5/04 1115 HRS

PO NO 53039

Invoice Number 6599

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	4.04	0.3 mg/L	LP	5/5/04 1430 HRS
SM2540-D	TSS	mg/L	10.0	1.0 mg/L	LP	5/7/04 1200 HRS
SM4500-NO3-E	NITRATE	mg/L	0.35	0.10 mg/L	CK	5/5/04 1305 HRS


Laboratory Manager

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

CITRUS COUNTY CENTRAL LANDFILL

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A
 WHEN COMPLETED MAIL THIS REPORT TO: DEPARTMENT OF ENVIRONMENTAL PROTECTION SOUTHWEST DISTRICT
 Solid Waste Section, 3804 Coconut Palm Drive Tampa, FL 33619-8218

PERMITTEE NAME: Citrus County Board Of County Commissioners
 MAILING ADDRESS: P.O. Box 340
 Lecanto, FL 34460

PERMIT NUMBER: 21375-003-SO
 WACS FACILITY ID NUMBER: SWD/09/039859
 TEST SITE ID NUMBER: WACS 175
 MONITORING PERIOD:

FACILITY: Central Landfill Leachate Plant
 LOCATION: 230 W. Gulf to Lake Hwy
 Lecanto, FL 34461
 COUNTY: Citrus

From: 6/1 To: 06/30/2004
 CLASS SIZE: 1-C
 REPORT: Quarterly
 GROUP: Solid Waste

Please read instructions before completing this form.

Parameter		Quantity or Loading			Quality or Concentration				No. Ex	Frequency of Analysis	Sample Type
		Avg.	Max.	Units	Min.	Avg.	Max.	Units			
Flow, in conduit or thru treatment plant	Sample Measurement	0.006		MGD							
PARM Code 50053	Permit Requirement	Report Mon AVG.	.030 (3) Month Rolling Average	MGD						Daily	Metered
CRDD, 5 day 20 degree C	Sample Measurement					3.5		mg/L			
PARM Code 80082	Permit Requirement					20 (Mo. Avg.)		mg/L		Weekly	Grab
Total Suspended Solids	Sample Measurement					14.4		mg/L			
PARM Code 900201	Permit Requirement					20 (Mo. Avg.)		mg/L		Weekly	Grab
Nitrate (as N)	Sample Measurement						1.8	mg/L			
PARM Code 071850	Permit Requirement					10.0 (Mo. Avg.)		mg/L		Weekly	Grab
pH	Sample Measurement				7.7		8.3	S.U.			
PARM Code 00400	Permit Requirement				6.5 Min.		8.5 Max.	S.U.		Daily	Grab

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

Name/Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Telephone No. (include area code)	Date (yy/mm/dd)
Gary Loggins Utility Operator III C/13047	<i>Gary Loggins</i>	(352)527-7670	07/09/04

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

* Rolling Annual Average is the average of the current month's average and the preceding 11 monthly averages.

A-1

DAILY SAMPLE RESULTS - PART B

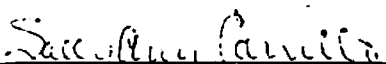
Three-month Average Daily Flow:	0.014
Daily Flow % of Permitted Capacity:	19.1%

* Attach additional sheets if necessary to list all certified operators.

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

Client CITRUS COUNTY UTILITIES **Sample Number** E041311
Project LEACHATE PLANT **Date/Time Sampled** 6/23/04 1150 HRS
Sample Description WWTP/EFF **Date/Time Received** 6/23/04 1250 HRS
PO NO 53039 **Invoice Number** 6654

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	1.93	0.3 mg/L	LP	6/24/04 0700 HRS
SM2540-D	TSS	mg/L	7.0	1.0 mg/L	LP	6/25/04 1230 HRS
SM4500-NO3-E	NITRATE	mg/L	1.0	0.10 mg/L	CK	6/23/04 0955 HRS


Laboratory Manager

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

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

Client	CITRUS COUNTY UTILITIES	Sample Number	E041279
Project	LEACHATE LANDFILL	Date/Time Sampled	6/16/04 1000 HRS
Project No	53039	Date/Time Received	6/16/04 1250 HRS
Sample Description	WWTP/INF	Invoice Number	6654

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	131	0.3 mg/L	LP	6/16/04 1400 HRS
SM2540-D	TSS	mg/L	71.0	1.0 mg/L	LP	6/19/04 1630 HRS

		Date/Time Sampled	6/16/04 1015 HRS
Sample Description	WWTP/EFF	Date/Time Received	6/16/04 1250 HRS

Method	Analytes	Units	Results	% Removal MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	5.34	95.92% 0.3 mg/L	LP	6/16/04 1400 HRS
SM2540-D	TSS	mg/L	19.50	72.53% 1.0 mg/L	LP	6/19/04 1630 HRS
SM4500-NO3-E	NITRATE	mg/L	2.1	0.10 mg/L	CK	6/17/04 0930 HRS

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

Sally Ann Casillo
Laboratory Manager

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

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

Client CITRUS COUNTY UTILITIES **Sample Number** E041237
Project LEACHATE PLANT **Date/Time Sampled** 6/9/04 1045 HRS
Sample Description WWTP/EFF **Date/Time Received** 6/9/04 1355 HRS
PO NO 53039 **Invoice Number** 6654

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	3.50	0.3 mg/L	LP	6/9/04 1600 HRS
SM2540-D	TSS	mg/L	22.5	1.0 mg/L	LP	6/11/04 1400 HRS
SM4500-NO3-E	NITRATE	mg/L	3.5	0.10 mg/L	CK	6/10/04 0930 HRS



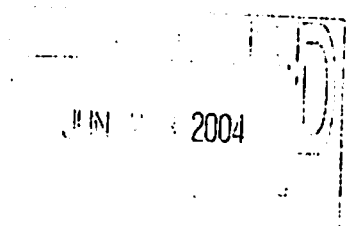
Laboratory Manager

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

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

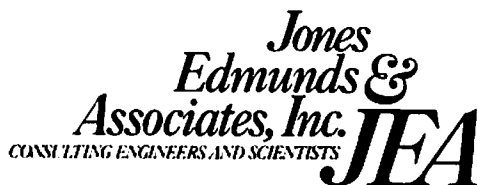
Client CITRUS COUNTY UTILITIES **Sample Number** E041144
Project LEACHATE PLANT **Date/Time Sampled** 6/2/04 1115 HRS
Sample Description WWTP/EFF **Date/Time Received** 6/2/04 1200 HRS
PO NO 53039 **Invoice Number** 6654

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	3.41	0.3 mg/L	LP	6/2/04 1315 HRS
SM2540-D	TSS	mg/L	8.50	1.0 mg/L	LP	6/5/04 1200 HRS
SM4500-NO3-E	NITRATE	mg/L	0.63	0.10 mg/L	CK	6/3/04 0950 HRS



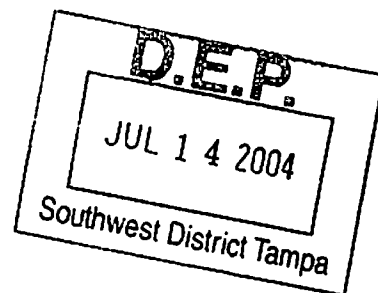
S. J. ...
Laboratory Manager

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



July 13, 2004

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



RE: Quarterly Leachate Sampling - Second Quarter 2004
Citrus County Landfill
Permit No. 21375-003-SO
Jones Edmunds Project No. 03860-011-01

Dear Mr. Morris:

This report presents data from the Second Quarter sampling of the Leachate Effluent at the Citrus County Landfill, performed on April 28, 2004.

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

Monthly Operating Reports (April, May, and June) and Weekly Leachate Effluent Analytical Reports will be forwarded under separate cover.

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

Sincerely,

John D. Locklear
Project Manager

M:\EnvDocs\Citrus County\2004\04q2\04q2leachate letter.doc

xc: Susan Metcalfe, P.G.

Attachments

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

GROUNDWATER MONITORING REPORT

Rule 62-522.600 (11)



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 GMS Identification Number SWD/09/39859
- (3) DEP Permit Number 21375-003-SO
- (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:

July 12 2004

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 10207 General Drive, Orlando, Florida 32824
- Phone Number (407) 826-5314

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: 04/28/04 10:35:00 AM

Report Period: SECOND QUARTER 2004

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
00095	SPECIFIC CONDUCTANCE	BOTTLE	No	EPA 120.1	04/29/04 5:00:00 PM	3900	µmhos/cm	1 µmhos/cm
00406	pH (FIELD)	BOTTLE	No	EPA 150.1	04/28/04 10:35:00 AM	8.06	S.U.	
70300	TOTAL DISSOLVED SOLIDS	BOTTLE	No	EPA 160.1	05/04/04 8:40:00 PM	2800	mg/L	2mg/L
00010	TEMPERATURE (FIELD)	BOTTLE	No	EPA 170.1	04/28/04 10:35:00 AM	21.3	Deg. C	
82078	TURBIDITY (FIELD)	BOTTLE	No	EPA 180.1	04/28/04 10:35:00 AM	4.06	NTU	
00929	SODIUM	BOTTLE	No	EPA 273.1	04/30/04	740000	µg/L	20000µg/L
00940	CHLORIDE	BOTTLE	No	EPA 300	05/05/04 6:12:00 PM	1400	mg/L	100mg/L
38760	1,2-DIBROMO-3-CHLOROPROPANE	BOTTLE	No	EPA 504	05/05/04 12:48:00 PM	<0.2	µg/L	0.2µg/L
77651	1,2-DIBROMOETHANE (EDB)	BOTTLE	No	EPA 504	05/05/04 12:48:00 PM	<0.2	µg/L	0.2µg/L
78124	BENZENE	BOTTLE	No	EPA 602	05/03/04 12:35:00 AM	<1	µg/L	1µg/L
34371	ETHYLBENZENE	BOTTLE	No	EPA 602	05/03/04 12:35:00 AM	<1	µg/L	1µg/L
78131	TOLUENE	BOTTLE	No	EPA 602	05/03/04 12:35:00 AM	<1	µg/L	1µg/L
81551	XYLENES	BOTTLE	No	EPA 602	05/03/04 12:35:00 AM	<3	µg/L	3µg/L



Citrus County Central Landfill Parameter Monitoring Report

PART III Analytical Results

Facility GMS #: SWD/09/39859

Test Site ID #:

Well Name: EQUBLK (ORL31809-2)

Classification of Ground Water:

Ground Water Elevation (NGVD):

Sampling Date/Time: 04/28/04 10:55:00 AM

Report Period: SECOND QUARTER 2004

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
70300	TOTAL DISSOLVED SOLIDS	BOTTLE	No	EPA 160.1	05/04/04 8:40:00 PM	<2	mg/L	2mg/L
00929	SODIUM	BOTTLE	No	EPA 273.1	04/30/04	<1000	µg/L	1000µg/L
00940	CHLORIDE	BOTTLE	No	EPA 300	04/30/04 12:04:00 AM	<1	mg/L	1mg/L
38760	1,2-DIBROMO-3-CHLOROPROPANE	BOTTLE	No	EPA 504	05/04/04 12:15:00 PM	<0.02	µg/L	0.02µg/L
77651	1,2-DIBROMOETHANE (EDB)	BOTTLE	No	EPA 504	05/04/04 12:15:00 PM	<0.02	µg/L	0.02µg/L
78124	BENZENE	BOTTLE	No	EPA 602	05/02/04 11:56:00 PM	<1	µg/L	1µg/L
34371	ETHYLBENZENE	BOTTLE	No	EPA 602	05/02/04 11:56:00 PM	<1	µg/L	1µg/L
78131	TOLUENE	BOTTLE	No	EPA 602	05/02/04 11:56:00 PM	<1	µg/L	1µg/L
81551	XYLENES	BOTTLE	No	EPA 602	05/02/04 11:56:00 PM	<3	µg/L	3µg/L

Citrus County Central Landfill Parameter Monitoring Report

PART III Analytical Results

Facility GMS #: SWD/09/39859

Test Site ID #:

Well Name: TRIP (ORL31809-3)

Classification of Ground Water:

Ground Water Elevation (NGVD)

Sampling Date/Time: 04/28/04

Report Period: SECOND QUARTER 2004

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
38760	1,2-DIBROMO-3-CHLOROPROPANE		No	EPA 504	05/04/04 12:26:00 PM	<0.02	µg/L	0.02µg/L
77651	1,2-DIBROMOETHANE (EDB)		No	EPA 504	05/04/04 12:26:00 PM	<0.02	µg/L	0.02µg/L
78124	BENZENE		No	EPA 602	05/02/04 11:17:00 PM	<1	µg/L	1µg/L
34371	ETHYLBENZENE		No	EPA 602	05/02/04 11:17:00 PM	<1	µg/L	1µg/L
78131	TOLUENE		No	EPA 602	05/02/04 11:17:00 PM	<1	µg/L	1µg/L
81551	XYLENES		No	EPA 602	05/02/04 11:17:00 PM	<3	µg/L	3µg/L

Environmental Conservation Laboratories, Inc.
10207 General Drive
Orlando, Florida 32824-8529
407 / 826-5314
Fax 407 / 850-6945
www.encolabs.com



DHRS Certification No. E83182

CLIENT : Jones Edmunds & Associates, Inc.
ADDRESS: 730 N.E.Waldo Road
Bldg.A
Gainesville, FL 32641

REPORT # : ORL31809
DATE SUBMITTED: April 29, 2004
DATE REPORTED : May 6, 2004

ATTENTION: Tim Cully

SAMPLE IDENTIFICATION

Samples submitted and
identified by client as:

REFERENCE: CITRUS CO.

03860-014-01

04/28/04

ORL31809-1 : LEACHATE EFF.(2004Q2CCLEFF) @ 10:35
ORL31809-2 : EQUIP. BLANK#1(2004Q2CCEB1) @ 10:55
ORL31809-3 : TRIP BLANK#1(2004Q2CCTB1)

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. This data has been produced in accordance with NELAC Standards (May, 2001). This report shall not be reproduced except in full, without the written approval of the laboratory. Results for these procedures apply only to the samples as submitted.

PROJECT MANAGER

A handwritten signature in black ink, appearing to read "Jody Goostree", written over a horizontal line.
Jody Goostree

ENCO LABORATORIES

REPORT # : ORL31809
 DATE REPORTED : May 6, 2004
 REFERENCE : 03860-014-01
 PROJECT NAME : Citrus CO

RESULTS OF ANALYSIS

STATION NAME	PARAMETER	RESULT	UNITS	METHOD
LEACHATE EFF.	SPEC COND-FIELD	4579	umhos/cm	EPA 120.1
LEACHATE EFF.	SPECIFIC COND.	3900	umhos/cm	EPA 120.1
LEACHATE EFF.	PH-FIELD	8.06	S.U.	EPA 150.1
LEACHATE EFF.	TOTAL DIS. SOLIDS	2800	mg/L	EPA 160.1
LEACHATE EFF.	TEMP-FIELD	21.3	Deg. C	EPA 170.1
LEACHATE EFF.	TURBIDITY-FIELD	4.06	NTU	EPA 180.1
LEACHATE EFF.	SODIUM	740	mg/L	EPA 273.1
LEACHATE EFF.	CHLORIDE	1400	mg/L	EPA 300
LEACHATE EFF.	DISSOLVED OXYGEN	999.99	mg/L	EPA 360.1
LEACHATE EFF.	DIBROMOCHLOROPROPANE	<0.2	ug/L	EPA 504
LEACHATE EFF.	ETHYLENE DIBROMIDE	<0.2	ug/L	EPA 504
LEACHATE EFF.	BENZENE	<1	ug/L	EPA 602
LEACHATE EFF.	ETHYLBENZENE	<1	ug/L	EPA 602
LEACHATE EFF.	TOTAL XYLENE	<3	ug/L	EPA 602
LEACHATE EFF.	TOLUENE	<1	ug/L	EPA 602

ENCO LABORATORIES

REPORT # : ORL31809
 DATE REPORTED : May 6, 2004
 REFERENCE : 03860-014-01
 PROJECT NAME : Citrus CO

RESULTS OF ANALYSIS

STATION NAME	PARAMETER	RESULT	UNITS	METHOD
EQUIP. BLANK#1	TOTAL DIS. SOLIDS	<2	mg/L	EPA 160.1
EQUIP. BLANK#1	SODIUM	<1	mg/L	EPA 273.1
EQUIP. BLANK#1	CHLORIDE	<1	mg/L	EPA 300
EQUIP. BLANK#1	DIBROMOCHLOROPROPANE	<0.02	ug/L	EPA 504
EQUIP. BLANK#1	ETHYLENE DIBROMIDE	<0.02	ug/L	EPA 504
EQUIP. BLANK#1	BENZENE	<1	ug/L	EPA 602
EQUIP. BLANK#1	ETHYLBENZENE	<1	ug/L	EPA 602
EQUIP. BLANK#1	TOTAL XYLENE	<3	ug/L	EPA 602
EQUIP. BLANK#1	TOLUENE	<1	ug/L	EPA 602

ENCO LABORATORIES

REPORT #	:	ORL31809
DATE REPORTED	:	May 6, 2004
REFERENCE	:	03860-014-01
PROJECT NAME	:	Citrus CO

RESULTS OF ANALYSIS

STATION NAME	PARAMETER	RESULT	UNITS	METHOD
TRIP BLANK#1	DIBROMOCHLOROPROPANE	<0.02	ug/L	EPA 504
TRIP BLANK#1	ETHYLENE DIBROMIDE	<0.02	ug/L	EPA 504
TRIP BLANK#1	BENZENE	<1	ug/L	EPA 602
TRIP BLANK#1	ETHYLBENZENE	<1	ug/L	EPA 602
TRIP BLANK#1	TOTAL XYLENE	<3	ug/L	EPA 602
TRIP BLANK#1	TOLUENE	<1	ug/L	EPA 602

ENCO LABORATORIES
 REPORT # : ORL31809
 DATE REPORTED: May 6, 2004
 REFERENCE : CITRUS CO.
 PROJECT NAME : 03860-014-01

PAGE 1 OF 5

RESULTS OF ANALYSIS

EPA METHOD 602 - VOLATILE AROMATICS

	<u>LAB BLANK</u>	<u>Units</u>
Methyl tert-butyl ether	2.0 U	ug/L
Benzene	1.0 U	ug/L
Toluene	1.0 U	ug/L
Chlorobenzene	1.0 U	ug/L
Ethylbenzene	1.0 U	ug/L
m-Xylene & p-Xylene	2.0 U	ug/L
o-Xylene	1.0 U	ug/L
1,3-Dichlorobenzene	1.0 U	ug/L
1,4-Dichlorobenzene	1.0 U	ug/L
1,2-Dichlorobenzene	1.0 U	ug/L

Surrogate:

	<u>% RECOV</u>	<u>LIMITS</u>
Bromofluorobenzene	87	64-140
Date Analyzed	05/02/04 22:38	

EPA METHOD 504

	<u>LAB BLANK</u>	<u>Units</u>
Ethylene Dibromide	0.020 U	ug/L
Dibromochloropropane	0.020 U	ug/L
Date Prepared	05/03/04	
Date Analyzed	05/04/04 11:10	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES
REPORT # : ORL31809
DATE REPORTED: May 6, 2004
REFERENCE : CITRUS CO.
PROJECT NAME : 03860-014-01

PAGE 2 OF 5

RESULTS OF ANALYSIS

<u>TOTAL METALS</u>	<u>METHOD</u>	<u>LAB BLANK</u>	<u>Units</u>
Sodium	273.1	1.0 U	mg/L
Date Analyzed		04/30/04	

<u>EPA METHOD 300 - Anions by IC</u>	<u>LAB BLANK</u>	<u>Units</u>
Chloride	1.0 U	mg/L
Date Analyzed	04/29/04 14:30	

<u>MISCELLANEOUS</u>	<u>METHOD</u>	<u>LAB BLANK</u>	<u>Units</u>
Specific Cond.	120.1	1.0 U	umhos/cm
Date Analyzed		04/29/04 17:00	
Total Dis. Solids	160.1	2.0 U	mg/L
Date Analyzed		05/04/04 20:40	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES
REPORT # : ORL31809
DATE REPORTED: May 6, 2004
REFERENCE : CITRUS CO.
PROJECT NAME : 03860-014-01

PAGE 3 OF 5

RESULTS OF ANALYSIS

EPA METHOD 300 -
Anions by IC

LAB BLANK

Units

Chloride
Date Analyzed

1.0 U
05/05/04 14:26

mg/L

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES
REPORT # : ORL31809
DATE REPORTED: May 6, 2004
REFERENCE : CITRUS CO.
PROJECT NAME : 03860-014-01

PAGE 4 OF 5

LABORATORY CERTIFICATIONS

Laboratory Certification: NELAC:E83182

All analyses reported with this project were analyzed by the facility indicated unless identified below.

ENCO LABORATORIES

REPORT # : ORL31809

DATE REPORTED: May 6, 2004

REFERENCE : CITRUS CO.

PROJECT NAME : 03860-014-01

PAGE 5 OF 5

QUALITY CONTROL DATA

<u>Parameter</u>	<u>% RECOVERY</u> <u>LCS/MS/MSD</u>	<u>LCS</u> <u>LIMITS</u>	<u>MS/MSD</u> <u>LIMITS</u>	<u>RPD</u> <u>MS/MSD</u>	<u>RPD</u> <u>LIMITS</u>
<u>EPA Method 602</u>					
Benzene	115/ 95/ 94	66-125	72-134	1	20
Toluene	112/ 92/ 91	67-127	72-124	1	19
Ethylbenzene	113/ 92/ 92	68-127	67-129	<1	21
o-Xylene	112/ 92/ 92	65-125	66-131	<1	21
<u>EPA Method 504</u>					
Ethylene Dibromide	92/ 96/ 88	53-154	57-130	9	18
Dibromochloropropane	100/112/104	38-163	60-130	7	20
<u>TOTAL METALS</u>					
Sodium, 273.1	111/110/113	84-111	63-133	3	15
<u>EPA Method 300</u>					
Chloride	99/101/ 99	90-110	51-149	2	26
<u>EPA Method 300</u>					
Chloride	100/101/ 99	90-110	51-149	2	26
<u>MISCELLANEOUS</u>					
Specific Cond., 120.1	99/ NA/ NA	85-107	NA	NA	NA
Total Dis. Solids, 160.1	95/ NA/ NA	82-115	NA	NA	NA

< = Less Than

MS = Matrix Spike

MSD = Matrix Spike Duplicate

NA = Not applicable

LCS = Laboratory Control Standard

RPD = Relative Percent Difference

Environmental Conservation Laboratories, Inc.
Login Sample Disposition Form

Client Name: JEFA

Login #: 08L31809

Proj. Name: 03860-014-01 Citrus

Date Rec'd: 4/29/04 Logged By: Ky

Samples received via:

Client Drop-off

Lab Pickup

Courier

LIST AND ATTACH BILLS

Container Descriptions and Preservation

Indicate presv. type and # of each

Containers	None	HCl	HNO ₃	H ₂ SO ₄	NaOH	Other
1 L Glass						
1 L Plastic						
500 ml Plastic						
250 ml Plastic	2		2			
250 ml Glass						
60 ml Soil Vial						
40 ml Vial	6	6				
Other						

Receiving Temperatures

Total Number of Coolers: 1

Cooler Number	Receipt Temperature
<u>TGIF</u>	2-6° <u>On Ice</u> No Ice
	2-6° On Ice No Ice
	2-6° On Ice No Ice
	2-6° On Ice No Ice
	2-6° On Ice No Ice
	2-6° On Ice No Ice
	2-6° On Ice No Ice

Provide details of "No Ice" in Notification/Comments.

Sample Receipt Disposition

1. Were sample containers received intact?
2. Were sample containers properly preserved?
3. Were proper containers used for analyses requested?
4. Do sample labels match Chain-of-Custody record?
5. Were samples received under custody seal?
6. If received under custody seal, were all seals intact?
7. Were volatile containers preserved (check labels only)?
8. Were aqueous volatile samples headspace-free?
9. Were aqueous samples checked for residual chlorine?

Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes

No
No
No
No
No
No
No
No
No

N/A
N/A
N/A
N/A

Any discrepancies must be noted below and approved by lab management.

Client Notification

1. Does client need to be notified?

Yes

No

2. Who notified client?

3. Who was notified?

4. When?

by:

Phone

Fax

Mail

5. Client requests following action(s) be taken:

- ____ Continue analysis and report disposition in final report.
____ Cancel affected analyses only (identify in comments below).
____ Cancel all analyses.
____ Other (explain in comments below).

Comments

Project Status

- ____ Samples received into lab.
____ Samples rejected

APPROVED BY

DATE

ENVIRONMENTAL CONSERVATION LABORATORIES

QSARF # P2307C

**4810 Executive Park Court, Suite 211
Jacksonville, Florida 32216-6069
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) 677-1669 • Fax (919) 677-9846

ENCO CompQAP No.: 960038G/0

CHAIN OF CUSTODY RECORD

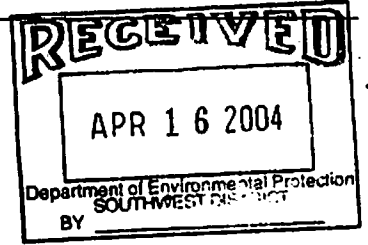
[illegible]



**BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF PUBLIC WORKS
SOLID WASTE MANAGEMENT DIVISION**

P.O. Box 340, Lecanto, Florida 34460
(352) 527-7670 FAX (352) 527-7672
Citrus Springs/Dunnellon area Toll Free # (352) 489-2120

21375



April 13, 2004

Mr. John Morris
Environmental Specialist III
Dept. Of Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619-8318

**RE: WEEKLY AND QUARTERLY LEACHATE MONITORING REPORT FOR CITRUS
COUNTY CENTRAL LANDFILL 60 AND 80 ACRE SITES - PERMIT NO. 21375-003-SO**

Dear Mr. Morris:

Enclosed please find the following leachate monitoring results for the Citrus County Central Landfill site, together with the Operator's monthly reports covering the quarterly period January through March 2004:

- 1) **Weekly effluent analytical results:** 2/18/04 through 3/31/04.
- 2) **Quarterly results:** To be forwarded by Jones, Edmunds and Associates under separate cover letter.

There were no exceedences of permit limits for this time period.

Please note, no reported sampling completed until 2/18/04 due to the leachate plant being off-line for the refurbishing project during this report period.

Should further information or clarification be necessary, please do not hesitate to contact me.

Sincerely,

Susan J. Metcalfe
Director, Division of
Solid Waste Management

CC: Tom Dick, Assistant Director, Dept. Public Works w/o attachments
Kim Ford, P.E., Department of Environmental Protection w/xls.sheet



**BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF PUBLIC WORKS
SOLID WASTE MANAGEMENT DIVISION**

P.O. Box 340, Lecanto, Florida 34460
(352) 527-7670 FAX (352) 527-7672
Citrus Springs/Dunnellon area Toll Free # (352) 489-2120

April 13, 2004

Kim B. Ford, P.E.
Solid Waste Section
Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION

APR 16 2004

SOUTHWEST DISTRICT
TAMPA

Re: **Citrus County Central Landfill - Permit No. 21375-003-SO
Leachate Generation and Daily Precipitation Report**

Dear Mr. Ford:

In compliance with Specific Condition 17.c. of the above permit, enclosed please find the quarterly Leachate Generation and Daily Precipitation Report for the months January, February, and March 2004, together with the Year to Date Leachate Tracking Summary.

If you should need additional information, please let me know.

Sincerely,

Susan J. Metcalfe
Director, Citrus County
Division of Solid Waste Management

Enclosures

CC: Susan Pelz, DEP Tampa Office
Tom Dick, Assistant Director, Dept. Public Works (w/Y-T-D Summary)
David Keough, Jones, Edmunds & Associates – Gainesville Office
John Banks, SCS Engineers – Tampa Office

**CITRUS COUNTY CENTRAL LANDFILL
LEACHATE GALLONS**

MONTH	RAIN DATA	7-ACRE TOTAL OF LEACHATE	80-ACRE TOTAL OF PRIMARY LEACHATE PHASE 1 & 1A	80-ACRE TOTAL OF SECONDARY LEACHATE PHASE 1A	SURFACE LEACHATE OR SPECIAL PROJECT	TOTAL LEACHATE	LEACHATE (RAW) DISPOSAL OFF-SITE	EFFLUENT DISPOSAL ON-SITE	EFFLUENT DISPOSAL OFF-SITE	TOTAL DISPOSAL	BALANCE
JANUARY	2.94	32892	109527	300	0	142719	0	0	89268.58	89268.58	53450.42
FEBRUARY	3.26	31872	126575	7	0	158454	0	104380	99302.16	203682.16	-45228.16
MARCH	2.35	40313	136028	410	0	176751	0	335312	0	335312	-158561
APRIL	0.00	0	0	0	0	0	0	0	0	0	0
MAY	0.00	0	0	0	0	0	0	0	0	0	0
JUNE	0.00	0	0	0	0	0	0	0	0	0	0
JULY	0.00	0	0	0	0	0	0	0	0	0	0
AUGUST	0.00	0	0	0	0	0	0	0	0	0	0
SEPTEMBER	0.00	0	0	0	0	0	0	0	0	0	0
OCTOBER	0.00	0	0	0	0	0	0	0	0	0	0
NOVEMBER	0.00	0	0	0	0	0	0	0	0	0	0
DECEMBER	0.00	0	0	0	0	0	0	0	0	0	0
YTD TOTAL	8.55	105077	372130	717	0	477924	0	439692	188570.74	628262.74	-150338.7

CITRUS COUNTY CENTRAL LANDFILL

DAILY GALLONS LEACHATE GENERATED, DISPOSED AND PRECIPITATION DATA

DATE	DAY	RAIN DATA	80-ACRE TOTAL PRIMARY PHASE 1 & 1A	80-ACRE TOTAL SECONDARY PHASE 1A	7 ACRE LEACHATE FLOW	SURFACE LEACHATE OR SPECIAL PROJECT	TOTAL LEACHATE GENERATED	LEACHATE (RAW) DISPOSAL OFF-SITE TO BW WWTP	LEACHATE EFFLUENT DISPOSAL ON-SITE	LEACHATE EFFLUENT DISPOSAL OFF-SITE	TOTAL LEACHATE DISPOSAL	BALANCE
1/1/04	Thu	0.00	0.0	0.0	0.0	0	0.0	0		0	0	
1/2/04	Fri	0.00	12160	49	3213	0	15422	0		0	0	
1/3/04	Sat	0.00	0.0	0.0	0.0	0	0.0	0		0	0	
1/4/04	Sun	0.00	0.0	0.0	0.0	0	0.0	0		0	0	
1/5/04	Mon	0.01	6520	0	1184	0	7704	0		15947.24	15947.24	
1/6/04	Tue	0.00	0	4	1095	0	1099	0		0	0	
1/7/04	Wed	0.00	5629	0	1083	0	6712	0		7688.25	7688.25	
1/8/04	Thu	0.00	6518	0	1068	0	7586	0		0	0	
1/9/04	Fri	0.00	5635	0	2262	0	7897	0		0	0	
1/10/04	Sat	0.09	0.0	0.0	0.0	0	0.0	0		0	0	
1/11/04	Sun	0.00	0	0	851	0	851	0		0	0	
1/12/04	Mon	0.00	6475	0	1111	0	7586	0		0	0	
1/13/04	Tue	0.00	5612	0	1097	0	6709	0		0	0	
1/14/04	Wed	0.00	0	0	1096	0	1096	0		18009.59	18009.59	
1/15/04	Thu	0.00	6326	0	1218	0	7544	0		0	0	
1/16/04	Fri	0.01	0	0	1090	0	1090	0		0	0	
1/17/04	Sat	0.00	12151	157	2380	0	14688	0		0	0	
1/18/04	Sun	0.96	0.0	0.0	0.0	0	0.0	0		0	0	
1/19/04	Mon	0.43	854	90	1134	0	2078	0		0	0	
1/20/04	Tue	0.00	4822	0	959	0	5781	0		0	0	
1/21/04	Wed	0.00	6343	0	1101	0	7444	0		0	0	
1/22/04	Thu	0.00	200	0	1085	0	1285	0		17781.77	17781.77	
1/23/04	Fri	0.00	12301	0	2148	0	14449	0		0	0	
1/24/04	Sat	0.00	0.0	0.0	0.0	0	0.0	0		0	0	
1/25/04	Sun	0.00	0	0	1066	0	1066	0		0	0	
1/26/04	Mon	0.53	5738	0	1497	0	7235	0		0	0	
1/27/04	Tue	0.00	0	0	897	0	897	0		0	0	
1/28/04	Wed	0.00	6478	0	815	0	7293	0		29841.73	29841.73	
1/29/04	Thu	0.00	5765	0	1205	0	6970	0		0	0	
1/30/04	Fri	0.00	0	0	0	0	0	0		0	0	
1/31/04	Sat	0.91	0.0	0.0	2237	0	2237	0		0	0	
TOTALS		2.94	109527	300	32892	0	142719	0	0	89268.58	89268.58	53450

0.0 represents No Reading

PHASE 1 & 1A TOTAL ACRES 19.1 - 1.2 OPEN, 15.8 INTERMEDIATE, 2.1 UNUSED, 0.0 CLOSED

Note: No effluent discharged on-site due to plant restablization from refurbishing project

CITRUS COUNTY CENTRAL LANDFILL

DAILY GALLONS LEACHATE GENERATED, DISPOSED AND PRECIPITATION DATA												
DATE	DAY	RAIN DATA	80-ACRE TOTAL PRIMARY PHASE 1 & 1A	80-ACRE TOTAL SECONDARY PHASE 1A	7 ACRE LEACHATE FLOW	SURFACE LEACHATE OR SPECIAL PROJECT	TOTAL LEACHATE GENERATED	LEACHATE (RAW) DISPOSAL OFF-SITE TO BW WWTP	LEACHATE EFFLUENT DISPOSAL ON-SITE	LEACHATE EFFLUENT DISPOSAL OFF-SITE	TOTAL LEACHATE DISPOSAL	BALANCE
2/1/04	Sun	0.01	5452	0	1079	0	6531	0	0	0	0	
2/2/04	Mon	0.00	0	0	986	0	986	0	0	0	0	
2/3/04	Tue	0.00	6471	0	1092	0	7563	0	0	22326.14	22326.14	
2/4/04	Wed	0.00	5590	0	1079	0	6669	0	0	0	0	
2/5/04	Thu	0.01	2788	0	1064	0	3852	0	0	14743.41	14743.41	
2/6/04	Fri	0.00	9453	0	2163	0	11616	0	0	18549.16	18549.16	
2/7/04	Sat	0.00	0.0	0.0	0.0	0	0.0	0	0	0	0	
2/8/04	Sun	0.00	1820	0	982	0	2802	0	0	0	0	
2/9/04	Mon	0.00	4646	0	1073	0	5719	0	0	25534.77	25534.77	
2/10/04	Tue	0.00	5579	0	1213	0	6792	0	0	0	0	
2/11/04	Wed	0.00	6279	0	1060	0	7339	0	0	0	0	
2/12/04	Thu	0.00	0	0	1060	0	1060	0	0	18148.68	18148.68	
2/13/04	Fri	0.00	11997	0	2692	0	14689	0	0	0	0	
2/14/04	Sat	0.89	0.0	0.0	0.0	0	0.0	0	0	0	0	
2/15/04	Sun	0.00	0	0	823	0	823	0	0	0	0	
2/16/04	Mon	0.01	5555	0	1081	0	6636	0	0	0	0	
2/17/04	Tue	0.00	6465	0	975	0	7440	0	0	0	0	
2/18/04	Wed	0.00	11	0	1044	0	1055	0	0	0	0	
2/19/04	Thu	0.00	6476	0	618	0	7094	0	5934	0	5934	
2/20/04	Fri	0.00	12033	0	2064	0	14097	0	19970	0	19970	
2/21/04	Sat	0.00	0.0	0.0	0.0	0	0.0	0	0.0	0	0	
2/22/04	Sun	0.00	1	7	975	0	983	0	20117	0	20117	
2/23/04	Mon	0.42	5578	0	1053	0	6631	0	6373	0	6373	
2/24/04	Tue	1.87	6239	0	1243	0	7482	0	9979	0	9979	
2/25/04	Wed	0.05	0	0	1168	0	1168	0	9201	0	9201	
2/26/04	Thu	0.00	5565	0	1419	0	6984	0	7202	0	7202	
2/27/04	Fri	0.00	12080	0	2799	0	14879	0	6304	0	6304	
2/28/04	Sat	0.00	0.0	0.0	0.0	0	0.0	0	0.0	0	0	
2/29/04	Sun	0.00	6497	0	1067	0	7564		19300	0	19300	
TOTALS		3.26	126575	7	31872	0	158454	0	104380	99302.16	203682.16	-45228
0.0 represents No Reading												
PHASE 1 & 1A TOTAL ACRES 19.1 - 1.2 OPEN, 15.8 INTERMEDIATE, 2.1 UNUSED, 0.0 CLOSED												
Note: No effluent discharged on-site due to plant restablization from refurbishing project												

CITRUS COUNTY CENTRAL LANDFILL

DAILY GALLONS LEACHATE GENERATED, DISPOSED AND PRECIPITATION DATA												
DATE	DAY	RAIN DATA	80-ACRE TOTAL PRIMARY PHASE 1 & 1A	80-ACRE TOTAL SECONDARY PHASE 1A	7 ACRE LEACHATE FLOW	SURFACE LEACHATE OR SPECIAL PROJECT	TOTAL LEACHATE GENERATED	LEACHATE (RAW) DISPOSAL OFF-SITE TO BW WWTP	LEACHATE EFFLUENT DISPOSAL ON-SITE	LEACHATE EFFLUENT DISPOSAL OFF-SITE	TOTAL LEACHATE DISPOSAL	BALANCE
3/1/04	Mon	0.00	0	0	1321	0	1321	0	7947	0	7947	
3/2/04	Tue	0.00	5552	0	1208	0	6760	0	2956	0	2956	
3/3/04	Wed	0.00	7325	0	1304	0	8629	0	7807	0	7807	
3/4/04	Thu	0.00	625	0	1503	0	2128	0	15116	0	15116	
3/5/04	Fri	0.00	12366	0	2863	0	15229	0	22245	0	22245	
3/6/04	Sat	0.00	0.0	0.0	0.0	0	0.0	0	0.0	0	0	
3/7/04	Sun	0.00	0	0	1238	0	1238	0	10775	0	10775	
3/8/04	Mon	0.00	5614	0	1349	0	6963	0	14326	0	14326	
3/9/04	Tue	0.06	7607	0	1179	0	8786	0	11108	0	11108	
3/10/04	Wed	0.00	0	0	1206	0	1206	0	10738	0	10738	
3/11/04	Thu	0.00	5592	0	1209	0	6801	0	16000	0	16000	
3/12/04	Fri	0.00	7647	0.0	2483	0	10130	0	23579	0	23579	
3/13/04	Sat	0.00	0.0	0.0	0.0	0	0.0	0	0.0	0	0	
3/14/04	Sun	0.00	5633	0	1091	0	6724	0	8708	0	8708	
3/15/04	Mon	2.23	7205	0	1230	0	8435	0	10223	0	10223	
3/16/04	Tue	0.06	0	0	1475	0	1475	0	15029	0	15029	
3/17/04	Wed	0.00	5560	0	1489	0	7049	0	9699	0	9699	
3/18/04	Thu	0.00	7455	0	1262	0	8717	0	9430	0	9430	
3/19/04	Fri	0.00	5600	0	2891	0	8491	0	24691	0	24691	
3/20/04	Sat	0.00	0.0	0.0	0.0	0	0.0	0	0.0	0	0	
3/21/04	Sun	0.00	7460	0	1351	0	8811	0	11304	0	11304	
3/22/04	Mon	0.00	0	0	1241	0	1241	0	9058	0	9058	
3/23/04	Tue	0.00	5628	0	1263	0	6891	0	11275	0	11275	
3/24/04	Wed	0.00	5732	0	1274	0	7006	0	16511	0	16511	
3/25/04	Thu	0.00	0	401	1392	0	1793	0	7347	0	7347	
3/26/04	Fri	0.00	12921	0	2088	0	15009	0	20232	0	20232	
3/27/04	Sat	0.00	0.0	0.0	0.0	0	0.0	0	0.0	0	0	
3/28/04	Sun	0.00	0	0	1713	0	1713	0	8177	0	8177	
3/29/04	Mon	0.00	7275	8	1360	0	8643	0	7044	0	7044	
3/30/04	Tue	0.00	5558	0	1155	0	6713	0	17014	0	17014	
3/31/04	Wed	0.00	7673	1	1175	0	8849	0	6973	0	6973	
TOTALS		2.35	136028	410	40313	0	176751	0	335312	0	335312	-158561
PHASE 1 & 1A TOTAL ACRES 19.1 - 1.2 OPEN, 15.8 INTERMEDIATE, 2.1 UNUSED, 0.0 CLOSED												

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A
WHEN COMPLETED MAIL THIS REPORT TO: DEPARTMENT OF ENVIRONMENTAL PROTECTION SOUTHWEST DISTRICT
Solid Waste Section, 3804 Coconut Palm Drive Tampa, FL 33619-6218

PERMITTEE NAME: Citrus County Board Of County Commissioners
MAILING ADDRESS: P.O. Box 340
 Lecanto, FL 34460

PERMIT NUMBER: 21375-003-SO
WACS FACILITY ID NUMBER: SWD/09/039859
TEST SITE ID NUMBER: WACS 175
MONITORING PERIOD:

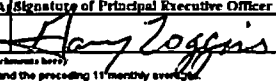
FACILITY: Central Landfill Leachate Plant
LOCATION: 230 W. Gulf to Lake Hwy
 Lecanto, FL 34461
COUNTY: Citrus

From: 2/1 **To:** 02/29/2004
CLASS SIZE: 1-C
REPORT: Quarterly
GROUP: Solid Waste

Please read instructions before completing this form.

Parameter		Quantity or Loading			Quality or Concentration				No. Ex	Frequency of Analysis	Sample Type
		Avg.	Max.	Units	Min.	Avg.	Max.	Units			
Flow, in conduit or thru treatment plant	Sample Measurement	0.004		MCD							
PARM Code 50053	Permit Requirement	Report	.030 (2) Month Rolling Average	MGD						Daily	Metered
COD 5 day 10 degree C	Sample Measurement					3.6		mg/L			
PARM Code 80082	Permit Requirement					20 (Mo. Avg.)		mg/L		Weekly	Grab
Total Suspended Solids	Sample Measurement					2.0		mg/L			
PARM Code 900201	Permit Requirement					20 (Mo. Avg.)		mg/L		Weekly	Grab
Nitrate (as N)	Sample Measurement					1.7		mg/L			
PARM Code 071850	Permit Requirement					10.0 (Mo. Avg.)		mg/L		Weekly	Grab
pH	Sample Measurement				9.0		8.3	S.U.			
PARM Code 00400	Permit Requirement				6.5 Min.		8.5 Max.	S.U.		Daily	Grab

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

Name/Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Telephone No. (include area code)	Date (yy/mm/dd)
Gary Loggins Utility Operator III C/13047		(352) 527-7670	04/13/04

COMMENT AND EXPLANATION OF ANY VIOLATIONS (reference all attachments here)

* Rolling Annual Average is the average of the current month's average and the preceding 11 monthly averages.

Facility: Central Landfill Leachate Plant

PERMIT NUMBER: 21175-001-60

Month/Year: 2/04

Three-month Average Daily Flow:	0.000
Daily Flow % of Permitted Capacity:	0.0%

[illegible]

Day Shift Operator

Class: C

Certificate No.:

Name: Oswald Nashburn

Evening Shift Operator

Class:

Certificate No.:

N

Night Shift Operator

Class

Certificate No.:

NAME _____

Lead Operator

Class C

Certificate No.:

13047

Name: _____ Date: _____
Name: _____ Date: _____

Type of Effluent Disposal or Reclaimed Water Reuse

Perc, Pond

2000

Lowest Wet Weather Discharge Activated:

No:

Yes:

Not applicable: ☒ X

* Attach additional sheets if necessary to list all certified operators.

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A
WHEN COMPLETED MAIL THIS REPORT TO:
DEPARTMENT OF ENVIRONMENTAL PROTECTION SOUTHWEST DISTRICT
Solid Waste Section, 3804 Coconut Palm Drive Tampa, FL 33619-8218

PERMITTEE NAME: Citrus County Board Of County Commissioners
MAILING ADDRESS: P.O. Box 340
Lecanto, FL 34460

PERMIT NUMBER: 21375-001-SO
WACS FACILITY ID NUMBER: SWD/09/039859
TEST SITE ID NUMBER: WACS 175
MONITORING PERIOD:

FACILITY: Central Landfill Leachate Plant
LOCATION: 230 W. Gulf to Lake Hwy
Lecanto, FL 34461
COUNTY: Citrus

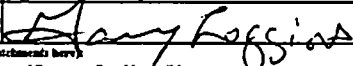
From: 1/1
CLASS SIZE: 1-C
REPORT: Quarterly
GROUP: Solid Waste

To: 01/31/2004

Please read instructions before completing this form.

Parameter		Quantity or Loading			Quality or Concentration				No. Ex	Frequency of Analysis	Sample Type
		Avg.	Max.	Units	Min.	Avg.	Max.	Units			
Flow, in conduit or thru treatment plant	Sample Measurement	0.0003		MGD							
PARM Code 50053	Permit Requirement	Report Mon. AVG.	230 (3) Month Rolling Average	MGD						Daily	Metered
C OD, 5 day 20 degree C	Sample Measurement					0.0		mg/L			
PARM Code 80082	Permit Requirement					20 (Mo. Avg.)		mg/L		Weekly	Grab
Total Suspended Solids	Sample Measurement					0.0		mg/L			
PARM Code 900201	Permit Requirement					20 (Mo. Avg.)		mg/L		Weekly	Grab
Nitrate (as N)	Sample Measurement						0.0	mg/L			
PARM Code 071850	Permit Requirement					10.0 (Mo. Avg.)		mg/L		Weekly	Grab
pH	Sample Measurement				0.0		0.0	S.U.			
PARM Code 00400	Permit Requirement				6.5 Min.		8.5 Max.	S.U.		Daily	Grab

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

Name/Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Telephone No. (include area code)	Date (yy/mm/dd)
Gary Loggins Utility Operator III C/13047		(352)527-7670	04/13/04

CONSENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
* Rolling Annual Average is the average of the current month's average and the preceding 11 monthly averages.

Facility: Central Landfill Leachate Plant
PERMIT NUMBER: 21375-001-SO

PERMIT NUMBER: 21375-001-SQ

Month/Year: 1/04

Three-month Average Daily Flow: 0.000

0000

Daily Flow % of Permitted Capacity: 0.0%

0.03%

PLANT STAFFING:				
Day Shift Operator	Class:	C	Certificate No.:	Name: Gerald Nusbaum
Evening Shift Operator	Class:		Certificate No.:	Name:
Night Shift Operator	Class:		Certificate No.:	Name:
Lead Operator	Class:	C	Certificate No.:	Name: Gary Lossina

Type of Effluent Disposal or Reclaimed Water Reuse:

Limited Wet Weather Discharge Activated: _____ No: _____

No: Yes:

Not applicable: ☒ X

* Attach additional sheets if necessary to list all certified operators.

* Attach additional sheets if necessary to list all certified operators.

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A
WHEN COMPLETED MAIL THIS REPORT TO: DEPARTMENT OF ENVIRONMENTAL PROTECTION SOUTHWEST DISTRICT
Solid Waste Section, 3804 Coconut Palm Drive Tampa, FL 33619-6218

PERMITTEE NAME: Citrus County Board Of County Commissioners
MAILING ADDRESS: P.O. Box 340
Lecanto, FL 34460

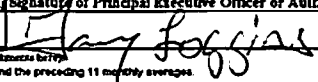
FACILITY: Central Landfill Leachate Plant
LOCATION: 230 W. Gulf to Lake Hwy
Lecanto, FL 34461
COUNTY: Citrus

PERMIT NUMBER: 21375-003-80
WACS FACILITY ID NUMBER: SWD/09/039859
TEST SITE ID NUMBER: WACS 175
MONITORING PERIOD:
From: 3/1 To: 03/31/2004
CLASS SIZE: 1-C
REPORT: Quarterly
GROUP: Solid Waste

Please read instructions before completing this form.

Parameter		Quantity or Loading			Quality or Concentration				No. Ex	Frequency of Analysis	Sample Type
		Avg.	Max.	Units	Min.	Avg.	Max.	Units			
Flow, in conduit or thru treatment plant	Sample Measurement	0.011		MGD							
PARM Code 50053	Permit Requirement	Report Mon AVG	.030 (3) Month Rolling Average	MGD						Daily	Mezured
COD & dss 10 degree C	Sample Measurement					10		mg/L			
PARM Code 80082	Permit Requirement					10 (Mo. Avg.)		mg/L		Weekly	Grab
Total Suspended Solids	Sample Measurement					15		mg/L			
PARM Code 900201	Permit Requirement					10 (Mo. Avg.)		mg/L		Weekly	Grab
Nitrate (as N)	Sample Measurement					6.2		mg/L			
PARM Code 071850	Permit Requirement					10.0 (Mo. Avg.)		mg/L		Weekly	Grab
pH	Sample Measurement				7.7		8.4	S.U.			
PARM Code 00400	Permit Requirement				6.5 Min.		8.5 Max.	S.U.		Daily	Grab

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

Name/Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Telephone No. (include area code)	Date (yy/mm/dd)
Gary Loggins Utility Operator III C/13047		(352)527-7670	04/13/04

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all instructions before)

* Rolling Annual Average is the average of the current month's average and the preceding 11 monthly averages.

Facility: Central Landfill Leachate Plant
PERMIT NUMBER: 31175-001-50

Meas/Year: 2/04

Three-month Average Daily Flow:	0.033
Daily Flow % of Permitted Capacity:	0.044

PLANT STAFFING:					
Day Shift Operator	Class: C	Certificate No.:	Name:	Orlando Nussbaum	
Evening Shift Operator	Class:	Certificate No.:	Name:		
Night Shift Operator	Class:	Certificate No.:	Name:		
Lead Operator	Class: C	Certificate No.:	13047	Name:	Cheryl Loggins

Type of Effluent Disposal or Reclaimed Water Route

Launched Wet Weather Discharge Activated :

Nq:

Perc. Pond

Yes:

Not applicable: ☒ X

* Attach additional sheets if necessary to list all certified operators.

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

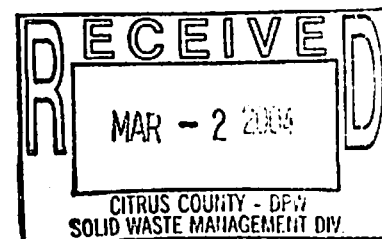
Client CITRUS COUNTY UTILITIES **Sample Number** E040356
Project LEACHATE LANDFILL **Date/Time Sampled** 2/18/04 1105 HRS
Project No 53039 **Date/Time Received** 2/18/04 1158 HRS
Sample Description WWTP/INF **Invoice Number** 6365
R11 = 04-2-3 I04-040356

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	119.0	0.5 mg/L	LP	2/18/04 1330 HRS
SM2540-D	TSS	mg/L	5.0	1.0 mg/L	CK	2/19/04 0945 HRS
SM4500-NO3-E	NITRATE	mg/L	332.0	0.10 mg/L	CK	2/18/04 1315 HRS

R11 = 04-2-4 E04-040356 **Date/Time Sampled** 2/18/04 1110 HRS
Sample Description WWTP/EFF **Date/Time Received** 2/18/04 1158 HRS

Method	Analytes	Units	Results	% Removal MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	4.92	95.87% 0.5 mg/L	LP	2/18/04 1330 HRS
SM2540-D	TSS	mg/L	1.5	70.0% 1.0 mg/L	CK	2/19/04 0945 HRS
SM4500-NO3-E	NITRATE	mg/L	1.2	0.10 mg/L	CK	2/18/04 1315 HRS

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



Sally Ann Carrillo
Laboratory Manager

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

R15=04-Z-5
E04-040421

Client CITRUS COUNTY UTILITIES

Sample Number E040421

Project LEACHATE PLANT

Date/Time Sampled 2/25/04 1030 HRS

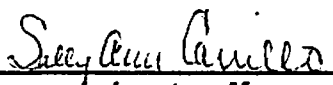
Sample Description WWTP/EFF

Date/Time Received 2/25/04 1300 HRS

PO NO 53039

Invoice Number 6365

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	2.21	0.5 mg/L	LP	2/25/04 1500 HRS
SM2540-D	TSS	mg/L	2.5	1.0 mg/L	LP	3/2/04 1400 HRS
SM4500-NO3-E	NITRATE	mg/L	2.2	0.10 mg/L	CK	2/25/04 1230 HRS


Laboratory Manager

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

R15 = 04-3-1
E04-040445

Client CITRUS COUNTY UTILITIES

Sample Number E040445

Project LEACHATE PLANT

Date/Time Sampled 3/3/04 0900 HRS

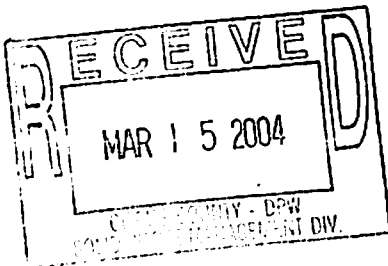
Sample Description WWTP/EFF

Date/Time Received 3/3/04 1010 HRS

PO NO 53039

Invoice Number 6417

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	2.05	0.5 mg/L	LP	3/3/04 1500 HRS
SM2540-D	TSS	mg/L	2.5	1.0 mg/L	LP	3/2/04 1300 HRS
SM4500-NO3-E	NITRATE	mg/L	3.9	0.10 mg/L	CK	3/3/04 1300 HRS



Sally Ann Carrillo
Laboratory Manager

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

RI# = 04-3-2
E04-040535

Client CITRUS COUNTY UTILITIES

Sample Number E040535

Project LEACHATE PLANT

Date/Time Sampled 3/10/04 1120 HRS

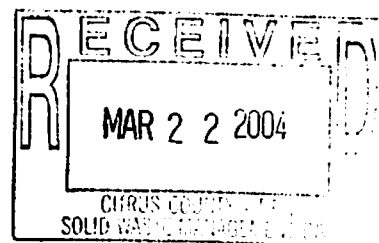
Sample Description WWTP/EFF

Date/Time Received 3/10/04 1330 HRS

PO NO 53039

Invoice Number 6417

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	2.07	0.5 mg/L	LP	3/10/04 1530 HRS
SM2540-D	TSS	mg/L	2.0	1.0 mg/L	LP	3/15/04 1230 HRS
SM4500-NO3-E	NITRATE	mg/L	8.3	0.10 mg/L	CK	3/12/04 0915 HRS



Sally Ann Cassillo
Laboratory Manager

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

Client CITRUS COUNTY UTILITIES **Sample Number** E040569
Project LEACHATE LANDFILL **Date/Time Sampled** 3/17/04 1000 HRS
Project No 53039 **Date/Time Received** 3/17/04 1255 HRS
Sample Description WWTP/INF **Invoice Number** 6417

R15 = 04-3-4 I04-040569

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	145.0	0.5 mg/L	LP	3/17/04 1330 HRS
SM2540-D	TSS	mg/L	43.0	1.0 mg/L	LP	3/20/04 1100 HRS

R15 = 04-3-3 E04-040569 **Date/Time Sampled** 3/17/04 1000 HRS
Sample Description WWTP/EFF **Date/Time Received** 3/17/04 1255 HRS

Method	Analytes	Units	Results	% Removal MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	1.74	98.80% 0.5 mg/L	LP	3/17/04 1330 HRS
SM2540-D	TSS	mg/L	<1	100% 1.0 mg/L	LP	3/20/04 1100 HRS
SM4500-NO3-E	NITRATE	mg/L	6.8	0.10 mg/L	CK	3/17/04 1300 HRS

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

Sally Ann Cassillo
Laboratory Manager

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

File = 04-3-6

E04-040608

Client CITRUS COUNTY UTILITIES

Sample Number E040608

Project LEACHATE PLANT

Date/Time Sampled 3/24/04 1000 HRS

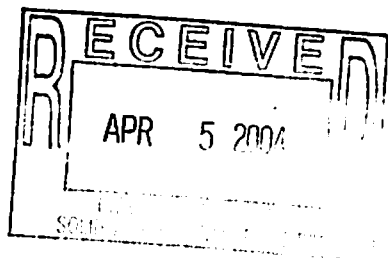
Sample Description WWTP/EFF

Date/Time Received 3/24/04 1035 HRS

PO NO 53039

Invoice Number 6417

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	1.63	0.5 mg/L	LP	3/10/04 1530 HRS
SM2540-D	TSS	mg/L	<1	1.0 mg/L	LP	3/27/04 1130 HRS
SM4500-NO3-E	NITRATE	mg/L	5.0	0.10 mg/L	CK	3/24/04 1210 HRS



Sally Ann Corrie
Laboratory Manager

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

RI = 04-3-7
E04-040660

Client CITRUS COUNTY UTILITIES **Sample Number** E040660
Project LEACHATE PLANT **Date/Time Sampled** 3/31/04 0930 HRS
Sample Description WWTP/EFF **Date/Time Received** 3/31/04 1230 HRS
PO NO 53039 **Invoice Number** 6417

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	2.73	0.5 mg/L	LP	3/31/04 1330 HRS
SM2540-D	TSS	mg/L	5.5	1.0 mg/L	LP	4/1/04 1430 HRS
SM4500-NO3-E	NITRATE	mg/L	6.8	0.10 mg/L	CK	3/31/04 1245 HRS

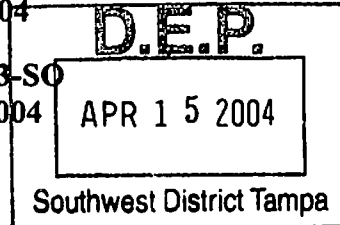
Sally Ann Canillo
Laboratory Manager

CITRUS COUNTY CENTRAL LANDFILL

FIRST SEMIANNUAL 2004

DEP PERMIT NO. 21375-003-SO

DEP Due Date: April 15, 2004



Prepared by:

JONES, EDMUNDS AND ASSOCIATES, INC.

730 N.E. Waldo Road, Building A

Gainesville, Florida 32641-5699

Certificate of Authorization # 1841

April 2004

John S. Catches, P.G.
John S. Catches, P.G.
Florida License No. 2203

4/13/04

*Jones
Edmunds &
Associates, Inc.* **JEA**
CONSULTING ENGINEERS AND SCIENTISTS

April 14, 2004

Mr. John Morris, P.G.
Florida Department of Environmental Protection – Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33169

RE: Semiannual Groundwater Monitoring Report – First Semiannual 2004
Citrus County Landfill
Permit No. 21375-003-SO
JEA Project No. 03860-011-01-5000

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
APR 15 2004
SOUTHWEST DISTRICT
TAMPA

Dear Mr. Morris:

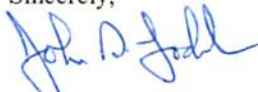
This report presents data from the First Semiannual 2004 sampling event at the Citrus County Landfill, performed on February 3, 4, 5, 6, and March 22, 2004.

All groundwater monitoring wells were sampled during this event and analyzed for the semiannual parameters. Leachate Effluent was collected on March 22nd and was analyzed for the quarterly and semiannual parameters as required by permit. MW-6 was resampled for Fecal Coliforms and Total Trihalomethanes in conjunction with the Leachate Effluent sampling.

Analysis results compared to groundwater standards and/or guidance concentrations are presented in Attachment 2. The data presented in Attachment 2 indicates that concentrations reported during this event are consistent with historical values. Continued semiannual monitoring is recommended at this time.

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

Sincerely,



John D. Locklear
Project Manager

xc: Susan Metcalfe, P.G.

M:\EnvDocs\Citrus County\2004\04S1\04s1Let.doc

Attachment 1:	Groundwater Elevation Data and Groundwater Contour Map
Attachment 2:	Analysis Results Compared to Groundwater Standards And/Or Guidance Concentrations
Attachment 3:	Groundwater Parameters At or Above the Laboratory Detection Limit
Attachment 4:	Parameter Monitoring Report Forms
Attachment 5:	Original Laboratory Data
Attachment 6:	Original Field Data



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

GROUNDWATER MONITORING REPORT

Rule 62-522.600 (11)

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 GMS Identification Number SWD/09/39859
- (3) DEP Permit Number 21375-003-SO
- (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: 4/8/04

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 960038
CompQAP #/HRS Certification
- Lab Name Environmental Conservation Laboratories, Inc.
- Address 10207 General Drive, Orlando, Florida 32824
- Phone Number (407) 826-5314

PURGING DATA

SAMPLING DATA

NOTE: The above do not constitute all of the information required by Chapter 62-160, F.A.C.

NOTE: The above do not constitute all of the information required by Chapter 62-160, F.A.C.

Revision Date: January 1, 2002

SITE Citrus County Landfill NAME: 03860-014-01		SITE LOCATION: Lecanto, FL	
WELL NO: LEACHATE EFF.	SAMPLE ID: 200451CCL EFF	DATE: 3/22/04	

PURGING DATA

WELL DIAMETER (in):		PVC		TOTAL WELL DEPTH (ft):			STATIC DEPTH TO WATER (ft):		WELL CAPACITY (gal/ft):		
1 WELL VOLUME (gal) = (TOTAL WELL DEPTH – DEPTH TO WATER) X WELL CAPACITY =											
= (											

SAMPLING DATA

SAMPLED BY (PRINT) / Steve Messick AFFILIATION @ Jones Edmunds and Assoc. Inc.			SAMPLER(S) SIGNATURE(S) <i>Steve Messick</i>			
SAMPLING METHOD(S): NEW LAB BOTTLE			SAMPLING INITIATED AT: 1250		SAMPLING ENDED AT: 1254	
FIELD DECONTAMINATION: Y (N)			FIELD-FILTERED: Y (N)		DUPLICATE: Y (N)	
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (mL)	FINAL pH	
2	CG	40ML	HCL	NONE	N/A	EPA 601/602
2	CG	40ML	NONE	↓	N/A	504
1	PE	250ML	NONE		N/A	Chlorides, TDS
1	PE	250ML	HNO3		2	NA
REMARKS: Water levels taken with slope indicator # Pump settings: well wizard refill: Discharge: Pressure: SAMPLE DIPPED FROM CHLORINE CONTACT CHAMBER w/ NEW LAB BOTTLE						
Well screen length=						
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; PE = POLYETHYLENE; O = OTHER (SPECIFY)						

NOTE: The above do not constitute all of the information required by Chapter 62-160, F.A.C.

NOTE: The above do not constitute all of the information required by Chapter 62-160, F.A.C.

Environmental Conservation Laboratories, Inc.
10207 General Drive
Orlando, Florida 32824-8529
407 / 826-5314
Fax 407 / 850-6945
www.encolabs.com



DHRS Certification No. E83182

CLIENT : Jones Edmunds & Associates, Inc.
ADDRESS: 730 N.E.Waldo Road
Bldg.A
Gainesville, FL 32641

REPORT # : ORL30655
DATE SUBMITTED: February 7, 2004
DATE REPORTED : February 23, 2004

ATTENTION: Tim Cully

SAMPLE IDENTIFICATION

Samples submitted and
identified by client as:

REFERENCE: CITRUS CO.

03860-014-01

02/06/04

ORL30655-1	: LEACHATE EFF (2004S1CCLEFF)	@ 10:10
ORL30655-2	: MW-6 (2004S1CC6)	@ 13:12
ORL30655-3	: EQU. BLNK#2 LEACH (2004S1CCEB2L)	@ 11:03
ORL30655-4	: EQU. BLNK#3 (2004S1CCEB3)	@ 11:25
ORL30655-5	: TRIP BLANK#1 (2004S1CCTB4)	@ 00:00

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. This data has been produced in accordance with NELAC Standards (May, 2001). This report shall not be reproduced except in full, without the written approval of the laboratory. Results for these procedures apply only to the samples as submitted.

PROJECT MANAGER

A handwritten signature in cursive script that reads "Jody Goostree".
Jody Goostree

ENCO LABORATORIES

REPORT #	:	ORL30655
DATE REPORTED	:	February 23, 2004
REFERENCE	:	03860-014-01
PROJECT NAME	:	Citrus CO

RESULTS OF ANALYSIS

STATION NAME	PARAMETER	RESULT	UNITS	METHOD
LEACHATE EFF	SPEC COND-FIELD	2094	umhos/cm	EPA 120.1
LEACHATE EFF	PH-FIELD	8.27	S.U.	EPA 150.1
LEACHATE EFF	TEMP-FIELD	23.8	Deg. C	EPA 170.1
LEACHATE EFF	TURBIDITY-FIELD	7.32	NTU	EPA 180.1
LEACHATE EFF	NITRATE-N	2.8	mg/L	EPA 300
LEACHATE EFF	NITRITE-N	48	mg/L	EPA 300
LEACHATE EFF	NITRATE-NITRITE-N	51	mg/L	EPA 300.0
LEACHATE EFF	NITRATE-N	25	mg/L	EPA 353.1
LEACHATE EFF	NITRATE-NITRITE-N	49	mg/L	EPA 353.1
LEACHATE EFF	NITRITE-N	24	mg/L	EPA 354.1
LEACHATE EFF	DISSOLVED OXYGEN	3.54	mg/L	EPA 360.1

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: GH

Ground Water Elevation (NGVD)

Sampling Date/Time: 03/22/04 12:50:00 PM

Report Period: FIRST SEMI-ANNUAL 2004

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
00094	CONDUCTIVITY (FIELD)	BOTTLE	No	EPA 120.1	03/22/04 12:50:00 PM	4182	umhos/cm	
00406	pH (FIELD)	BOTTLE	No	EPA 150.1	03/22/04 12:50:00 PM	8.33	S.U.	
70300	TOTAL DISSOLVED SOLIDS	BOTTLE	No	EPA 160.1	03/25/04 5:37:00 PM	2400	mg/L	2mg/L
00010	TEMPERATURE (FIELD)	BOTTLE	No	EPA 170.1	03/22/04 12:50:00 PM	21.2	Deg. C	
82078	TURBIDITY (FIELD)	BOTTLE	No	EPA 180.1	03/22/04 12:50:00 PM	2.6	NTU	
00940	CHLORIDE	BOTTLE	No	EPA 300	03/25/04 11:19:00 AM	1200	mg/L	20mg/L
00299	DISSOLVED OXYGEN (FIELD)	BOTTLE	No	EPA 360.1	03/22/04 12:50:00 PM	3.43	mg/L	
00929	SODIUM	BOTTLE	No	EPA 6010	03/26/04 3:53:00 PM	500000	µg/L	50000µg/L
38760	1,2-DIBROMO-3-CHLOROPROPANE	BOTTLE	No	EPA 8011	03/25/04 4:40:00 PM	<0.02	ug/L	0.02ug/L
77651	1,2-DIBROMOETHANE (EDB)	BOTTLE	No	EPA 8011	03/25/04 4:40:00 PM	<0.02	ug/L	0.02ug/L
77562	1,1,1,2-TETRACHLOROETHANE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<1	ug/L	1ug/L
34506	1,1,1-TRICHLOROETHANE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<1	ug/L	1ug/L
34516	1,1,2,2-TETRACHLOROETHANE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<0.2	ug/L	0.2ug/L
34511	1,1,2-TRICHLOROETHANE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<1	ug/L	1ug/L
34496	1,1-DICHLOROETHANE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<4	ug/L	4ug/L
34501	1,1-DICHLOROETHENE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<2	ug/L	2ug/L
77443	1,2,3-TRICHLOROPROPANE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<2	ug/L	2ug/L
34536	1,2-DICHLOROBENZENE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<1	ug/L	1ug/L
34531	1,2-DICHLOROETHANE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<1	ug/L	1ug/L
34541	1,2-DICHLOROPROPANE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<1	ug/L	1ug/L
34571	1,4-DICHLOROBENZENE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<1	ug/L	1ug/L
77103	2-HEXANONE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<10	ug/L	10ug/L
78133	4-METHYL-2-PENTANONE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<20	ug/L	20ug/L
81552	ACETONE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<50	ug/L	50ug/L
34215	ACRYLONITRILE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<2	ug/L	2ug/L
78124	BENZENE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<1	ug/L	1ug/L
73085	BROMOCHLOROMETHANE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<1	ug/L	1ug/L
32101	BROMODICHLOROMETHANE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	4.3	ug/L	0.6ug/L
32104	BROMOFORM	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	3.7	ug/L	2ug/L
30202	BROMOMETHANE (METHYL BROMIDE)	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	3.1	ug/L	2ug/L
77041	CARBON DISULFIDE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<50	ug/L	50ug/L
32102	CARBON TETRACHLORIDE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<1	ug/L	1ug/L
34301	CHLOROETHANE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<1	ug/L	1ug/L
34311	CHLOROETHANE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<2	ug/L	2ug/L
32106	CHLOROFORM	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	1.5	ug/L	1ug/L
30201	CHLOROMETHANE (METHYL CHLORIDE)	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	1.8	ug/L	1ug/L
77093	CIS-1,2-DICHLOROETHYLENE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<1	ug/L	1ug/L
34704	CIS-1,3-DICHLOROPROPENE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<0.2	ug/L	0.2ug/L
32105	DIBROMOCHLOROMETHANE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	5.4	ug/L	0.4ug/L
46369	DIBROMOMETHANE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<1	ug/L	1ug/L
34371	ETHYLBENZENE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<1	ug/L	1ug/L
81595	METHYL ETHYL KETONE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<20	ug/L	20ug/L
77424	METHYL IODIDE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<5	ug/L	5ug/L
34423	METHYLENE CHLORIDE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<5	ug/L	5ug/L
77128	STYRENE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<1	ug/L	1ug/L

* Attach Laboratory Reports

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: 03/22/04 12:50:00 PM

Report Period: FIRST SEMIANNUAL 2004

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
73547	T-1,4-DICHLORO-2-BUTENE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<2	ug/L	2ug/L
34475	TETRACHLOROETHENE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<2	ug/L	2ug/L
78131	TOLUENE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<1	ug/L	1ug/L
34546	TRANS-1,2-DICHLOROETHENE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<1	ug/L	1ug/L
34699	TRANS-1,3-DICHLOROPROPENE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<0.2	ug/L	0.2ug/L
39180	TRICHLOROETHENE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<1	ug/L	1ug/L
34488	TRICHLOROFLUOROMETHANE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<1	ug/L	1ug/L
77057	VINYL ACETATE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<5	ug/L	5ug/L
39175	VINYL CHLORIDE	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<1	ug/L	1ug/L
81551	XYLENES	BOTTLE	No	EPA APP.1,8260	03/25/04 11:45:00 AM	<3	ug/L	3ug/L

Environmental Conservation Laboratories, Inc.
10207 General Drive
Orlando, Florida 32824-8529
407 / 826-5314
Fax 407 / 850-6945
www.encolabs.com



DHRS Certification No. E83182

CLIENT : Jones Edmunds & Associates, Inc.
ADDRESS: 730 N.E.Waldo Road
Bldg.A
Gainesville, FL 32641

REPORT # : ORL31287
DATE SUBMITTED: March 23, 2004
DATE REPORTED : March 30, 2004

ATTENTION: Tim Cully

SAMPLE IDENTIFICATION

Samples submitted and
identified by client as:

REFERENCE: CITRUS CO.

03860-014-01

03/22/04

ORL31287-1 : LEACHATE EFF.(2004S1 @ 12:50
ORL31287-2 : MW-6(2004S1CC6R) @ 14:08
ORL31287-3 : EQ. BLANK#1L(2004S1C @ 12:40
ORL31287-4 : EQ. BLANK#2GW(2004S1 @ 13:17
ORL31287-5 : TRIP BLANK#1(2004S1C

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. This data has been produced in accordance with NELAC Standards (May, 2001). This report shall not be reproduced except in full, without the written approval of the laboratory. Results for these procedures apply only to the samples as submitted.

PROJECT MANAGER

A handwritten signature in cursive script that reads "Jody Goostree".
Jody Goostree

ENCO LABORATORIES

REPORT #	:	ORL31287
DATE REPORTED	:	March 30, 2004
REFERENCE	:	03860-014-01
PROJECT NAME	:	Citrus CO

RESULTS OF ANALYSIS

STATION NAME	PARAMETER	RESULT	UNITS	METHOD
LEACHATE EFF.	SPEC COND-FIELD	4182	umhos/cm	EPA 120.1
LEACHATE EFF.	PH-FIELD	8.33	S.U.	EPA 150.1
LEACHATE EFF.	TOTAL DIS. SOLIDS	2400	mg/L	EPA 160.1
LEACHATE EFF.	TEMP-FIELD	21.2	Deg. C	EPA 170.1
LEACHATE EFF.	TURBIDITY-FIELD	2.6	NTU	EPA 180.1
LEACHATE EFF.	SODIUM	500	mg/L	EPA 6010
LEACHATE EFF.	CHLORIDE	1200	mg/L	EPA 300
LEACHATE EFF.	DISSOLVED OXYGEN	3.43	mg/L	EPA 360.1
LEACHATE EFF.	DIBROMOCHLOROPROPANE	<0.02	ug/L	EPA 8011
LEACHATE EFF.	ETHYLENE DIBROMIDE	<0.02	ug/L	EPA 8011
LEACHATE EFF.	1,1,1,2-TETRACHLOROETHANE	<1	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	1,1,1-TRICHLOROETHANE	<1	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	1,1,2,2-TETRACHLOROETHANE	<0.2	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	1,1,2-TRICHLOROETHANE	<1	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	1,1-DICHLOROETHANE	<4	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	1,1-DICHLOROETHENE	<2	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	1,2,3-TRICHLOROPROPANE	<2	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	1,2-DIBROMO-3-CHLOROPROPANE	<1	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	1,2-DIBROMOETHANE	<1	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	1,2-DICHLOROBENZENE	<1	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	1,2-DICHLOROETHANE	<1	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	1,2-DICHLOROPROPANE	<1	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	1,4-DICHLOROBENZENE	<1	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	2-BUTANONE	<20	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	2-HEXANONE	<10	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	4-METHYL-2-PENTANONE	<20	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	ACETONE	<50	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	ACRYLONITRILE	<2	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	BENZENE	<1	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	BROMOCHLOROMETHANE	<1	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	BROMODICHLOROMETHANE	4.3	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	BROMOFORM	3.7	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	BROMOMETHANE	3.1	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	C-1,2-DICHLOROETHENE	<1	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	C-1,3-DICHLOROPROPENE	<0.2	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	CARBON DISULFIDE	<50	ug/L	EPA APPENDIX I, 8260

ENCO LABORATORIES

REPORT #	:	ORL31287
DATE REPORTED	:	March 30, 2004
REFERENCE	:	03860-014-01
PROJECT NAME	:	Citrus CO

RESULTS OF ANALYSIS

STATION NAME	PARAMETER	RESULT	UNITS	METHOD
LEACHATE EFF.	CARBON TETRACHLORIDE	<1	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	CHLOROBENZENE	<1	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	CHLOROETHANE	<2	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	CHLOROFORM	1.5	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	CHLOROMETHANE	1.8	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	DIBROMOCHLOROMETHANE	5.4	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	DIBROMOMETHANE	<1	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	ETHYLBENZENE	<1	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	IODOMETHANE	<5	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	TOTAL XYLENE	<3	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	METHYLENE CHLORIDE	<5	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	STYRENE	<1	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	T-1,2-DICHLOROETHENE	<1	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	T-1,3-DICHLOROPROPENE	<0.2	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	T-1,4-DICHLORO-2-BUTENE	<2	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	TETRACHLOROETHENE	<2	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	TOLUENE	<1	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	TRICHLOROETHENE	<1	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	TRICHLOROFLUOROMETHANE	<1	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	VINYL ACETATE	<5	ug/L	EPA APPENDIX I, 8260
LEACHATE EFF.	VINYL CHLORIDE	<1	ug/L	EPA APPENDIX I, 8260

ENCO LABORATORIES

REPORT #	:	ORL31287
DATE REPORTED	:	March 30, 2004
REFERENCE	:	03860-014-01
PROJECT NAME	:	Citrus CO

RESULTS OF ANALYSIS

STATION NAME	PARAMETER	RESULT	UNITS	METHOD
MW-6	SPEC COND-FIELD	797	umhos/cm	EPA 120.1
MW-6	PH-FIELD	4.41	S.U.	EPA 150.1
MW-6	TEMP-FIELD	23.7	Deg. C	EPA 170.1
MW-6	TURBIDITY-FIELD	.31	NTU	EPA 180.1
MW-6	DISSOLVED OXYGEN	.5	mg/L	EPA 360.1
MW-6	1,1,1,2-TETRACHLOROETHANE	<1	ug/L	EPA APPENDIX I, 8260
MW-6	1,1,1-TRICHLOROETHANE	<1	ug/L	EPA APPENDIX I, 8260
MW-6	1,1,2,2-TETRACHLOROETHANE	<0.2	ug/L	EPA APPENDIX I, 8260
MW-6	1,1,2-TRICHLOROETHANE	<1	ug/L	EPA APPENDIX I, 8260
MW-6	1,1-DICHLOROETHANE	<4	ug/L	EPA APPENDIX I, 8260
MW-6	1,1-DICHLOROETHENE	<2	ug/L	EPA APPENDIX I, 8260
MW-6	1,2,3-TRICHLOROPROPANE	<2	ug/L	EPA APPENDIX I, 8260
MW-6	1,2-DIBROMO-3-CHLOROPROPANE	<1	ug/L	EPA APPENDIX I, 8260
MW-6	1,2-DIBROMOETHANE	<1	ug/L	EPA APPENDIX I, 8260
MW-6	1,2-DICHLOROBENZENE	<1	ug/L	EPA APPENDIX I, 8260
MW-6	1,2-DICHLOROETHANE	<1	ug/L	EPA APPENDIX I, 8260
MW-6	1,2-DICHLOROPROPANE	<1	ug/L	EPA APPENDIX I, 8260
MW-6	1,4-DICHLOROBENZENE	<1	ug/L	EPA APPENDIX I, 8260
MW-6	2-BUTANONE	<20	ug/L	EPA APPENDIX I, 8260
MW-6	2-HEXANONE	<10	ug/L	EPA APPENDIX I, 8260
MW-6	4-METHYL-2-PENTANONE	<20	ug/L	EPA APPENDIX I, 8260
MW-6	ACETONE	<50	ug/L	EPA APPENDIX I, 8260
MW-6	ACRYLONITRILE	<2	ug/L	EPA APPENDIX I, 8260
MW-6	BENZENE	1.2	ug/L	EPA APPENDIX I, 8260
MW-6	BROMOCHLOROMETHANE	<1	ug/L	EPA APPENDIX I, 8260
MW-6	BROMODICHLOROMETHANE	3.2	ug/L	EPA APPENDIX I, 8260
MW-6	BROMOFORM	<2	ug/L	EPA APPENDIX I, 8260
MW-6	BROMOMETHANE	<2	ug/L	EPA APPENDIX I, 8260
MW-6	C-1,2-DICHLOROETHENE	1.1	ug/L	EPA APPENDIX I, 8260
MW-6	C-1,3-DICHLOROPROPENE	<0.2	ug/L	EPA APPENDIX I, 8260
MW-6	CARBON DISULFIDE	<50	ug/L	EPA APPENDIX I, 8260
MW-6	CARBON TETRACHLORIDE	<1	ug/L	EPA APPENDIX I, 8260
MW-6	CHLOROBENZENE	<1	ug/L	EPA APPENDIX I, 8260
MW-6	CHLOROETHANE	<2	ug/L	EPA APPENDIX I, 8260
MW-6	CHLOROFORM	4	ug/L	EPA APPENDIX I, 8260
MW-6	CHLOROMETHANE	<1	ug/L	EPA APPENDIX I, 8260

PURGING DATA

WELL CAPACITY (Gallons per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

SAMPLED BY (PRINT) / Steve Messick AFFILIATION @ Jones Edmunds and Assoc. Inc.			SAMPLER(S) SIGNATURE(S) <i>Steve Messick</i>			
SAMPLING METHOD(S): Dipped from "CCC" using new lab bottle			SAMPLING INITIATED AT: 1010		SAMPLING ENDED AT: 1015	
FIELD DECONTAMINATION: Y <u>N</u>		FIELD-FILTERED: Y <u>N</u>		DUPLICATE: Y <u>N</u>		
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD
2	CG	40ML	HCL	NONE	N/A	EPA 601/602
2	CG	40ML	NONE	↓	N/A	504
1	PE	250ML	NONE		N/A	Chloride, TDS
1	PE	250ML	HNO3		52	NA
1	PE	250mL	NONE		N/A	NITRATE
REMARKS: SAMPLE COLLECTED BEFORE FILTERS / NOT TAKEN FROM CHLORINE CONTACT CHAMBER THIS TIME						
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; PE = POLYETHYLENE; O = OTHER (SPECIFY)						

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; PE = POLYETHYLENE; O = OTHER (SPECIFY)

NOTE: The above do not constitute all of the information required by Chapter 62-160, F.A.C.

Florida Department of Environmental Protection

GROUNDWATER SAMPLING LOG

SITE: Citrus County Landfill NAME: 03860-014-01		SITE LOCATION: Lecanto, FL	
WELL NO: EQUIP. BLANK #2 LEACH		SAMPLE ID: 200451CCCB2L	
DATE: 2/6/04			

PURGING DATA

WELL DIAMETER (in): PVC		TOTAL WELL DEPTH (ft):		STATIC DEPTH TO WATER (ft):		WELL CAPACITY (gal/ft):					
1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY =											
= () X =											
PURGE METHOD: <i>Dipped using new lab bottle</i>				PURGE INITIATED AT:		PURGE ENDED AT:					
TOTAL VOL. PURGED (gal):											
TIME	VOLUME PURGED (gal)	CUMUL. VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR
<i>S. Messick</i>											
WELL CAPACITY (Gallons per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88											

SAMPLING DATA

SAMPLED BY (PRINT) / Steve Messick AFFILIATION @ Jones Edmunds and Assoc. Inc.				SAMPLER(S) SIGNATURE(S) <i>Steve Messick</i>			
SAMPLING METHOD(S): Dipped from "CCC" using new lab bottle				SAMPLING INITIATED AT: 1103		SAMPLING ENDED AT: 1108	
FIELD DECONTAMINATION: Y ☒ N				FIELD-FILTERED: Y ☒ N		DUPLICATE: Y ☒ N	
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (mL)	FINAL pH		
2	CG	40ML	HCL	NONE	N/A	EPA 601/602	
2	CG	40ML	NONE		N/A	504	
1	PE	250ML	NONE		N/A	Chloride, TDS	
1	PE	250ML	HNO3		<i>*</i>	NA	
1	PE	250ml	NONE		N/A	NITRATE	
REMARKS: NEW LAB BOTTLE RINSE W/ ZEPH. DIST. WATER LOT# ZE 0121040811 L3 0.31 NTU pH NOT CHECKED / BLANK WATER							
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; PE = POLYETHYLENE; O = OTHER (SPECIFY)							
NOTE: The above do not constitute all of the information required by Chapter 62-160, F.A.C.							

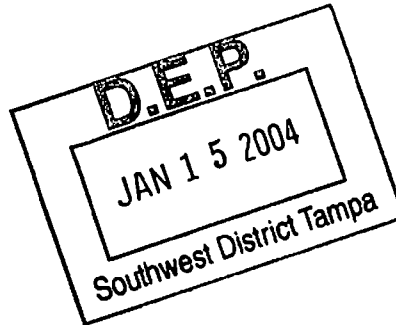


**BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF PUBLIC WORKS
SOLID WASTE MANAGEMENT DIVISION**

P.O. Box 340, Lecanto, Florida 34460
(352) 527-7670 FAX (352) 527-7672
Citrus Springs/Dunnellon area Toll Free # (352) 489-2120

January 12, 2004

Mr. John Morris
Environmental Specialist III
Dept. Of Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619-8318



RE: WEEKLY AND QUARTERLY LEACHATE MONITORING REPORT FOR CITRUS COUNTY CENTRAL LANDFILL 60 AND 80 ACRE SITES - PERMIT NO. 21375-003-SO

Dear Mr. Morris:

Enclosed please find the following leachate monitoring results for the Citrus County Central Landfill site, together with the Operator's monthly reports covering the quarterly period October 2003 through December 2003:

- 1) **Weekly effluent analytical results:** October 10/1/03 attached.
- 2) **Quarterly results:** To be forwarded by Jones, Edmunds and Associates under separate cover letter.

There were no exceedences of permit limits for this time period.

Please note, no sampling completed after 10/1/03 due to the leachate plant being off-line for the refurbishing project during this report period.

Should further information or clarification be necessary, please do not hesitate to contact me.

Sincerely,

Susan J. Metcalfe
Director, Division of
Solid Waste Management

CC: Tom Dick, Assistant Director, Dept. Public Works w/o attachments
Kim Ford, P.E., Department of Environmental Protection w/xls.sheet

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

Client CITRUS COUNTY UTILITIES **Sample Number** E031873
Project LEACHATE LANDFILL **Date/Time Sampled** 10/1/03 1100 HRS
Project No 53039 **Date/Time Received** 10/1/03 1130 HRS
Sample Description WWTP/INF **Invoice Number** 6038

RID= 03-10-2 I03-031873

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	138.0	0.5 mg/L	LP	10/2/03 1400 HRS
SM2540-D	TSS	mg/L	18.2	1.0 mg/L	CK	10/2/03 1145 HRS

RID 03-10-1 E03-031873 **Date/Time Sampled** 10/1/03 1110 HRS
Sample Description WWTP/EFF **Date/Time Received** 10/1/03 1130 HRS

Method	Analytes	Units	Results	% Removal MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	3.41	97.53% 0.5 mg/L	LP	10/2/03 1400 HRS
SM2540-D	TSS	mg/L	2.5	86.3% 1.0 mg/L	CK	10/2/03 1145 HRS
SM4500-NO3-E	NITRATE	mg/L	0.45	0.10 mg/L	CK	10/2/03 0900 HRS

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

Sally Ann Carrillo
Laboratory Manager

**CITRUS COUNTY CENTRAL LANDFILL
WEEKLY LEACHATE MONITORING**

SAC Laboratories Results DATE	MAXIMUM CONTAMINANT LEVEL BY PERMIT		
	20	10	20
	CBOD		SUSPENDED
	< 5 day MG/L	< NITRATE MG/L	< SOLIDS MG/L
10/1/03	3.41	0.45	2.5
10/8/03	Plant off line for refurbishing - no sample		
10/15/03	Plant off line for refurbishing - no sample		
10/22/03	Plant off line for refurbishing - no sample		
10/29/03	Plant off line for refurbishing - no sample		
11/5/03	Plant off line for refurbishing - no sample		
11/12/03	Plant off line for refurbishing - no sample		
11/19/03	Plant off line for refurbishing - no sample		
11/26/03	Plant off line for refurbishing - no sample		
12/3/03	Plant off line for refurbishing - no sample		
12/10/03	Plant off line for refurbishing - no sample		
12/17/03	Plant off line for refurbishing - no sample		
12/23/03	Plant off line for refurbishing - no sample		
12/30/03	Plant off line for refurbishing - no sample		

cjw

CITRUS COUNTY CENTRAL LANDFILL

Sample ID: E02-ORL28914 ENCO Laboratories			MCL		10/02/2003
ParamName	Unit	By Permit	<	Results	
Chloride	MG/L	N/A		1000	
Total dissolved solids	MG/L	N/A		2200	
Sodium	UG/L	N/A		630	
Benzene	UG/L	1	<	1	
Ethylbenzene	UG/L	30	<	1	
Ethylene dibromide	UG/L	0.02	<	0.02	
Toluene	UG/L	40	<	1	
Xylenes, total	UG/L	20	<	3	
cjw					

CITRUS COUNTY CENTRAL LANDFILL

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A
WHEN COMPLETED MAIL THIS REPORT TO:
DEPARTMENT OF ENVIRONMENTAL PROTECTION SOUTHWEST DISTRICT
Solid Waste Section, 3804 Coconut Palm Drive Tampa, FL 33619-8218

PERMITTEE NAME: Citrus County Board Of County Commissioners
MAILING ADDRESS: P.O. Box 340
 Lecanto, FL 34460

PERMIT NUMBER: 21375-003-SO
WACS FACILITY ID NUMBER: SWD/09/039859
TEST SITE ID NUMBER: WACS 175
MONITORING PERIOD:

FACILITY: Central Landfill Leachate Plant
LOCATION: 230 W. Gulf to Lake Hwy
 Lecanto, FL 34461

From: 12/1 **To:** 12/31/2003

COUNTY: Citrus

CLASS SIZE: 1-C
REPORT: Quarterly
GROUP: Solid Waste

Please read instructions before completing this form.

Parameter		Quantity or Loading			Quality or Concentration				No. Ex	Frequency of Analysis	Sample Type
		Avg.	Max.	Units	Min.	Avg.	Max.	Units			
Flow, in conduit or thru treatment plant	Sample Measurement	0.000		MGD							
PARM Code 50053	Permit Requirement	Report Mon AVG.	.030 (3) Month Rolling Average	MGD						Daily	Metered
CBOD, 5 day 20 degree C	Sample Measurement					#DIV/0!		mg/L			
PARM Code 80082	Permit Requirement					20 (Mo. Avg.)		mg/L		Weekly	Grab
Total Suspended Solids	Sample Measurement					#DIV/0!		mg/L			
PARM Code 900201	Permit Requirement					20 (Mo. Avg.)		mg/L		Weekly	Grab
Nitrate (as N)	Sample Measurement					#DIV/0!		mg/L			
PARM Code 071850	Permit Requirement					10.0 (Mo. Avg.)		mg/L		Weekly	Grab
pH	Sample Measurement				7.9		8.2	S.U.			
PARM Code 00400	Permit Requirement				6.5 Min.		8.5 Max.	S.U.		Daily	Grab

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

Name/Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Telephone No. (include area code)	Date (yy/mm/dd)
James Brunswick Utility Operator II C-8197		(352)527-7670	04/01/03

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

Note: Effective 10/8/03 - Plant off-line for refurbishing project - no sampling completed

* Rolling Annual Average is the average of the current month's average and the preceding 11 monthly averages.

A-1

DAILY SAMPLE RESULTS - PART D

0.000

0.0%

01/12/2004

CITRUS COUNTY CENTRAL LANDFILL

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A
WHEN COMPLETED MAIL THIS REPORT TO:
DEPARTMENT OF ENVIRONMENTAL PROTECTION SOUTHWEST DISTRICT
Solid Waste Section, 3804 Coconut Palm Drive Tampa, FL 33619-8218

PERMITTEE NAME: Citrus County Board Of County Commissioners
MAILING ADDRESS: P.O. Box 340
Lecanto, FL 34460

PERMIT NUMBER: 21375-003-SO
WACS FACILITY ID NUMBER: SWD/09/039859
TEST SITE ID NUMBER: WACS 175
MONITORING PERIOD:

FACILITY: Central Landfill Leachate Plant
LOCATION: 230 W. Gulf to Lake Hwy
Lecanto, FL 34461

From: 11/1 **To:** 11/30/2003

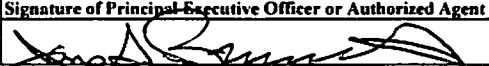
COUNTY: Citrus

CLASS SIZE: 1-C
REPORT: Quarterly
GROUP: Solid Waste

Please read instructions before completing this form.

Parameter		Quantity or Loading			Quality or Concentration				No. Ex	Frequency of Analysis	Sample Type
		Avg.	Max.	Units	Min.	Avg.	Max.	Units			
Flow, in conduit or thru treatment plant	Sample Measurement	0.000		MGD							
PARM Code 50053	Permit Requirement	Report Mon AVG.	.030 (3) Month Rolling Average	MGD						Daily	Metered
CBOD, 5 day 20 degree C	Sample Measurement					#DIV/0!		mg/L			
PARM Code 80082	Permit Requirement					20 (Mo. Avg.)		mg/L		Weekly	Grab
Total Suspended Solids	Sample Measurement					#DIV/0!		mg/L			
PARM Code 900201	Permit Requirement					20 (Mo. Avg.)		mg/L		Weekly	Grab
Nitrate (as N)	Sample Measurement					#DIV/0!		mg/L			
PARM Code 071850	Permit Requirement					10.0 (Mo. Avg.)		mg/L		Weekly	Grab
pH	Sample Measurement				0.0		0.0	S.U.			
PARM Code 00400	Permit Requirement				6.5 Min.		8.5 Max.	S.U.		Daily	Grab

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

Name/Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Telephone No. (include area code)	Date (yy/mm/dd)
James Brunswick Utility Operator II C-8197		(352)527-7670	04/01/03

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

Note: Effective 10/8/03 - Plant off-line for refurbishing project - no sampling completed

* Rolling Annual Average is the average of the current month's average and the preceding 11 monthly averages.

A-1

DAILY SAMPLE RESULTS - PART B

Three-month Average Daily Flow:	0.000
Daily Flow: % of Permitted Capacity:	0.0%

Note: Plant off-line for refurbishing - no sampling completed

PLANT STAFFING:					
Day Shift Operator	Class:	C	Certificate No.:	8197	Name: James Brunswick
Evening Shift Operator	Class:		Certificate No.:		Name:
Night Shift Operator	Class:		Certificate No.:		Name:
Lead Operator	Class:	C	Certificate No.:	8197	Name: James Brunswick

Perry, Pond

No:

Yes:

Not applicable: **X**

• Attach additional sheets if necessary to list all certified operators.

CITRUS COUNTY CENTRAL LANDFILL

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A
WHEN COMPLETED MAIL THIS REPORT TO:
DEPARTMENT OF ENVIRONMENTAL PROTECTION SOUTHWEST DISTRICT
Solid Waste Section, 3804 Coconut Palm Drive Tampa, FL 33619-8218

PERMITTEE NAME: Citrus County Board Of County Commissioners
MAILING ADDRESS: P.O. Box 340
Lecanto, FL 34460

PERMIT NUMBER: 21375-003-SO
WACS FACILITY ID NUMBER: SWD/09/039859
TEST SITE ID NUMBER: WACS 175
MONITORING PERIOD:

FACILITY: Central Landfill Leachate Plant
LOCATION: 230 W. Gulf to Lake Hwy
Lecanto, FL 34461

From: 10/1 **To:** 10/31/2003

CLASS SIZE: 1-C
REPORT: Quarterly
GROUP: Solid Waste

COUNTY: Citrus

Please read instructions before completing this form.

Parameter		Quantity or Loading			Quality or Concentration				No. Ex	Frequency of Analysis	Sample Type
		Avg.	Max.	Units	Min.	Avg.	Max.	Units			
Flow, in conduit or thru treatment plant	Sample Measurement	0.003		MGD							
PARM Code 50053	Permit Requirement	Report Mon AVG.	.030 (3) Month Rolling Average	MGD						Daily	Metered
CBOD, 5 day 20 degree C	Sample Measurement					3.4		mg/L			
PARM Code 80082	Permit Requirement					20 (Mo. Avg.)		mg/L		Weekly	Grab
Total Suspended Solids	Sample Measurement					2.5		mg/L			
PARM Code 900201	Permit Requirement					20 (Mo. Avg.)		mg/L		Weekly	Grab
Nitrate (as N)	Sample Measurement					0.5		mg/L			
PARM Code 071850	Permit Requirement					10.0 (Mo. Avg.)		mg/L		Weekly	Grab
pH	Sample Measurement				7.9		8.2	S.U.			
PARM Code 00400	Permit Requirement				6.5 Min.		8.5 Max.	S.U.		Daily	Grab

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

Name/Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Telephone No. (include area code)	Date (yy/mm/dd)
James Brunswick Utility Operator II C-8197		(352) 527-7670	04/01/03

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

Note: Effective 10/2/03 - Plant off-line for refurbishing project - no sampling completed

* Rolling Annual Average is the average of the current month's average and the preceding 11 monthly averages.

A-1

DAILY SAMPLE RESULTS • PART B

0.011

Daily Flow % of Permitted Capacity:

36.7%

Type of Effluent Disposal or Reclaimed Water Reuse: Perc. Pond
 Limited Wet Weather Discharge Activated: No: Yes: Not applicable: **X**
 * Attach additional sheets if necessary to list all certified operators.



21375

January 7, 2003

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



RE: Quarterly Leachate Sampling – Fourth Quarter 2003
Citrus County Landfill
Permit No. 21375-003-SO
JEA Project No. 03860-011-01

Dear Mr. Morris:

This report presents data from the Fourth Quarter sampling of the Leachate Effluent at the Citrus County Landfill, performed on October 1, 2003.

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

Monthly Operating Reports (October, November, and December) and Weekly Leachate Effluent Analytical Reports will be forwarded under separate cover.

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

Sincerely,

John D. Locklear
Project Manager

M:\EnvDocs\Citrus County\2003\03q4 leachate\03q4leachate letter.doc

xc: Susan Metcalf, P.G.

Attachments



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

GROUNDWATER MONITORING REPORT

Rule 62-522.600 (11)

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION

JAN 13 2004

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 GMS Identification Number SWD/09/39859
- (3) DEP Permit Number 21375-003-SO
- (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: 1/2/2004

Susan J Metcalfe
Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

- Sample Organization CompQAP # DEP SOP 001/01
- Analytical Lab CompQAP #/HRS Certification 960038
CompQAP #/HRS Certification
- Lab Name Environmental Conservation Laboratories, Inc.
- Address 10207 General Drive, Orlando, Florida 32824
- Phone Number (407) 826-5314

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)

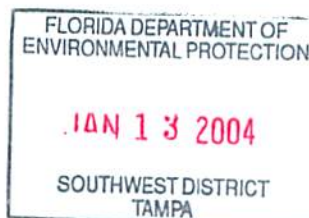
Sampling Date/Time: 10/01/03 10:55:00 AM

Report Period: FOURTH QUARTER 2003

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
70300	TOTAL DISSOLVED SOLIDS	E	No	EPA 160.1	10/02/03 6:00:00 PM	2200	mg/L	2mg/L
00929	SODIUM	E	No	EPA 273.1	10/03/03	630	mg/L	29mg/L
00940	CHLORIDE	E	No	EPA 300	10/06/03 6:27:00 PM	1000	mg/L	20mg/L
38760	1,2-DIBROMO-3-CHLOROPROPANE	E	No	EPA 504	10/07/03 12:35:00 PM	<0.02	µg/L	0.02µg/L
77651	1,2-DIBROMOETHANE (EDB)	E	No	EPA 504	10/07/03 12:35:00 PM	<0.02	µg/L	0.02µg/L
34536	1,2-DICHLOROBENZENE	E	No	EPA 602	10/02/03 6:47:00 PM	<1	µg/L	1µg/L
34566	1,3-DICHLOROBENZENE	E	No	EPA 602	10/02/03 6:47:00 PM	<1	µg/L	1µg/L
34571	1,4-DICHLOROBENZENE	E	No	EPA 602	10/02/03 6:47:00 PM	<1	µg/L	1µg/L
78124	BENZENE	E	No	EPA 602	10/02/03 6:47:00 PM	<1	µg/L	1µg/L
34301	CHLOROBENZENE	E	No	EPA 602	10/02/03 6:47:00 PM	<1	µg/L	1µg/L
34371	ETHYLBENZENE	E	No	EPA 602	10/02/03 6:47:00 PM	<1	µg/L	1µg/L
22417	MTBE	E	No	EPA 602	10/02/03 6:47:00 PM	<2	µg/L	2µg/L
78131	TOLUENE	E	No	EPA 602	10/02/03 6:47:00 PM	<1	µg/L	1µg/L
81551	XYLENES	E	No	EPA 602	10/02/03 6:47:00 PM	<3	µg/L	3µg/L



Citrus County Central Landfill Parameter Monitoring Report

PART III Analytical Results

Facility GMS #: SWD/09/39859

Test Site ID #:

Well Name: EQUBLK (ORL28914-2)

Classification of Ground Water:

Ground Water Elevation (NGVD)

Sampling Date/Time: 10/01/03 11:30:00 AM

Report Period: FOURTH QUARTER 2003

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
70300	TOTAL DISSOLVED SOLIDS	E	No	EPA 160.1	10/02/03 6:00:00 PM	<2	mg/L	2mg/L
00929	SODIUM	E	No	EPA 273.1	10/03/03	<1	mg/L	1mg/L
00940	CHLORIDE	E	No	EPA 300	10/06/03 6:47:00 PM	<1	mg/L	1mg/L
00299	DISSOLVED OXYGEN (FIELD)	E	No	EPA 360.1	10/01/03 10:55:00 AM	5.94	mg/L	
38760	1,2-DIBROMO-3-CHLOROPROPANE	E	No	EPA 504	10/07/03 12:45:00 PM	<0.02	µg/L	0.02µg/L
77651	1,2-DIBROMOETHANE (EDB)	E	No	EPA 504	10/07/03 12:45:00 PM	<0.02	µg/L	0.02µg/L
34536	1,2-DICHLOROBENZENE	E	No	EPA 602	10/02/03 6:09:00 PM	<1	µg/L	1µg/L
34566	1,3-DICHLOROBENZENE	E	No	EPA 602	10/02/03 6:09:00 PM	<1	µg/L	1µg/L
34571	1,4-DICHLOROBENZENE	E	No	EPA 602	10/02/03 6:09:00 PM	<1	µg/L	1µg/L
78124	BENZENE	E	No	EPA 602	10/02/03 6:09:00 PM	<1	µg/L	1µg/L
34301	CHLOROBENZENE	E	No	EPA 602	10/02/03 6:09:00 PM	<1	µg/L	1µg/L
34371	ETHYLBENZENE	E	No	EPA 602	10/02/03 6:09:00 PM	<1	µg/L	1µg/L
22417	MTBE	E	No	EPA 602	10/02/03 6:09:00 PM	<2	µg/L	2µg/L
78131	TOLUENE	E	No	EPA 602	10/02/03 6:09:00 PM	<1	µg/L	1µg/L
81551	XYLENES	E	No	EPA 602	10/02/03 6:09:00 PM	<3	µg/L	3µg/L

Citrus County Central Landfill Parameter Monitoring Report

PART III Analytical Results

Facility GMS #: SWD/09/39859

Test Site ID #:

Well Name: TRIP (ORL28914-3)

Classification of Ground Water:

Ground Water Elevation (NGVD)

Sampling Date/Time: 10/01/03

Report Period: FOURTH QUARTER 2003

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
38760	1,2-DIBROMO-3-CHLOROPROPANE		No	EPA 504	10/07/03 12:55:00 PM	<0.02	µg/L	0.02µg/L
77651	1,2-DIBROMOETHANE (EDB)		No	EPA 504	10/07/03 12:55:00 PM	<0.02	µg/L	0.02µg/L
34536	1,2-DICHLOROBENZENE		No	EPA 602	10/02/03 5:31:00 PM	<1	µg/L	1µg/L
34566	1,3-DICHLOROBENZENE		No	EPA 602	10/02/03 5:31:00 PM	<1	µg/L	1µg/L
34571	1,4-DICHLOROBENZENE		No	EPA 602	10/02/03 5:31:00 PM	<1	µg/L	1µg/L
78124	BENZENE		No	EPA 602	10/02/03 5:31:00 PM	<1	µg/L	1µg/L
34301	CHLOROBENZENE		No	EPA 602	10/02/03 5:31:00 PM	<1	µg/L	1µg/L
34371	ETHYLBENZENE		No	EPA 602	10/02/03 5:31:00 PM	<1	µg/L	1µg/L
22417	MTBE		No	EPA 602	10/02/03 5:31:00 PM	<2	µg/L	2µg/L
78131	TOLUENE		No	EPA 602	10/02/03 5:31:00 PM	<1	µg/L	1µg/L
81551	XYLENES		No	EPA 602	10/02/03 5:31:00 PM	<3	µg/L	3µg/L

Environmental Conservation Laboratories, Inc.
10207 General Drive
Orlando, Florida 32824-8529
407 / 826-5314
Fax 407 / 850-6945
www.encolabs.com



DHRS Certification No. E83182

CLIENT : Jones Edmunds & Associates, Inc.
ADDRESS: 730 N.E.Waldo Road
Bldg.A
Gainesville, FL 32641

REPORT # : ORL28914
DATE SUBMITTED: October 2, 2003
DATE REPORTED : October 9, 2003

ATTENTION: Tim Cully

SAMPLE IDENTIFICATION

Samples submitted and
identified by client as:

REFERENCE: CITRUS CO.

03860-011-01

10/01/03

ORL28914-1	: LEACHATE EFF	@ 10:55
ORL28914-2	: EQUIPMENT BLANK #1	@ 11:30
ORL28914-3	: TRIP BLANK #1	@ 00:00

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. This data has been produced in accordance with NELAC Standards (July, 1999). This report shall not be reproduced except in full, without the written approval of the laboratory. Results for these procedures apply only to the samples as submitted.

PROJECT MANAGER

A handwritten signature in cursive script that reads "Jody Goostree".
Jody Goostree

ENCO LABORATORIES**REPORT #** : ORL28914**DATE REPORTED** : October 9, 2003**REFERENCE** : 03860-011-01**PROJECT NAME** : Citrus County Landfill**RESULTS OF ANALYSIS**

STATION NAME	PARAMETER	RESULT	UNITS	METHOD
LEACHATE EFF	TOTAL DIS. SOLIDS	2200	mg/L	EPA 160.1
LEACHATE EFF	SODIUM	630	mg/L	EPA 273.1
LEACHATE EFF	CHLORIDE	1000	mg/L	EPA 300
LEACHATE EFF	DIBROMOCHLOROPROPANE	<0.02	ug/L	EPA 504
LEACHATE EFF	ETHYLENE DIBROMIDE	<0.02	ug/L	EPA 504
LEACHATE EFF	1,2-DICHLOROBENZENE	<1	ug/L	EPA 602
LEACHATE EFF	1,3-DICHLOROBENZENE	<1	ug/L	EPA 602
LEACHATE EFF	1,4-DICHLOROBENZENE	<1	ug/L	EPA 602
LEACHATE EFF	BENZENE	<1	ug/L	EPA 602
LEACHATE EFF	CHLOROBENZENE	<1	ug/L	EPA 602
LEACHATE EFF	ETHYLBENZENE	<1	ug/L	EPA 602
LEACHATE EFF	TOTAL XYLENE	<3	ug/L	EPA 602
LEACHATE EFF	METHYL TERT-BUTYL ETHER	<2	ug/L	EPA 602
LEACHATE EFF	TOLUENE	<1	ug/L	EPA 602

ENCO LABORATORIES

REPORT # : ORL28914
DATE REPORTED : October 9, 2003
REFERENCE : 03860-011-01
PROJECT NAME : Citrus County Landfill

RESULTS OF ANALYSIS

STATION NAME	PARAMETER	RESULT	UNITS	METHOD
EQUIPMENT BLANK #1	TOTAL DIS. SOLIDS	<2	mg/L	EPA 160.1
EQUIPMENT BLANK #1	SODIUM	<1	mg/L	EPA 273.1
EQUIPMENT BLANK #1	CHLORIDE	<1	mg/L	EPA 300
EQUIPMENT BLANK #1	DISSOLVED OXYGEN	5.94	mg/L	EPA 360.1
EQUIPMENT BLANK #1	DIBROMOCHLOROPROPANE	<0.02	ug/L	EPA 504
EQUIPMENT BLANK #1	ETHYLENE DIBROMIDE	<0.02	ug/L	EPA 504
EQUIPMENT BLANK #1	1,2-DICHLOROBENZENE	<1	ug/L	EPA 602
EQUIPMENT BLANK #1	1,3-DICHLOROBENZENE	<1	ug/L	EPA 602
EQUIPMENT BLANK #1	1,4-DICHLOROBENZENE	<1	ug/L	EPA 602
EQUIPMENT BLANK #1	BENZENE	<1	ug/L	EPA 602
EQUIPMENT BLANK #1	CHLOROBENZENE	<1	ug/L	EPA 602
EQUIPMENT BLANK #1	ETHYLBENZENE	<1	ug/L	EPA 602
EQUIPMENT BLANK #1	TOTAL XYLENE	<3	ug/L	EPA 602
EQUIPMENT BLANK #1	METHYL TERT-BUTYL ETHER	<2	ug/L	EPA 602
EQUIPMENT BLANK #1	TOLUENE	<1	ug/L	EPA 602

ENCO LABORATORIES**REPORT #** : ORL28914**DATE REPORTED** : October 9, 2003**REFERENCE** : 03860-011-01**PROJECT NAME** : Citrus County Landfill**RESULTS OF ANALYSIS**

STATION NAME	PARAMETER	RESULT	UNITS	METHOD
TRIP BLANK #1	DIBROMOCHLOROPROPANE	<0.02	ug/L	EPA 504
TRIP BLANK #1	ETHYLENE DIBROMIDE	<0.02	ug/L	EPA 504
TRIP BLANK #1	1,2-DICHLOROBENZENE	<1	ug/L	EPA 602
TRIP BLANK #1	1,3-DICHLOROBENZENE	<1	ug/L	EPA 602
TRIP BLANK #1	1,4-DICHLOROBENZENE	<1	ug/L	EPA 602
TRIP BLANK #1	BENZENE	<1	ug/L	EPA 602
TRIP BLANK #1	CHLOROBENZENE	<1	ug/L	EPA 602
TRIP BLANK #1	ETHYLBENZENE	<1	ug/L	EPA 602
TRIP BLANK #1	TOTAL XYLENE	<3	ug/L	EPA 602
TRIP BLANK #1	METHYL TERT-BUTYL ETHER	<2	ug/L	EPA 602
TRIP BLANK #1	TOLUENE	<1	ug/L	EPA 602

ENCO LABORATORIES

REPORT # : ORL28914
DATE REPORTED: October 9, 2003
REFERENCE : CITRUS CO.
PROJECT NAME : 03860-011-01

PAGE 1 OF 4

RESULTS OF ANALYSIS**EPA METHOD 602 -
VOLATILE AROMATICS**

	<u>LAB BLANK</u>	<u>Units</u>
Methyl tert-butyl ether	2.0 U	ug/L
Benzene	1.0 U	ug/L
Toluene	1.0 U	ug/L
Chlorobenzene	1.0 U	ug/L
Ethylbenzene	1.0 U	ug/L
m-Xylene & p-Xylene	2.0 U	ug/L
o-Xylene	1.0 U	ug/L
1,3-Dichlorobenzene	1.0 U	ug/L
1,4-Dichlorobenzene	1.0 U	ug/L
1,2-Dichlorobenzene	1.0 U	ug/L

Surrogate:

	<u>% RECOV</u>	<u>LIMITS</u>
Bromofluorobenzene	100	64-140
Date Analyzed	10/02/03 12:09	

EPA METHOD 504

	<u>LAB BLANK</u>	<u>Units</u>
Ethylene Dibromide	0.020 U	ug/L
Dibromochloropropane	0.020 U	ug/L
Date Prepared	10/06/03	
Date Analyzed	10/07/03 11:45	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES

REPORT # : ORL28914
 DATE REPORTED: October 9, 2003
 REFERENCE : CITRUS CO.
 PROJECT NAME : 03860-011-01

PAGE 2 OF 4

RESULTS OF ANALYSIS

<u>TOTAL METALS</u>	<u>METHOD</u>	<u>LAB BLANK</u>	<u>Units</u>
Sodium	273.1	1.0 U	mg/L
Date Analyzed		10/03/03	

<u>EPA METHOD 300 - Anions by IC</u>	<u>LAB BLANK</u>	<u>Units</u>
Chloride	1.0 U	mg/L
Date Analyzed	10/06/03 16:03	

<u>MISCELLANEOUS</u>	<u>METHOD</u>	<u>LAB BLANK</u>	<u>Units</u>
Total Dis. Solids	160.1	2.0 U	mg/L
Date Analyzed		10/02/03 18:00	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES

REPORT # : ORL28914
DATE REPORTED: October 9, 2003
REFERENCE : CITRUS CO.
PROJECT NAME : 03860-011-01

PAGE 3 OF 4

LABORATORY CERTIFICATIONS

Laboratory Certification: NELAC:E83182

All analyses reported with this project were analyzed by the facility indicated unless identified below.

ENCO LABORATORIES

REPORT # : ORL28914
 DATE REPORTED: October 9, 2003
 REFERENCE : CITRUS CO.
 PROJECT NAME : 03860-011-01

PAGE 4 OF 4

QUALITY CONTROL DATA

<u>Parameter</u>	<u>% RECOVERY</u> <u>MS/MSD/LCS</u>	<u>ACCEPT</u> <u>LIMITS</u>	<u>% RPD</u> <u>MS/MSD</u>	<u>ACCEPT</u> <u>LIMITS</u>
<u>EPA Method 602</u>				
Benzene	90/ 88/ 89	72-134	2	20
Toluene	88/ 87/ 90	72-124	1	19
Ethylbenzene	90/ 93/ 92	67-129	3	21
o-Xylene	90/ 95/ 91	66-131	5	21
<u>EPA Method 504</u>				
Ethylene Dibromide	84/ 84/ 88	57-130	<1	18
Dibromochloropropane	64/ 68/ 68	60-130	6	20
<u>TOTAL METALS</u>				
Sodium, 273.1	97/102/111	63-133	5	15
<u>EPA Method 300</u>				
Chloride	92/ 92/104	51-149	<1	26
<u>MISCELLANEOUS</u>				
Total Dis. Solids, 160.1	NA/ NA/ 98	73-121	NA	NA

< = Less Than
 MS = Matrix Spike
 MSD = Matrix Spike Duplicate
 NA = Not applicable
 LCS = Laboratory Control Standard
 RPD = Relative Percent Difference

Environmental Conservation Laboratories, Inc.
Login Sample Disposition Form

Client Name: JEa

Login #: ORL28914

Proj. Name: Citrus Co. Landfill, 03800-01-01

Date Rec'd: 10/2/03 Logged By: MFoti

Samples received via:

Client Drop-off

Lab Pickup

Courier

Greyhound

LIST AND ATTACH BILLS

Container Descriptions and Preservation

Indicate presv. type and # of each

Containers	None	HCl	HNO ₃	H ₂ SO ₄	NaOH	Other
1 L Glass						
1 L Plastic						
500 ml Plastic	2					
250 ml Plastic			2			
250 ml Glass						
60 ml Soil Vial						
40 ml Vial	6	6				
Other						

Receiving Temperatures

Total Number of Coolers: _____

Cooler Number	Receipt Temperature
<u>ORL#09</u>	2-6° <u>On Ice</u> No Ice
	2-6° On Ice No Ice
	2-6° On Ice No Ice
	2-6° On Ice No Ice
	2-6° On Ice No Ice
	2-6° On Ice No Ice
	2-6° On Ice No Ice

Provide details of "No Ice" in Notification/Comments.

Sample Receipt Disposition

- | | | | |
|--|------------|----|-----|
| 1. Were sample containers received intact? | <u>Yes</u> | No | |
| 2. Were sample containers properly preserved? | <u>Yes</u> | No | |
| 3. Were proper containers used for analyses requested? | <u>Yes</u> | No | |
| 4. Do sample labels match Chain-of-Custody record? | <u>Yes</u> | No | |
| 5. Were samples received under custody seal? | <u>Yes</u> | No | |
| 6. If received under custody seal, were all seals intact? | <u>Yes</u> | No | N/A |
| 7. Were volatile containers preserved (check labels only)? | <u>Yes</u> | No | N/A |
| 8. Were aqueous volatile samples headspace-free? | <u>Yes</u> | No | N/A |
| 9. Were aqueous samples checked for residual chlorine? | Yes | No | N/A |

Any discrepancies must be noted below and approved by lab management.

Client Notification

- | | | | |
|--|---|-----------|----------|
| 1. Does client need to be notified? | Yes | <u>No</u> | |
| 2. Who notified client? | _____ | | |
| 3. Who was notified? | _____ | | |
| 4. When? | by: | Phone | Fax Mail |
| 5. Client requests following action(s) be taken: | | | |
| _____ | Continue analysis and report disposition in final report. | | |
| _____ | Cancel affected analyses only (identify in comments below). | | |
| _____ | Cancel all analyses. | | |
| _____ | Other (explain in comments below). | | |

Comments

Project Status

- ☒ Samples received into lab.
☐ Samples rejected

J. Heastree 10/2/03
APPROVED BY DATE



ENVIRONMENTAL CONSERVATION LABORATORIES

QSARF # 01603

4810 Executive Park Court, Suite 211
Jacksonville, Florida 32216-6069
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) 677-1669 • Fax (919) 677-9846

ENCO CompQAP No.: 960038G/0

CHAIN OF CUSTODY RECORD

PROJECT REFERENCE CITRUS COUNTY LANDFILL		PROJECT NO. 03860-011-01		P.O. NUMBER		MATRIX TYPE		REQUIRED ANALYSIS		PAGE / OF /		
PROJECT LOC. (State) FL.		SAMPLER(S) NAME STEVE MESSICK		PHONE (352) 377-5821		SURFACE WATER GROUND WATER WASTEWATER DRINKING WATER SOIL/SOLID/SEDIMENT NONAQUEOUS LIQUID (oil solvent etc.) AIR SLUDGE OTHER		SEE ATTACHED LEACHATE LIST 602		☒ STANDARD REPORT DELIVERY ☐ EXPEDITED REPORT DELIVERY (surcharge) Date Due: _____		
CLIENT NAME JONES EDMUNDS		CLIENT PROJECT MANAGER TIM CULLY										
CLIENT ADDRESS (CITY, STATE, ZIP) 730 N.E. WALDO RD. GAINESVILLE, FL. 32641												
SAMPLE												
STATION	DATE	TIME	GRAB	COMP	SAMPLE IDENTIFICATION	PRESERVATIVE						REMARKS
LEACHATE EFF.	10-01-03	1055	✓		2003Q4CCLEFF							
EQUIP. BLANK#1	↓	1130			2003Q4CCBL							NEW LAB BOTTLE
TRIP BLANK#1	↓	—			2003Q4CCBL							RINSEW/ DIST WATER
												QA/QC
SAMPLE KIT PREPARED BY: ☐ JACKSONVILLE ☒ ORLANDO		DATE 9/30/03	TIME 14:10	RELINQUISHED BY: (SIGNATURE) <i>Steve Messick</i>		DATE 9/30/03	TIME 14:10	RECEIVED BY: (SIGNATURE) <i>Steve Messick</i>		DATE 10/01/03	TIME 0915	
RELINQUISHED BY: (SIGNATURE) <i>Steve Messick</i>		DATE 10/01/03	TIME 1200	RECEIVED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME	
RECEIVED BY: (SIGNATURE)		DATE	TIME	RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE	TIME	
RECEIVED FOR LABORATORY BY: (SIGNATURE) ☐ Jacksonville ☒ Orlando		DATE 10/2/03	TIME 13:30	CUSTODY INTACT ☒ YES ☐ NO		ENCO LOG NO. ORL28914		REMARKS SAMPLES SHIPPED BY GREYHOUND BUS FROM GAINESVILLE, FL. TO ORLANDO, FL. STEVE MESSICK / Steve Messick				

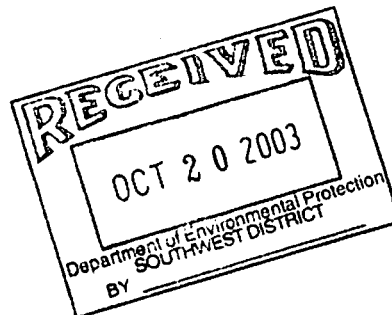


**BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF PUBLIC WORKS
SOLID WASTE MANAGEMENT DIVISION**

P.O. Box 340, Lecanto, Florida 34460
(352) 527-7670 FAX (352) 527-7672
Citrus Springs/Dunnellon area Toll Free # (352) 489-2120

October 15, 2003

Mr. John Morris
Environmental Specialist III
Dept. Of Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619-8318



RE: WEEKLY AND QUARTERLY LEACHATE MONITORING REPORT FOR CITRUS COUNTY CENTRAL LANDFILL 60 AND 80 ACRE SITES - PERMIT NO. 21375-003-SO

Dear Mr. Morris:

Enclosed please find the following leachate monitoring results for the Citrus County Central Landfill site, together with the Operator's monthly reports covering the quarterly period July 2003 through September 2003:

- 1) **Weekly effluent analytical results:** There were no exceedences of permit limits for this time period.
- 2) **Annual Influent, Annual Effluent, Quarterly Effluent and Annual Sludge analytical results:** To be forwarded by Jones, Edmunds and Associates under separate cover letter.

Please note, weekly sampling was not completed on July 16th due to the leachate treatment system failure. The leachate was disposed offsite at a County wastewater treatment plant. (Copy of notification letter attached for reference)

Should further information or clarification be necessary, please do not hesitate to contact me.

Sincerely,

Susan J. Metcalfe
Director, Division of
Solid Waste Management

CC: Tom Dick, Assistant Director, Dept. Public Works w/xls.sheet
Kim Ford, P.E., Department of Environmental Protection w/xls.sheet



Board of County Commissioners
DEPARTMENT OF PUBLIC WORKS
SOLID WASTE MANAGEMENT DIVISION

P.O. Box 340
Lecanto, FL 34460

Telephone: (352) 527-7670 Fax: (352) 527-7672
Citrus Springs/Dunnellon area - Toll Free (352) 489-2120

July 17, 2003

Kim B. Ford, P.E.
Solid Waste Section
Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619

FILE COPY

Re: Citrus County Central Landfill Permit No. 21375-003-SO

Dear Mr. Ford:

This is to inform you of a leachate treatment system failure. Overnight July 15-16, 2003 the second stage batch tank of the leachate treatment plant overflowed, discharging an estimated 3,000 gallons. This material included partly treated leachate, carbon sludge and treatment chemicals. The pH of the material in the tank was 7.8, nitrate was 18.1 mg/l and ammonia was 0.9 mg/l. The area impacted by the overflow is shown on the attached sketch.

The cause of the problem is not certain, however it is believed that a thunderstorm the previous evening caused the programmable logic controllers on the treatment tanks to "lock-up" with the result that the normal control shut-off set points were not in effect. Flow from the first to the second stage continued to overfill the second stage treatment tank until it was manually turned off.

The immediate remedy was to secure the pump and electrical systems to stop the overflow, clean the electrical and control components, and assess damage to components. At this point the only apparent equipment damage was to a fuse.

Proposed cleanup efforts include pumping stormwater in the drainage retention area, which was impacted by the overflow, to the leachate system and collecting the partially dried carbon sludge and disposing of it in the landfill cell. Those activities will be completed by July 18.

Because the storage facilities are full, due to the amount of rainfall over the past 6 weeks, partially treated leachate is being disposed offsite at a County wastewater treatment plant rather than recirculation and retreatment onsite.

Our intended long-term remedy is to install different controls and a telemetry system. This system is in the approved budget for 2003-04, which starts in October. The result will be the ability to monitor and correct plant operation functions remotely.

Please contact me if you have questions.

Sincerely,

Susan Metcalfe, Director
Solid Waste Management

CC: Tom Dick, Assistant Director, Public Works Department
John Banks, SCS Engineers, Tampa
Robert Merkel, Assistant Director, Utilities Division

CITRUS COUNTY CENTRAL LANDFILL
WEEKLY LEACHATE MONITORING

SAC Laboratories		MAXIMUM CONTAMINANT LEVEL BY PERMIT			
Results		20	10	20	
		CBOD		SUSPENDED	
DATE		< 5 day MG/L	< NITRATE MG/L	< SOLIDS MG/L	
7/2/03		3.75	0.34	2.0	
7/9/03	*	5.4	6.6	11.5	
7/16/03	* No sampling				
7/23/03		2.03	0.98	< 1.0	
7/30/03		2.1	1.5	< 1.0	
8/6/03		1.95	1.3	1.5	
8/13/03		2.87	0.48	< 1.0	
8/20/03		1.31	0.55	< 1.0	
8/27/03		2.39	1.7	< 1.0	
9/3/03		3.07	3.6	< 1.0	
9/10/03		1.7	7.1	4.5	
9/17/03		2.14	2.7	1.0	
9/24/03		2.93	0.36	6.0	
* Plant effluent recirculated due to high nitrates					

cjw

CITRUS COUNTY CENTRAL LANDFILL

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A
WHEN COMPLETED MAIL THIS REPORT TO:
DEPARTMENT OF ENVIRONMENTAL PROTECTION SOUTHWEST DISTRICT
Solid Waste Section, 3804 Coconut Palm Drive Tampa, FL 33619-8218

PERMITTEE NAME: Citrus County Board Of County Commissioners
MAILING ADDRESS: P.O. Box 340
 Lecanto, FL 34460

PERMIT NUMBER: 21375-003-SO
WACS FACILITY ID NUMBER: SWD/09/039859
TEST SITE ID NUMBER: WACS 175
MONITORING PERIOD:

FACILITY: Central Landfill Leachate Plant
LOCATION: 230 W. Gulf to Lake Hwy
 Lecanto, FL 34461

CLASS SIZE: From: 7/1 To: 07/31/2003
REPORT: 1-C
GROUP: Quarterly
 Solid Waste

COUNTY: Citrus

Please read instructions before completing this form.

Parameter		Quantity or Loading			Quality or Concentration				No. Ex	Frequency of Analysis	Sample Type
		Avg.	Max.	Units	Min.	Avg.	Max.	Units			
Flow, in conduit or thru treatment plant	Sample Measurement	0.011		MGD							
PARM Code 50053	Permit Requirement	Report Mon AVG.	.030 (3) Month Rolling Average	MGD						Daily	Metered
CBOD, 5 day 20 degree C	Sample Measurement					3.3		mg/L			
PARM Code 80082	Permit Requirement					20 (Mo. Avg.)		mg/L		Weekly	Grab
Total Suspended Solids	Sample Measurement					6.8		mg/L			
PARM Code 900201	Permit Requirement					20 (Mo. Avg.)		mg/L		Weekly	Grab
Nitrate (as N)	Sample Measurement					2.4		mg/L			
PARM Code 071850	Permit Requirement					10.0 (Mo. Avg.)		mg/L		Weekly	Grab
pH	Sample Measurement				3.1		8.1	S.U.			
PARM Code 00400	Permit Requirement				6.5 Min.		8.5 Max.	S.U.		Daily	Grab

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

Name/Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Telephone No. (include area code)	Date (yy/mm/dd)
James Brunswick Utility Operator II C-8197		(352)527-7670	04/01/03

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments hereto):

* Rolling Annual Average is the average of the current month's average and the preceding 11 monthly averages.

A-1

DAILY SAMPLE RESULTS - PART B

Three-month Average Daily Flow:	0.011
Daily Flow % of Permitted Capacity:	36.7%

PLANT STAFFING:	Day Shift Operator	Class: C	Certificate No.: 8197	Name: James Brunswick
	Evening Shift Operator	Class:	Certificate No.:	Name:
	Night Shift Operator	Class:	Certificate No.:	Name:
	Lead Operator	Class: C	Certificate No.: 8197	Name: James Brunswick
Type of Effluent Disposal or Reclaimed Water Reuse:		Perc. Pond		
Limited Wet Weather Discharge Activated: No:		Yes:	Not applicable: X	
* Attach additional sheets if necessary to list all certified operators.				

CITRUS COUNTY CENTRAL LANDFILL

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A
 WHEN COMPLETED MAIL THIS REPORT TO:
 DEPARTMENT OF ENVIRONMENTAL PROTECTION SOUTHWEST DISTRICT
 Solid Waste Section, 3804 Coconut Palm Drive Tampa, FL 33619-8218

PERMITTEE NAME: Citrus County Board Of County Commissioners
 MAILING ADDRESS: P.O. Box 340
 Lecanto, FL 34460

PERMIT NUMBER: 21375-003-SO
 WACS FACILITY ID NUMBER: SWD/09/039859
 TEST SITE ID NUMBER: WACS 175
 MONITORING PERIOD:

FACILITY: Central Landfill Leachate Plant
 LOCATION: 230 W. Gulf to Lake Hwy
 Lecanto, FL 34461

From: 8/1 To: 08/31/2003

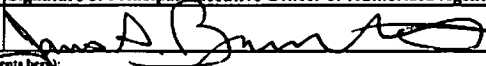
CLASS SIZE: 1-C
 REPORT: Quarterly
 GROUP: Solid Waste

COUNTY: Citrus

Please read instructions before completing this form.

Parameter		Quantity or Loading			Quality or Concentration				No. Ex	Frequency of Analysis	Sample Type
		Avg.	Max.	Units	Min.	Avg.	Max.	Units			
Flow, in conduit or thru treatment plant	Sample Measurement	0.013		MGD							
PARM Code 50053	Permit Requirement	Report Mon AVG.	.030 (3) Month Rolling Average	MGD						Daily	Metered
CBOD, 5 day 20 degree C	Sample Measurement					2.1		mg/L			
PARM Code 80082	Permit Requirement					20 (Mo. Avg.)		mg/L		Weekly	Grab
Total Suspended Solids	Sample Measurement					1.5		mg/L			
PARM Code 900201	Permit Requirement					20 (Mo. Avg.)		mg/L		Weekly	Grab
Nitrate (as N)	Sample Measurement					1.0		mg/L			
PARM Code 071850	Permit Requirement					10.0 (Mo. Avg.)		mg/L		Weekly	Grab
pH	Sample Measurement				7.4		8.5	S.U.			
PARM Code 00400	Permit Requirement				6.5 Min.		8.5 Max.	S.U.		Daily	Grab

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

Name/Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Telephone No. (include area code)	Date (yy/mm/dd)
James Brunswick Utility Operator II C-8197		(352)527-7670	04/01/03

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all stated points below)

* Rolling Annual Average is the average of the current month's average and the preceding 11 monthly averages.

A-1

DAILY SAMPLE RESULTS - PART B

Three-month Average Daily Flow	0.011
Daily Flow % of Permitted Capacity	36.7%

PLANT STAFFING		Day Shift Operator	Class	C	Certificate No.:	8197	Name:	James Brunswick
		Evening Shift Operator	Class		Certificate No.:		Name:	
		Night Shift Operator	Class		Certificate No.:		Name:	
		Lead Operator	Class	C	Certificate No.:	8197	Name:	James Brunswick
Type of Effluent Disposal or Reclaimed Water Reuse			Perme. Food					
Limited Wet Weather Discharge Activated:			No	Yes:		Not applicable:	X	
* Attach additional sheets if necessary to list all certified operators								

CITRUS COUNTY CENTRAL LANDFILL

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A
WHEN COMPLETED MAIL THIS REPORT TO:
DEPARTMENT OF ENVIRONMENTAL PROTECTION SOUTHWEST DISTRICT
Solid Waste Section, 3804 Coconut Palm Drive Tampa, FL 33619-8218

PERMITTEE NAME: Citrus County Board Of County Commissioners
MAILING ADDRESS: P.O. Box 340
 Lecanto, FL 34460

PERMIT NUMBER: 21375-003-SO
WACS FACILITY ID NUMBER: SWD/09/039859
TEST SITE ID NUMBER: WACS 175
MONITORING PERIOD:

FACILITY: Central Landfill Leachate Plant
LOCATION: 230 W. Gulf to Lake Hwy
 Lecanto, FL 34461

From: 9/1 **To:** 09/30/2003

COUNTY: Citrus

CLASS SIZE: 1-C
REPORT: Quarterly
GROUP: Solid Waste

Please read instructions before completing this form.

Parameter		Quantity or Loading			Quality or Concentration				No. Ex	Frequency of Analysis	Sample Type
		Avg.	Max.	Units	Min.	Avg.	Max.	Units			
Flow, in conduit or thru treatment plant	Sample Measurement	0.010		MGD							
PARM Code 50053	Permit Requirement	Report Mon AVG.	.030 (3) Month Rolling Average	MGD						Daily	Metered
CBOD, 5 day 20 degree C	Sample Measurement					2.5		mg/L			
PARM Code 80082	Permit Requirement					20 (Mo. Avg.)		mg/L		Weekly	Grab
Total Suspended Solids	Sample Measurement					3.8		mg/L			
PARM Code 900201	Permit Requirement					20 (Mo. Avg.)		mg/L		Weekly	Grab
Nitrate (as N)	Sample Measurement					3.4		mg/L			
PARM Code 071850	Permit Requirement					10.0 (Mo. Avg.)		mg/L		Weekly	Grab
pH	Sample Measurement				7.5		8.1	S.U.			
PARM Code 00400	Permit Requirement				6.5 Min.		8.5 Max.	S.U.		Daily	Grab

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

Name/Title of Principal Executive Officer or Authorized Agent	Signature of Principal Executive Officer or Authorized Agent	Telephone No. (include area code)	Date (yy/mm/dd)
James Brunswick Utility Operator II C-8197		(352)527-7670	04/01/03

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

* Rolling Annual Average is the average of the current month's average and the preceding 11 monthly averages.

A-1

DAILY SAMPLE RESULTS - PART B

Three-month Average Daily Flow:	0.011
Daily Flow % of Permitted Capacity:	37.0%

PLANT STAFFING	Day Shift Operator	Class	C	Certificate No :	8197	Name :	James Brunswick
	Evening Shift Operator	Class		Certificate No :		Name :	
	Night Shift Operator	Class		Certificate No :		Name :	
	Lead Operator	Class	C	Certificate No :	8197	Name :	James Brunswick
Type of Effluent Disposal or Reclaimed Water Reuse		Perme. Pond					
Limited Wet Weather Discharge Activated :		No	Yes	Not applicable:		X	

10/14/2003

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

Client CITRUS COUNTY UTILITIES **Sample Number** E031500
Project LEACHATE PLANT **Date/Time Sampled** 8/6/03 1000 HRS
Sample Description WWTP/EFF **Date/Time Received** 8/6/03 1130 HRS
Invoice Number 5903

E03-031500 RID = 03-8-1

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	1.95	0.5 mg/L	LP	8/6/03 1230 HRS
SM2540-D	TSS	mg/L	1.5	1.0 mg/L	CK	8/7/03 1100 HRS
SM4500-NO3-E	NITRATE	mg/L	1.3	0.10 mg/L	CK	8/6/03 1215 HRS

Sally Ann Carrillo
Laboratory Manager

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

Client CITRUS COUNTY UTILITIES **Sample Number** E031567
Project LEACHATE LANDFILL **Date/Time Sampled** 8/13/03 0935 HRS
Project No 50120 **Date/Time Received** 8/13/03 1154 HRS
Sample Description WWTP/INF **Invoice Number** 5903

E03-031567 R117=03-8-7

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	129.0	0.5 mg/L	LP	8/13/03 1300 HRS
SM2540-D	TSS	mg/L	17.0	1.0 mg/L	CK	8/15/03 0825 HRS

E03-031567 R117=03-8-6

Sample Description WWTP/EFF **Date/Time Sampled** 8/13/03 0930 HRS
Date/Time Received 8/13/03 1154 HRS

Method	Analytes	Units	Results	% Removal MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	2.87	97.78% 0.5 mg/L	LP	8/13/03 1300 HRS
SM2540-D	TSS	mg/L	<1	100% 1.0 mg/L	CK	8/15/03 0825 HRS
SM4500-NO3-E	NITRATE	mg/L	0.48	0.10 mg/L	CK	8/13/03 1315 HRS

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DHRS CERT IFICATION #E84589/E82574

Sally Ann Carrillo
Laboratory Manager

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

Client CITRUS COUNTY UTILITIES **Sample Number** E031613
Project LEACHATE PLANT **Date/Time Sampled** 8/20/03 0930 HRS
Sample Description WWTP/EFF **Date/Time Received** 8/20/03 1155 HRS
Invoice Number 5903

E03-031613 Rib = 03-8-8

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	1.31	0.5 mg/L	LP	8/20/03 1400 HRS
SM2540-D	TSS	mg/L	<1	1.0 mg/L	CK	8/21/03 1245 HRS
SM4500-NO3-E	NITRATE	mg/L	0.55	0.10 mg/L	CK	8/21/03 1020 HRS

Sally Ann Carrillo
Laboratory Manager

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

Client CITRUS COUNTY UTILITIES

Sample Number E031645

Project LEACHATE PLANT

Date/Time Sampled 8/27/03 1000 HRS

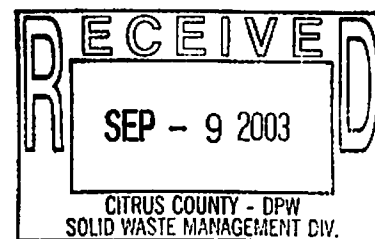
Sample Description WWTP/EFF

Date/Time Received 8/27/03 1135 HRS

Invoice Number 5903

E03-031645 RID = 03-8-9

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	2.39	0.5 mg/L	LP	8/27/03 1400 HRS
SM2540-D	TSS	mg/L	<1	1.0 mg/L	CK	8/28/03 0900 HRS
SM4500-NO3-E	NITRATE	mg/L	1.7	0.10 mg/L	CK	8/27/03 1245 HRS



Sally Ann Casullo
Laboratory Manager

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

Client CITRUS COUNTY UTILITIES **Sample Number** E031676
Project LEACHATE PLANT **Date/Time Sampled** 9/3/03 1000 HRS
Sample Description WWTP/EFF **Date/Time Received** 9/3/03 1135 HRS
Invoice Number 5954

E03-031676 RID=03-9-1

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	3.07	0.5 mg/L	LP	9/3/03 1300 HRS
SM2540-D	TSS	mg/L	<1	1.0 mg/L	CK	9/4/03 1115 HRS
SM4500-NO3-E	NITRATE	mg/L	3.6	0.10 mg/L	CK	9/3/03 1150 HRS

Sally Ann Canillo
Laboratory Manager

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

Client CITRUS COUNTY UTILITIES **Sample Number** E031772
Project LEACHATE LANDFILL **Date/Time Sampled** 9/10/03 1300 HRS
Project No 50120 **Date/Time Received** 9/10/03 1435 HRS
Sample Description WWTP/INF **Invoice Number** 5903

R115-03-9-3 E03-03.1772

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	164.0	0.5 mg/L	LP	9/10/03 1445 HRS
SM2540-D	TSS	mg/L	71.0	1.0 mg/L	CK	9/12/03 0900 HRS

R115-03-9-2 E03-03.1772

Sample Description WWTP/EFF **Date/Time Sampled** 9/10/03 1255 HRS
Date/Time Received 9/10/03 1435 HRS

Method	Analytes	Units	Results	% Removal MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	1.70	98.6% 0.5 mg/L	LP	9/10/03 1445 HRS
SM2540-D	TSS	mg/L	4.5	93.7% 1.0 mg/L	CK	9/12/03 0900 HRS
SM4500-NO3-E	NITRATE	mg/L	7.1	0.10 mg/L	CK	9/12/03 1015 HRS

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DHRS CERT IFICATION #E84589/E82574

Sally Ann Carrillo
Laboratory Manager

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

Client CITRUS COUNTY UTILITIES **Sample Number** E031795
Project LEACHATE PLANT **Date/Time Sampled** 9/17/03 1000 HRS
Sample Description WWTP/EFF **Date/Time Received** 9/17/03 1100 HRS
Invoice Number 5954

R15 = 03-9-4 E03-031795

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	2.14	0.5 mg/L	LP	9/17/03 1330 HRS
SM2540-D	TSS	mg/L	1.0	1.0 mg/L	CK	9/18/03 0830 HRS
SM4500-NO3-E	NITRATE	mg/L	2.7	0.10 mg/L	CK	9/17/03 1115 HRS

Sally Ann Carrillo
Laboratory Manager

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

Client CITRUS COUNTY UTILITIES

Sample Number E031853

Project LEACHATE PLANT

Date/Time Sampled 9/24/03 1345 HRS

Sample Description WWTP/EFF

Date/Time Received 9/24/03 1410 HRS

Invoice Number 5954

R11=03-9-5 E03-031853

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	2.93	0.5 mg/L	LP	9/24/03 1430 HRS
SM2540-D	TSS	mg/L	6.0	1.0 mg/L	CK	9/25/03 1300 HRS
SM4500-NO3-E	NITRATE	mg/L	0.36	0.10 mg/L	CK	9/24/03 1400 HRS

Sally Ann Carrillo
Laboratory Manager

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

Client CITRUS COUNTY UTILITIES **Sample Number** E031260
Project LEACHATE PLANT **Date/Time Sampled** 7/2/03 0945 HRS
Sample Description WWTP/EFF **Date/Time Received** 7/2/03 1050 HRS
Invoice Number 5835

E03-031260 R15=03-71

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	3.75	0.5 mg/L	LP	7/2/03 1130 HRS
SM2540-D	TSS	mg/L	2.0	1.0 mg/L	CK	7/3/03 0900 HRS
SM4500-NO3-E	NITRATE	mg/L	0.34	0.10 mg/L	CK	7/2/03 1115 HRS

Sally Ann Carrillo
Laboratory Manager

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

Client CITRUS COUNTY UTILITIES **Sample Number** E031304
Project LEACHATE LANDFILL **Date/Time Sampled** 7/9/03 1025 HRS
Project No 50120 **Date/Time Received** 7/9/03 1115 HRS
Sample Description WWTP/INF **Invoice Number** 5835
E03-031304 RID=03-7-3

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	276.0	0.5 mg/L	LP	7/9/03 1300 HRS
SM2540-D	TSS	mg/L	97.0	1.0 mg/L	CK	7/10/03 0900 HRS

E03-031304 RID=03-7-2 **Date/Time Sampled** 7/9/03 1015 HRS
Sample Description WWTP/EFF **Date/Time Received** 7/9/03 1115 HRS

Method	Analytes	Units	Results	% Removal MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	5.43	99.11% 0.5 mg/L	LP	7/9/03 1300 HRS
SM2540-D	TSS	mg/L	11.5	85.5% 1.0 mg/L	CK	7/10/03 0900 HRS
SM4500-NO3-E	NITRATE	mg/L	6.6	0.10 mg/L	CK	7/10/03 1045 HRS

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Sally Ann Carillo
Laboratory Manager

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

Client CITRUS COUNTY UTILITIES **Sample Number** E031417
Project LEACHATE PLANT **Date/Time Sampled** 7/23/03 1015 HRS
Sample Description WWTP/EFF **Date/Time Received** 7/23/03 1210 HRS

Invoice Number 5835

E03-031417 R117=03-7-5

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	2.03	0.5 mg/L	LP	7/23/03 1300 HRS
SM2540-D	TSS	mg/L	<1	1.0 mg/L	CK	7/24/03 1045 HRS
SM4500-NO3-E	NITRATE	mg/L	0.98	0.10 mg/L	CK	7/23/03 1440 HRS

Sally Ann Cassille
Laboratory Manager

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

Client CITRUS COUNTY UTILITIES **Sample Number** E031454
Project LEACHATE LANDFILL **Date/Time Sampled** 7/30/03 1020 HRS
Project No 50120 **Date/Time Received** 7/30/03 1155 HRS
Sample Description WWTP/INF **Invoice Number** 5835

E03-031454 RID=03-7-7

Method	Analytes	Units	Results	MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	142.0	0.5 mg/L	LP	7/30/03 1300 HRS
SM2540-D	TSS	mg/L	20.5	1.0 mg/L	CK	7/31/03 0930 HRS

E03-031454 RID=03-7-6

Sample Description WWTP/EFF **Date/Time Sampled** 7/30/03 1015 HRS
Date/Time Received 7/30/03 1155 HRS

Method	Analytes	Units	Results	% Removal MDL mg/L	Analyst	Analysis Date/Time
SM5210-B	CBOD	mg/L	2.10	98.52% 0.5 mg/L	LP	7/30/03 1300 HRS
SM2540-D	TSS	mg/L	<1	100% 1.0 mg/L	CK	7/31/03 0930 HRS
SM4500-NO3-E	NITRATE	mg/L	1.5	0.10 mg/L	CK	7/30/03 1300 HRS

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DHRS CERT IFICATION #E84589/E82574

Sally Ann Cassillo
Laboratory Manager