



RESOURCE RECOVERY FACIL  
4051C 00030  
**PASCO COUNTY, FLORIDA**

WACS 45799  
2<sup>nd</sup> SA 1997 LEACHATE RESULTS

DADE CITY (352) 511-4274  
LAND O' LAKES (813) 996-7341  
NEW PORT RICHEY (813) 847-8145

UTILITES SERVICES BRANCH  
PUB. WKS./UTILITIES BLDG. S-213  
7530 LITTLE ROAD  
NEW PORT RICHEY, FL 34654

06 Oct 1997

Ms. Allison Amram  
Environmental Specialist III  
Waste Management Section  
Florida Department of  
Environmental Protection  
3804 Coconut Palm Drive  
Tampa, Florida 33619

**RECEIVED**

OCT 8 1997

RE: West Pasco Class I Sanitary Landfill  
Leachate Monitoring  
Semester II, 1997

Solid Waste Section

Dear Ms. Amram:

Enclosed please find the analytical results for the parameters listed in 62-701(8)(c) Florida Administrative Code conducted on the four leachate tanks at the West Pasco Class I Sanitary Landfill. These results are submitted for the second semester sampling period (July-Dec) and complete the compliance monitoring for leachate at this facility for 1997.

If you have any questions please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Candia E. Mulhern".

Candia E. Mulhern  
Laboratory Manager

Enc.: 1

cc: Chongman Lee, Florida Department of Environmental Protection, Waste Management Section, Twin Towers Bldg., 2600 Blair Stone Road, Tallahassee, Florida 32399-2400  
Douglas S. Bramlett, Assistant County Administrator (Utilities Services)  
Robert J. Sigmoid, Utilities Fiscal Services/Special Projects Director  
Vincent Mannella, Solid Waste Facility Manager

# Florida Department of Environmental Protection

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

## GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

### PART I GENERAL INFORMATION

- (1) Facility Name Resource Recovery - West Pasco Class I Landfill  
 Address Hays Road  
 City Hudson, Florida Zip 34610  
 Telephone Number (      ) \_\_\_\_\_
- (2) The GMS Identification Number 4051C00030
- (3) DEP Permit Number PA87-23
- (4) Authorized Representative Name Candia E. Mulhern  
 Address 8864 Government Drive  
 City New Port Richey, Florida Zip 34654  
 Telephone Number ( 813 ) 847-8902
- (5) Type of Discharge Landfill
- (6) Method of Discharge Unknown

### 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: 13 AUG '97   
 Signature of Owner or Authorized Representative

### PART II QUALITY ASSURANCE REQUIREMENTS

- Sample Organization Comp QAP # \_\_\_\_\_
- Analytical Lab Comp QAP #/HRS Certification # 870167 G/7 54237, E44123  
\*Comp QAP #/HRS Certification # 870202 G Potable BTL #1-86173 & 86418 Env. 86035
- Lab Name Pasco County Environmental Laboratory  
 Address 8864 Government Drive, New Port Richey, FL 34654  
 Phone Number ( 813 ) 847-8902

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030

Sampling Date/Time: 07/18/97 @ 1100

Test Site ID #: NA

Report Period: 1997 / Quarter III  
(year/quarter)

Well Name: A-1 Primary Tank Leachate

Well Purged (Y/N): YES

Classification of Groundwater: NA

Well Type: ( ) Background  
( ) Intermediate  
( ) Compliance  
( ) Other

Groundwater Elevation (NGVD): \_\_\_\_\_

or (MSL): -

7/35

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000620	Nitrate	Well Wiz. Ded. Mon. System	No	EPA 353.2	07/18/97 1500	<0.11 mg/L	0.15 mg/L
000940	Chloride	"	"	SM 4500Cl-B	07/21/97 1000	27,609 mg/L	0.15 mg/L
000400	pH-Field	"	"	EPA 150.1	07/18/97 1100	6.53 Std. Units	0.01 Std. Units
070300	Total Dis. Solids	"	"	SM 2540C	07/21/97 1600	42,200 mg/L	1 mg/L
000344	Dissolved Olygen	"	"	SM 4500 O G	07/18/97 1100	0.2 mg/L	1 mg/L
000410	Bicarbonate	"	"	EPA 310.1	07/18/97 1510	218 mg/L	1 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	07/18/97 1100	52,000 μmhos/cm	0.00 μmhos/cm
000010	Temperature (Field)	"	"	SM 2550B	07/18/97 1100	31.5 °C	0 °C
000610	Ammonia	"	"	EPA 350.1	07/18/97 1630	22.5 mg/L	0.10 mg/L
001045	Iron	"	"	EPA 236.1	08/06/97 1110	1.29 mg/L	0.001 mg/L
000929	Sodium	"	"	EPA 273.1	08/06/97 1045	4,800 mg/L	0.01 mg/L
071900	Mercury	"	"	EPA 245.1	08/08/97 0905	0.0006 mg/L	0.0005 mg/L

\*Attach Laboratory Reports

# FIRST COAST ENVIRONMENTAL LABORATORY, INC.

BROWARD LAB # 1058007/A-1PRM

FCEL LAB # 9707-211

PART III - ANALYTICAL RESULTS

Facility GMS #: \_\_\_\_\_ Sampling Date/Time: July 18, 1997 / 1100 hr.  
 Test Site ID #: \_\_\_\_\_ Report Date: \_\_\_\_\_  
 (Year / Quarter)  
 Well Name: A-1PRM Well Type: ( ) Background  
 Classification of Ground Water: \_\_\_\_\_ ( ) Intermediate  
 Ground Water Elevation (NGVD): \_\_\_\_\_ ( ) Compliance  
 or (MSL): \_\_\_\_\_ ( ) Other

*7/18/97*

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y) (N)	Analysis Method	Analysis Date	Analysis Results/ Units (mg/l)	Detection Limits Units (mg/l)
00010	Temp. (Field)					degree.C	degree.C
00400	pH (Field)					Std. Units	Std. Units
	Water Level Elev.					Ft. NGVD	Ft. NGVD
00094	Specific Cond. (Field)					umhos/cm	umhos/cm
01095	Antimony			EPA 204.2	7-23-97	0.0508	0.0013
01000	Arsenic			EPA 206.2	8-04-97	1.388	0.00074
01005	Barium			EPA 200.7	8-01-97	2.11	0.0048
01010	Beryllium			EPA 200.7	8-05-97	0.0066	0.0016
01025	Cadmium			EPA 213.2	7-28-97	< 0.000068	0.000068
01030	Chromium			EPA 200.7	7-22-97	< 0.022	0.022
01035	Cobalt			EPA 200.7	9-05-97	< 0.011	0.011
01040	Copper			EPA 200.7	7-22-97	< 0.0029	0.0029
01049	Lead			EPA 239.2	7-21-97	< 0.0002	0.0002
01065	Nickel			EPA 200.7	7-22-97	< 0.028	0.028
01145	Selenium			EPA 270.2	7-22-97	< 0.0016	0.0016
01075	Silver			EPA 200.7	7-22-97	< 0.003	0.003
01057	Thallium			EPA 279.2	7-22-97	< 0.00078	0.00078
01085	Vanadium			EPA 200.7	9-05-97	0.014	0.009
01090	Zinc			EPA 200.7	7-22-97	< 0.003	0.003

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030

Sampling Date/Time: 07/18/97 @ 1200

Test Site ID #: \_\_\_\_\_

Report Period: 1997 / Quarter III  
(year/quarter)

Well Name: A-1 Secondary Tank Leachate

Well Purged (Y/N): YES

Classification of Groundwater: \_\_\_\_\_

Well Type: ( ) Background  
( ) Intermediate  
( ) Compliance  
( ) Other

Groundwater Elevation (NGVD): \_\_\_\_\_

7136

or (MSL): -

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	* Analysis Results/Units	Detection Limits/Units
000620	Nitrate	Well Wiz. Ded. Mon. System	No	EPA 353.2	07/18/97 1500	1.15 mg/L	0.15 mg/L
000940	Chloride	"	"	SM 4500Cl-B	07/21/97 1000	2,349 mg/L	0.15 mg/L
000400	pH-Field	"	"	EPA 150.1	07/18/97 1200	7.41 Std. Units	0.01 Std. Units
070300	Total Dis. Solids	"	"	SM 2540C	07/21/97 1600	5,760 mg/L	1 mg/L
000344	Dissolved Olygen	"	"	SM 4500 O G	07/18/97 1200	1.5 mg/L	1 mg/L
000410	Bicarbonate	"	"	EPA 310.1	07/18/97 1510	147 mg/L	1 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	07/18/97 1200	6,070 μmhos/cm	0.00 μmhos/cm
000010	Temperature (Field)	"	"	SM 2550B	07/18/97 1200	30.7 °C	0 °C
000610	Ammonia	"	"	EPA 350.1	07/18/97 1630	<0.03 mg/L	0.10 mg/L
001045	Iron	"	"	EPA 236.1	08/06/97 1110	0.08 mg/L	0.001 mg/L
000929	Sodium	"	"	EPA 273.1	08/06/97 1045	509 mg/L	0.01 mg/L
071900	Mercury	"	"	EPA 245.1	08/08/97 0905	0.0006 mg/L	0.0005 mg/L

\*Attach Laboratory Reports

# FIRST COAST ENVIRONMENTAL LABORATORY, INC.

BROWARD LAB # 1058008/A-1SEC

FCEL LAB # 9707-212

PART III - ANALYTICAL RESULTS

Facility GMS #: \_\_\_\_\_ Sampling Date/Time: July 18, 1997 / 1200 hr.  
 Test Site ID #: \_\_\_\_\_ Report Date: \_\_\_\_\_  
 (Year / Quarter)  
 Well Name: A-1SEC Well Type: ( ) Background  
 Classification of Ground Water: \_\_\_\_\_ ( ) Intermediate  
 Ground Water Elevation (NGVD): \_\_\_\_\_ ( ) Compliance  
 or (MSL): \_\_\_\_\_ ( ) Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y) (N)	Analysis Method	Analysis Date	Analysis Results/ Units (mg/l)	Detection Limits Units (mg/l)
00010	Temp.(Field)					degree.C	degree.C
00400	pH (Field)					Std. Units	Std. Units
	Water Level Elev.					Ft. NGVD	Ft. NGVD
00094	Specific Cond.(Field)					umhos/cm	umhos/cm
01095	Antimony			EPA 204.2	7-23-97	0.0189	0.0013
01000	Arsenic			EPA 206.2	8-04-97	0.0754	0.00074
01005	Barium			EPA 200.7	8-01-97	< 0.0048	0.0048
01010	Beryllium			EPA 200.7	8-05-97	0.0041	0.0016
01025	Cadmium			EPA 213.2	7-28-97	< 0.00027	0.00027
01030	Chromium			EPA 200.7	7-22-97	0.022	0.022
01035	Cobalt			EPA 200.7	9-05-97	0.114	0.011
01040	Copper			EPA 200.7	7-22-97	0.0033	0.0029
01049	Lead			EPA 239.2	7-21-97	< 0.0002	0.0002
01065	Nickel			EPA 200.7	7-22-97	< 0.028	0.028
01145	Selenium			EPA 270.2	7-22-97	0.0227	0.0016
01075	Silver			EPA 200.7	7-22-97	< 0.003	0.003
01057	Thallium			EPA 279.2	7-22-97	< 0.00078	0.00078
01085	Vanadium			EPA 200.7	9-05-97	< 0.009	0.009
01090	Zinc			EPA 200.7	7-22-97	< 0.003	0.003

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030

Sampling Date/Time: 07/18/97 @ 1235

Test Site ID #: \_\_\_\_\_

Report Period: 1997 / Quarter III  
(year/quarter)

Well Name: SW Primary Tank Leachate

Well Purged (Y/N): YES

Classification of Groundwater: \_\_\_\_\_

Well Type: ( ) Background  
( ) Intermediate  
( ) Compliance  
( ) Other

Groundwater Elevation (NGVD): \_\_\_\_\_

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or (MSL): -

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000620	Nitrate	Well Wiz. Ded. Mon. System	No	EPA 353.2	07/18/97 1500	<0.11 mg/L	0.15 mg/L
000940	Chloride	"	"	SM 4500Cl-B	07/21/97 1000	4,598 mg/L	0.15 mg/L
000400	pH-Field	"	"	EPA 150.1	07/18/97 1235	6.72 Std. Units	0.01 Std. Units
070300	Total Dis. Solids	"	"	SM 2540C	07/21/97 1600	9,050 mg/L	1 mg/L
000344	Dissolved Olygen	"	"	SM 4500 O G	07/18/97 1235	0.9 mg/L	1 mg/L
000410	Bicarbonate	"	"	EPA 310.1	07/18/97 1510	279 mg/L	1 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	07/18/97 1235	11,180 μmhos/cm	0.00 μmhos/cm
000010	Temperature (Field)	"	"	SM 2550B	07/18/97 1235	30.4 °C	0 °C
000610	Ammonia	"	"	EPA 350.1	07/18/97 1630	22.0 mg/L	0.10 mg/L
001045	Iron	"	"	EPA 236.1	08/06/97 1110	0.64 mg/L	0.001 mg/L
000929	Sodium	"	"	EPA 273.1	08/06/97 1045	990 mg/L	0.01 mg/L
071900	Mercury	"	"	EPA 245.1	08/08/97 0905	0.0006 mg/L	0.0005 mg/L

\*Attach Laboratory Reports

# FIRST COAST ENVIRONMENTAL LABORATORY, INC.

BROWARD LAB # 1058009/SW-PRIM

FCEL LAB # 9707-213

PART III - ANALYTICAL RESULTS

Facility GMS #: \_\_\_\_\_ Sampling Date/Time: July 18, 1997 / 1235 hr.  
 Test Site ID #: \_\_\_\_\_ Report Date: \_\_\_\_\_  
 (Year / Quarter)  
 Well Name: SW-PRIM Well Type: ( ) Background  
 Classification of Ground Water: \_\_\_\_\_ ( ) Intermediate  
 Ground Water Elevation (NGVD): \_\_\_\_\_ ( ) Compliance  
 or (MSL): \_\_\_\_\_ ( ) Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y) (N)	Analysis Method	Analysis Date	Analysis Results/ Units (mg/l)	Detection Limits Units (mg/l)
00010	Temp. (Field)					degree.C	degree.C
00400	pH (Field)					Std. Units	Std. Units
	Water Level Elev.					Ft. NGVD	Ft. NGVD
00094	Specific Cond. (Field)					umhos/cm	umhos/cm
01095	Antimony			EPA 204.2	7-23-97	0.0168	0.0013
01000	Arsenic			EPA 206.2	8-04-97	0.0266	0.00074
01005	Barium			EPA 200.7	8-01-97	< 0.0048	0.0048
01010	Beryllium			EPA 200.7	8-05-97	0.0039	0.0016
01025	Cadmium			EPA 213.2	7-28-97	< 0.000068	0.000068
01030	Chromium			EPA 200.7	7-22-97	0.056	0.022
01035	Cobalt			EPA 200.7	9-05-97	0.070	0.011
01040	Copper			EPA 200.7	7-22-97	< 0.0029	0.0029
01049	Lead			EPA 239.2	7-21-97	< 0.0002	0.0002
01065	Nickel			EPA 200.7	7-22-97	0.030	0.028
01145	Selenium			EPA 270.2	7-22-97	0.0649	0.0016
01075	Silver			EPA 200.7	7-22-97	< 0.003	0.003
01057	Thallium			EPA 279.2	7-22-97	< 0.00078	0.00078
01085	Vanadium			EPA 200.7	9-05-97	< 0.009	0.009
01090	Zinc			EPA 200.7	7-22-97	< 0.003	0.003



PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030

Sampling Date/Time: 07/18/97 @ 1300

Test Site ID #: \_\_\_\_\_

Report Period: 1997 / Quarter III  
(year/quarter)

Well Name: SW Secondary Tank Leachate

Well Purged (Y/N): YES

Classification of Groundwater: \_\_\_\_\_

Well Type: ( ) Background

Groundwater Elevation (NGVD): \_\_\_\_\_

( ) Intermediate

( ) Compliance

or (MSL): -

( ) Other

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Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000620	Nitrate	Well Wiz. Ded. Mon. System	No	EPA 353.2	07/18/97 1500	<0.11 mg/L	0.15 mg/L
000940	Chloride	"	"	SM 4500Cl-B	07/21/97 1000	4,890 mg/L	0.15 mg/L
000400	pH-Field	"	"	EPA 150.1	07/18/97 1300	6.45 Std. Units	0.01 Std. Units
070300	Total Dis. Solids	"	"	SM 2540C	07/21/97 1600	11,400 mg/L	1 mg/L
000344	Dissolved Olygen	"	"	SM 4500 O G	07/18/97 1300	0.9 mg/L	1 mg/L
000410	Bicarbonate	"	"	EPA 310.1	07/18/97 1510	196 mg/L	1 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	07/18/97 1300	11,725 μmhos/cm	0.00 μmhos/cm
000010	Temperature (Field)	"	"	SM 2550B	07/18/97 1300	31.5 °C	0 °C
000610	Ammonia	"	"	EPA 350.1	07/18/97 1630	4.27 mg/L	0.10 mg/L
001045	Iron	"	"	EPA 236.1	08/06/97 1110	2.60 mg/L	0.001 mg/L
000929	Sodium	"	"	EPA 273.1	08/06/97 1045	1,040 mg/L	0.01 mg/L
071900	Mercury	"	"	EPA 245.1	08/08/97 0905	0.0006 mg/L	0.0005 mg/L

\*Attach Laboratory Reports

# FIRST COAST ENVIRONMENTAL LABORATORY, INC.

BROWARD LAB # 1058010/SW-SEC

FCEL LAB # 9707-214

PART III - ANALYTICAL RESULTS

Facility GMS #: \_\_\_\_\_ Sampling Date/Time: July 18, 1997 / 1300 hr.  
 Test Site ID #: \_\_\_\_\_ Report Date: \_\_\_\_\_  
 (Year / Quarter)  
 Well Name: SW-SEC Well Type: ( ) Background  
 Classification of Ground Water: \_\_\_\_\_ ( ) Intermediate  
 Ground Water Elevation (NGVD): \_\_\_\_\_ ( ) Compliance  
 or (MSL): \_\_\_\_\_ ( ) Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y) (N)	Analysis Method	Analysis Date	Analysis Results/ Units (mg/l)	Detection Limits Units (mg/l)
00010	Temp.(Field)					degree.C	degree.C
00400	pH (Field)					Std. Units	Std. Units
	Water Level Elev.					Ft. NGVD	Ft. NGVD
00094	Specific Cond.(Field)					umhos/cm	umhos/cm
01095	Antimony			EPA 204.2	7-23-97	0.025	0.0013
01000	Arsenic			EPA 206.2	8-04-97	0.050	0.00074
01005	Barium			EPA 200.7	8-01-97	0.0058	0.0048
01010	Beryllium			EPA 200.7	8-05-97	0.0055	0.0016
01025	Cadmium			EPA 213.2	7-28-97	< 0.00027	0.00027
01030	Chromium			EPA 200.7	7-22-97	0.028	0.022
01035	Cobalt			EPA 200.7	9-05-97	0.201	0.011
01040	Copper			EPA 200.7	7-22-97	< 0.0029	0.0029
01049	Lead			EPA 239.2	7-21-97	< 0.0002	0.0002
01065	Nickel			EPA 200.7	7-22-97	0.032	0.028
01145	Selenium			EPA 270.2	7-22-97	0.0438	0.0016
01075	Silver			EPA 200.7	7-22-97	< 0.003	0.003
01057	Thallium			EPA 279.2	7-22-97	< 0.00078	0.00078
01085	Vanadium			EPA 200.7	9-05-97	< 0.009	0.009
01090	Zinc			EPA 200.7	7-22-97	< 0.003	0.003