

W Pasco Cl 3
leachate quality



PASCO COUNTY, FLORIDA

DÁDE 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 07 1997
D E P

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

Dear Ms. Amram:

Enclosed please find the analytical results for the parameters listed in 62-701(8)(c) Florida Administrative Code conducted on the two leachate tanks at the West Pasco Class III 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,

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. Sigmond, 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

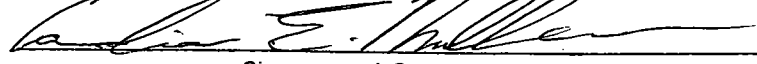
GROUND WATER MONITORING REPORT
Rule 62-522.600(11)

PART I GENERAL INFORMATION

- (1) Facility Name Hays Road Class III Landfill
Address 1275 Hays Road
City Spring Hill, FL Zip 34610
Telephone Number () _____
- (2) The GMS Identification Number 4051M30035
- (3) DEP Permit Number S051-182279
- (4) Authorized Representative Name Candia E. Mulhern
Address 8864 Government Drive
City New Port Richey, FL 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 #1-86137 & 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 #: 4051M30035

Sampling Date/Time: 07/14/97 @ 1115

Test Site ID #: NA

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

Well Name: Tank #1

Well Purged (Y/N): YES

Classification of Groundwater: NA

Well Type: () Background
() Intermediate
() Compliance
() Other
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Groundwater 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
000620	Nitrate	Well Wiz. Ded. Mon. System	No	EPA 353.2	07/16/97 1230	<0.11 mg/L	0.15 mg/L
000940	Chloride	"	"	SM 4500Cl-B	07/14/97 1430	7.09 mg/L	0.15 mg/L
000400	pH-Field	"	"	EPA 150.1	07/14/97 1115	6.68 Std. Units	0.01 Std. Units
070300	Total Dis. Solids	"	"	SM 2540C	07/17/97 1630	170 mg/L	1 mg/L
000344	Dissolved Oxygen	"	"	SM 4500 O G	07/14/97 1115	1.9 mg/L	0.01 mg/L
000410	Bicarbonate	"	"	EPA 310.1	07/15/97 1000	98.0 mg/L	1 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	07/14/97 1115	230 μmhos/cm	0.00 μmhos/cm
000010	Temperature (Field)	"	"	SM 2550B	07/14/97 1115	30.2 °C	0 °C
000610	Ammonia	"	"	EPA 350.1	07/18/97 0900	<0.03 mg/L	0.07 mg/L
900216	Color	"	"	EPA 110.2	07/15/97 0910	60 PCU	0.0 PCU
001045	Iron	"	"	EPA 236.1	08/06/97 1110	0.25 mg/L	0.001 mg/L
000929	Sodium	"	"	EPA 273.1	08/06/97 1045	6.12 mg/L	0.01 mg/L
071900	Mercury	"	"	EPA 245.1	08/08/97 0905	0.0005 mg/L	0.0005 mg/L
000612	NH ₄ -N	"	"	DEP SOP 10/03/83	07/22/97 0730	<0.02 mg/L	0.02 mg/L

*Attach Laboratory Reports

FIRST COAST ENVIRONMENTAL LABORATORY, INC.

DEP Form # 62-522.900(2)
Form title GROUND WATER MONITORING REPORT
Effective Date _____
DEP Application No. _____

BROWARD LAB # 1058011/Tank 1

FCEL LAB # 9707-141

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

GROUND WATER MONITORING REPORT Rule 62-522.600(11)

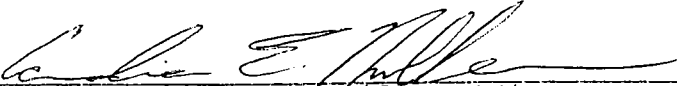
PART I - GENERAL INFORMATION

- (1) Facility Name: WEST PASCO CLASS III
Address: _____
City, State, Zip: _____
Telephone Number: _____
- (2) The GMS Identification #: _____
- (3) DEP Permit #: _____
- (4) Authorized Representative Name: _____
Address: _____
City, State, Zip: _____
Telephone Number: _____
- (5) Type of Discharge: _____
- (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: 09/29/97


Signature of Owner or Authorized Representative

PART II - QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP # _____

Analytical Lab Comp QAP # / HRS Cert. # 970222 / E82102 / 82110

Comp QAP # / HRS Cert. # _____

Lab Name: BROWARD TESTING LABORATORY

Address: 4416 N.E. 11TH AVENUE

City, State, Zip: FT. LAUDERDALE, FLORIDA 33334

Telephone Number: 1-216/449-2525

FIRST COAST ENVIRONMENTAL LABORATORY, INC.

BROWARD LAB # 1058011/Tank 1

FCEL LAB # 9707-141

PART III - ANALYTICAL RESULTS

Facility GMS #: _____ Sampling Date/Time: July 14, 1997 / 1115 hr.
 Test Site ID #: _____ Report Date: _____
 (Year / Quarter)
 Well Name: Tank 1 Well Type: () Background
 Classification of Ground Water: _____ () Intermediate
 Ground Water Elevation (NGVD): _____ () Compliance
 or (MSL): _____ () Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered		Analysis Method	Analysis Date	Analysis Results/ Units (mg/l)	Detection Limits Units (mg/l)
			(Y)	(N)				
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	0.0082	0.0013
01000	Arsenic				EPA 206.2	7-18-97	0.0044	0.00074
01005	Barium				EPA 200.7	7-25-97	< 0.0048	0.0048
01010	Beryllium				EPA 200.7	7-21-97	< 0.0016	0.0016
01025	Cadmium				EPA 213.2	7-28-97	< 0.000068	0.000068
01030	Chromium				EPA 200.7	7-29-97	0.027	0.022
01035	Cobalt				EPA 200.7	9-04-97	< 0.011	0.011
01040	Copper				EPA 200.7	7-18-97	0.079	0.0029
01049	Lead				EPA 239.2	7-15-97	0.00048	0.0002
01065	Nickel				EPA 200.7	7-21-97	0.068	0.028
01145	Selenium				EPA 270.2	7-22-97	< 0.0016	0.0016
01075	Silver				EPA 200.7	7-21-97	< 0.003	0.003
01057	Thallium				EPA 279.2	7-17-97	< 0.00078	0.00078
01085	Vanadium				EPA 200.7	9-04-97	< 0.009	0.009
01090	Zinc				EPA 200.7	7-21-97	< 0.003	0.003

FIRST COAST ENVIRONMENTAL LABORATORY, INC.

BROWARD LAB # 1058011/Tank 1

FCEL LAB # 9707-141

PART III - ANALYTICAL RESULTS - (Continued)

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y) (N)	Analysis Method	Analysis Date	Analysis Results/ Units (ug/l)	Detection Limits Units (ug/l)
81552	Acetone			EPA 8260A	7-17-97	< 0.330	0.330
34215	Acrylonitrile			EPA 8260A	7-17-97	< 0.483	0.483
34235	Benzene			EPA 8260A	7-17-97	< 0.147	0.147
N/A	Bromochloromethane			EPA 8260A	7-17-97	< 0.300	0.300
32101	Bromodichloromethane			EPA 8260A	7-17-97	< 0.300	0.300
32104	Bromoform			EPA 8260A	7-17-97	< 0.226	0.226
77041	Carbon disulfide			EPA 8260A	7-17-97	< 0.459	0.459
32102	Carbon tetrachloride			EPA 8260A	7-17-97	< 0.316	0.316
34301	Chlorobenzene			EPA 8260A	7-17-97	< 0.234	0.234
34311	Chloroethane			EPA 8260A	7-17-97	< 0.148	0.148
32106	Chloroform			EPA 8260A	7-17-97	< 0.104	0.104
32105	Dibromochloromethane			EPA 8260A	7-17-97	< 0.185	0.185
38761	1,2-Dibromo-3-chloropropane			EPA 504	7-17-97	< 0.013	0.013
77651	1,2-Dibromoethane			EPA 504	7-17-97	< 0.014	0.014
34537	o-Dichlorobenzene			EPA 8260A	7-17-97	< 0.365	0.365
34571	p-Dichlorobenzene			EPA 8260A	7-17-97	< 0.298	0.298
49263	Trans-1,4-Dichloro-2-butene			EPA 8260A	7-17-97	< 0.221	0.221
34496	1,1-Dichloroethane			EPA 8260A	7-17-97	< 0.275	0.275
32103	1,2-Dichloroethane			EPA 8260A	7-17-97	< 0.128	0.128
34502	1,1-Dichloroethene			EPA 8260A	7-17-97	< 0.128	0.128
81686	cis-1,2-Dichloroethene			EPA 8260A	7-17-97	< 0.253	0.253
34546	trans-1,2-Dichloroethene			EPA 8260A	7-17-97	< 0.195	0.195
34541	1,2-Dichloropropane			EPA 8260A	7-17-97	< 0.147	0.147
34704	cis-1,3-Dichloropropene			EPA 8260A	7-17-97	< 0.157	0.157
34699	trans-1,3-Dichloropropene			EPA 8260A	7-17-97	< 0.198	0.198
78113	Ethylbenzene			EPA 8260A	7-17-97	< 0.173	0.173
77103	2-Hexanone			EPA 8260A	7-17-97	< 0.494	0.494
34413	Methyl bromide			EPA 8260A	7-17-97	< 0.177	0.177

Date Extraction: July 16, 1997

FIRST COAST ENVIRONMENTAL LABORATORY, INC.

BROWARD LAB # 1058011/Tank 1

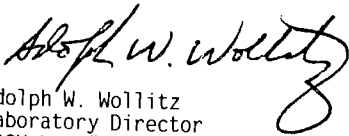
FCEL LAB # 9707-141

PART III - ANALYTICAL RESULTS - (Continued)

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y) (N)	Analysis Method	Analysis Date	Analysis Results/Units (ug/l)	Detection Limits Units (ug/l)
34418	Methyl chloride			EPA 8260A	7-17-97	< 0.155	0.155
77596	Methylene bromide			EPA 8260A	7-17-97	< 0.347	0.347
34423	Methylene chloride			EPA 8260A	7-17-97	< 0.282	0.282
81595	Methyl ethyl ketone			EPA 8260A	7-17-97	< 0.154	0.154
49262	Methyl iodide			EPA 8260A	7-17-97	< 0.506	0.506
78133	4-Methyl-2-pentanone			EPA 8260A	7-17-97	< 0.520	0.520
77128	Styrene			EPA 8260A	7-17-97	< 0.213	0.213
77562	1,1,1,2-Tetrachloroethane			EPA 8260A	7-17-97	< 0.192	0.192
34516	1,1,2,2-Tetrachloroethane			EPA 8260A	7-17-97	< 0.200	0.200
34476	Tetrachloroethene			EPA 8260A	7-17-97	< 0.188	0.188
78131	Toluene			EPA 8260A	7-17-97	< 0.249	0.249
34506	1,1,1-Trichloroethane			EPA 8260A	7-17-97	< 0.296	0.296
34511	1,1,2-Trichloroethane			EPA 8260A	7-17-97	< 0.115	0.115
34485	Trichloroethene			EPA 8260A	7-17-97	< 0.183	0.183
34488	Trichlorofluoromethane			EPA 8260A	7-17-97	< 0.423	0.423
77443	1,2,3-Trichloropropane			EPA 8260A	7-17-97	< 0.137	0.137
77057	Vinyl acetate			EPA 8260A	7-17-97	< 0.483	0.483
39175	Vinyl chloride			EPA 8260A	7-17-97	< 0.205	0.205
81551	Xylenes			EPA 8260A	7-17-97	< 0.108	0.108

Date Extraction: July 16, 1997

Respectfully submitted:



Adolph W. Wollitz
 Laboratory Director
 FDOH Lab #E82102
 FDOH Lab #82110
 EPA #FL00062
 DEP Comp QAPP # 870222

AWW/tb

PART III ANALYTICAL RESULTS

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Facility GMS #: 4051M30035 Sampling Date/Time: 07/14/97 @ 1215

OCT 07 1997

Test Site ID #: NA Report Period: 1997 / Quarter III

DEP

Well Name: Tank #2 Well Purged (Y/N): YES

Classification of Groundwater: NA Well Type: () Background

Groundwater Elevation (NGVD): _____ () Intermediate

or (MSL): -- () Compliance

() Other

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	07/16/97 1230	0.63 mg/L	0.15 mg/L
000940	Chloride	"	"	SM 4500Cl-B	07/14/97 1430	6.96 mg/L	0.15 mg/L
000400	pH-Field	"	"	EPA 150.1	07/14/97 1215	6.76 Std. Units	0.01 Std. Units
070300	Total Dis. Solids	"	"	SM 2540C	07/17/97 1630	20.1 mg/L	1 mg/L
000344	Dissolved Olygen	"	"	SM 4500 O G	07/14/97 1215	2.2 mg/L	0.01 mg/L
000410	Bicarbonate	"	"	EPA 310.1	07/15/97 1000	116 mg/L	1 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	07/14/97 1215	251 μmhos/cm	0.00 μmhos/cm
000010	Temperature (Field)	"	"	SM 2550B	07/14/97 1215	30.8 °C	0 °C
000610	Ammonia	"	"	EPA 350.1	07/18/97 0900	0.66 mg/L	0.07 mg/L
900216	Color	"	"	EPA 110.2	07/15/97 0910	170 PCU	0.0 PCU
001045	Iron	"	"	EPA 236.1	08/06/97 1110	0.29 mg/L	0.001 mg/L
000929	Sodium	"	"	EPA 273.1	08/06/97 1045	4.87 mg/L	0.01 mg/L
071900	Mercury	"	"	EPA 245.1	08/08/97 0905	0.0005 mg/L	0.0005 mg/L
000612	NH ₄ -N	"	"	DEP SOP 10/03/83	07/22/97 0730	<0.02 mg/L	0.02 mg/L

* Attach Laboratory Reports

FIRST COAST ENVIRONMENTAL LABORATORY, INC.

BROWARD LAB # 1058011/Tank 2

FCEL LAB # 9707-142

PART III - ANALYTICAL RESULTS

Facility GMS #: _____ Sampling Date/Time: July 14, 1997 / 1215 hr.
 Test Site ID #: _____ Report Date: _____
 (Year / Quarter)
 Well Name: Tank 2 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	0.0056	0.0013
01000	Arsenic			EPA 206.2	7-18-97	0.0055	0.00074
01005	Barium			EPA 200.7	7-25-97	< 0.0048	0.0048
01010	Beryllium			EPA 200.7	7-21-97	0.0028	0.0016
01025	Cadmium			EPA 213.2	7-28-97	< 0.000068	0.000068
01030	Chromium			EPA 200.7	7-29-97	0.050	0.022
01035	Cobalt			EPA 200.7	9-04-97	< 0.011	0.011
01040	Copper			EPA 200.7	7-18-97	0.031	0.0029
01049	Lead			EPA 239.2	7-15-97	0.00078	0.0002
01065	Nickel			EPA 200.7	7-21-97	0.077	0.028
01145	Selenium			EPA 270.2	7-22-97	< 0.0016	0.0016
01075	Silver			EPA 200.7	7-21-97	< 0.003	0.003
01057	Thallium			EPA 279.2	7-17-97	< 0.00078	0.00078
01085	Vanadium			EPA 200.7	9-04-97	< 0.009	0.009
01090	Zinc			EPA 200.7	7-21-97	< 0.003	0.003

FIRST COAST ENVIRONMENTAL LABORATORY, INC.

BROWARD LAB # 1058011/Tank 2

FCEL LAB # 9707-142

PART III - ANALYTICAL RESULTS - (Continued)

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y) (N)	Analysis Method	Analysis Date	Analysis Results/ Units (ug/l)	Detection Limits Units (ug/l)
81552	Acetone			EPA 8260A	7-17-97	< 0.330	0.330
34215	Acrylonitrile			EPA 8260A	7-17-97	< 0.483	0.483
34235	Benzene			EPA 8260A	7-17-97	< 0.147	0.147
N/A	Bromochloromethane			EPA 8260A	7-17-97	< 0.300	0.300
32101	Bromodichloromethane			EPA 8260A	7-17-97	< 0.300	0.300
32104	Bromoform			EPA 8260A	7-17-97	< 0.226	0.226
77041	Carbon disulfide			EPA 8260A	7-17-97	< 0.459	0.459
32102	Carbon tetrachloride			EPA 8260A	7-17-97	< 0.316	0.316
34301	Chlorobenzene			EPA 8260A	7-17-97	< 0.234	0.234
34311	Chloroethane			EPA 8260A	7-17-97	< 0.148	0.148
32106	Chloroform			EPA 8260A	7-17-97	< 0.104	0.104
32105	Dibromochloromethane			EPA 8260A	7-17-97	< 0.185	0.185
38761	1,2-Dibromo-3-chloropropane			EPA 504	7-17-97	< 0.013	0.013
77651	1,2-Dibromoethane			EPA 504	7-17-97	< 0.014	0.014
34537	o-Dichlorobenzene			EPA 8260A	7-17-97	< 0.365	0.365
34571	p-Dichlorobenzene			EPA 8260A	7-17-97	< 0.298	0.298
49263	Trans-1,4-Dichloro-2-butene			EPA 8260A	7-17-97	< 0.221	0.221
34496	1,1-Dichloroethane			EPA 8260A	7-17-97	< 0.275	0.275
32103	1,2-Dichloroethane			EPA 8260A	7-17-97	< 0.128	0.128
34502	1,1-Dichloroethene			EPA 8260A	7-17-97	< 0.128	0.128
81686	cis-1,2-Dichloroethene			EPA 8260A	7-17-97	< 0.253	0.253
34546	trans-1,2-Dichloroethene			EPA 8260A	7-17-97	< 0.195	0.195
34541	1,2-Dichloropropane			EPA 8260A	7-17-97	< 0.147	0.147
34704	cis-1,3-Dichloropropene			EPA 8260A	7-17-97	< 0.157	0.157
34699	trans-1,3-Dichloropropene			EPA 8260A	7-17-97	< 0.198	0.198
78113	Ethylbenzene			EPA 8260A	7-17-97	< 0.173	0.173
77103	2-Hexanone			EPA 8260A	7-17-97	< 0.494	0.494
34413	Methyl bromide			EPA 8260A	7-17-97	< 0.177	0.177

Date Extraction: July 16, 1997

FIRST COAST ENVIRONMENTAL LABORATORY, INC.

BROWARD LAB # 1058011/Tank 2

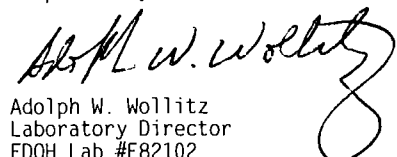
FCEL LAB # 9707-142

PART III - ANALYTICAL RESULTS - (Continued)

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y) (N)	Analysis Method	Analysis Date	Analysis Results/Units (ug/l)	Detection Limits Units (ug/l)
34418	Methyl chloride			EPA 8260A	7-17-97	< 0.155	0.155
77596	Methylene bromide			EPA 8260A	7-17-97	< 0.347	0.347
34423	Methylene chloride			EPA 8260A	7-17-97	< 0.282	0.282
81595	Methyl ethyl ketone			EPA 8260A	7-17-97	< 0.154	0.154
49262	Methyl iodide			EPA 8260A	7-17-97	< 0.506	0.506
78133	4-Methyl-2-pentanone			EPA 8260A	7-17-97	< 0.520	0.520
77128	Styrene			EPA 8260A	7-17-97	< 0.213	0.213
77562	1,1,1,2-Tetrachloroethane			EPA 8260A	7-17-97	< 0.192	0.192
34516	1,1,2,2-Tetrachloroethane			EPA 8260A	7-17-97	< 0.200	0.200
34476	Tetrachloroethene			EPA 8260A	7-17-97	< 0.188	0.188
78131	Toluene			EPA 8260A	7-17-97	< 0.249	0.249
34506	1,1,1-Trichloroethane			EPA 8260A	7-17-97	< 0.296	0.296
34511	1,1,2-Trichloroethane			EPA 8260A	7-17-97	< 0.115	0.115
34485	Trichloroethene			EPA 8260A	7-17-97	< 0.183	0.183
34488	Trichlorofluoromethane			EPA 8260A	7-17-97	< 0.423	0.423
77443	1,2,3-Trichloropropane			EPA 8260A	7-17-97	< 0.137	0.137
77057	Vinyl acetate			EPA 8260A	7-17-97	< 0.483	0.483
39175	Vinyl chloride			EPA 8260A	7-17-97	< 0.205	0.205
81551	Xylenes			EPA 8260A	7-17-97	< 0.108	0.108

Date Extraction: July 16, 1997

Respectfully submitted:



Adolph W. Wollitz
 Laboratory Director
 FDOH Lab #E82102
 FDOH Lab #82110
 EPA #FL00062
 DEP Comp QAPP # 870222

AWW/tb



PASCO COUNTY, FLORIDA

ENVIRONMENTAL LABORATORY
8864 GOVERNMENT DRIVE
NEW PORT RICHEY, FL 34654
(813) 847-8902

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OCT 07 1997

REPORT OF ANALYSES

DEP

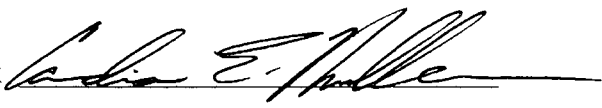
CLASS III LANDFILL
HAYS ROAD
SHADY HILLS, FL 34610-
Attn: VINCENT MANNELLA

PROJECT NAME: CLIII L QIII 97
DATE: 08/11/97
DHRS # 44237, E44123

SAMPLE NUMBER- 58564 SAMPLE ID- TANK-1 SAMPLE MATRIX- LE
DATE SAMPLED- 07/14/97 LOCATION- TIME SAMPLED- 1115
DATE RECEIVED- 07/14/97 SAMPLER- CHRIS CHILDRESS RECEIVED BY- AS
TIME RECEIVED- 1400 DELIVERED BY- CHRIS CHILDRESS

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP		ANALYSIS		RESULT	UNITS
		DATE	BY	DATE	TIME BY		
WATER LEVEL	FIELD			07/14/97	1115 CHR	-----	FEET
FIELD PH	EPA 150.1			07/14/97	1115 CHR	6.68	STD. UNITS
FIELD TEMPERATURE	SM2550B			07/14/97	1115 CHR	30.2	DEGREES C
FIELD CONDUCTIVITY	SM2510B			07/14/97	1115 CHR	230	umhos/cm
DISSOLVED OXYGEN, FIELD	SM4500-O G			07/14/97	1115 CHR	1.9	mg/L
ALKALINITY, BICARB.	EPA310.1			07/15/97	1000 CMM	98.0	mg/l
CHLORIDE	EPA 325.2			07/14/97	1430 CMM	7.09	mg/L
COLOR	EPA 110.2			07/15/97	0910 CMM	60	PCU
AMMONIA NITROGEN	SM4500NH3E			07/18/97	0900 IF	<0.03	mg/L
UN-IONIZED AMMONIA N	DEP SOP			07/22/97	0730 CEM	<0.02	mg/L
NITRATE	EPA 353.2			07/16/97	1230 IF	<0.11	mg/L
TOTAL DISS. SOLIDS	EPA160.1			07/17/97	1630 CMM	170	mg/L
IRON, TOTAL	SM3113B	07/18/97	TER	08/06/97	1110 TER	0.25	mg/L
MERCURY, TOTAL	245.1			08/08/97	0905 TER	0.0005	mg/L
SODIUM, TOTAL	273.1	07/18/97	TER	08/06/97	1045 TER	6.12	mg/L

LABORATORY DIRECTOR 



PASCO COUNTY, FLORIDA

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REPORT OF ANALYSES

CLASS III LANDFILL
HAYS ROAD
SHADY HILLS, FL 34610-
Attn: VINCENT MANNELLA

PROJECT NAME: CLIII L QIII 97
DATE: 08/11/97
DHRS # 44237, E44123

SAMPLE NUMBER- 58565 SAMPLE ID- TANK-2 SAMPLE MATRIX- LE
DATE SAMPLED- 07/14/97 LOCATION- TIME SAMPLED- 1215
DATE RECEIVED- 07/14/97 SAMPLER- CHRIS CHILDRESS RECEIVED BY- AS
TIME RECEIVED- 1400 DELIVERED BY- CHRIS CHILDRESS

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP		ANALYSIS		RESULT	UNITS
		DATE	BY	DATE	TIME BY		
WATER LEVEL	FIELD			07/14/97	1215 CHR	-----	FEET
FIELD PH	EPA 150.1			07/14/97	1215 CHR	6.76	STD. UNITS
FIELD TEMPERATURE	SM2550B			07/14/97	1215 CHR	30.8	DEGREES C
FIELD CONDUCTIVITY	SM2510B			07/14/97	1215 CHR	251	umhos/cm
DISSOLVED OXYGEN, FIELD	SM4500-O G			07/14/97	1215 CHR	2.2	mg/L
ALKALINITY, BICARB.	EPA310.1			07/15/97	1000 CMM	116	mg/l
CHLORIDE	EPA 325.2			07/14/97	1430 CMM	6.96	mg/L
COLOR	EPA 110.2			07/15/97	0910 CMM	170	PCU
AMMONIA NITROGEN	SM4500NH3E			07/18/97	0900 IF	0.66	mg/L
UN-IONIZED AMMONIA N	DEP SOP			07/22/97	0730 CEM	<0.02	mg/L
NITRATE	EPA 353.2			07/16/97	1230 IF	0.63	mg/L
TOTAL DISS. SOLIDS	EPA160.1			07/17/97	1630 CMM	201	mg/L
IRON, TOTAL	SM3113B	07/18/97	TER	08/06/97	1110 TER	0.29	mg/L
MERCURY, TOTAL	245.1			08/08/97	0905 TER	0.0005	mg/L
SODIUM, TOTAL	273.1	07/18/97	TER	08/06/97	1045 TER	4.87	mg/L

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QC REPORT FOR CLASS III LANDFILL 08/11/97

QA/QC for SAMPLE Nos: 58564, 58565,
 Page 2

Analyte	LAB ID	Precision Data				Accuracy Data	Reference Sample Data			
		Replicate A	Replicate B	Range	RPD %	% Spike Recovery	Reference Sample ID	Target	Found	% Recovery
IRON, TOTAL SM3113B mg/L	58702	2.598	2.596	0.0020	0.08	101.10	-----	-----	-----	-----
MERCURY, TOTAL 245.1 mg/L	58942	0.62	0.70	0.080	12.12	100.00	-----	-----	-----	-----
SODIUM, TOTAL 273.1 mg/L	58699	9.87	9.59	0.28	2.88	100.80	-----	-----	-----	-----