

3600 W. SOVEREIGN PATH
LECANTO, FLORIDA 34461

ADMINISTRATION OFFICE
Suite 212
352-527-5477 Phone
352-527-5479 Fax

ENGINEERING DIVISION:
Suite 241
352-527-5446 Phone
352-527-5476 Fax

- Land Section
Suite 205
352-527-5447 Phone
352-527-5459 Fax
- Permits & Compliance Sec.
Suite 204
352-527-5448 Phone
352-527-5319 Fax
- Project Management Sec.
Suite 241
352-527-5449 Phone
352-527-5482 Fax
- Survey Section
Suite 241
352-527-5446 Phone
352-527-5482 Fax

1300 S. LECANTO HIGHWAY
LECANTO, FLORIDA 34461

MAINTENANCE OPERATIONS:

- Facilities Maint. Section
PO Box 143
Lecanto, FL 34460
352-527-0333 Phone
352-527-0654 Fax
- Fleet Management Section
PO Box 215
Lecanto, FL 34460
352-746-6888 Phone
352-746-5011 Fax

AQUATIC SERVICES

PO Box 440
Lecanto, FL 34460
352-746-2694 Phone
352-746-9189 Fax

ROAD MAINTENANCE

PO Box 167
Lecanto, FL 34460
352-746-4107 Phone
352-746-1203 Fax

UTILITIES DIVISION

PO Box 440
Lecanto, FL 34460
352-746-2694 Phone
352-746-1676 Fax

SOLID WASTE MANAGEMENT

230 W. Gulf to Lake Highway
PO Box 340
Lecanto, FL 34460
352-746-5000 Phone
352-527-1204 Fax

4009C00086
WAC 39859

BOARD OF COUNTY COMMISSIONERS DEPARTMENT OF PUBLIC WORKS

RECEIVED

OCT 20 1999

COPY

October 20, 1999

Solid Waste Section

Mr. John Morris
Solid Waste Section
Dept. Of Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619-8318

REPLY TO:
Solid Waste Management

**RE: ANNUAL, QUARTERLY AND WEEKLY LEACHATE
MONITORING REPORT FOR CITRUS COUNTY CENTRAL LANDFILL
60 AND 80 ACRE SITES - PERMIT NO. S009-274381**

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 period 7-99 through 9-99:

Weekly effluent analytical results: There are no exceedence of permit limits during this period.

Quarterly effluent analytical results: There was one exceedence of drinking water limits during this period for total Trihalomethanes; Staff believes that the cause for the elevated THM's in the sample may have been due to an algae bloom in the chlorination tank prior to sampling. Decay of algae, thus producing organics, combined with chlorination is the most probable cause of elevated THM's. We have increased chlorination levels to about 1 ppm in an effort to keep algae blooms from occurring.

Re-sampling of THM's was completed on September 29, 1999 with one sample taken prior to chlorination, which showed non-detectable, and the other was taken after chlorination and showed 59.2 ug/l total. The chlorination process appeared to increase the total of Trihalomethanes.

Annual Influent and Annual Effluent results: At this time, we are in the process of finalizing the report(s) format with the County's new contractor. We anticipate forwarding the reports in the near future, and would like to request an extension to the reporting period.

Mr. John Morris
Third Quarter Leachate Report
Citrus County Central Landfill
October 20, 1999

Annual Waste Sludge results: There are no exceedences of compliance parameters (TCLP) during this period.

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

Sincerely,



Susan J. Metcalfe, P.G.
Director, Division of
Solid Waste Management

SJM:CJW:cjw/(swmFshared:swm_ltc:MorrisLea102099.doc)

CC: Chongman Lee, - Solid Waste - Tallahassee w/analysis
Kenneth Saunders, Director, Dept. Public Works w/xls.sheet
Kim Ford, P.E., Depart of Environmental Protection w/xls.sheet

Florida Department of Environmental Protection

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

DEP Form # 62-522.600(11)
Form Title GROUND WATER MONITORING REPORT
Effective Date _____
DEP Application No. _____

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

- (1) Facility Name CITRUS COUNTY CENTRAL LANDFILL
Address 230 W. GULF TO LAKE HIGHWAY
City LECANTO, FL Zip 34461
Telephone Number 352-746-5000
- (2) The GMS Identification Number 4009C00086
- (3) DEP Permit Number S009-274381 AND SF09-211030
- (4) Authorized Representative Name SUSAN J. METCALFE
Address P.O. BOX 340
City LECANTO, FL Zip 34461
Telephone Number 352 746-5000
- (5) Type of Discharge LEACHATE
- (6) Method of Discharge _____

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: October 20, 1999

Susan J. Metcalfe
Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

- Sample Organization Comp QAP # 980174
- Analytical Lab Comp QAP #/HRS Certification # 84549
*Comp QAP #/HRS Certification # E84589
- Lab Name ADVANCED ENVIRONMENTAL LABORATORIES, INC.
- Address 5810-D BRECKENRIDGE PARKWAY, TAMPA, FL 33610
- Phone Number (813) 630-9616

PART III ANALYTICAL RESULTS

Facility GMS #: 4009C00086

Sampling Date/Time:**Test Site ID #:**Report Period: July, 1999 Third Quarter
(year/quarter)

Well Name:

Well Purged (Y/N):

Classification of Ground Water:

Well Type: ☐ Background
☐ Intermediate
☐ Compliance
☐ Other

Ground Water Elevation (NGVD):

or (MSL):

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	* Analysis Results/Units	Detection Limits/Units
			' SEE ATTACHED '				

- Attach Laboratory Reports

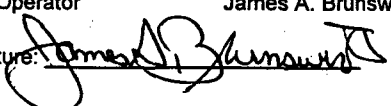
SEPT MOR 1

Domestic Wastewater Treatment Plant Monthly Operating Report

Part II - General Information

- (1) Month **SEPTEMBER** Year **99**
- (2) Plant's DEP Identification Number **4009C00086**
- (3) Plant Name **Central Landfill Leachate Plant**
- (4) Plant Address **SR 44 3 Miles East Lecanto**
- (5) City **Lecanto**
- (6) County **Citrus**
- (7) Phone Number **(352) 746-5000**
- (8) Permit Number **S-009-274381**
- (9) Plant Type **1-C**
- (10) Test Site Identification Number **N/A**
- (11) Fecal Coliform Sample Method
☒ Membrane filter ☐ Most Probable Number
- (12) Type Of Effluent Disposal or Reclaimed Water Use
N/A
- (13) Limited Wet Weather Discharge Activated
☐ Yes ☐ No ☒ Not Applicable
- (14) Cumulative Days Wet Weather Discharge **N/A**
- (15) Plant Staffing
- | | | | |
|-----------------------------|----------|-----------|-------------|
| Day Shift Operator Class | C | Cert. No. | 8197 |
| Evening Shift Operator Clas | | Cert. No. | N/A |
| Night Shift Operator Class | | Cert. No. | N/A |

Lead Operator **James A. Brunswick**

Signature:  Cert. No. **8197**

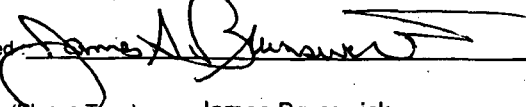
Parameter	Units	Storet Code	Value
(16) Monthly average daily flow	mgd	050053	0.014
(17) Permitted capacity	mgd		0.030
(18) Three month average daily flow	mgd	--	0.032
(19) Percent of permitted capacity	%	--	45%
(20) CBOD5 Effluent	mg/L	080082	3.0
(21) CBOD5 Effluent	lbs/day	--	N/A
(22) TSS Effluent	mg/L	900201	3.0
(23) TSS Effluent	lbs/day	--	N/A
(24) Minimum pH		--	7.3
(25) Maxium pH		--	8.3
(26) Total N	mg/L	000600	1.6
(27) TKN	mg/L	000625	1.0
(28) Ammonia (NH3 - N)	mg/L	000610	1.95
(29) Nitrate	mg/L	071850	0.58
(30) Total Phosphorus	mg/L	000665	6.0
(31) Minimum Chlorine Residual	mg/L	--	0.2
(32) Maximum Chlorine Residual	mg/L	--	0.5
(33) Other Effluent Parameters			
COD	mg/L		70.6

Domestic Wastewater Treatment Plant Monthly Operating Report

Month SEPTEMBER Year 99

Day of the Month	Flow (mgd)	Chlorine Residual after Contact	Chlorine Residual after Dechlor.	CBOD5 Influent (mg/L)	TSS Influent (mg/L)	CBOD5 Effluent (mg/L)	TSS Effluent (mg/L)	pH Effluent	TKN Effluent (mg/L)	NH3 - N Effluent (mg/L)	Nitrate Effluent (mg/L)	Total P Effluent (mg/L)	Fecal Coliform (#/100ml)	COD	TOTAL N						
1	17245	0.3				>1	>1	7.9	0.65	0.06	0.12	3.5	>1	75	0.82						
2	17165	0.5						7.9													
3	20384	0.4						7.8													
4	13658	0.5						7.8													
5																					
6	20402	0.2						7.8													
7	2863	0.4						7.9													
8	14865	0.3						7.9													
9	14802	0.3				<1	<1	7.9	0.65	0.06	0.12	3.5	<1	75	0.82						
10	10863	0.5						7.9													
11	12627	0.2						7.9													
12																					
13	20389	0.4						8.0													
14		0.4						7.9													
15	22410	0.5				<1	<1	7.8	1.3	7.4	0.20	7.8	<1	48	1.5						
16	4627	0.5						7.8													
17	15700	0.5						7.9													
18	10703	0.4						8.3													
19																					
20	17457	0.5						7.6													
21	6299	0.4						7.7													
22	15479	0.3				2.6	1.5	7.7	1.5	0.28	1.8	7.7	<1	70	3.3						
23	12346	0.3						8.0													
24	4662	0.3						7.9													
25	19958	0.4						7.8													
26																					
27	14424	0.4						7.8													
28	6744	0.3						7.3													
29	5324	0.3				3.3	4.5	7.4	0.99	<.05	0.68	7.7	22	85	1.7						
30	19246	0.5						7.8													

Lead Operator: This is to certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief this information is true, complete, and accurate.

Signed: 

Date: 10/7/99

Name (Please Type) James Brunswick

Company Name Citrus County Solid Waste Management Telephone No. (Please Type) (352) 746-5000

Domestic Wastewater Treatment Plant Monthly Operating Report

(1) Month AUGUST Year 99

(2) Plant's DEP Identification Number 4009C00086

(3) Plant Name Central Landfill Leachate Plant

(4) Plant Address SR 44 3 Miles East Lecanto

(5) City Lecanto

(6) County Citrus

(7) Phone Number (352) 746-5000

(8) Permit Number S-009-274381

(9) Plant Type 1-C

(10) Test Site Identification Number N/A

(11) Fecal Coliform Sample Method
X Membrane filter Most Probable Number

(12) Type Of Effluent Disposal or Reclaimed Water Use

N/A

(13) Limited Wet Weather Discharge Activated
Yes No X Not Applicable

(14) Cumulative Days Wet Weather Discharge N/A

[illegible]

(15) Plant Staffing			
Day Shift Operator Class	C	Cert. No.	8197
Evening Shift Operator Clas		Cert. No.	N/A
Night Shift Operator Class		Cert. No.	N/A

Lead Operator James A. Brunswick

Signature: James H. Stewart Cert. No. _____

C8197

Month **AUGUST** Year **99**

Lead Operator: This is to certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief this information is true, complete, and accurate.

(352) 746-5000

JULY MOR 1

Domestic Wastewater Treatment Plant Monthly Operating Report

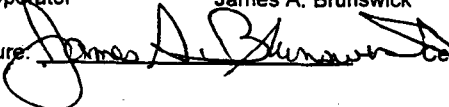
Part II - General Information

- (1) Month **JULY** Year **99**
- (2) Plant's DEP Identification Number **4009C00086**
- (3) Plant Name **Central Landfill Leachate Plant**
- (4) Plant Address **SR 44 3 Miles East Lecanto**
- (5) City **Lecanto**
- (6) County **Citrus**
- (7) Phone Number **(352) 746-5000**
- (8) Permit Number **S-009-274381**
- (9) Plant Type **1-C**
- (10) Test Site Identification Number **N/A**
- (11) Fecal Coliform Sample Method
☒ Membrane filter **Most Probable Number**
- (12) Type Of Effluent Disposal or Reclaimed Water Use
N/A
- (13) Limited Wet Weather Discharge Activated
 Yes ☐ No ☐ X Not Applicable
- (14) Cumulative Days Wet Weather Discharge **N/A**
- (15) Plant Staffing
 Day Shift Operator Class **C** Cert. No. **8197**
 Evening Shift Operator Clas Cert. No. **N/A**
 Night Shift Operator Class Cert. No. **N/A**

Parameter	Units	Storet Code	Value
(16) Monthly average daily flow	mgd	050053	0.012
(17) Permitted capacity	mgd		0.030
(18) Three month average daily flow	mgd	--	0.011
(19) Percent of permitted capacity	%	--	40%
(20) CBOD5 Effluent	mg/L	080082	<1
(21) CBOD5 Effluent	lbs/day	--	N/A
(22) TSS Effluent	mg/L	900201	1.0
(23) TSS Effluent	lbs/day	--	N/A
(24) Minimum pH		--	7.6
(25) Maxium pH		--	8.3
(26) Total N	mg/L	000600	1.3
(27) TKN	mg/L	000625	1.0
(28) Ammonia (NH3 - N)	mg/L	000610	0.4
(29) Nitrate	mg/L	071850	0.2
(30) Total Phosphorus	mg/L	000665	7.6
(31) Minimum Chlorine Residual	mg/L	--	0.2
(32) Maximum Chlorine Residual	mg/L	--	0.9
(33) Other Effluent Parameters			
COD	mg/L		42

Lead Operator

James A. Brunswick

Signature:  Cert. No.

8197

Month **JULY** Year **99**

Lead Operator: This is to certify that I am familiar with the information contained in this report and that to the best of my knowledge and belief this information is true, complete, and accurate.

Name (Please Type)

Company Name

Citrus County Solid Waste Management

Telephone No. (Please Type)

(352) 746-5000

JULY, AUGUST, SEPTEMBER, 1999

[illegible]



Advanced
Environmental Laboratories, Inc.

5810-D Breckenridge Parkway
Tampa, Florida 33610
(813) 630-9619
FAX (813) 630-4327

Client: Citrus County Central Landfill
P.O. Box 340
Lecanto, FL 34460

Effluent
W175

<CTRL-SHIFT-E>

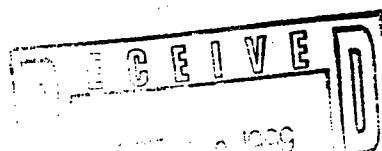
SEMLC

Field Custody: Client
Client/Field ID: Citrus County
Matrix: Wastewater
Sample Collection: 09/29/99@1100
P.O. Number
Sample Pickup: 09/29/99@1110
Lab Custody Date: 09/29/99@1315
DOH Certification: 84549,E84589
DEP/Comqap#: 980174

COMMENTS:

Parameter ID	Analysis Result	Data Qualifier	Lab ID Number	Units	Analytical Method	Detection Limit Usea	Analysis/Setup Date/Time	Analyst Initials
CBOD(Eff.) —	3.3	80082 530	T993088	mg/l	SM5210B	1	10/01/99@0800	CAW
TSS(Eff.) —	4.5	340 610	T993088	mg/l	160.2	1	10/4/99	CAW
COD —	85	620	T993088	mg/l	410.1	20	10/6/99	CAW
Ammonia —	<0.05	U600	T993088	mg/l	350.1	0.05	10/5/99	DMC
Nitrate —	0.68	625	T993088	mg/l	4500NO3F	0.05	09/29/99@1641	DMC
TN —	1.7	665	T993088	mg/l	351.2,4500NO3F	0.05	9/29/99	DMC
TKN —	0.99	31616 400	T993088	mg/l	351.2	0.05	9/30/99	DMC
TP —	7.7		T993088	mg/l	365.4	0.05	9/30/99	DMC
Fecal —	22		T993088	CFU/100ml	SM9222D	1	09/29/99@1415	CAW
Total Chlorine(Eff)	<0.1		T993088	mg/l	SM4500CLD	0.1	9/29/99	DMC
PH —	7.5		T993088	mg/l	150.1	1	9/29/99	CAW

Approved by: Michael Cammarata
Michael Cammarata, Laboratory Manager





☐ Jacksonville: 8936 Western Way, Suite 7, Jacksonville, FL 32256 • (904) 363-9350 • Fax (904) 363-9354
☐ Tampa: 5810-D Breckenridge Parkway, Tampa, FL 33610 • (813) 630-9616 • Fax (813) 630-4327

NUMBER 799308

SAMPLE ID	SAMPLE DESCRIPTION	SAMPLING		MATRIX	NO. OF CONTAIN							
		DATE	TIME									
	Post Cl ₂ Eff	9/20/99	1100	WW	5	X	X	X	X	X		-1
	Pre Cl ₂ Eff	1	1	1	2					X		-2

RECEIVED
 OCT 17 1999
 CITRUS COUNTY DPW
 SOLID WASTE MANAGEMENT DIV.

* GW—Groundwater SW—Surface Water DW—Drinking Water WW—Waste Water SO—Solid/Soil SL—Sludge HW—Hazardous Waste A—Air

FIELD PARAMETERS / COMMENTS:			TRANS. NO.	TRANSFERS RELINQUISHED BY:	ACCEPTED BY:	DATE:	TIME:
			1			9/24/85	1110
			2			9/29/85	1315
			3				
CONTAINERS/SEALS INTACT ☐ YES ☐ NO	ON ICE/4°C ☐ YES ☐ NO	SHIPPED VIA 	4				

DISTRIBUTION: White—Client Copy Yellow—Lab Copy Pink—Sample Copy



Advanced
Environmental Laboratories, Inc.

5810-D Breckenridge Parkway
Tampa, Florida 33610
(813) 630 9619
FAX (813) 630-4327

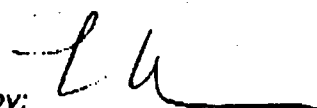
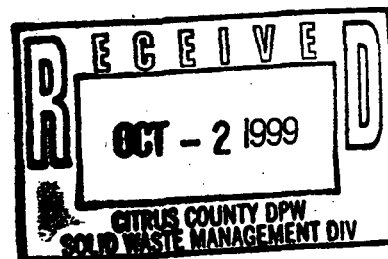
Client: Citrus County Central Landfill
P.O. Box 340
Lecanto, FL 34460

Field Custody: Client
Client/Field ID: Citrus County
Matrix: Wastewater
Sample Collection: 09/22/99@0850
P.O. Number
Sample Pickup: 09/22/99@0850
Lab Custody Date: 09/22/99@1220
DOH Certification: 84549, E84589
DEP/Comqap#: 980174

COMMENTS:

Parameter ID	Analysis Result	Data Qualifier	Lab ID Number	Units	Analytical Method	Detection Limit Usea	Analysis/Setup Date/Time	Analyst Initials
CBOD(Eff.)	2.6		T992998-01	mg/l	SM5210B	1	09/23/99@0900	CAW
TSS(Eff.)	1.5		T992998-01	mg/l	160.2	1	9/27/99	CAW
COD	70		T992998-01	mg/l	410.1	20	9/27/99	CAW
Ammonia	0.28		T992998-01	mg/l	350.1	0.05	09/23/99@1348	DMC
Nitrate	1.8		T992998-01	mg/l	4500NO3F	0.05	09/22/99@1506	DMC
TN	3.3		T992998-01	mg/l	351.2, 4500NO3F	0.05	9/22/99	DMC
TKN	1.5		T992998-01	mg/l	351.2	0.05	9/24/99	DMC
TP	7.7		T992998-01	mg/l	365.4	0.05	9/24/99	DMC
Fecal	<1	U	T992998-01	CFU/100ml	SM9222D	1	09/22/99@1400	CAW
Total Chlorine(Eff)	0.25		T992998-01	mg/l	SM4500CLD	0.1	9/22/99	DMC
PH	7.7		T992998-01	mg/l	150.1	1	9/22/99	JAE

Approved by:

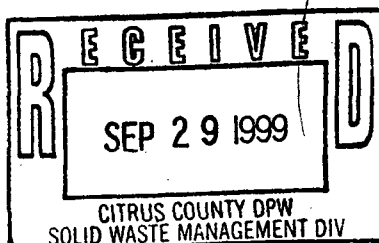

Michael Cammarata, Laboratory Manager



Advanced
Environmental Laboratories, Inc.

5810-D Breckenridge Parkway
Tampa, Florida 33610
(813) 630-9619
FAX (813) 630-4327

Client: Citrus County Central Landfill
P.O. Box 340
Lecanto, FL 34460



Field Custody: Client
Client/Field ID: Citrus County
Matrix: Wastewater
Sample Collection: 09/15/99@0900
P.O. Number
Sample Pickup: 09/15/99@0900
Lab Custody Date: 09/15/99@1230
DOH Certification: 84549,E84589
DEP/Comqap#: 980174

COMMENTS:

Parameter ID	Analysis Result	Data Qualifier	Lab ID Number	Units	Analytical Method	Detection Limit Usea	Analysis/Setup Date/Time	Analyst Initials
CBOD(Eff.)	<1	U	T992907	mg/l	SM5210B	1	09/16/99@1300	CAW
TSS(Eff.)	<1	U	T992907	mg/l	160.2	1	9/17/99	CAW
COD	48		T992907	mg/l	410.1	20	9/17/99	CAW
Ammonia	7.4		T992907	mg/l	350.1	0.05	09/16/99@1119	DMC
Nitrate	0.21		T992907	mg/l	4500NO3F	0.05	09/16/99@0815	DMC
TN	1.5		T992907	mg/l	351.2,4500NO3F	0.05	9/16/99	DMC
TKN	1.3		T992907	mg/l	351.2	0.05	9/17/99	DMC
TP	7.8		T992907	mg/l	365.4	0.05	9/17/99	DMC
Fecal	<1	U	T992907	CFU/100ml	SM9222D	1	09/15/99@1245	CAW
Total Chlorine(Eff)	0.48		T992907	mg/l	SM4500CLD	0.1	9/15/99	DMC
PH	7.8		T992907	mg/l	150.1	1	9/15/99	CAW

Approved by:

Michael Cammarata, Laboratory Manager



CHAIN OF CUSTODY RECORD

[illegible]

RECEIVED
SEP 29 1999
CIRIUS COUNTY DPW
SOLID WASTE MANAGEMENT DIV

FIELD PARAMETERS / COMMENTS:

Pick NP

DISTRIBUTION: White—Client Copy Yellow—Lab Copy Pink—Sample Copy



Advanced
Environmental Laboratories, Inc.

5810-D Breckenridge Parkway
Tampa, Florida 33610
(813) 630-9616
FAX (813) 630-4327

Client: Citrus County Central Landfill
P.O. Box 340
Lecanto, FL 34460

Field Custody: Client
Client/Field ID: Citrus County
Matrix: Wastewater
Sample Collection: 09/09/99@0900
P.O. Number
Sample Pickup: 09/09/99@0900
Lab Custody Date: 09/09/99@1130
DOH Certification: 84549,E84589
DEP/Comqap#: 980174

COMMENTS:

Parameter ID	Analysis Result	Data Qualifier	Lab ID Number	Units	Analytical Method	Detection Limit Usea	Analysis/Setup Date/Time	Analyst Initials
CBOD(Eff.)	8.9		T992824	mg/l	SM5210B	1	09/10/99@0800	CAW
TSS(Eff.)	2		T992824	mg/l	160.2	1	9/14/99	CAW
COD	31		T992824	mg/l	410.1	20	9/10/99	CAW
Ammonia	0.079		T992824	mg/l	350.1	0.05	9/14/99	DMC
Nitrate	<0.05	U	T992824	mg/l	4500NO3F	0.05	09/09/99@1732	DMC
TN	0.65		T992824	mg/l	351.2,4500NO3F	0.05	9/9/99	DMC
TKN	0.59		T992824	mg/l	351.2	0.05	9/13/99	DMC
TP	9.7		T992824	mg/l	365.4	0.05	9/13/99	DMC
Fecal	<1	U	T992824	CFU/100ml	SM9222D	1	09/09/99@1400	DMC
Total Chlorine(Eff)	0.31		T992824	mg/l	SM4500CLD	0.1	9/9/99	DMC
PH	7.6		T992824	mg/l	150.1	1	09/09/99@1200	CAW

Approved by:

Michael Cammarata, Laboratory Manager



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CHAIN OF CUSTODY RECORD

LAB USE
72824

CLIENT NAME: CITRUS COUNTY		PROJECT NAME: CITRUS COUNTY LANDFILL	
ADDRESS:		P.O. NUMBER / PROJECT NUMBER:	
PHONE: FAX:		PROJECT LOCATION:	
CONTACT:		SAMPLED BY: J. Edensfield	
TURN AROUND TIME or RESULTS DUE BY: ☐ STANDARD ☐ VERBAL ☐ RUSH ☐ FAX ☐ OTHER ☐ HARD COPY		SPECIAL INSTRUCTIONS:	

RESERVATIVE
CONTAINER
CR60 TSS PH
TK20 NH₃ + P TN COD
NO₃
FC
120
120
H2SO₄
1
B45

SAMPLE ID	SAMPLE DESCRIPTION	SAMPLING		MATERIAL	NO. OF CONTAINERS				
		DATE	TIME						
EE		9/9/99	0900	WW	4	X	X	X	X

* GW—Groundwater SW—Surface Water DW—Drinking Water WW—Waste Water SO—Solid/Soil SL—Sludge HW—Hazardous Waste A—Air

FIELD PARAMETERS / COMMENTS: Pickup	TRANS. NO.	TRANSFERS RELINQUISHED BY:	ACCEPTED BY:	DATE:	TIME:
	1	<i>Donna B. [Signature]</i>	<i>[Signature]</i>	9/9/99	0900
	2	<i>[Signature]</i>	<i>[Signature]</i>	9/9	1130
	3				
CONTAINERS/SEALS INTACT ☒ YES ☐ NO		ON ICE/4°C ☒ YES ☐ NO		SHIPPED VIA: <i>[Signature]</i>	



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FAX (813) 630-4327

Client: Citrus County Central Landfill
P.O. Box 340
Lecanto, FL 34460

Field Custody: Client
Client/Field ID: Citrus County
Matrix: Wastewater
Sample Collection: 09/01/99@0900
P.O. Number
Sample Pickup: 09/01/99@0900
Lab Custody Date: 09/01/99@1145
DOH Certification: 84549,E84589
DEP/Comqap#: 980174

COMMENTS:

Parameter ID	Analysis Result	Data Qualify	Lab ID Number	Units	Analytical Method	Detection Limit Used	Analysis/Setup Date/Time	Analyst Initials
CBOD(Eff.)	<1	U	T992745	mg/l	SM5210B	1	09/03/99@1000	CAW
TSS(Eff.)	<1	U	T992745	mg/l	160.2	1	9/3/99	CAW
COD	75		T992745	mg/l	410.1	20	9/7/99	CAW
Ammonia	0.057		T992745	mg/l	350.1	0.05	9/7/99	DMC
Nitrate	0.12		T992745	mg/l	4500NO3F	0.05	09/01/99@1509	DMC
TN	0.82		T992745	mg/l	351.2,4500NO3F	0.05	9/1/99	DMC
TKN	0.65		T992745	mg/l	351.2	0.005	9/3/99	DMC
TP	3.5		T992745	mg/l	365.4	0.05	9/3/99	DMC
Fecal	<1	U	T992745	CFU/100ml	SM9222D	1	09/01/99@1500	DMC
Total Chlorine(Eff)	0.25		T992745	mg/l	SM4500CLD	0.1	9/1/99	DMC
PH	7.9		T992745	mg/l	150.1	1	9/1/99	DMC

Approved by:

Michael Cammarata, Laboratory Manager



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CHAIN OF CUSTODY RECORD

CLIENT NAME:	PROJECT NAME: CITRUS COUNTY Landfill	RESERVATIVE CONTAINER 1 1 120 120 BAS PC NO 3 TP NH₃ + N TAN CBod TSS PH
ADDRESS:	P.O. NUMBER / PROJECT NUMBER:	
PHONE: FAX:	PROJECT LOCATION:	
CONTACT: Jim Brunswick	SAMPLED BY: J. Edouffield	
TURN AROUND TIME or RESULTS DUE BY: ☐ STANDARD ☐ RUSH ☐ OTHER ☐ VERBAL ☐ FAX ☐ HARD COPY	SPECIAL INSTRUCTIONS:	

SAMPLE ID	SAMPLE DESCRIPTION	SAMPLING		MATRIX	NO OF CONTAIN.	LAB USE									
		DATE	TIME												
15EE		9/1/99	0900	WW	4	X	X	X	X						

* GW—Groundwater SW—Surface Water DW—Drinking Water WW—Waste Water SO—Solid/Soil SL—Sludge HW—Hazardous Waste A—Air

FIELD PARAMETERS / COMMENTS: Rock	TRANS. NO.	TRANSFERS RELINQUISHED BY:	ACCEPTED BY:	DATE:	TIME:
	1	<i>[Signature]</i>	<i>Clare Smith</i>	9/1/99	0900
	2	<i>[Signature]</i>	<i>[Signature]</i>	9/1	1145
	3				
	4				
CONTAINERS/SEALS INTACT ☒ YES ☐ NO	ON ICE/4°C ☒ YES ☐ NO	SHIPPED VIA			



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FAX (813) 630-4327

Client: Citrus County Central Landfill
P.O. Box 340
Lecanto, FL 34460

Field Custody: Client
Client/Field ID: Citrus County
Matrix: Wastewater
Sample Collection: 8/25/99@90845
P.O. Number
Sample Pickup: 8/25/99@0845
Lab Custody Date: 8/25/99@1130
DOH Certification: 84549, E84589
DEP/Comqap#: 980174

COMMENTS:

Parameter ID	Analysis Result	Data Qualifier	Lab ID Number	Units	Analytical Method	Detection Limit Usec	Analysis/Setup Date/Time	Analyst Initials
CBOD(Eff.)	1.6		T992676	mg/l	SM5210B	1	8/25/99@1200	CAW
TSS(Eff.)	<1	U	T992676	mg/l	160.2	1	8/26/99	CAW
COD	34		T992676	mg/l	410.1	20	8/27/99	CAW
Ammonia	0.1		T992676	mg/l	350.1	0.05	8/31/99	DMC
Nitrate	0.2		T992676	mg/l	4500NO3F	0.05	8/25/99@1149	DMC
TN	0.58		T992676	mg/l	351.2, 4500NO3F	0.05	8/27/99	DMC
TKN	0.35		T992676	mg/l	351.2	0.05	8/27/99	DMC
TP	2.1		T992676	mg/l	365.4	0.05	8/27/99	DMC
Fecal	<1	U	T992676	CFU/100ml	SM9222D	1	8/25/99@1300	CAW
Total Chlorine(Eff)	0.35		T992676	mg/l	SM4500CLD	0.1	8/25/99	DMC
PH	8		T992676	mg/l	150.1	1	8/25/99@1130	CAW

Approved by: 
Michael Cammarata, Laboratory Manager



CHAIN OF CUSTODY RECORD

JOB NUMBER 172676

CLIENT NAME:	PROJECT NAME: CITRUS COUNTY LANDFILL
ADDRESS: P.O. Box 340 LANCASTO	P.O. NUMBER / PROJECT NUMBER:
PHONE: FAX:	PROJECT LOCATION:
CONTACT: Jim BROWNSWICK	SAMPLED BY: J Edenfield
TURN AROUND TIME or RESULTS DUE BY:	SPECIAL INSTRUCTIONS:
☐ STANDARD ☐ RUSH ☐ OTHER	☐ VERBAL ☐ FAX ☐ HARD COPY

CAPD TSS PH
 TP TANAH 3-TU COG
 NO 3
 EC

[illegible]

* GW—Groundwater SW—Surface Water DW—Drinking Water WW—Waste Water SO—Solid/Soil SL—Sludge HW—Hazardous Waste A—Air

FIELD PARAMETERS / COMMENTS:			TRANS. NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY:	DATE:	TIME:
			1	<i>[Signature]</i>	<i>[Signature]</i>	8/25	845
			2	<i>[Signature]</i>	<i>[Signature]</i>	8/25	1130
			3				
CONTAINERS/SEALS INTACT ☐ YES ☐ NO	ON ICE/4°C ☐ YES ☐ NO	SHIPPED VIA	4				

DISTRIBUTION: **White—Client Copy** **Yellow—Lab Copy** **Pink—Sample Copy**



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Tampa, Florida 33610
(813) 630-9619
FAX (813) 630-4327

Client: Citrus County Central Landfill
P.O. Box 340
Lecanto, FL 34460

Field Custody: Client
Client/Field ID: Citrus County
Matrix: Wastewater
Sample Collection: 8/18/99@0840
P.O. Number
Sample Pickup: 8/18/99@0845
Lab Custody Date 8/18/99@1200
DOH Certification 84549,E84589
DEP/Comqap#: 980174

COMMENTS:

Parameter ID	Analysis Result	Data Qualifier	Lab ID Number	Units	Analytical Method	Detection Limit Usec	Analysis/Setup Date/Time	Analyst Initials
CBOD(Eff.)	3.6		T992599	mg/l	SM5210B	1	8/18/99@1100	CAW
TSS(Eff.)	5	U	T992599	mg/l	160.2	1	8/19/99	CAW
COD	55		T992599	mg/l	410.1	20	8/19/99	CAW
Ammonia	0.31		T992599	mg/l	350.1	0.05	8/18/99	DMC
Nitrate	<0.05	U	T992599	mg/l	4500NO3F	0.05	8/19/99@0909	DMC
TN	0.62		T992599	mg/l	351.2,4500NO3F	0.05	8/19/99	DMC
TKN	0.62		T992599	mg/l	351.2	0.05	8/19/99	DMC
TP	7		T992599	mg/l	365.4	0.05	8/19/99	DMC
Fecal	2		T992599	CFU/100ml	SM9222D	1	8/18/99@1315	CAW
Total Chlorine(Eff)	<0.1	U	T992599	mg/l	SM4500CLD	0.1	8/19/99	DMC
PH	7.5		T992599	mg/l	150.1	1	8/18/99	CAW

Approved by:


Michael Cammarata, Laboratory Manager



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CHAIN OF CUSTODY RECORD

JOB NUMBER: 19257

CLIENT NAME:	PROJECT NAME:	RESERVATION 1 H2504 CONTAINER SIZE AND TYPE IP TN COD + KN NH3 NO3 FC
ADDRESS: P.O. Box 340 LARGANTO	P.O. NUMBER / PROJECT NUMBER:	
PHONE: FAX:	PROJECT LOCATION:	
CONTACT: Jim BRUNSWICK	SAMPLED BY: J Edonfield	
TURN AROUND TIME or RESULTS DUE BY:	SPECIAL INSTRUCTIONS:	
☐ STANDARD ☐ VERBAL ☐ RUSH ☐ FAX ☐ OTHER ☐ HARD COPY		LAB USE:

SAMPLE ID	SAMPLE DESCRIPTION	SAMPLING		MATRIX	NO. OF CONTAINERS				
		DATE	TIME						
	EFF	8/18/99	0840	WW	4	X	X	X	X

RECEIVED
AUG 30 1999
CITRUS COUNTY DEPT OF ENVIRONMENTAL HEALTH
SOLID WASTE

* GW—Groundwater SW—Surface Water DW—Drinking Water WW—Waste Water SO—Solid/Soil SL—Sludge HW—Hazardous Waste A—Air

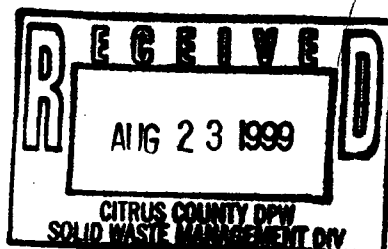
FIELD PARAMETERS / COMMENTS: Pick up	TRANS. NO.	TRANSFERS RELINQUISHED BY:	ACCEPTED BY:	DATE:	TIME:
	1	J Edonfield	James D. Brown	8/18/99	845
	2	J Edonfield	J Edonfield	8/18/99	200
	3				
	4				
CONTAINERS/SEALS INTACT: YES ☒ NO ☐		ONCE/4°C: YES ☒ NO ☐		SHIPPED VIA:	



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FAX (813) 630-4327

Client: Citrus County Central Landfill
P.O. Box 340
Lecanto, FL 34460



Field Custody: Client
Client/Field ID: Citrus County
Matrix: Wastewater
Sample Collection: 8/11/99@0920
P.O. Number
Sample Pickup: 8/11/99@0920
Lab Custody Date: 8/11/99@1220
DOH Certification: 84549, E84589
DEP/Comqap#: 980174

COMMENTS:

Parameter ID	Analysis Result	Data Qualifier	Lab ID Number	Units	Analytical Method	Detection Limit Usea	Analysis/Setup Date/Time	Analyst Initials
CBOD(Eff.)	3.9		T992501	mg/l	SM5210B	1	8/12/99@1700	CAW
TSS(Eff.)	5.5		T992501	mg/l	160.2	1	8/16/99	CAW
COD	37		T992501	mg/l	410.1	20	8/9/99	CAW
Ammonia	0.2		T992501	mg/l	350.1	0.05	8/12/99	DMC
Nitrate	<0.05	U	T992501	mg/l	4500NO3F	0.05	8/12/99@1552	DMC
TN	1.8		T992501	mg/l	351.2, 4500NO3F	0.05	8/12/99	DMC
TKN	1.8		T992501	mg/l		0.05	8/12/99	DMC
TP	12		T992501	mg/l	365.4	0.05	8/12/99	DMC
Fecal	<1	U	T992501	CFU/100ml	SM9222D	1	8/11/99@1300	CAW
Total Chlorine(Eff)	0.16		T992501	mg/l	SM4500CLD	0.1	8/11/99	DMC
PH	8.2		T992501	mg/l	150.1	1	8/11/99	CAW

Approved by:


Michael Cammarata, Laboratory Manager



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CHAIN OF CUSTODY RECORD

JOB NUMBER: 1882501

CLIENT NAME: P.O. Box LANCANTO		PROJECT NAME: CITRUS COUNTY LANDFILL	
ADDRESS:		P.O. NUMBER / PROJECT NUMBER:	
PHONE:		PROJECT LOCATION:	
FAX:			
CONTACT: Jim BRUNSWICK		SAMPLED BY: J Edenfield	
TURN AROUND TIME or RESULTS DUE BY:		SPECIAL INSTRUCTIONS:	
☐ STANDARD ☐ VERBAL ☐ RUSH ☐ FAX ☐ OTHER ☐ HARD COPY			

PRESERVATIVE CONTAINERS
CBod TSS PH
+ P NH3 + KEN COD IN 120 H2SO4
NO3
FC
120
BIAS

SAMPLE ID	SAMPLE DESCRIPTION	SAMPLING		MATERIAL	NO. OF CONTAINERS										
		DATE	TIME												
	EEF	8/11/99	920	WW	4	X	X	X	X						

* GW—Groundwater SW—Surface Water DW—Drinking Water WW—Waste Water SO—Solid/Soil SL—Sludge HW—Hazardous Waste A—Air

FIELD PARAMETERS / COMMENTS: Pickup	TRANS. NO.	TRANSFERS RELINQUISHED BY:	ACCEPTED BY:	DATE:	TIME:
	1	J. Edenfield	Dan Chalk	8/11	920
	2	J. Edenfield	J. Edenfield	8/11	1220
	3				
	4				
CONTAINERS/SEALS INTACT ☒ YES ☐ NO		ON ICE/4°C ☒ YES ☐ NO		SHIPPED VIA	



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Tampa, Florida 33610
(813) 630-9619
FAX (813) 630-4327

Client: Citrus County Central Landfill
P.O. Box 340
Lecanto, FL 34460

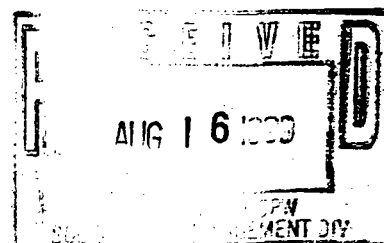
Field Custody: Client
Client/Field ID: Citrus County
Matrix: Wastewater
Sample Collection: 8/4/99@0900
P.O. Number
Sample Pickup: 8/4/99@0900
Lab Custody Date: 8/4/99@1215
DOH Certification: 84549,E84589
DEP/Comqap#: 980174

COMMENTS:

Parameter ID	Analysis Result	Data Qualifier	Lab ID Number	Units	Analytical Method	Detection Limit Usea	Analysis/Setup Date/Time	Analyst Initials
CBOD(Eff.)	2		T992405	mg/l	SM5210B	1	8/6/99@0900	CAW
TSS(Eff.)	<1	U	T992405	mg/l	160.2	1	8/10/99	CAW
COD	91		T992405	mg/l	410.1	20	8/9/99	CAW
Ammonia	<0.05	U	T992405	mg/l	350.1	0.05	8/10/99	DMC
Nitrate	<0.05	U	T992405	mg/l	4500NO3F	0.05	8/4/99@1322	DMC
TN	0.95		T992405	mg/l	351.2,4500NO3F	0.05	8/9/99	DMC
TKN	0.95		T992405	mg/l		0.05	8/9/99	DMC
TP	4.7		T992405	mg/l	365.4	0.05	8/9/99	DMC
Fecal	26		T992405	CFU/100ml	SM9222D	1	8/4/99@1430	CAW
Total Chlorine(Eff)	0.15		T992405	mg/l	SM4500CLD	0.1	8/4/99	DMC
PH	6.5			mg/l	150.1	1		

Approved by:

Michael Cammarata, Laboratory Manager





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CHAIN OF CUSTODY RECORD

JOB NUMBER: **782405**

CLIENT NAME:		PROJECT NAME: CITRUS COUNTY SANDFILL		PRESERVATIVE CONTAINER SIZE AND TYPE 2CAC TP TN TN NH 3 Ccd R6 H2SO4 NO3 FC 1
ADDRESS: P.O. Box 340 LAKANTO		P.O. NUMBER / PROJECT NUMBER:		
PHONE: FAX:		PROJECT LOCATION:		
CONTACT: Jim BRUNSWICK		SAMPLED BY: J Edonfield		
TURN AROUND TIME or RESULTS DUE BY:		SPECIAL INSTRUCTIONS:		
☐ STANDARD ☐ RUSH ☐ OTHER		☐ VERBAL ☐ FAX ☐ HARD COPY		LAB USE

SAMPLE ID	SAMPLE DESCRIPTION	SAMPLING		MATRIX	NO. OF CONTAIN.							
		DATE	TIME									
	EFF	8/4/99	0900	WW	4	X	X	X	X			

* GW—Groundwater SW—Surface Water DW—Drinking Water WW—Waste Water SO—Solid/Soil SL—Sludge HW—Hazardous Waste A—Air

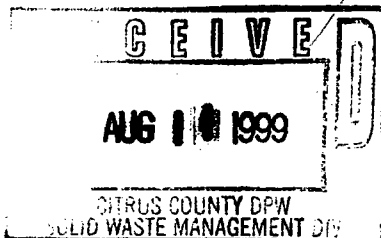
FIELD PARAMETERS / COMMENTS: Pickup	TRANS. NO.	TRANSFERS RELINQUISHED BY:	ACCEPTED BY:	DATE:	TIME:
	1	<i>[Signature]</i>	<i>[Signature]</i>	8/4	0700
	2	<i>[Signature]</i>	<i>[Signature]</i>	8/4	1215
	3	<i>[Signature]</i>	<i>[Signature]</i>		
	4				



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Tampa, Florida 33610
(813) 630-9619
FAX (813) 630-4327

Client: Citrus County Central Landfill
P.O. Box 340
Lecanto, FL 34460



Field Custody: Client
Client/Field ID: Citrus County
Matrix: Wastewater
Sample Collection: 0728/99@0950
P.O. Number
Sample Pickup: 07/28/99@0950
Lab Custody Date: 07/28/99@1300
DOH Certification: 84549,E84589
DEP/Comqap#: 980174

COMMENTS:

Parameter ID	Analysis Result	Data Qualifier	Lab ID Number	Units	Analytical Method	Detection Limit Usea	Analysis/Setup Date/Time	Analyst Initials
CBOD(Eff.)	<<1	U	T992322	mg/l	SM5210B	1	07/30/99@0930	CAW
TSS(Eff.)	<1	U	T992322	mg/l	160.2	1	7/29/99	CAW
COD	62		T992322	mg/l	410.1	20	8/2/99	CAW
Ammonia	<0.05	U	T992322	mg/l	350.1	0.05	8/3/99	DMC
Nitrate	0.17		T992322	mg/l	4500NO3F	0.05	07/29/99@1652	DMC
TN	1.3		T992322	mg/l	351.2,4500NO3F	0.05	7/29/99	DMC
TKN	1.1		T992322	mg/l		0.05	7/30/99	DMC
TP	11		T992322	mg/l	365.4	0.05	7/30/99	DMC
Fecal	<1	U	T992322	CFU/100ml	SM9222D	1	07/28/99@1400	DMC
Total Chlorine(Eff)	6.3		T992322	mg/l	SM4500CLD	0.1	7/28/99	DMC
PH	8.3		T992322	mg/l	150.1	1	7/28/99	CAW

Approved by:

Michael Cammarata, Laboratory Manager



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JOB NUMBER 2722

CLIENT NAME:	PROJECT NAME: CITRUS COUNTY LANDFILL
ADDRESS: P.O. BOX 340 CANCANTO	P.O. NUMBER / PROJECT NUMBER:
PHONE: 746-9000	PROJECT LOCATION:
FAX:	SAMPLED BY: J EDENFIELD
CONTACT: Jim Brunswick	SPECIAL INSTRUCTIONS:
TURN AROUND TIME or RESULTS DUE BY:	
☐ STANDARD ☐ RUSH ☐ OTHER	☐ VERBAL ☐ FAX ☐ HARD COPY

CONTAINER
NO. 120
H2SO4
120
BAG

[illegible]

* GW—Groundwater SW—Surface Water DW—Drinking Water WW—Waste Water SO—Solid/Soil SL—Sludge HW—Hazardous Waste A—Air

FIELD PARAMETERS / COMMENTS:		TRANS. NO.	TRANSFERS RELINQUISHED BY:	ACCEPTED BY:	DATE:	TIME:
		1	J. Adolph	R. Ear	7/28	955
		2	J. Adolph	J. Adolph	7/28	1300
		3				
Pickup		4				

CONTAINERS/SEALS INTACT
☒ YES ☐ NO

ONCE/4°C
☒ YES ☐ NO

SHIPPED VIA

DISTRIBUTION: White—Client Copy Yellow—Lab Copy Pink—Sample Copy



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Tampa, Florida 33610
(813) 630-9619
FAX (813) 630-4327

Client: Citrus County Central Landfill
P.O. Box 340
Lecanto, FL 34460

Field Custody: Client
Client/Field ID: Citrus County
Matrix: Wastewater
Sample Collection: 07/21/99@1000
P.O. Number
Sample Pickup: 07/21/99@1000
Lab Custody Date: 07/21/99@1300
DOH Certification: 84549,E84589
DEP/Comqap#: 980174

COMMENTS:

Parameter ID	Analysis Result	Data Qualifier	Lab ID Number	Units	Analytical Method	Detection Limit Usea	Analysis/Setup Date/Time	Analyst Initials
CBOD(Eff.)	<1	U	T992187	mg/l	SM5210B	1	07/22/99@0800	CAW
TSS(Eff.)	<1		T992187	mg/l	160.2	1	7/26/99	CAW
COD	38		T992187	mg/l	410.1	20	7/23/99	CAW
Ammonia	0.29		T992187	mg/l	350.1	0.05	7/28/99	DMC
Nitrate	0.34		T992187	mg/l	4500NO3F	0.05	07/21/99@1725	DMC
TN	1.2		T992187	mg/l	351.2,4500NO3F	0.05	7/26/99	DMC
TKN	0.82		T992187	mg/l		0.05	7/26/99	DMC
TP	7.3		T992187	mg/l	365.4	0.05	7/26/99	DMC
Fecal	100		T992187	CFU/100ml	SM9222D	1	07/21/99@1330	CAW
Total Chlorine(Eff)	0.13		T992187	mg/l	SM4500CLD	0.1	7/21/99	DMC
PH	8.3		T992187	mg/l	150.1	1	7/22/99	DMC

Approved by: 
Michael Cammarata, Laboratory Manager

AUG - 2



CHAIN OF CUSTODY RECORD

JOB NUMBER 92297

CLIENT NAME:	PROJECT NAME: ATTERUS COUNTY LANDFILL	PRESERVATIVE CONTAINER NO. 3 FC Cbad 7SS PH TAVU 3 TTP TNAVH3 Coad 120 HESOX 120 1
ADDRESS: P.O. Box 340 LANCANTO	P.O. NUMBER / PROJECT NUMBER:	
	PROJECT LOCATION:	
PHONE: FAX:		
CONTACT: Jim Brunswick	SAMPLED BY: J Edenfield	
TURN AROUND TIME or RESULTS DUE BY:	SPECIAL INSTRUCTIONS:	
☐ STANDARD ☐ VERBAL _____ ☐ RUSH _____ ☐ FAX _____ ☐ OTHER _____ ☐ HARD COPY _____		

[illegible]

* GW—Groundwater SW—Surface Water DW—Drinking Water WW—Waste Water SO—Solid/Soil SL—Sludge HW—Hazardous Waste A—Air

FIELD PARAMETERS / COMMENTS:			TRANS. NO.	TRANSFERS RELINQUISHED BY:	ACCEPTED BY:	DATE:	TIME:
			1	<i>[Signature]</i>	<i>[Signature]</i>	7/22	10:00
			2	<i>[Signature]</i>	<i>[Signature]</i>	7/22	1300
			3				
CONTAINERS/SEALS IN ACT ☒ YES ☐ NO			ON ICE/4°C ☒ YES ☐ NO			PHILIPPS ☒ YES ☐ NO	
Rick VR			4				



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Tampa, Florida 33610
(813) 630-9619
FAX (813) 630-4327

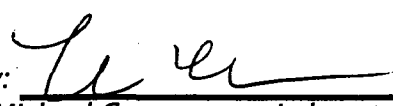
Client: Citrus County Central Landfill
P.O. Box 340
Lecanto, FL 34460

Field Custody: Client
Client/Field ID: Citrus County
Matrix: Wastewater
Sample Collection: 07/15/99@1530
P.O. Number
Sample Pickup:
Lab Custody Date: 07/15/99@1740
DOH Certification: 84549,E84589
DEP/Comqap#: 980174

COMMENTS:

Parameter ID	Analysis Result	Data Qualifier	Lab ID Number	Units	Analytical Method	Detection Limit Usea	Analysis/Setup Date/Time	Analyst Initials
CBOD(Eff.)	<1	U	T992187	mg/l	SM5210B	1	07/16/99@1214	DMC
TSS(Eff.)	4		T992187	mg/l	160.2	1	7/20/99	CAW
COD	48		T992187	mg/l	410.1	20	7/23/99	CAW
Ammonia	1		T992187	mg/l	350.1	0.05	7/19/99	DMC
Nitrate	0.16		T992187	mg/l	4500NO3F	0.05	07/16/99@1132	DMC
TN	0.96		T992187	mg/l	351.2,4500NO3F	0.05	7/26/99	DMC
TKN	0.8		T992187	mg/l		0.05	7/26/99	DMC
TP	6.5		T992187	mg/l	365.4	0.05	7/26/99	DMC
Fecal	<1	U	T992187	CFU/100ml	SM9222D	1	07/15/99@1800	CAW
Total Chlorine(Eff)	0.3		T992187	mg/l	SM4500CLD	0.1	7/15/99	DMC
PH	8.3		T992187	mg/l	150.1	1	7/15/99	DMC

Approved by:


Michael Cammarata, Laboratory Manager

AUG - 2



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☐ Tampa: 5810-D Breckenridge Parkway, Tampa, FL 33610 • (813) 630-9616 • Fax (813) 630-4327

CHAIN OF CUSTODY RECORD

JOB NUMBER
1997-10-1

CLIENT NAME: CITRUS COUNTY		PROJECT NAME: CITRUS COUNTY LANDFILL	
ADDRESS:		P.O. NUMBER / PROJECT NUMBER:	
PHONE: FAX:		PROJECT LOCATION:	
CONTACT: Jim BRUNSWICK		SAMPLED BY:	
TURN AROUND TIME or RESULTS DUE BY:		SPECIAL INSTRUCTIONS:	
☐ STANDARD ☐ VERBAL ☐ RUSH ☐ FAX ☐ OTHER ☐ HARD COPY			

SAMPLE ID	SAMPLE DESCRIPTION	SAMPLING		MATRIX	NO. OF CONTAINERS										
		DATE	TIME												
	Weekly Plant	7/15	1530	WW	4	X	X	X	X						1

* GW—Groundwater SW—Surface Water DW—Drinking Water WW—Waste Water SO—Solid/Soil SL—Sludge HW—Hazardous Waste A—Air

FIELD PARAMETERS / COMMENTS:	TRANS. NO.	TRANSFERS RELINQUISHED BY:	ACCEPTED BY:	DATE:	TIME:
	1			7/15	1740
	2				
	3				
CONTAINERS/SEALS INTACT ☐ YES ☐ NO		ON ICE/4°C ☐ YES ☐ NO	SHIPPED VIA:	4	



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Tampa, Florida 33610
(813) 630-9619
FAX (813) 630-4327

Client: Citrus County Central Landfill
P.O. Box 340
Lecanto, FL 34460

Field Custody: Client
Client/Field ID: Citrus County
Matrix: Wastewater
Sample Collection: 07/06/99@1000
P.O. Number
Sample Pickup: 07/06/99@1000
Lab Custody Date: 07/06/99@1500
DOH Certification: 84549,E84589
DEP/Comqap#: 980174

COMMENTS:

Parameter ID	Analysis Result	Data Qualifier	Lab ID Number	Units	Analytical Method	Detection Limit Usea	Analysis/Setup Date/Time	Analyst Initials
CBOD(Eff.)	<1	U	T992049	mg/l	SM5210B	1	07/07/99@0930	CAW
TSS(Eff.)	<1	U	T992049	mg/l	160.2	1	7/7/99	CAW
COD	20		T992049	mg/l	410.1	20	7/9/99	CAW
Ammonia	0.073		T992049	mg/l	350.1	0.05	07/08/99@1308	DMC
Nitrate	0.19		T992049	mg/l	4500NO3F	0.05	07/07/99@0706	DMC
TN	1.8		T992049	mg/l	351.2,4500NO3F	0.05	7/7/99	DMC
TKN	1.6		T992049	mg/l	351.2	0.05	7/7/99	DMC
TP	5.5		T992049	mg/l	365.4	0.05	7/7/99	DMC
Fecal	<1	U	T992049	CFU/100ml	SM9222D	1	07/06/99@1330	CAW
Total Chlorine(Eff)	0.5		T992049	mg/l	SM4500CLD	0.1	7/6/99	DMC
PH	7.9		T992049	mg/l	150.1	1	7/6/99	CAW

Approved by:


Michael Cammarata, Laboratory Manager



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CHAIN OF CUSTODY RECORD

CLIENT NAME:	PROJECT NAME: CITRUS COUNTY LAND FILL
ADDRESS: PO Box 340 LANCASTO	P.O. NUMBER / PROJECT NUMBER:
PHONE: 746-5000	FAX:
CONTACT: Jim BRUNSWICK	SAMPLED BY: J EDENFIELD
TURN AROUND TIME or RESULTS DUE BY:	SPECIAL INSTRUCTIONS:
☐ STANDARD ☐ VERBAL ☐ RUSH ☐ FAX ☐ OTHER ☐ HARD COPY	

EFF	7/6/99	10:00	WW	4	X	X	X	X

* GW—Groundwater SW—Surface Water DW—Drinking Water WW—Waste Water SO—Solid/Soil SL—Sludge HW—Hazardous Waste A—Air

FIELD PARAMETERS / COMMENTS:	TRANS. NO.	TRANSFERS RELINQUISHED BY:	ACCEPTED BY:	DATE:	TIME:
	1	J Edenfield	Jim Brunswick	7/6	10:00
	2	J Edenfield	J Edenfield	7/6	1500
	3				
	4				

CITRUS COUNTY CENTRAL LANDFILL
Leachate Treatment Facility Monitoring

	MCL	BY	SAMPLE	RESAMPLE 9/29/99		
NOTE: MCL OR GC* UG/L UNLESS	FL GW GC	PERMIT	DATE:			
MG/L INDICATED	DOC 1994	SO09-		PRE CL2		POST CL2
	FOR INFO	274381	< 7/15/99 <		<	
QUARTERLY PARAMETERS:						
CHLORIDE MG/L	250	ZOD	850			
SODIUM MG/L	160	ZOD *	341			
TOTAL DISSOLVED SOLIDS MG/L	500	ZOD *	1,280			
ARSENIC	50	N/A	6.0			
BARIUM	2,000	N/A <	1,000			
CADMIUM	5	N/A <	1.0			
CHROMIUM	100	N/A <	5.0			
IRON MG/L	0.3	N/A *	0.372			
MERCURY	2	N/A <	2.0			
LEAD	15	N/A <	5.0			
SELENIUM	50	N/A <	5.0			
SILVER	100	N/A <	100.0			
TOTAL TRIHALOMETHANES	100	N/A	301.4 <	1		59.2
(BROMODICHLOROMETHANE)		8.4	<	1		3
(DIBROMOCHLOROMETHANE)		105	<	1		14.1
(TRIBROMOMETHANE-BROMOFORM)		188	<	1		42.1
(TRICHLOROMETHANE-CHLOROFORM)		<1	<	1 <		1
BENZENE	1	N/A <	1.0			
TOLUENE	1,000	N/A <	1.0			
ETHYLBENZENE	700	N/A	1.5			
TOTAL XYLENES	10,000	N/A <	2.0			
ETHYLENE DIBROMIDE (EDB)	0.02	N/A <	0.02			
(1,2-DIBROMOETHANE)						
*Sampled 9/22/99						
cjw						



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5810-D Breckenridge Parkway
Tampa, Florida 33610
(813) 630-9616
FAX (813) 630-4327

Client: Citrus County Central Landfill
P.O. Box 340
Lecanto, FL 34460

Project Location: Pre Cl2 Eff

Project Number:
Matrix Waste Water

Report No.: T993088
Date Reported: 10/07/99
Date/Time Sampled: 09/29/99@1100
Date/Time Recieved: 09/29/99@1315
Lab ID: 84549, E84589
Comqap: 980174

Units: ug/l

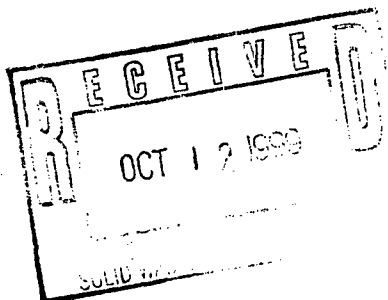
Lab Code: T993088-02
Sample Name:

Analytes	EPA Method	MRL	Date Analyzed	Results	Analyst
Chloroform	5030/8021	1	10/03/99	*<1U	LC
Bromodichloromethane	5030/8021	1	10/03/99	*<1U	LC
Dibromochloromethane	5030/8021	1	10/03/99	*<1U	LC
Bromoform	5030/8021	1	10/03/99	*<1U	LC
Total THM's	5030/8021	1	10/03/99	*<1U	LC

Approved by:


Michael Cammarata, Laboratory Manager

MRL Method Reporting Limit





Advanced
Environmental Laboratories, Inc.

5810-D Breckenridge Parkway
Tampa, Florida 33610
(813) 630-9616
FAX (813) 630-4327

Client: Citrus County Central Landfill
P.O. Box 340
Lecanto, FL 34460

Project Location: Post Cl2 Eff

Project Number:
Matrix Waste Water

Report No.: T993088
Date Reported: 10/07/99
Date/Time Sampled: 09/29/99@1100
Date/Time Recieved: 09/29/99@1315
Lab ID: 84549, E84589
Comqap: 980174

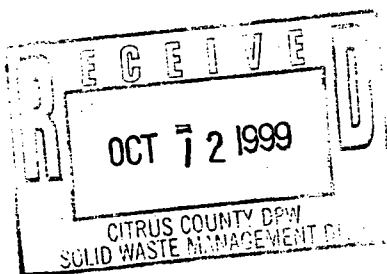
Units: ug/l

Lab Code: T993088-01
Sample Name:

Analytes	EPA Method	MRL	Date Analyzed	Results	Analyst
Chloroform	5030/8021	1	10/03/99	*<1U	LC
Bromodichloromethane	5030/8021	1	10/03/99	*3.0	LC
Dibromochloromethane	5030/8021	1	10/03/99	*14.1	LC
Bromoform	5030/8021	1	10/03/99	*42.1	LC
Total THM's	5030/8021	1	10/03/99	*59.2	LC

Approved by: 
Michael Cammarata, Laboratory Manager

MRL Method Reporting Limit



**CITRUS COUNTY CENTRAL LANDFILL
LEACHATE TREATMENT FACILITY MONITORING**

SAMPLING DATE JULY 15, 1999			
	MCL		RESULTS
COMPLIANCE PARAMETERS	MG/L		MG/L
ARSENIC	5	<	0.005
BARIUM	100		1.05
BENZENE	0.5	<	0.01
CADMIUM	1		0.077
CARBON TETRACHLORIDE	0.5	<	0.01
CHLORDANE	0.03	<	0.001
CHLOROBENZENE	100	<	0.01
CHLOROFORM	6	<	0.01
CHROMIUM	5	<	0.25
O-CRESOL (2-METHYLPHENOL)	200	<	0.025
M-CRESOL	200	<	0.025
P-CRESOL	200	<	0.025
CRESOL (TOTAL)	200	*	
2,4-D	10	<	0.002
1,4-DICHLOROBENZENE	7.5	<	0.01
1,2-DICHLOROETHANE	0.5	<	0.01
1,1-DICHLOROETHYLENE (1,1-DICHLOROETHENE)	0.7	<	0.2
2,4-DINITROTOLUENE	0.13	<	0.01
ENDRIN	0.02	<	0.005
HEPTACHLOR	0.008	<	0.005
HEXACHLOROBENZENE	0.13	<	0.01
HEXACHLOROBUTADIENE	0.5	<	0.01
HEXACHLOROETHANE	3	<	0.01
LEAD	5	<	0.25
LINDANE	0.4	<	0.005
MERCURY	0.2	<	0.002
METHOXYCHLOR	10	<	0.02
METHYL ETHYL KETONE (2-BUTANONE)	200	<	0.01
NITROBENZENE	2	<	0.01
PENTACHLOROPHENOL	100	<	0.025
PYRIDINE	5	<	0.01
SELENIUM	1	<	0.005
SILVER	5	<	0.1
TETRACHLOROETHYLENE (TETRACHLOROETHENE)	0.7	<	0.01
TOXAPHENE	0.5	<	0.01
TRICHLOROETHYLENE (TRICHLOROETHENE)	0.5	<	0.01
2,4,5-TRICHLOROPHENOL	400	<	0.025
2,4,6-TRICHLOROPHENOL	2	<	0.025
2,4,5-TP (SILVEX)	1	<	0.002
VINYL CHLORIDE	0.2	<	0.01
% SOLID			1.9
PH			8.1
cjw			



Advanced
Environmental Laboratories, Inc.

8936 Western Way • Suite 7
Jacksonville, Florida 32256
(904) 363-9350
FAX (904) 363-9354

Client: Citrus County
Project Name: Citrus County Landfill
Project No.:

Report No.: J991427
Date Sampled: 7/15/99
Date Submitted: 7/15/99
Date Reported: 10/12/99

Address: P.O. Box 340
Lecanto, FL 34460

Project Chemist: Chuck Ged

Attention: Jim Brunswick

Page No.: 1 of 6

Sample Description

The following sludge sample was submitted by Citrus County on 7/15/99 for analysis outlined on the attached Chain of Custody:

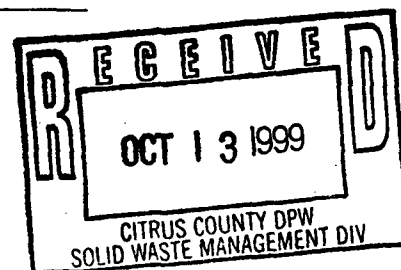
Project Name: Citrus County Landfill

1. Sludge @ 15:30

Approved by: _____

Charles Ged
Charles Ged, Lab Director

HRS# 82533,E82574
DEP# 940242



Advanced Environmental Laboratories, Inc.

Analytical Report

Client: Citrus County
Project No.: Citrus County Landfill
Matrix: Sludge

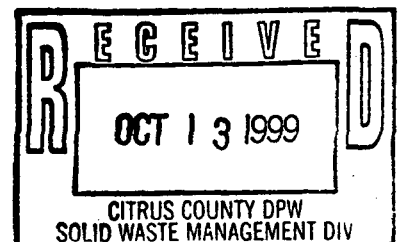
Report No.: J991427
Date Sampled: 7/15/99
Date Submitted: 7/15/99
Date Reported: 10/12/99
Page No.: 2 of 6

TCLP Yottle
EPA Method 5030/8240
Units: mg/L

Analytes	MRL	TCLP Limits	Lab Code: 991427-1	991414-mb
			Dilution Factor: 10	1
			Date Analyzed: 7/28/99	7/27/99
			Sample Name: Sludge	Method Blank
Benzene	0.010	0.5	U	U
Carbon Tetrachloride	0.010	0.5	U	U
Chlorobenzene	0.010	100.0	U	U
Chloroform	0.010	6.0	U	U
1,2-Dichloroethane	0.010	0.5	U	U
1,1-Dichloroethene	0.20	0.7	U	U
Methyl ethyl ketone	0.010	200.0	U	U
Tetrachloroethene	0.010	0.7	U	U
Trichloroethene	0.010	0.5	U	U
Vinyl Chloride	0.010	0.2	U	U

Surrogate	Acceptance Limits	Percent Recovery	Percent Recovery
Bromofluorobenzene	70-135	87	132

U Not detected above the MRL
MRL Method Reporting Limit



Advanced Environmental Laboratories, Inc.

Analytical Report

Client: Citrus County
Project No.: Citrus County Landfill
Matrix: Sludge

Report No.: J991427
Date Sampled: 7/15/99
Date Submitted: 7/15/99
Date Reported: 10/12/99
Page No.: 3 of 6

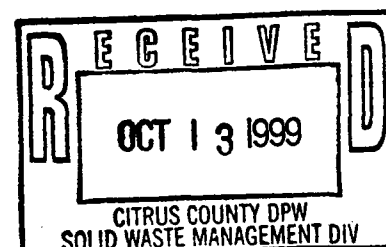
ICLL Semi-Volatiles

EPA Method 1311/3510/8270

Units: mg/L

			Lab Code:	991427-2	991398-mb
			Dilution Factor:	1	1
			Date Analyzed:	7/28/99	7/28/99
			Sample Name:	Sludge	Method Blank
Analyte	MRL	TCLP Limits			
Acid Extractables					
o-Cresol	0.025	200.0		U	U
m-Cresol	0.025	200.0		U	U
p-Cresol	0.025	200.0		U	U
Pentachlorophenol	0.025	100.0		U	U
2,4,5-Trichlorophenol	0.025	400.0		U	U
2,4,6-Trichlorophenol	0.025	2.0		U	U
Base/Neutrals Extractables					
1,4-Dichlorobenzene	0.010	7.5		U	U
2,4-Dinitrotoluene	0.010	0.130		U	U
Hexachlorobenzene	0.010	0.130		U	U
Hexachloro-1,3-butadiene	0.010	0.500		U	U
Hexachloroethane	0.010	3.0		U	U
Nitrobenzene	0.010	2.0		U	U
Pyridine	0.010	5.0		U	U

U Not detected above the MRL
MRL Method Reporting Limit



Advanced Environmental Laboratories, Inc.**Analytical Report**

Client: Citrus County
Project No.: Citrus County Landfill
Matrix: Sludge

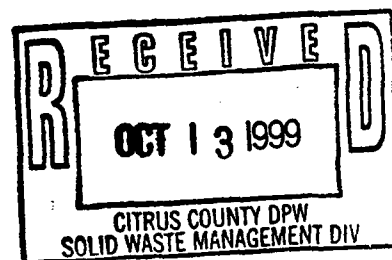
Report No.: J991427
Date Sampled: 7/15/99
Date Submitted: 7/15/99
Date Reported: 10/12/99
Page No.: 4 of 6

TCLP Pesticides

Chlorinated Pesticides
EPA Method 3510/8270
Units: mg/L

			Lab Code:	991427-2	991518-mb
			Dilution Factor:	1	1
			Date Extracted:	8/9/99	8/9/99
			Date Analyzed:	8/9/99	8/9/99
Analyte	MRL	TCLP Limits	Sample Name:	Sludge	Method Blank
Chloradane	0.001	0.013		U	U
Endrin	0.005	0.020		U	U
Heptachlor	0.004	0.008		U	U
Heptachlor Epoxide	0.004	0.008		U	U
Lindane	0.005	0.4		U	U
Methoxychlor	0.020	10.0		U	U
Toxaphene	0.010	0.5		U	U
Surrogates		Acceptance Limits		Percent Recovery	Percent Recovery
TCMX		18-167		56	89

U Not detected above the MRL
MRL Method Reporting Limit



Advanced Environmental Laboratories, Inc.

Analytical Report

Client: Citrus County
Project No.: Citrus County Landfill
Matrix: Sludge

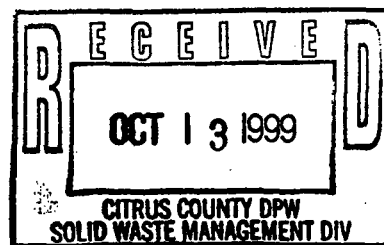
Report No.: J991427
Date Sampled: 7/15/99
Date Submitted: 7/15/99
Date Reported: 10/12/99
Page No.: 5 of 6

TCLP Herbicides

Chlorinated Herbicides
EPA Method 1311/8151
Units: mg/L

Analyte	MRL	TCLP Limits	Lab Code: 991427-2 Dilution Factor: 1 Date Extracted: 8/12/99 Date Analyzed: 8/15/99 Sample Name: Sludge
2,4-D	0.0020	10.0	U
2,4,5-TP (Silvex)	0.0020	1.0	U

U Not detected above the MRL
MRL Method Reporting Limit



Advanced Environmental Laboratories, Inc.

Analytical Report

Client: Citrus County
Project No.: Citrus County Landfill
Matrix: Sludge

Report No.: J991427
Date Sampled: 7/15/99
Date Submitted: 7/15/99
Date Reported: 10/12/99
Page No.: 6 of 6

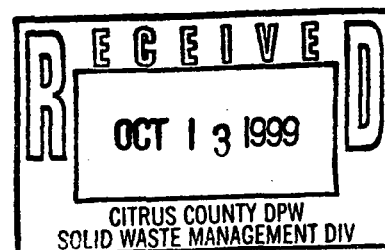
TCLP Metals

Units: mg/L

Lab Code: 991427-2 991398-1mb

Analyte	Method	MRL	TCLP Limits	Date Analyzed	Sludge	Method Blank
Arsenic	7060	0.005	5.0	7/27/99	U	U
Barium	7080	1.0	100	7/27/99	1.05	U
Cadmium	7130	0.05	1.0	7/26/99	0.077	U
Chromium	7190	0.25	5.0	7/26/99	U	U
Lead	7420	0.25	5.0	7/26/99	U	U
Mercury	7471	0.002	0.2	7/27/99	U	U
Selenium	7740	0.005	1.0	7/27/99	U	U
Silver	7760	0.10	5.0	7/26/99	U	U
% Solids	160.3	2.0	NA	7/21/99	1.9	
pH	150.1	1.0	NA	7/16/99	8.1	

U Not detected above the MRL
MRL Method Reporting Limit





Advanced
Environmental Laboratories, Inc.

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 X Tampa: 5810-D Breckenridge Parkway, Tampa, FL 33610 • (813) 630-9616 • Fax (813) 630-4327

CHAIN OF CUSTODY RECORD

JOB NUMBER

J991427

T992186

CLIENT NAME: CITRUS COUNTY		PROJECT NAME: CITRUS COUNTY LANDFILL		PRESERVATIVE CONTAINER SIZE AND TYPE T.C.L.P. Sludge Org. Pers. metals Solids PH RECEIVED 666-61-100 CITRUS COUNTY WASTE MANAGEMENT DIV.
ADDRESS: PO BOX 340		P.O. NUMBER / PROJECT NUMBER:		
LOCAND FL 33610		PROJECT LOCATION:		
PHONE:	FAX:	SAMPLED BY:		
CONTACT: JIM BRUNSWICK		SPECIAL INSTRUCTIONS:		
TURN AROUND TIME or RESULTS DUE BY:				
☒ STANDARD ☐ RUSH ☐ OTHER		☐ VERBAL ☐ FAX ☐ HARD COPY		

SAMPLE ID	SAMPLE DESCRIPTION	SAMPLING		MATRIX	NO. OF CONTAIN.								
		DATE	TIME										
	Sludge	7/15	1530	sludge	4	X	X	X	X				T992186-1
													J991427-2

* GW—Groundwater SW—Surface Water DW—Drinking Water WW—Waste Water SO—Solid/Soil SL—Sludge HW—Hazardous Waste A—Air

FIELD PARAMETERS / COMMENTS:	TRANS. NO.	TRANSFERS RELINQUISHED BY:	ACCEPTED BY:	DATE:	TIME:
	1	<i>[Signature]</i>	<i>[Signature]</i>	7/15	1740
	2				
	3				
	4				
CONTAINERS/SEALS INTACT ☒ YES ☐ NO		ON ICE/4°C ☒ YES ☐ NO		LAB USE	

DISTRIBUTION: White—Client Copy Yellow—Lab Copy Pink—Sample Copy