WEST PASCO CLASS III LF

PASCO COUNTY, FLORIDA

WACS 45799
QII 1994 GWMR

UTILITIES SERVICES BRANCH
PASCO COUNTY GOVT. COMPLEX
8864 GOVERNMENT DRIVE
NEW PORT RICHEY, FL 34654

DADE CITY (904) 521-4274
NEW PORT RICHEY (813) 847-8902

June 1, 1994

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

405/M 30035

RE: Groundwater Monitoring Analyses

Dear Ms. Amram:

Enclosed are the groundwater monitoring analyses from Monitoring Wells 2MW3, 2MW7, 2MW8, 2MW9, 2MW10, 4MW3, 4MW7, 4MW8, and 4MW9 at the Hays Road Class III Landfill for the Quarter II (April - June) sampling period.

Sincerely,

Candia E. Mulhern
Laboratory Manager

CEM/jb

Enclosure

cc: Chongman Lee, Florida Dept. of Environmental Protection, Waste Management Section, Twin Towers Bldg., 2600 Blair Stone Rd. Tallahassee, Fl 32399-2400
Douglas S. Bramlett, Assistant County Administrator (Utilities Services)
Robert J. Sigmond, Utilities Fiscal Services/Special Projects Director

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EA, SOLID WASTE

Florida Department of Environmental Regulation

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

DER Form #
Form Title
Effective Date
DER Application No.

QUARTERLY REPORT ON GROUND WATER MONITORING
Rule 17-4.245(6)(k)2.

GMS # 4051M30035 DATE

DER PERMIT # 5051-182279

Hays Road Class III Landfill
Installation Name

1275 Hays Rd. Spring Hill, Fl 34610
Address City State Zip County

Candia Mulhern Laboratory Supervisor
Owner or Authorized Representative's Name Title

Method of Discharge

Type of Industry Class III Landfill

Report for Period Apr 1994 (date) to Jun 1994 (date)

Attach monitoring data as approved in monitoring plan using parameter monitoring report forms. When applicable, attach additional sheets describing any changes in the background water quality and the discharge plume since the last reported description. Include any changes in size, direction of movement, rate of movement, and concentration changes of plume constituents in violation of the applicable standards.

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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.

Candia E. Mulhern 06/01/94
Owner or Authorized Representative's Signature Date

Northwest District Northeast District Central District Southwest District South District Southeast District

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Monitoring Well # 4051A16322

Well Name 4 MW 3

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) yes

Sample Date 04/15/94

Well Type: [X] Background
[ ] Site Boundary
[ ] Intermediate
[ ] Compliance

Ground Water Elevation (above MSL) 720.02 26.5

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservative Added
000620	Nitrate	Well Wiz. Ded.Mon. System	EPA 353.2	<0.10	mg/L	Unfiltered	H_2SO_4/
000929	Sodium		EPA 273.1	4.22	mg/L	"	HNO_3/4
082079	Turbidity		SM 214A	1.0	NTU	"	4°C
000940	Chloride		SM 407A	7.7	mg/L	"	4°C
070300	TDS		SM 209B	212	mg/L	"	4°C
000400	pH		EPA 150.1	7.01	Std.units	"	Field
001045	Iron		EPA 236.1	0.55	mg/L	"	HNO_3/4
000945	Sulfate		EPA 375.4	<1	mg/L	"	4°C
000010	Temp.		SM 212	24.14	°C	"	Field
000680	TOC		EPA 415.1	7.98	mg/L	"	H_2SO_4/
000095	Spec. Conduc.		SM 205	300	µmhos/cm	"	Field
000410	Bicarbonate		SM 403	147	mg/L	"	4°C
072020	Water Level			26.5	Feet	"	Field

*Well development is the process of pumping the well prior to sampling in order to obta representative ground water sample.

DER Form 17-1.216(2)
Effective January 1, 1983

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Sample Date 04/15/94

Monitoring Well # 4051A16233

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

Well Name 4 MW 8

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) YES

Ground Water Elevation (above MSL) 26.95

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservative Added
000620	Nitrate	Well Wiz Ded. Mon System	EPA 353.2	<0.10	mg/L	Unfiltered	H_2SO_4/
000929	Sodium		EPA 273.1	3.49	mg/L	"	HNO_3/4
082079	Turbidity		SM 214A	0.2	NTU	"	4°C
000940	Chloride		SM 407A	2.5	mg/L	"	4°C
070300	TDS		SM 209B	202	mg/L	"	4°C
000400	pH		EPA 150.1	7.21	Std.units	"	Field
001045	Iron		EPA 236.1	0.05	mg/L	"	HNO_3/4
000945	Sulfate		EPA 375.4	<1	mg/L	"	4°C
000010	Temp.		SM 212	26.55	°C	"	Field
000680	TOC		EPA 415.1	5.01	mg/L	"	H_2SO_4/
000095	Spec. Conduc.		SM 205	272	mhos/cm	"	Field
000410	Bicarbonate		SM 403	139	mg/L	"	4°C
072020	Water Level			26.95	Feet	"	Field

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DER Form 17-1.216(2)
Effective January 1, 1983

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Sample Date 04/15/94

Monitoring Well # 4051A16234

Well Name 4 MW 9

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) Yes

Ground Water Elevation (above MSL) 24.93

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservative Added
000620	Nitrate	Well Wiz Ded.Mon. System	EPA 353.2	<0.10	mg/L	Unfiltered	H_2SO_4/
000929	Sodium		EPA 273.1	3.88	mg/L	"	HNO_3/4
082079	Turbidity		SM 214A	1.4	NTU	"	4°C
000940	Chloride		SM 407A	5.6	mg/L	"	4°C
070300	TDS		SM 209B	236	mg/L	"	4°C
000400	pH		EPA 150.1	7.04	Std.units	"	Field
001045	Iron		EPA 236.1	0.44	mg/L	"	HNO_3/4
000945	Sulfate		EPA 375.4	1.5	mg/L	"	4°C
000010	Temp.		SM 212	25.41	°C	"	Field
000680	TOC		EPA 415.1	6.79	mg/L	"	H_2SO_4/
000095	Spec.Conduc		SM 205	316	umhos/cm	"	Field
000410	Bicarbonate		SM 403	160	mg/L	"	4°C
072020	Water Level			24.93	Feet	"	Field

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DER Form 17-1.216(2)
Effective January 1, 1983

W. Pasco Class III 4F

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406) Other Site Dry

GMS # 4051M30035

Sample Date 7-18-91

Monitoring Well # 632

Well Name 4 MW 3

Well Type: [X] Background
[ ] Site Boundary
[ ] Intermediate
[ ] Compliance

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) yes

Ground Water Elevation (above MSL) _____

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
000620	Nitrate	Well Wiz. Ded.Mon. System	EPA 353.2	0.74	mg/L	Unfiltered	$H_2SO_4/4^oC$
000929	Sodium		EPA 273.1	5.19	mg/L	"	$HNO_3/4^oC$
082079	Turbidity		SM 214A	1.50	NTU	"	4^oC
000940	Chloride		SM 407A	7.0	mg/L	"	4^oC
070300	TDS		SM 209B	160	mg/L	"	4^oC
000400	pH		EPA 150.1	7.40	Std.units	"	Field
001045	Iron		EPA 236.1	0.260	mg/L	"	$HNO_3/4^oC$
000945	Sulfate		EPA 375.4	<1	mg/L	"	4^oC
000010	Temp.		SM 212	24°	°C	"	Field
000680	TOC		EPA 415.1	4.09	mg/L	"	$H_2SO_4/4^oC$
000095	Spec. Conduc.		SM 205	180	µmhos/cm	"	Field
~~000410~~ 00625	Bicarbonate		SM 403	144	mg/L	"	4^oC
~~72020~~ 72002	Water Level			22.85	Feet	"	Field

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Rule 17-4.245(6)(k)2.

GMS # 4051M30035 DATE

DER PERMIT # 5051-182279

Hays Road Class III Landfill
Installation Name

1275 Hays Rd. Spring Hill, Fl. 34610
Address City State Zip County

Cnaid Mulhern Laboratory Supervisor
Owner or Authorized Representative's Name Title

Method of Discharge

Type of Industry Class III Landfill

Report for Period _____ (date) to _____ (date)

Attach monitoring data as approved in monitoring plan using parameter monitoring report forms. When applicable, attach additional sheets describing any changes in the background water quality and the discharge plume since the last reported description. Include any changes in size, direction of movement, rate of movement, and concentration changes of plume constituents in violation of the applicable standards.

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Owner or Authorized Representative's Signature Date

Northwest District 160 Governmental Center
Northeast District 3426 Bills Rd.
Central District 3319 Maguire Blvd. Suite 232
Southwest District 4520 Oak Fair Blvd.
South District 3729 Bay St.
Southeast District 1900 S. Congress Ave. Suite A

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Sample Date 7-18-91

Monitoring Well # 6232

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

Well Name 4 MW 7

Classification of Groundwater Floridian

Well Developed* Prior to Sample Collection (Yes/No) Yes

Ground Water Elevation (above MSL) 27.38 f

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
000620	Nitrate	WELL WIZARD DED. MON. SYSTEM	EPA 353.2	0.04	mg/L	Unfiltered	H_2SO_4/4°C
000929	Sodium		EPA 273.1	4.93	mg/L	"	HNO_3/4°C
082079	Turbidity		SM 214A	2.55	NTU	"	4°C
000940	Chloride		SM 407A	5.5	mg/L	"	4°C
070300	TDS		SM 209B	196	mg/L	"	4°C
000400	pH		EPA 150.1	7.34	Std.units	"	Field
001045	Iron		EPA 236.1	0.180	mg/L	"	HNO_3/4°C
000945	Sulfate		EPA 375.4	2.0	mg/L	"	4°C
000010	Temp.		SM 212	25.5°	°C	"	Field
000680	TOC		EPA 415.1	0.80	mg/L	"	H_2SO_4/4°C
000095	Spec.Conduc.		SM 205	270	μ mhos/cm	"	Field
000410	Bicarbonate		SM 403	161	mg/L	"	4°C
072020	Water Level			27.38	Feet	"	Field

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DER Form 17-1.216(2)
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Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

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Rule 17-4.245(6)(k)2.

GMS # 4051M30035 DATE

DER PERMIT # 5051-182279

Hays Road Class III Landfill
Installation Name

1275 Hays Rd. Spring Hill, FL 34610
Address City State Zip County

Candia Mulhern Laboratory Supervisor
Owner or Authorized Representative's Name Title

Method of Discharge

Type of Industry Class III Landfill

Report for Period _____ (date) to _____ (date)

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Owner or Authorized Representative's Signature Date

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Sample Date 7-18-91

Monitoring Well # 6233

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

Well Name 4 MW 8

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) YES

Ground Water Elevation (above MSL) 31.9 f

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
000620	Nitrate	Well Wiz	EPA 353.2	0.13	mg/L	Unfiltered	$H_2SO_4/4^0C$
000929	Sodium	Ded. Mon System	EPA 273.1	5.13	mg/L	"	$HNO_3/4^0C$
082079	Turbidity		SM 214A	0.19	NTU	"	4^0C
000940	Chloride		SM 407A	5.5	mg/L	"	4^0C
070300	TDS		SM 209B	142	mg/L	"	4^0C
000400	pH		EPA 150.1	7.54	Std.units	"	Field
001045	Iron		EPA 236.1	<0.02	mg/L	"	$HNO_3/4^0C$
000945	Sulfate		EPA 375.4	<1	mg/L	"	4^0C
000010	Temp.		SM 212	24.6°	°C	"	Field
000680	TOC		EPA 415.1	< 0.80	mg/L	"	$H_2SO_4/4^0C$
000095	Spec. Conduc.		SM 205	210	mhos/cm	"	Field
000410	Bicarbonate		SM 403	133.5	mg/L	"	4^0C
072020	Water Level			31.9	Feet	"	Field

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

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Rule 17-4.245(6)(k)2.

GMS # 4051M30035 DATE

DER PERMIT # 5051-182279

Hays Road Class III Landfill
Installation Name

1275 Hays Rd. Spring Hill, Fl. 34610
Address City State Zip County

Candia Mulhern Laboratory Supervisor
Owner or Authorized Representative's Name Title

Method of Discharge

Type of Industry Class III Landfill

Report for Period _____ (date) to _____ (date)

Attach monitoring data as approved in monitoring plan using parameter monitoring report forms. When applicable, attach additional sheets describing any changes in the background water quality and the discharge plume since the last reported description. Include any changes in size, direction of movement, rate of movement, and concentration changes of plume constituents in violation of the applicable standards.

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Owner or Authorized Representative's Signature Date

Northwest District 160 Governmental Center
Northeast District 3426 Bills Rd.
Central District 3319 Maguire Blvd. Suite 232
Southwest District 4520 Oak Fair Blvd.
South District 2269 Bay St.
Southeast District 3301 Gun Club Rd.

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Sample Date 7-18-91

Monitoring Well # 6234

Well Name 4 MW 9

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) Yes

Ground Water Elevation (above MSL) 29.58 f

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
000620	Nitrate	Well Wiz Ded. Mon. System	EPA 353.2	2.03	mg/L	Unfiltered	H_2SO_4/4°C
000929	Sodium		EPA 273.1	3.79	mg/L	"	HNO_3/4°C
082079	Turbidity		SM 214A	0.04	NTU	"	4°C
000940	Chloride		SM 407A	5.5	mg/L	"	4°C
070300	TDS		SM 209B	190	mg/L	"	4°C
000400	pH		EPA 150.1	7.40	Std.units	"	Field
001045	Iron		EPA 236.1	< 0.02	mg/L	"	HNO_3/4°C
000945	Sulfate		EPA 375.4	< 1	mg/L	"	4°C
000010	Temp.		SM 212	24.8°	°C	"	Field
000680	TOC		EPA 415.1	< 0.80	mg/L	"	H_2SO_4/4°C
000095	Spec. Conduc		SM 205	260	µmhos/cm	"	Field
00041~~0~~ 415	Bicarbonate		SM 403	163	mg/L	"	4°C
072020	Water Level			29.58	Feet	"	Field

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

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Rule 17-4.245(6)(k)2.

GMS # 4051M30035 DATE

DER PERMIT # 5051-182279

Hays Road Class III Landfill
Installation Name

1275 Hays Rd. Spring Hill, FL. 34610
Address City State Zip County

Candia Mulhern Laboratory Supervisor
Owner or Authorized Representative's Name Title

Method of Discharge

Type of Industry Class III Landfill

Report for Period _____ (date) to _____ (date)

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_____ _____
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Northeast District 3426 Bills Rd.
Central District 3319 Maguire Blvd. Suite 232
Southwest District 4520 Oak Fair Blvd.
South District 2269 Bay St.
Southeast District 1900 S. Congress Ave. Suite A

West Pasco Oaks III

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Monitoring Well # 63

Well Name 4 MW 3

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) yes

Sample Date 10-25-90

Well Type: [X] Background
[ ] Site Boundary
[ ] Intermediate
[ ] Compliance

Ground Water Elevation (above MSL) _____ ft

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
000620	Nitrate	Well Wiz. Ded.Mon. System	EPA 353.2	0.04	mg/L	Unfiltered	$H_2SO_4/4^oC$
000929	Sodium		EPA 273.1	< 3	mg/L	"	$HNO_3/4^oC$
082079	Turbidity		SM 214A	0.59	NTU	"	4^oC
000940	Chloride		SM 407A	5.5	mg/L	"	4^oC
070300	TDS		SM 209B	152	mg/L	"	4^oC
000400	pH		EPA 150.1	7.84	Std.units	"	Field
001045	Iron		EPA 236.1	<0.1	mg/L	"	$HNO_3/4^oC$
000945	Sulfate		EPA 375.4	0.05	mg/L	"	4^oC
000010	Temp.		SM 212	23°	°C	"	Field
000680	TOC		EPA 415.1	5.88	mg/L	"	$H_2SO_4/4^oC$
000095	Spec. Conduc.		SM 205	230	µmhos/cm	"	Field
000410	Bicarbonate	425	SM 403	132	mg/L	"	4^oC
072020	Water Level		72002	21.2	Feet	"	Field

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Florida Department of Environmental Regulation
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Owner or Authorized Representative's Name Title

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PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035 Sample Date 10/25/90

Monitoring Well # 6232

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

Well Name 4 MW 7

Classification of Groundwater Floridian

Well Developed* Prior to Sample Collection (Yes/No) Yes

Ground Water Elevation (above MSL) 31.68 Ft

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
000620	Nitrate	WELL WIZARD DED. MON. SYSTEM	EPA 353.2	0.10	mg/L	Unfiltered	H_2SO_4/4°C
000929	Sodium		EPA 273.1	6.55	mg/L	"	HNO_3/4°C
082079	Turbidity		SM 214A	0.63	NTU	"	4°C
000940	Chloride		SM 407A	4	mg/L	"	4°C
070300	TDS		SM 209B	85	mg/L	"	4°C
000400	pH		EPA 150.1	7.62	Std.units	"	Field
001045	Iron		EPA 236.1	<0.1	mg/L	"	HNO_3/4°C
000945	Sulfate		EPA 375.4	2.3	mg/L	"	4°C
000010	Temp.		SM 212	23°	°C	"	Field
000680	TOC		EPA 415.1	2.98	mg/L	"	H_2SO_4/4°C
000095	Spec.Conduc.		SM 205	120	μ mhos/cm	"	Field
000410	Bicarbonate		SM 403	121	mg/L	"	4°C
072020	Water Level			31.68	Feet	"	Field
				50.38			

*Well development is the process of pumping the well prior to sampling in order to obtain representative ground water sample.

DER Form 17-1.216(2)
Effective January 1, 1983

Florida Department of Environmental Regulation

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

DER Form #
Form Title
Effective Date
DER Application No.
Filed in by DER

QUARTERLY REPORT ON GROUND WATER MONITORING
Rule 17-4.245(6)(k)2.

GMS # 4051M30035 DATE

DER PERMIT # 5051-182279

Hays Road Class III Landfill
Installation Name

1275 Hays Rd. Spring Hill, FL 34610
Address City State Zip County

Candia Mulhern Laboratory Supervisor
Owner or Authorized Representative's Name Title

Method of Discharge

Type of Industry Class III Landfill

Report for Period _____ (date) to _____ (date)

Attach monitoring data as approved in monitoring plan using parameter monitoring report forms. When applicable, attach additional sheets describing any changes in the background water quality and the discharge plume since the last reported description. Include any changes in size, direction of movement, rate of movement, and concentration changes of plume constituents in violation of the applicable standards.

NOTE: Pursuant to Rule 17-4.245(6)(k)3., at any time there is a change in the permitted volume, location or chemical, physical or microbiological composition of the discharge plume, the permittee shall notify the department and, if required by the department, submit a new report stating the volume and chemical, physical and microbiological compositions of the discharge at the point of release or contact with the ground water at the site boundary.

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.

Owner or Authorized Representative's Signature Date

Northwest District Northeast District Central District Southwest District South District Southeast District

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Sample Date 10/25/90

Monitoring Well # 6233

Well Name 4 MW 8

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) YES

Ground Water Elevation (above MSL) 33 f

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
000620	Nitrate	Well Wiz	EPA 353.2	0.05	mg/L	Unfiltered	$H_2SO_4/4^oC$
000929	Sodium	Ded. Mon System	EPA 273.1	3.40	mg/L	"	$HNO_3/4^oC$
082079	Turbidity		SM 214A	0.56	NTU	"	4^oC
000940	Chloride		SM 407A	6	mg/L	"	4^oC
070300	TDS		SM 209B	145	mg/L	"	4^oC
000400	pH		EPA 150.1	8.19	Std.units	"	Field
001045	Iron		EPA 236.1	<0.1	mg/L	"	$HNO_3/4^oC$
000945	Sulfate		EPA 375.4	1.2	mg/L	"	4^oC
000010	Temp.		SM 212	23°	°C	"	Field
000680	TOC		EPA 415.1	0.80	mg/L	"	$H_2SO_4/4^oC$
000095	Spec. Conduc.		SM 205	230	mhos/cm	"	Field
000410	Bicarbonate		SM 403	133	mg/L	"	4^oC
072020	Water Level			33	Feet	"	Field
				51.5			

*Well development is the process of pumping the well prior to sampling in order to obtain representative ground water sample.

DER Form 17-1.216(2)
Effective January 1, 1983

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

DER Form #
Form Title
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QUARTERLY REPORT ON GROUND WATER MONITORING
Rule 17-4.245(6)(k)2.

GMS # 4051M30035 DATE

DER PERMIT # 5051-182279

Hays Road Class III Landfill
Installation Name

1275 Hays Rd. Spring Hill, Fl. 34610
Address City State Zip County

Candia Mulhern — Laboratory Supervisor
Owner or Authorized Representative's Name Title

Method of Discharge

Type of Industry Class III Landfill

Report for Period _____ (date) to _____ (date)

Attach monitoring data as approved in monitoring plan using parameter monitoring report forms. When applicable, attach additional sheets describing any changes in the background water quality and the discharge plume since the last reported description. Include any changes in size, direction of movement, rate of movement, and concentration changes of plume constituents in violation of the applicable standards.

NOTE: Pursuant to Rule 17-4.245(6)(k)3., at any time there is a change in the permitted volume, location or chemical, physical or microbiological composition of the discharge plume, the permittee shall notify the department and, if required by the department, submit a new report stating the volume and chemical, physical and microbiological compositions of the discharge at the point of release or contact with the ground water at the site boundary.

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Owner or Authorized Representative's Signature Date

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Sample Date 10/25/90

Monitoring Well # 623f

Well Name 4 MW 9

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) Yes

Ground Water Elevation (above MSL) 31.08 f

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
000620	Nitrate	Well Wiz Ded.Mon. System	EPA 353.2	0.12	mg/L	Unfiltered	H_2SO_4/4 °C
000929	Sodium		EPA 273.1	3.78	mg/L	"	HNO_3/4°C
082079	Turbidity		SM 214A	0.11	NTU	"	4°C
000940	Chloride		SM 407A	5	mg/L	"	4°C
070300	TDS		SM 209B	173	mg/L	"	4°C
000400	pH		EPA 150.1	7.69	Std.units	"	Field
001045	Iron		EPA 236.1	<0.1	mg/L	"	HNO_3/4°C
000945	Sulfate		EPA 375.4	0.2	mg/L	"	4°C
000010	Temp.		SM 212	23°	°C	"	Field
000680	TOC		EPA 415.1	<0.08	mg/L	"	H_2SO_4/4°C
000095	Spec.Conduc		SM 205	260	µmhos/cm	"	Field
000410	Bicarbonate		SM 403	154	mg/L	"	4°C
072020	Water Level			31.08	Feet	"	Field
				51.88			

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

DER Form #
Form Title
Effective Date
DER Accession No. (Affixed by DER)

QUARTERLY REPORT ON GROUND WATER MONITORING
Rule 17-4.245(6)(k)2.

GMS # 4051M30035 DATE

DER PERMIT # 5051-182279

Hays Road Class III Landfill
Installation Name

1275 Hays Rd. Spring Hill, FL. 34610
Address City State Zip County

Candia Mulhern — Laboratory Supervisor
Owner or Authorized Representative's Name Title

Method of Discharge

Type of Industry Class III Landfill

Report for Period _____ (date) to _____ (date)

Attach monitoring data as approved in monitoring plan using parameter monitoring report forms. When applicable, attach additional sheets describing any changes in the background water quality and the discharge plume since the last reported description. Include any changes in size, direction of movement, rate of movement, and concentration changes of plume constituents in violation of the applicable standards.

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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.

Owner or Authorized Representative's Signature Date

Northwest District 160 Governmental Center
Northeast District 3426 Bills Rd.
Central District 3319 Maguire Blvd. Suite 232
Southwest District 4520 Oak Fair Blvd.
South District 3301 Gun Club Rd.
Southeast District 1900 S. Congress Ave. Suite A

THORNTON LABORATORIES, INC.
1145 EAST CASS STREET
TAMPA, FLORIDA 33601 - 2880
MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES
HRS #84147 & HRS #E84100

FAX 813 223-9332
THORNT LAB TPA

TELEPHONE (813) 223-9702
P.O. BOX 2880

9-Jul-1990

Report For: Pasco County Utilities
7536 State St.
New Port Richey Fl 33553

405/M30035

Sample Identification:

Water attn: Candia Mulhern
Location: Landfill III Well: 4 MW 3
Sampled by: JR, 6-19-90 @ 3:30 Water Depth: 25'5"
Field pH: 7.49 Field Temp: 25
Field Cond: 250 umhos/cm Vol Removed: 30 gal

63 22

Date Received: June 21 1990

Laboratory Number: 743636

CERTIFICATE OF ANALYSIS

Method	Parameter	Result*	Standard Detection Limi Units
EPA 504	Ethylene Dibromide (EDB)	D	0.02 ug/L
EPA 376.1	Hydrogen Sulfide (H2S)	0.07	0.04 mg/L
EPA 206.3	Arsenic (As)	D	0.005 mg/L
EPA 208.1	Barium (Ba)	D	0.03 mg/L
EPA 213.1	Cadmium (Cd)	0.003	0.002 mg/L
EPA 215.1	Calcium (Ca)	57	0.005 mg/L
EPA 218.1	Chromium (Cr)	D	0.005 mg/L
EPA 220.1	Copper (Cu)	D	0.005 mg/L

* A letter D indicates that none of that parameter was found at the standard detection limit. Values followed by D indicate that a different detection limit was determined for this sample.

THORNTON LABORATORIES, INC.

Debra Scott

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7536 State St.
New Port Richey Fl 33553

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Location: Landfill III Well: 4 MW 3
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Field pH: 7.49 Field Temp: 25
Field Cond: 250 umhos/cm Vol Removed: 30 gal

Date Received: June 21 1990

Laboratory Number: 743636

CERTIFICATE OF ANALYSIS

Method	Parameter	Result*	Standard Detection Limi Units
EPA 236.1	Iron (Fe)	0.22	0.005 mg/L
EPA 239.1	Lead (Pb)	D	0.01 mg/L
EPA 242.1	Magnesium (Mg)	17	0.005 mg/L
EPA 243.1	Manganese (Mn)	0.007	0.005 mg/L
EPA 245.1	Mercury (Hg)	D	.0002 mg/L
EPA 270.3	Selenium (Se)	D	0.01 mg/L
EPA 272.1	Silver (Ag)	D	0.005 mg/L
EPA 273.1	Sodium (Na)	3.4	0.005 mg/L

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Location: Landfill III Well: 4 MW 3
Sampled by: JR, 6-19-90 @ 3:30 Water Depth: 25'5"
Field pH: 7.49 Field Temp: 25
Field Cond: 250 umhos/cm Vol Removed: 30 gal

Date Received: June 21 1990

Laboratory Number: 743636

CERTIFICATE OF ANALYSIS

Method	Parameter	Result*	Standard Detection Lim Units
EPA 289.1			
	Zinc (Zn)	0.005	0.005 mg/L
EPA 353.2			
	Nitrate Nitrogen, (N)	0.05	0.02 mg/L
APHA 509A			
	Endrin	D	.0001 mg/L
	Lindane	D	.0002 mg/L
	Methoxychlor	D	.005 mg/L
	Toxaphene	D	.001 mg/L
EPA 608 Organochlorine Pesticides, PCBs			
	Aldrin	D	1 ug/L
	alpha-BHC	D	1 ug/L
	beta-BHC	D	1 ug/L
	delta-BHC	D	1 ug/L
	gamma-BHC	D	1 ug/L
	Chlordane	D	1 ug/L

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Field pH: 7.49 Field Temp: 25
Field Cond: 250 umhos/cm Vol Removed: 30 gal

Date Received: June 21 1990

Laboratory Number: 743636

CERTIFICATE OF ANALYSIS

Method	Parameter	Result*	Standard Detection Limi Units
	4,4'-DDD	D	1 ug/L
	4,4'-DDE	D	1 ug/L
	4,4'-DDT	D	1 ug/L
	Dieldrin	D	1 ug/L
	Endosulfan I	D	1 ug/L
	Endosulfan II	D	1 ug/L
	Endosulfan Sulfate	D	1 ug/L
	Endrin	D	1 ug/L
	Endrin Aldehyde	D	1 ug/L
	Heptachlor	D	1 ug/L
	Heptachlor Epoxide	D	1 ug/L
	Methoxychlor	D	1 ug/L
	Toxaphene	D	1 ug/L
	PCB-1016	D	1 ug/L
	PCB-1221	D	1 ug/L
	PCB-1232	D	1 ug/L

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Sample Identification:

Water attn: Candia Mulhern
Location: Landfill III Well: 4 MW 3
Sampled by: JR, 6-19-90 @ 3:30 Water Depth: 25'5"
Field pH: 7.49 Field Temp: 25
Field Cond: 250 umhos/cm Vol Removed: 30 gal

Date Received: June 21 1990

Laboratory Number: 743636

CERTIFICATE OF ANALYSIS

Method	Parameter	Result*	Standard Detection Limi Units
	PCB-1242	D	1 ug/L
	PCB-1248	D	1 ug/L
	PCB-1254	D	1 ug/L
	PCB-1260	D	1 ug/L
APHA 509B			
	2,4-D	D	.02 mg/L
	2,4,5-TP	D	.002 mg/L
APHA 703			
	Gross Alpha	0.1	pCi/L
	95% Confidence Interval, +/-	1.0	
EPA 150.1			
	pH Value	7.4	
CALC			
	~~PHs Value~~	7.46	
	Stability Index 2pHs-pH	7.44	
	Saturation Index pH-pHs	0.03	

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Report For: Pasco County Utilities
7536 State St.
New Port Richey Fl 33553

Sample Identification:

Water attn: Candia Mulhern
Location: Landfill III Well: 4 MW 3
Sampled by: JR, 6-19-90 @ 3:30 Water Depth: 25'5"
Field pH: 7.49 Field Temp: 25
Field Cond: 250 umhos/cm Vol Removed: 30 gal

Date Received: June 21 1990

Laboratory Number: 743636

CERTIFICATE OF ANALYSIS

Method	Parameter	Result*	Standard Detection Limi Units
	Interpretation	STABLE	
EPA 110.2	Color	0	0 PCU
EPA 140.1	Odor	0	0 TU
EPA 160.1	Total Dissolved Solids	166	2 mg/L
EPA 180.1	Turbidity	1.6	0.01 NTU
EPA 215.2	Total Hardness as CaCO3	213	1 mg/L
EPA 310.1	Total Alkalinity as CaCO3	156	0.5 mg/L
	Carbonate as CaCO3	0	0.0 mg/L
	Hydroxide as CaCO3	0	0.0 mg/L

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Sample Identification:

Water attn: Candia Mulhern
Location: Landfill III Well: 4 MW 3
Sampled by: JR, 6-19-90 @ 3:30 Water Depth: 25'5"
Field pH: 7.49 Field Temp: 25
Field Cond: 2!) umhos/cm Vol Removed: 30 gal

Date Received: June 21 1990

Laboratory Number: 743636

CERTIFICATE OF ANALYSIS

Method	Parameter	Result*	Standard Detection Limi Units
425	Bicarbonate as CaCO3	156	0.0 mg/L
440	Bicarbonate as HCO3	190	0.0 mg/L
902	N.C.H. as CaCO3	57	mg/L
APHA 406	Carbon Dioxide (CO2)	10	0 mg/L
EPA 325.3	Chloride (Cl)	7.3	0.5 mg/L
EPA 340.2	Fluoride (F)	D	0.1 mg/L
EPA 375.2	Sulfate (SO4)	D	1 mg/L
EPA 425.1	Surfactants	0.03	0.02 mg/L

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New Port Richey Fl 33553

Sample Identification:

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Location: Landfill III Well: 4 MW 3
Sampled by: JR, 6-19-90 @ 3:30 Water Depth: 25'5"
Field pH: 7.49 Field Temp: 25
Field Cond: 250 umhos/cm Vol Removed: 30 gal

Date Received: June 21 1990

Laboratory Number: 743636

CERTIFICATE OF ANALYSIS

Method	Parameter	Result*	Standard Detection Limit Units
EPA 502.1			
	Total Trihalomethanes	D	0.001 mg/L
	Chloroform	D	0.001 mg/L
	Bromodichloromethane	D	0.001 mg/L
	Dibromochloromethane	D	0.001 mg/L
	Bromoform	D	0.001 mg/L
EPA 502.1,503.1			
	Trichloroethene	D	1 ug/L
	Tetrachloroethene	D	1 ug/L
	Carbon Tetrachloride	D	1 ug/L
	Vinyl Chloride	D	1 ug/L
	1,1,1-Trichloroethane	260	1 ug/L
	1,2-Dichloroethane	D	1 ug/L
	Benzene	D	1 ug/L
	p-Dichlorobenzene	D	1 ug/L
	1,1-Dichloroethene	D	1 ug/L

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THORNTON LABORATORIES, INC.

Debra Scott

PASCO COUNTY, FLORIDA

DADE CITY (904) 521-4274
NEW PORT RICHEY (813) 847-8041

ENVIRONMENTAL MANAGEMENT
PASCO COUNTY GOVT. COMPLEX
7536 STATE STREET
NEW PORT RICHEY, FL 34654

WASTE MANAGEMENT

PASCO COUNTY ENVIRONMENTAL LABORATORY

405/At

DHRS Lab Nos.: 54237
E44123

Net Pasco Class III LF

Sample Site: Class III Landfill; Hays Road
Sampled by: A. Ciccone

6232

Well	Date Sampled	Date Analyzed	Total Coliform (MF/100 ml)	Noncoliform (MF/100 ml)
4MW7	05/21/90	05/21/90	<1	<1

Candia E. Mulhern 05/25/90
Candia E. Mulhern Date
Laboratory Supervisor

CEM/r052406:wp

THORNTON LABORATORIES, INC.
1145 EAST CASS STREET
TAMPA, FLORIDA 33601 - 2880
MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES
HRS #84147 & HRS #E84100

FAX 813 223-9332
THORNT LAB TPA

TELEPHONE (813) 223-9702
P.O. BOX 2880

23-May-1990

Report For: Pasco County Utilities
7536 State St.
New Port Richey Fl 33553

RECEIVED
JUN 15 1990
WASTE MANAGEMENT

Sample Identification:

Water Attn: Candia Mulhern
Location: Class III Landfill Well 4MW7
Date 05-15-90 @1030 Sampled by AC Water Depth 23.1
Field Temp 25.4 Field pH 7.64 Field Cond 210 unhmos
Kit #25885

Date Received: May 17 1990

Laboratory Number: 748026

405/A2
6232

CERTIFICATE OF ANALYSIS

Method	Parameter		Result*	Standard Detection Limit-Units
EPA 601	1,1,1-Trichloroethane	506	D	1 ug/L

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THORNTON LABORATORIES, INC.

Debra Scott

PASCO COUNTY, FLORIDA

ENVIRONMENTAL MANAGEMENT DIV.
PASCO COUNTY GOVT. COMPLEX
7536 STATE STREET
NEW PORT RICHEY, FL 34654

DADE CITY (904) 521-4274
NEW PORT RICHEY (813) 847-8041

June 13, 1990

405IM30035

D.E.R.

JUN 15 1990

SOUTHWEST DISTRICT
TAMPA

Mr. Kim Ford
Solid Waste Section
Florida Department of
Environmental Regulation
4520 Oak Fair Boulevard
Tampa, FL 33610

RE: West Pasco Class III Landfill

Dear Mr. Ford:

Enclosed please find the background analysis for monitoring wells 4 MW-7 (16232), 4 MW-8 (33), and 4 MW-9 (34) at the Hays Road Class III Landfill. Monitoring wells 2 MW-7 (35), 2 MW-8 (36), 2 MW-9 (37), and 2 MW-10 (38) were dry at the time of sampling. Therefore, we will proceed with first round sampling when water is available in these wells.

The well completion data as well as the background analysis will follow shortly from Camp Dresser & McKee.

If you have any questions feel free to contact me.

Sincerely,

Candia E. Mulhern

Candia E. Mulhern
Laboratory Supervisor

CEM/hc
Enclosure

cc: George W. Ellsworth, Environmental Management Director

PASCO COUNTY, FLORIDA

DADE CITY (904) 521-4274
NEW PORT RICHEY (813) 847-8041

ENVIRONMENTAL MANAGEMENT
PASCO COUNTY GOVT. COMPLEX
7536 STATE STREET
NEW PORT RICHEY, FL 34654

PASCO COUNTY ENVIRONMENTAL LABORATORY

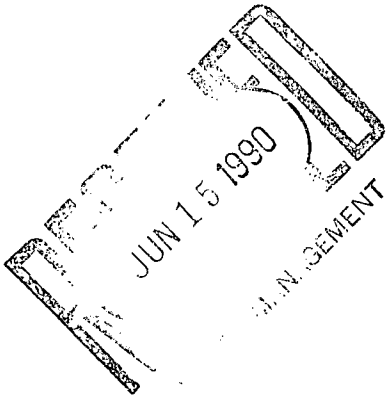
DHRS Lab Nos.: 54237
E44123

Sample Site: Hayes Road - Class III Landfill
Sampled By: Allen L. Ciccone

Well	Date Sampled	Date Analyzed	Total Coliform (MF/100 ml)	Noncoliform (MF/100 ml)	Fecal Coliform (MF/100 ml)
16232 4MW7	04/06/90	04/06/90	5	18	<1
4MW8	04/05/90	04/05/90	<1	<1	<1
4MW9	04/05/90	04/05/90	<1	3	<1

Candia E. Mulhern 4/12/90
Candia E. Mulhern Date
Laboratory Supervisor

CEM/r041108:wp


JUN 15 1990
MANAGEMENT

THORNTON LABORATORIES, INC.
1145 EAST CASS STREET
TAMPA, FLORIDA 33601 - 2880
MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES
HRS #84147 & HRS #E84100

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TELEPHONE (813) 223-9702
P.O. BOX 2880

4-May-1990
Page 1

Report For: Pasco County Utilities
7536 State St.
New Port Richey Fl 33553

RECEIVED
JUN 15 1990

Sample Identification:

Water attn: Candia Mulhern
Location: Hayes Rd Landfill Well: 4 MW 7
Sampled by: AC, 4-6-90 @1335
Water Depth: 22.1 Field pH: 7.74
Field Temp: 23.9 Field Cond: 205 umhos/cm

Date Received: April 10 1990

Laboratory Number: 743639

CERTIFICATE OF ANALYSIS

Method	Parameter	Result*	Standard Detection Limit-Units
EPA 504	Ethylene Dibromide (EDB)	D	0.02 ug/L
EPA 376.1	Hydrogen Sulfide (H2S)	D	0.04 mg/L
EPA 206.3	Arsenic (As)	D	0.005 mg/L
EPA 208.1	Barium (Ba)	D	0.03 mg/L
EPA 213.1	Cadmium (Cd)	0.003	0.002 mg/L
EPA 215.1	Calcium (Ca)	41	0.005 mg/L
EPA 218.1	Chromium (Cr)	D	0.005 mg/L
EPA 220.1	Copper (Cu)	D	0.005 mg/L

* A letter D indicates that none of that parameter was found at the standard detection limit. Values followed by D indicate that a different detection limit was determined for this sample.

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Debra Scott

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Date Received: April 10 1990

Laboratory Number: 743639

CERTIFICATE OF ANALYSIS

Method	Parameter	Result*	Standard Detection Limit-Units
EPA 236.1	Iron (Fe)	0.047	0.005 mg/L
EPA 239.1	Lead (Pb)	D	0.01 mg/L
EPA 242.1	Magnesium (Mg)	0.76	0.005 mg/L
EPA 243.1	Manganese (Mn)	D	0.005 mg/L
EPA 245.1	Mercury (Hg)	D	.0002 mg/L
EPA 270.3	Selenium (Se)	D	0.01 mg/L
EPA 272.1	Silver (Ag)	D	0.005 mg/L
EPA 273.1	Sodium (Na)	3.2	0.005 mg/L

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Date Received: April 10 1990

Laboratory Number: 743639

CERTIFICATE OF ANALYSIS

Method	Parameter	Result*	Standard Detection Limit-Units
EPA 289.1			
	Zinc (Zn)	D	0.005 mg/L
EPA 353.2			
	Nitrate Nitrogen, (N)	0.05	0.02 mg/L
APHA 509A			
	Endrin	D	.0001 mg/L
	Lindane	D	.0002 mg/L
	Methoxychlor	D	.005 mg/L
	Toxaphene	D	.001 mg/L
EPA 608 Organochlorine Pesticides, PCBs			
	Aldrin	D	1 ug/L
	alpha-BHC	D	1 ug/L
	beta-BHC	D	1 ug/L
	delta-BHC	D	1 ug/L
	gamma-BHC	D	1 ug/L
	Chlordane	D	1 ug/L

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Field Temp: 23.9 Field Cond: 205 umhos/cm

Date Received: April 10 1990

Laboratory Number: 743639

CERTIFICATE OF ANALYSIS

Method	Parameter	Result*	Standard Detection Limit-Units
	4,4'-DDD	D	1 ug/L
	4,4'-DDE	D	1 ug/L
	4,4'-DDT	D	1 ug/L
	Dieldrin	D	1 ug/L
	Endosulfan I	D	1 ug/L
	Endosulfan II	D	1 ug/L
	Endosulfan Sulfate	D	1 ug/L
	Endrin	D	1 ug/L
	Endrin Aldehyde	D	1 ug/L
	Heptachlor	D	1 ug/L
	Heptachlor Epoxide	D	1 ug/L
	Methoxychlor	D	1 ug/L
	Toxaphene	D	1 ug/L
	PCB-1016	D	1 ug/L
	PCB-1221	D	1 ug/L
	PCB-1232	D	1 ug/L

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CERTIFICATE OF ANALYSIS

Method	Parameter	Result*	Standard Detection Limit-Units
	PCB-1242	D	1 ug/L
	PCB-1248	D	1 ug/L
	PCB-1254	D	1 ug/L
	PCB-1260	D	1 ug/L
APHA 509B			
	2,4-D	D	.02 mg/L
	2,4,5-TP	D	.002 mg/L
APHA 703			
	Gross Alpha	0.0	pCi/L
	95% Confidence Interval, +/-	0.6	
EPA 150.1			
	pH Value	7.7	
CALC			
	~~PHs Value~~	7.7	
	Stability Index 2pHs-pH	7.6	
	~~Saturation Index~~ pH-pHs	0.05	

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Field Temp: 23.9 Field Cond: 205 umhos/cm

Date Received: April 10 1990

Laboratory Number: 743639

CERTIFICATE OF ANALYSIS

Method	Parameter	Result*	Standard Detection Limit-Units
	Interpretation	SCALE FORMING	
EPA 110.2	Color	5	0 PCU
EPA 140.1	Odor	0	0 TU
EPA 160.1	Total Dissolved Solids	140	2 mg/L
EPA 180.1	Turbidity	1.0	0.01 NTU
EPA 215.2	Total Hardness as CaCO3	106	1 mg/L
EPA 310.1	Total Alkalinity as CaCO3	112	0.5 mg/L
	Carbonate as CaCO3	0	0.0 mg/L
	~~Hydroxide as CaCO3~~	0	0.0 mg/L

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Date Received: April 10 1990

Laboratory Number: 743639

CERTIFICATE OF ANALYSIS

Method	Parameter	Result*	Standard Detection Limit-Units
EPA 310.1	Bicarbonate as CaCO3	112	0.0 mg/L
	Bicarbonate as HCO3	137	0.0 mg/L
	N.C.H. as CaCO3	0	mg/L
APHA 406	Carbon Dioxide (CO2)	4.1	0 mg/L
EPA 325.3	Chloride (Cl)	5.0	0.5 mg/L
EPA 340.2	Fluoride (F)	D	0.1 mg/L
EPA 375.2	Sulfate (SO4)	D	1 mg/L
EPA 425.1	Surfactants	D	0.02 mg/L

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Field Temp: 23.9 Field Cond: 205 umhos/cm

Date Received: April 10 1990

Laboratory Number: 743639

CERTIFICATE OF ANALYSIS

Method	Parameter	Result*	Standard Detection Limit-Units
EPA 502.1			
	Total Trihalomethanes	D	0.001 mg/L
	Chloroform	D	0.001 mg/L
	Bromodichloromethane	D	0.001 mg/L
	Dibromochloromethane	D	0.001 mg/L
	Bromoform	D	0.001 mg/L
EPA 502.1,503.1			
	Trichloroethene	D	1 ug/L
	Tetrachloroethene	D	1 ug/L
	Carbon Tetrachloride	D	1 ug/L
	Vinyl Chloride	D	1 ug/L
	1,1,1-Trichloroethane	8.0	1 ug/L
	1,2-Dichloroethane	D	1 ug/L
	Benzene	D	1 ug/L
	p-Dichlorobenzene	D	1 ug/L
	1,1-Dichloroethene	D	1 ug/L

506

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P.O. BOX 2880

4-May-1990

Report For: Pasco County Utilities
7536 State St.
New Port Richey Fl 33553

RECEIVED
JUN 15 1990
WASTE MANAGEMENT

Sample Identification:

Water attn: ~~Candia~~ Mulhern
Location: Hayes Rd Landfill Well: 4 MW 8
Sampled by: AC, 4-5-90 @1310
Water Depth: 21.4' Field pH: 7.35
Field Temp: 25 Field Cond: 240 umhos/cm

Date Received: April 10 1990

Laboratory Number: 743638

6233

CERTIFICATE OF ANALYSIS

Method	Parameter	Result*	Standard Detection Limit-Units
EPA 504	Ethylene Dibromide (EDB)	D	0.02 ug/L
EPA 376.1	Hydrogen Sulfide (H2S)	D	0.04 mg/L
EPA 206.3	Arsenic (As)	D	0.005 mg/L
EPA 208.1	Barium (Ba)	D	0.03 mg/L
EPA 213.1	Cadmium (Cd)	0.003	0.002 mg/L
EPA 215.1	Calcium (Ca)	48	0.005 mg/L
EPA 218.1	Chromium (Cr)	D	0.005 mg/L
EPA 220.1	Copper (Cu)	D	0.005 mg/L

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Water Depth: 21.4' Field pH: 7.35
Field Temp: 25 Field Cond: 240 umhos/cm

Date Received: April 10 1990

Laboratory Number: 743638

CERTIFICATE OF ANALYSIS

Method	Parameter	Result*	Standard Detection Limit-Units
EPA 236.1	Iron (Fe)	0.045	0.005 mg/L
EPA 239.1	Lead (Pb)	D	0.01 mg/L
EPA 242.1	Magnesium (Mg)	0.74	0.005 mg/L
EPA 243.1	Manganese (Mn)	D	0.005 mg/L
EPA 245.1	Mercury (Hg)	D	.0002 mg/L
EPA 270.3	Selenium (Se)	D	0.01 mg/L
EPA 272.1	Silver (Ag)	D	0.005 mg/L
EPA 273.1	Sodium (Na)	3.2	0.005 mg/L

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Field Temp: 25 Field Cond: 240 umhos/cm

Date Received: April 10 1990

Laboratory Number: 743638

CERTIFICATE OF ANALYSIS

Method	Parameter	Result*	Standard Detection Limit-Units
EPA 289.1			
	Zinc (Zn)	D	0.005 mg/L
EPA 353.2			
	Nitrate Nitrogen, (N)	D	0.02 mg/L
APHA 509A			
	Endrin	D	.0001 mg/L
	Lindane	D	.0002 mg/L
	Methoxychlor	D	.005 mg/L
	Toxaphene	D	.001 mg/L
EPA 608 Organochlorine Pesticides, PCBs			
	Aldrin	D	1 ug/L
	alpha-BHC	D	1 ug/L
	beta-BHC	D	1 ug/L
	delta-BHC	D	1 ug/L
	gamma-BHC	D	1 ug/L
	Chlordane	D	1 ug/L

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Sampled by: AC, 4-5-90 @1310
Water Depth: 21.4' Field pH: 7.35
Field Temp: 25 Field Cond: 240 umhos/cm

Date Received: April 10 1990

Laboratory Number: 743638

CERTIFICATE OF ANALYSIS

Method	Parameter	Result*	Standard Detection Limit-Units
	4,4'-DDD	D	1 ug/L
	4,4'-DDE	D	1 ug/L
	4,4'-DDT	D	1 ug/L
	Dieldrin	D	1 ug/L
	Endosulfan I	D	1 ug/L
	Endosulfan II	D	1 ug/L
	Endosulfan Sulfate	D	1 ug/L
	Endrin	D	1 ug/L
	Endrin Aldehyde	D	1 ug/L
	Heptachlor	D	1 ug/L
	Heptachlor Epoxide	D	1 ug/L
	Methoxychlor	D	1 ug/L
	Toxaphene	D	1 ug/L
	PCB-1016	D	1 ug/L
	PCB-1221	D	1 ug/L
	PCB-1232	D	1 ug/L

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Water Depth: 21.4' Field pH: 7.35
Field Temp: 25 Field Cond: 240 umhos/cm

Date Received: April 10 1990

Laboratory Number: 743638

CERTIFICATE OF ANALYSIS

Method	Parameter	Result*	Standard Detection Limit-Units
	PCB-1242	D	1 ug/L
	PCB-1248	D	1 ug/L
	PCB-1254	D	1 ug/L
	PCB-1260	D	1 ug/L
APHA 509B			
	2,4-D	D	.02 mg/L
	2,4,5-TP	D	.002 mg/L
APHA 703			
	Gross Alpha	0.2	pCi/L
	95% Confidence Interval, +/-	0.6	
EPA 150.1			
	pH Value	7.5	
CALC			
	~~PHs Value~~	7.5	
	Stability Index 2pHs-pH	7.7	
	Saturation Index pH-pHs	-0.18	

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Field Temp: 25 Field Cond: 240 umhos/cm

Date Received: April 10 1990

Laboratory Number: 743638

CERTIFICATE OF ANALYSIS

Method	Parameter	Result*	Standard Detection Limit-Units
	Interpretation	STABLE	
EPA 110.2	Color	5	0 PCU
EPA 140.1	Odor	0	0 TU
EPA 160.1	Total Dissolved Solids	152	2 mg/L
EPA 180.1	Turbidity	0.55	0.01 NTU
EPA 215.2	Total Hardness as CaCO3	123	1 mg/L
EPA 310.1	Total Alkalinity as CaCO3	134	0.5 mg/L
	Carbonate as CaCO3	0	0.0 mg/L
	~~Hydroxide as CaCO3~~	0	0.0 mg/L

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Location: Hayes Rd Landfill Well: 4 MW 8
Sampled by: AC, 4-5-90 @1310
Water Depth: 21.4' Field pH: 7.35
Field Temp: 25 Field Cond: 340 umhos/cm

Date Received: April 10 1990

Laboratory Number: 743638

CERTIFICATE OF ANALYSIS

Method	Parameter	Result*	Standard Detection Limit-Units
EPA 310.1			
	Bicarbonate as CaCO3	134	0.0 mg/L
	Bicarbonate as HCO3	163	0.0 mg/L
	N.C.H. as CaCO3	0	mg/L
APHA 406			
	Carbon Dioxide (CO2)	12	0 mg/L
EPA 325.3			
	Chloride (Cl)	5.3	0.5 mg/L
EPA 340.2			
	Fluoride (F)	D	0.1 mg/L
EPA 375.2			
	Sulfate (SO4)	1.3	1 mg/L
EPA 425.1			
	Surfactants	D	0.02 mg/L

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THORNTON LABORATORIES, INC.
Debra Scott

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TAMPA, FLORIDA 33601 - 2880
MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES
HRS #84147 & HRS #E84100

FAX 813 223-9332
THORNT LAB TPA

TELEPHONE (813) 223-9702
P.O. BOX 2880

Report For: Pasco County Utilities
7536 State St.
New Port Richey Fl 33553

Sample Identification:

Water attn: Candia Mulhern
Location: Hayes Rd Landfill Well: 4 MW 8
Sampled by: AC, 4-5-90 @1310
Water Depth: 21.4' Field pH: 7.35
Field Temp: 25 Field Cond: 240 umhos/cm

Date Received: April 10 1990

Laboratory Number: 743638

CERTIFICATE OF ANALYSIS

Method	Parameter	Result*	Standard Detection Limit-Units
EPA 502.1			
	Total Trihalomethanes	D	0.001 mg/L
	Chloroform	D	0.001 mg/L
	Bromodichloromethane	D	0.001 mg/L
	Dibromochloromethane	D	0.001 mg/L
	Bromoform	D	0.001 mg/L
EPA 502.1,503.1			
	Trichloroethene	D	1 ug/L
	Tetrachloroethene	D	1 ug/L
	Carbon Tetrachloride	D	1 ug/L
	Vinyl Chloride	D	1 ug/L
	1,1,1-Trichloroethane	D	1 ug/L
	1,2-Dichloroethane	D	1 ug/L
	Benzene	D	1 ug/L
	p-Dichlorobenzene	D	1 ug/L
	1,1-Dichloroethene	D	1 ug/L

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HRS #84147 & HRS #E84100

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P.O. BOX 2880

4-May-1990

Report For: Pasco County Utilities
7536 State St.
New Port Richey Fl 33553

6234

Sample Identification:

Water attn: Candia Mulhern
Location: Hayes Road Landfill Well: ~~3 MW-7~~ 4 mw9
Sampled by: AC, 4-5-90 @1435
Water Depth: 23.5 Field pH: 8.26
Field Temp: 25.1 Field Cond: 235 umhos/cm

Date Received: April 10 1990

Laboratory Number: 743637

CERTIFICATE OF ANALYSIS

Method	Parameter	Result*	Standard Detection Limit-Units
EPA 504	Ethylene Dibromide (EDB)	D	0.02 ug/L
EPA 376.1	Hydrogen Sulfide (H2S)	D	0.04 mg/L
EPA 206.3	Arsenic (As)	D	0.005 mg/L
EPA 208.1	Barium (Ba)	D	0.03 mg/L
EPA 213.1	Cadmium (Cd)	D	0.002 mg/L
EPA 215.1	Calcium (Ca)	48	0.005 mg/L
EPA 218.1	Chromium (Cr)	D	0.005 mg/L
EPA 220.1	Copper (Cu)	D	0.005 mg/L

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HRS #84147 & HRS #E84100

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THORNT LAB TPA

TELEPHONE (813) 223-9702
P.O. BOX 2880

Report For: Pasco County Utilities
7536 State St.
New Port Richey Fl 33553

Sample Identification:

Water attn: Candia Mulhern
Location: Hayes Road Landfill Well: ~~3 MW 7~~ 4 mw 9
Sampled by: AC, 4-5-90 @1435
Water Depth: 23.5 Field pH: 8.26
Field Temp: 25.1 Field Cond: 235 umhos/cm

Date Received: April 10 1990

Laboratory Number: 743637

CERTIFICATE OF ANALYSIS

Method	Parameter	Result*	Standard Detection Limit-Units
EPA 236.1	Iron (Fe)	0.10	0.005 mg/L
EPA 239.1	Lead (Pb)	D	0.01 mg/L
EPA 242.1	Magnesium (Mg)	0.88	0.005 mg/L
EPA 243.1	Manganese (Mn)	D	0.005 mg/L
EPA 245.1	Mercury (Hg)	D	.0002 mg/L
EPA 270.3	Selenium (Se)	D	0.01 mg/L
EPA 272.1	Silver (Ag)	D	0.005 mg/L
EPA 273.1	Sodium (Na)	2.8	0.005 mg/L

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Report For: Pasco County Utilities
7536 State St.
New Port Richey Fl 33553

Sample Identification:

Water attn: Candia Mulhern
Location: Hayes Road Landfill Well: ~~3 MW 7~~ 4 mw 9
Sampled by: AC, 4-5-90 @1435
Water Depth: 23.5 Field pH: 8.26
Field Temp: 25.1 Field Cond: 235 umhos/cm

Date Received: April 10 1990

Laboratory Number: 743637

CERTIFICATE OF ANALYSIS

Method	Parameter	Result*	Standard Detection Limit-Units
EPA 289.1			
	Zinc (Zn)	0.007	0.005 mg/L
EPA 353.2			
	Nitrate Nitrogen, (N)	0.06	0.02 mg/L
APHA 509A			
	Endrin	D	.0001 mg/L
	Lindane	D	.0002 mg/L
	Methoxychlor	D	.005 mg/L
	Toxaphene	D	.001 mg/L
EPA 608 Organochlorine Pesticides, PCBs			
	Aldrin	D	1 ug/L
	alpha-BHC	D	1 ug/L
	beta-BHC	D	1 ug/L
	delta-BHC	D	1 ug/L
	gamma-BHC	D	1 ug/L
	Chlordane	D	1 ug/L

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Report For: Pasco County Utilities
7536 State St.
New Port Richey Fl 33553

Sample Identification:

Water attn: Candia Mulhern
Location: Hayes Road Landfill Well: ~~3 MW 7~~ 4 mw 9
Sampled by: AC, 4-5-90 @1435
Water Depth: 23.5 Field pH: 8.26
Field Temp: 25.1 Field Cond: 235 umhos/cm

Date Received: April 10 1990

Laboratory Number: 743637

CERTIFICATE OF ANALYSIS

Method	Parameter	Result*	Standard Detection Limit-Units
	4,4'-DDD	D	1 ug/L
	4,4'-DDE	D	1 ug/L
	4,4'-DDT	D	1 ug/L
	Dieldrin	D	1 ug/L
	Endosulfan I	D	1 ug/L
	Endosulfan II	D	1 ug/L
	Endosulfan Sulfate	D	1 ug/L
	Endrin	D	1 ug/L
	Endrin Aldehyde	D	1 ug/L
	Heptachlor	D	1 ug/L
	Heptachlor Epoxide	D	1 ug/L
	Methoxychlor	D	1 ug/L
	Toxaphene	D	1 ug/L
	PCB-1016	D	1 ug/L
	PCB-1221	D	1 ug/L
	PCB-1232	D	1 ug/L

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Report For: Pasco County Utilities
7536 State St.
New Port Richey Fl 33553

Sample Identification:

Water attn: Candia Mulhern
Location: Hayes Road Landfill Well: ~~3 MW 7~~ 4 mw 9
Sampled by: AC, 4-5-90 @1435
Water Depth: 23.5 Field pH: 8.26
Field Temp: 25.1 Field Cond: 235 umhos/cm

Date Received: April 10 1990

Laboratory Number: 743637

CERTIFICATE OF ANALYSIS

Method	Parameter	Result*	Standard Detection Limit-Units
	PCB-1242	D	1 ug/L
	PCB-1248	D	1 ug/L
	PCB-1254	D	1 ug/L
	PCB-1260	D	1 ug/L
APHA 509B			
	2,4-D	D	.02 mg/L
	2,4,5-TP	D	.002 mg/L
APHA 703			
	Gross Alpha	0.3	pCi/L
	95% Confidence Interval, +/-	0.4	
EPA 150.1			
	pH Value	8.2	
CALC			
	~~PHs Value~~	7.5	
	Stability Index 2pHs-pH	6.8	
	Saturation Index pH-pHs	0.71	

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HRS #84147 & HRS #E84100

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P.O. BOX 2880

Report For: Pasco County Utilities
7536 State St.
New Port Richey Fl 33553

RECEIVED
MAY 15 1990
WASTE MANAGEMENT

Sample Identification:

Water attn: Candia Mulhern
Location: Hayes Road Landfill Well: ~~3 MW 7~~ 4 MW 9
Sampled by: AC, 4-5-90 @1435
Water Depth: 23.5 Field pH: 8.26
Field Temp: 25.1 Field Cond: 235 umhos/cm

Date Received: April 10 1990

Laboratory Number: 743637

CERTIFICATE OF ANALYSIS

Method	Parameter	Result*	Standard Detection Limit Units
	Interpretation	SCALE FORMING	
EPA 110.2	Color	10	0 PCU
EPA 140.1	Odor	0	0 TU
EPA 160.1	Total Dissolved Solids	178	2 mg/L
EPA 180.1	Turbidity	1.3	0.01 NTU
EPA 215.2	Total Hardness as CaCO3	124	1 mg/L
EPA 310.1	Total Alkalinity as CaCO3	131	0.5 mg/L
	Carbonate as CaCO3	0	0.0 mg/L
	~~Hydroxide as CaCO3~~	0	0.0 mg/L

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Report For: Pasco County Utilities
7536 State St.
New Port Richey Fl 33553

Sample Identification:

Water attn: Candia Mulhern
Location: Hayes Road Landfill Well: ~~3 MW 7~~ 4 MW 9
Sampled by: AC, 4-5-90 @1435
Water Depth: 23.5 Field pH: 8.26
Field Temp: 25.1 Field Cond: 235 umhos/cm

Date Received: April 10 1990

Laboratory Number: 743637

CERTIFICATE OF ANALYSIS

Method	Parameter	Result*	Standard Detection Limit-Units
EPA 310.1			
	Bicarbonate as CaCO3	131	0.0 mg/L
	Bicarbonate as HCO3	160	0.0 mg/L
	N.C.H. as CaCO3	0	mg/L
APHA 406			
	Carbon Dioxide (CO2)	1.4	0 mg/L
EPA 325.3			
	Chloride (Cl)	6.3	0.5 mg/L
EPA 340.2			
	Fluoride (F)	0.11	0.1 mg/L
EPA 375.2			
	Sulfate (SO4)	D	1 mg/L
EPA 425.1			
	Surfactants	0.02	0.02 mg/L

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HRS #84147 & HRS #E84100

FAX 813 223-9332
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P.O. BOX 2880

Report For: Pasco County Utilities
7536 State St.
New Port Richey Fl 33553

Sample Identification:

Water attn: Candia Mulhern
Location: Hayes Road Landfill Well: ~~3 MW 7~~ 4 mw 9
Sampled by: AC, 4-5-90 @1435
Water Depth: 23.5 Field pH: 8.26
Field Temp: 25.1 Field Cond: 235 umhos/cm

Date Received: April 10 1990

Laboratory Number: 743637

CERTIFICATE OF ANALYSIS

Method	Parameter	Result*	Standard Detection Limit-Units
EPA 502.1			
	Total Trihalomethanes	D	0.001 mg/L
	Chloroform	D	0.001 mg/L
	Bromodichloromethane	D	0.001 mg/L
	Dibromochloromethane	D	0.001 mg/L
	Bromoform	D	0.001 mg/L
EPA 502.1,503.1			
	Trichloroethene	D	1 ug/L
	Tetrachloroethene	D	1 ug/L
	Carbon Tetrachloride	D	1 ug/L
	Vinyl Chloride	D	1 ug/L
	1,1,1-Trichloroethane	D	1 ug/L
	1,2-Dichloroethane	D	1 ug/L
	Benzene	D	1 ug/L
	p-Dichlorobenzene	D	1 ug/L
	1,1-Dichloroethene	D	1 ug/L

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THORNTON LABORATORIES, INC.

Debra Scott

PASCO COUNTY
W. Pasco Class III LF

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Sample Date 10-17-91

Monitoring Well # 6322

Well Type: [X] Background
[ ] Site Boundar
[ ] Intermediate
[ ] Compliance

Well Name 4 MW 3

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) yes

Ground Water Elevation (above MSL) _____

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservative Added
000620	Nitrate	Well Wiz. Ded.Mon. System	EPA 353.2	<0.02	mg/L	Unfiltered	H_2SO_4/
000929	Sodium		EPA 273.1	3.88	mg/L	"	HNO_3/4
082079	Turbidity		SM 214A	0.59	NTU	"	4°C
000940	Chloride		SM 407A	7.3	mg/L	"	4°C
070300	TDS		SM 209B	220	mg/L	"	4°C
000400	pH		EPA 150.1	7.61	Std.units	"	Field
001045	Iron		EPA 236.1	0.23	mg/L	"	HNO_3/4
000945	Sulfate		EPA 375.4	<1	mg/L	"	4°C
000010	Temp.		SM 212	23.6°	°C	"	Field
000680	TOC		EPA 415.1	4.83	mg/L	"	H_2SO_4/
000095	Spec. Conduc.		SM 205	250	mmhos/cm	"	Field
~~000410~~	Bicarbonate		SM 403	138	mg/L	"	4°C
~~072020~~	Water Level 72002			18.25	Feet	"	Field

*Well development is the process of pumping the well prior to sampling in order to obt representative ground water sample.

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Sample Date 10-18-91

Monitoring Well # 6232

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

Well Name 4 MW 7

Classification of Groundwater Floridian

Well Developed* Prior to Sample Collection (Yes/No) Yes

Ground Water Elevation (above MSL) 33.53

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
000620	Nitrate	WELL WIZARD DED. MON. SYSTEM	EPA 353.2	0.119	mg/L	Unfiltered	H_2SO_4/4°
000929	Sodium		EPA 273.1	3.72	mg/L	"	HNO_3/4°C
082079	Turbidity		SM 214A	3.19	NTU	"	4°C
000940	Chloride		SM 407A	3.7	mg/L	"	4°C
070300	TDS		SM 209B	156	mg/L	"	4°C
000400	pH		EPA 150.1	7.80	Std.units	"	Field
001045	Iron		EPA 236.1	0.14	mg/L	"	HNO_3/4°C
000945	Sulfate		EPA 375.4	<1	mg/L	"	4°C
000010	Temp.		SM 212	25.5°	°C	"	Field
000680	TOC		EPA 415.1	3.03	mg/L	"	H_2SO_4/4°
000095	Spec.Conduc.		SM 205	220	μ mhos/cm	"	Field
000410	Bicarbonate		SM 403	116	mg/L	"	4°C
072020	Water Level			33.53	Feet	"	Field

*Well development is the process of pumping the well prior to sampling in order to obta representative ground water sample.

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Monitoring Well # 6233

Well Name 4 MW 8

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) YES

Sample Date 10-18-91

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

Ground Water Elevation (above MSL) 35.45

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservative Added
000620	Nitrate	Well Wiz	EPA 353.2	0.075	mg/L	Unfiltered	H_2SO_4/4
000929	Sodium	Ded. Mon System	EPA 273.1	3.59	mg/L	"	HNO_3/4
082079	Turbidity		SM 214A	0.32	NTU	"	4°C
000940	Chloride		SM 407A	5.2	mg/L	"	4°C
070300	TDS		SM 209B	179	mg/L	"	4°C
000400	pH		EPA 150.1	7.73	Std.units	"	Field
001045	Iron		EPA 236.1	0.06	mg/L	"	HNO_3/4
000945	Sulfate		EPA 375.4	<1	mg/L	"	4°C
000010	Temp.		SM 212	24°	°C	"	Field
000680	TOC		EPA 415.1	3.12	mg/L	"	H_2SO_4/4
000095	Spec. Conduc.		SM 205	240	mhos/cm	"	Field
000410	Bicarbonate		SM 403	135	mg/L	"	4°C
072020	Water Level			35.45	Feet	"	Field

*Well development is the process of pumping the well prior to sampling in order to obta representative ground water sample.

DER Form 17-1.216(2)
Effective January 1, 1983

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Monitoring Well # 623 f

Well Name 4 MW 9

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) Yes

Sample Date 10-18-91

Well Type: [ ] Background
[ ] Site Boundar
[ ] Intermediate
[X] Compliance

Ground Water Elevation (above MSL) 33.

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservative Added
000620	Nitrate	Well Wiz Ded.Mon. System	EPA 353.2	0.061	mg/L	Unfiltered	H_2SO_4
000929	Sodium		EPA 273.1	3.62	mg/L	"	HNO_3/
082079	Turbidity		SM 214A	0.56	NTU	"	4°C
000940	Chloride		SM 407A	5.4	mg/L	"	4°C
070300	TDS		SM 209B	222	mg/L	"	4°C
000400	pH		EPA 150.1	7.66	Std.units	"	Field
001045	Iron		EPA 236.1	0.10	mg/L	"	HNO_3/
000945	Sulfate		EPA 375.4	<1	mg/L	"	4°C
000010	Temp.		SM 212	23.6°	°C	"	Field
000680	TOC		EPA 415.1	4.72	mg/L	"	H_2SO_4
000095	Spec.Conduc		SM 205	275	µmhos/cm	"	Field
000410	Bicarbonate		SM 403	168	mg/L	"	4°C
072020	Water Level			33.98	Feet	"	Field

*Well development is the process of pumping the well prior to sampling in order to obt representative ground water sample.

W. Pasco Class III Lf

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Monitoring Well # 4051A16322

Well Name 4 MW 3A

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) yes

Sample Date 01-07-94

Well Type: [X] Background
[ ] Site Boundary
[ ] Intermediate
[ ] Compliance

7002

Ground Water Elevation (above MSL) 27.15

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
000620	Nitrate	Well Wiz. Ded.Mon. System	EPA 353.2	<0.10	mg/L	Unfiltered	H_2SO_4/4
000929	Sodium		EPA 273.1	4.69	mg/L	"	HNO_3/4°C
082079	Turbidity		SM 214A	0.53	NTU	"	4°C
000940	Chloride		SM 407A	10.8	mg/L	"	4°C
070300	TDS		SM 209B	203	mg/L	"	4°C
000400	pH		EPA 150.1	7.54	Std.units	"	Field
001045	Iron		EPA 236.1	0.38	mg/L	"	HNO_3/4°C
000945	Sulfate		EPA 375.4	<1	mg/L	"	4°C
000010	Temp.		SM 212	23.27	°C	"	Field
000680	TOC		EPA 415.1	4.13	mg/L	"	H_2SO_4/4
000095	Spec. Conduc.		SM 205	332	umhos/cm	"	Field
000410	Bicarbonate		SM 403	127	mg/L	"	4°C
072020	Water Level			27.15	Feet	"	Field

*Well development is the process of pumping the well prior to sampling in order to obtai representative ground water sample.

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Monitoring Well # 4051A16233

Well Name 4 MW-8

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) YES

Sample Date 01-10-94

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

*Ground Water Elevation (above MSL) 24.3

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservative Added
000620	Nitrate	Well Wiz	EPA 353.2	<0.10	mg/L	Unfiltered	H_2SO_4/4
000929	Sodium	Ded. Mon System	EPA 273.1	3.69	mg/L	"	HNO_3/4°
082079	Turbidity		SM 214A	1.02	NTU	"	4°C
000940	Chloride		SM 407A	3.9	mg/L	"	4°C
070300	TDS		SM 209B	208	mg/L	"	4°C
000400	pH		EPA 150.1	7.12	Std.units	"	Field
001045	Iron		EPA 236.1	0.07	mg/L	"	HNO_3/4°
000945	Sulfate		EPA 375.4	1.5	mg/L	"	4°C
000010	Temp.		SM 212	22.41	°C	"	Field
000680	TOC		EPA 415.1	11.77	mg/L	"	H_2SO_4/4
000095	Spec. Conduc.		SM 205	284	mhos/cm	"	Field
000410	Bicarbonate		SM 403	132	mg/L	"	4°C
072020	Water Level			24.3	Feet	"	Field

*Well development is the process of pumping the well prior to sampling in order to obta representative ground water sample.

DER Form 17-1.216(2)
Effective January 1, 1983

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Monitoring Well # 4051A16234

Well Name 4 MW 9

Sample Date 01-07-94

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) Yes

Ground Water Elevation (above MSL) 26.6

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
000620	Nitrate	Well Wiz Ded.Mon. System	EPA 353.2	<0.10	mg/L	Unfiltered	H_2SO_4/4
000929	Sodium		EPA 273.1	3.82	mg/L	"	HNO_3/4°C
082079	Turbidity		SM 214A	3.5	NTU	"	4°C
000940	Chloride		SM 407A	6.7	mg/L	"	4°C
070300	TDS		SM 209B	208	mg/L	"	4°C
000400	pH		EPA 150.1	7.25	Std.units	"	Field
001045	Iron		EPA 236.1	0.11	mg/L	"	HNO_3/4°C
000945	Sulfate		EPA 375.4	<1	mg/L	"	4°C
000010	Temp.		SM 212	~~7.25~~	°C	"	Field
000680	TOC		EPA 415.1	3.98	mg/L	"	H_2SO_4/4
000095	Spec.Conduc		SM 205	299	µmhos/cm	"	Field
000410	Bicarbonate		SM 403	153	mg/L	"	4°C
072020	Water Level			26.6	Feet	"	Field

*Well development is the process of pumping the well prior to sampling in order to obt representative ground water sample.

W. Pasco Class III LF (Hays Rd LF)

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

6322

Monitoring Well # _____

Well Name 4 MW 3A

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) yes

Sample Date 10-12-93

Well Type: [X] Background
[ ] Site Boundary
[ ] Intermediate
[ ] Compliance

Ground Water Elevation (above MSL) 72002 28.70

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
000620	Nitrate	Well Wiz. Ded.Mon. System	EPA 353.2	20.10	mg/L	Unfiltered	H_2SO_4/4
000929	Sodium		EPA 273.1	5.15	mg/L	"	HNO_3/4°
082079	Turbidity		SM 214A	0.95	NTU	"	4°C
000940	Chloride		SM 407A	13.8	mg/L	"	4°C
070300	TDS		SM 209B	181	mg/L	"	4°C
000400	pH		EPA 150.1	7.28	Std.units	"	Field
001045	Iron		EPA 236.1	0.24	mg/L	"	HNO_3/4°
000945	Sulfate		EPA 375.4	1.2	mg/L	"	4°C
000010	Temp.		SM 212	25.02°	°C	"	Field
000680	TOC		EPA 415.1	4.73	mg/L	"	H_2SO_4/4
000095	Spec. Conduc.		SM 205	310	mmhos/cm	"	Field
000410	Bicarbonate		SM 403	152	mg/L	"	4°C
072020	Water Level			28.70	Feet	"	Field

*Well development is the process of pumping the well prior to sampling in order to obtai representative ground water sample.

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Sample Date 10-12-93

Monitoring Well # _____

Well Name 4 MW 8

6233

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) YES

Ground Water Elevation (above MSL) 29.10

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
000620	Nitrate	Well Wiz	EPA 353.2	<0.10	mg/L	Unfiltered	H_2SO_4/4
000929	Sodium	Ded. Mon System	EPA 273.1	3.59	mg/L	"	HNO_3/4°
082079	Turbidity		SM 214A	0.64	NTU	"	4°C
000940	Chloride		SM 407A	4.4	mg/L	"	4°C
070300	TDS		SM 209B	155	mg/L	"	4°C
000400	pH		EPA 150.1	7.29	std.units	"	Field
001045	Iron		EPA 236.1	0.05	mg/L	"	HNO_3/4°
000945	Sulfate		EPA 375.4	1.0	mg/L	"	4°C
000010	Temp.		SM 212	23.52°	°C	"	Field
000680	TOC		EPA 415.1	3.67	mg/L	"	H_2SO_4/4°
000095	Spec. Conduc.		SM 205	267	mhos/cm	"	Field
000410	Bicarbonate		SM 403	140	mg/L	"	4°C
072020	Water Level			29.10	Feet	"	Field

*Well development is the process of pumping the well prior to sampling in order to obtain representative ground water sample.

DER Form 17-1.216(2)
Effective January 1, 1983

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Sample Date 10-12-93

Monitoring Well # 4 MW 9

Well Name

6234

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) Yes

Ground Water Elevation (above MSL) 27.13

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
000620	Nitrate	Well Wiz Ded. Mon. System	EPA 353.2	<0.10	mg/L	Unfiltered	H_2SO_4/4
000929	Sodium		EPA 273.1	3.76	mg/L	"	HNO_3/4°C
082079	Turbidity		SM 214A	0.15	NTU	"	4°C
000940	Chloride		SM 407A	7.4	mg/L	"	4°C
070300	TDS		SM 209B	179	mg/L	"	4°C
000400	pH		EPA 150.1	7.17	Std.units	"	Field
001045	Iron		EPA 236.1	0.05	mg/L	"	HNO_3/4°
000945	Sulfate		EPA 375.4	1.1	mg/L	"	4°C
000010	Temp.		SM 212	24.83	°C	"	Field
000680	TOC		EPA 415.1	308	mg/L	"	H_2SO_4/4
000095	Spec. Conduc		SM 205	163	mmhos/cm	"	Field
000410	Bicarbonate		SM 403		mg/L	"	4°C
072020	Water Level			27.13	Feet	"	Field

*Well development is the process of pumping the well prior to sampling in order to obt representative ground water sample.

N. Parco Class III LF
(Hayes Rd LF)

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Sample Date 07/16/93

Monitoring Well # 6322

Well Name 4 MW 3A

Well Type: [X] Background
[ ] Site Boundar
[ ] Intermediate
[ ] Compliance

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) yes

Ground Water Elevation (above MSL) 72002 26.2 ft

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservative Added
000620	Nitrate	Well Wiz. Ded.Mon. System	EPA 353.2	< 0.02	mg/L	Unfiltered	H_2SO_4/
000929	Sodium		EPA 273.1	4.41	mg/L	"	HNO_3/4
082079	Turbidity		SM 214A	2.38	NTU	"	4°C
000940	Chloride		SM 407A	9.7	mg/L	"	4°C
070300	TDS		SM 209B	195	mg/L	"	4°C
000400	pH		EPA 150.1	7.30	Std.units	"	Field
001045	Iron		EPA 236.1	0.28	mg/L	"	HNO_3/4
000945	Sulfate		EPA 375.4	1.2	mg/L	"	4°C
000010	Temp.		SM 212	25.91°	°C	"	Field
000680	TOC		EPA 415.1	3.76	mg/L	"	H_2SO_4/
000095	Spec. Conduc.		SM 205	294	mmhos/cm	"	Field
000410	Bicarbonate		SM 403	148	mg/L	"	4°C
072020	Water Level			26.2 ft	Feet	"	Field

*Well development is the process of pumping the well prior to sampling in order to obta representative ground water sample.

DER Form 17-1.216(2)
Effective January 1, 1983

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Sample Date 07/16/93

Monitoring Well # _____

Well Name 4 MW 8

6233

Well Type: [ ] Background
[ ] Site Boundar
[ ] Intermediate
[X] Compliance

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) YES

Ground Water Elevation (above MSL) 28.05

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservative Added
000620	Nitrate	Well Wiz	EPA 353.2	0.060	mg/L	Unfiltered	H_2SO_4/
000929	Sodium	Ded. Mon System	EPA 273.1	3.47	mg/L	"	HNO_3/4
082079	Turbidity		SM 214A	0.899	NTU	"	4°C
000940	Chloride		SM 407A	5.4	mg/L	"	4°C
070300	TDS		SM 209B	167	mg/L	"	4°C
000400	pH		EPA 150.1	7.04	Std.units	"	Field
001045	Iron		EPA 236.1	0.05	mg/L	"	HNO_3/4
000945	Sulfate		EPA 375.4	1.1	mg/L	"	4°C
000010	Temp.		SM 212	24.24°	°C	"	Field
000680	TOC		EPA 415.1	< 0.50	mg/L	"	H_2SO_4/
000095	Spec. Conduc.		SM 205	262	mhos/cm	"	Field
000410	Bicarbonate		SM 403	139	mg/L	"	4°C
072020	Water Level			28.05 (NGVD)	Feet	"	Field

*Well development is the process of pumping the well prior to sampling in order to obta representative ground water sample.

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

6234

Sample Date 07/16/93

Monitoring Well # 4 MW 9

Well Name

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) Yes

Ground Water Elevation (above MSL) 26.23

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservative Added
000620	Nitrate	Well Wiz Ded.Mon. System	EPA 353.2	0.07	mg/L	Unfiltered	H_2SO_4/
000929	Sodium		EPA 273.1	3.47	mg/L	"	HNO_3/4
082079	Turbidity		SM 214A	0.205	NTU	"	4°C
000940	Chloride		SM 407A	6.0	mg/L	"	4°C
070300	TDS		SM 209B	182	mg/L	"	4°C
000400	pH		EPA 150.1	7.19	Std.units	"	Field
001045	Iron		EPA 236.1	0.02	mg/L	"	HNO_3/4
000945	Sulfate		EPA 375.4	< 1	mg/L	"	4°C
000010	Temp.		SM 212	26.34°	°C	"	Field
000680	TOC		EPA 415.1	< 0.50	mg/L	"	H_2SO_4/
000095	Spec.Conduc		SM 205	293	mmhos/cm	"	Field
000410	Bicarbonate		SM 403	153	mg/L	"	4°C
072020	Water Level			26.23 (NGVD)	Feet	"	Field

*Well development is the process of pumping the well prior to sampling in order to obt representative ground water sample.

W. Pasco Class III LF

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Monitoring Well # 6322

Well Name 4 MW 3A

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) yes

Sample Date 04/06/93

Well Type: [X] Background
[ ] Site Boundar
[ ] Intermediate
[ ] Compliance

Ground Water Elevation (above MSL) 72002 24.45

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservative Added
000620	Nitrate	Well Wiz. Ded.Mon. System	EPA 353.2	<0.10	mg/L	Unfiltered	H_2SO_4
000929	Sodium		EPA 273.1	4.47	mg/L	"	HNO_3/
082079	Turbidity		SM 214A	1.142	NTU	"	4°C
000940	Chloride		SM 407A	9.3	mg/L	"	4°C
070300	TDS		SM 209B	186	mg/L	"	4°C
000400	pH		EPA 150.1	7.04	Std.units	"	Field
001045	Iron		EPA 236.1	0.20	mg/L	"	HNO_3/
000945	Sulfate		EPA 375.4	<1	mg/L	"	4°C
000010	Temp.		SM 212	23.0°	°C	"	Field
000680	TOC		EPA 415.1	2.47	mg/L	"	H_2SO_4/
000095	Spec. Conduc.		SM 205	292	mhos/cm	"	Field
000410	Bicarbonate		SM 403	142	mg/L	"	4°C
~~072020~~	~~Water Level~~			~~24.45 ft~~	~~Feet~~	"	Field

*Well development is the process of pumping the well prior to sampling in order to obt representative ground water sample.

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Sample Date 04/05/93

Monitoring Well # 6232

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

Well Name 4 MW 7

Classification of Groundwater Floridian

Well Developed* Prior to Sample Collection (Yes/No) Yes

Ground Water Elevation (above MSL) 28.38

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservative Added
000620	Nitrate	WELL WIZARD DED. MON. SYSTEM	EPA 353.2	0.26	mg/L	Unfiltered	H_2SO_4/4
000929	Sodium		EPA 273.1	3.79	mg/L	"	HNO_3/4°
082079	Turbidity		SM 214A	0.762	NTU	"	4°C
000940	Chloride		SM 407A	3.9	mg/L	"	4°C
070300	TDS		SM 209B	138	mg/L	"	4°C
000400	pH		EPA 150.1	7.07	Std.units	"	Field
001045	Iron		EPA 236.1	0.05	mg/L	"	HNO_3/4°
000945	Sulfate		EPA 375.4	<1	mg/L	"	4°C
000010	Temp.		SM 212	25.20°	°C	"	Field
000680	TOC		EPA 415.1	1.50	mg/L	"	H_2SO_4/4
000095	Spec.Conduc.		SM 205	258	μ mhos/cm	"	Field
000410	Bicarbonate		SM 403	130	mg/L	"	4°C
072020	Water Level			28.38 (NGVD)	Feet	"	Field

*Well development is the process of pumping the well prior to sampling in order to obta representative ground water sample.

DER Form 17-1.216(2)
Effective January 1, 1983

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035 Sample Date 04/05/93

Monitoring Well # 6233

Well Name 4 MW 8

Well Type: [ ] Background
[ ] Site Boundar
[ ] Intermediate
[X] Compliance

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) YES

Ground Water Elevation (above MSL) 30.15

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservative Added
000620	Nitrate	Well Wiz	EPA 353.2	< 0.10	mg/L	Unfiltered	H_2SO_4/
000929	Sodium	Ded. Mon System	EPA 273.1	3.58	mg/L	"	HNO_3/4
082079	Turbidity		SM 214A	1.596	NTU	"	4°C
000940	Chloride		SM 407A	4.7	mg/L	"	4°C
070300	TDS		SM 209B	160	mg/L	"	4°C
000400	pH		EPA 150.1	6.89	Std.units	"	Field
001045	Iron		EPA 236.1	0.08	mg/L	"	HNO_3/4
000945	Sulfate		EPA 375.4	< 1	mg/L	"	4°C
000010	Temp.		SM 212	23.64°	°C	"	Field
000680	TOC		EPA 415.1	< 0.80	mg/L	"	H_2SO_4/
000095	Spec. Conduc.		SM 205	261	mhos/cm	"	Field
000410	Bicarbonate		SM 403	137	mg/L	"	4°C
072020	Water Level			30.15 (NGVD)	Feet	"	Field

*Well development is the process of pumping the well prior to sampling in order to obtain representative ground water sample.

DER Form 17-1.216(2)
Effective January 1, 1983

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Sample Date 04/05/93

Monitoring Well # 6234

Well Name 4 MW 9

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) Yes

Ground Water Elevation (above MSL) 27.98

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservative Added
000620	Nitrate	Well Wiz Ded.Mon. System	EPA 353.2	< 0.10	mg/L	Unfiltered	H_2SO_4/
000929	Sodium		EPA 273.1	3.55	mg/L	"	HNO_3/4°
082079	Turbidity		SM 214A	1.261	NTU	"	4°C
000940	Chloride		SM 407A	4.4	mg/L	"	4°C
070300	TDS		SM 209B	143	mg/L	"	4°C
000400	pH		EPA 150.1	6.97	Std.units	"	Field
001045	Iron		EPA 236.1	0.33	mg/L	"	HNO_3/4°
000945	Sulfate		EPA 375.4	< 1	mg/L	"	4°C
000010	Temp.		SM 212	24.79°	°C	"	Field
000680	TOC		EPA 415.1	< 0.80	mg/L	"	H_2SO_4/
000095	Spec.Conduc		SM 205	295	mmhos/cm	"	Field
000410	Bicarbonate		SM 403	157	mg/L	"	4°C
072020	Water Level			27.98 (NGVD)	Feet	"	Field

*Well development is the process of pumping the well prior to sampling in order to obt representative ground water sample.

W. Pasco Class III LF

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Monitoring Well # 6322

Well Name 4 MW 3A

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) yes

Sample Date 01/13/93

Well Type: [X] Background
[ ] Site Boundary
[ ] Intermediate
[ ] Compliance

Ground Water Elevation (above MSL) 72002 24.35

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample filtered/Unfiltered	Preservatives Added
000620	Nitrate	Well Wiz. Ded.Mon. System	EPA 353.2	<0.10	mg/L	Unfiltered	H_2SO_4/4
000929	Sodium		EPA 273.1	5.02	mg/L	"	HNO_3/4°C
082079	Turbidity		SM 214A	4.45	NTU	"	4°C
000940	Chloride		SM 407A	13.9	mg/L	"	4°C
070300	TDS		SM 209B	201	mg/L	"	4°C
000400	pH		EPA 150.1	7.41	Std.units	"	Field
001045	Iron		EPA 236.1	0.35	mg/L	"	HNO_3/4°
000945	Sulfate		EPA 375.4	1.2	mg/L	"	4°C
000010	Temp.		SM 212	23.66°	°C	"	Field
000680	TOC		EPA 415.1	1.80	mg/L	"	H_2SO_4/4
000095	Spec. Conduc.		SM 205	302	mmhos/cm	"	Field
000410	Bicarbonate		SM 403	146	mg/L	"	4°C
072020	Water Level 72002			24.35	Feet	"	Field

*Well development is the process of pumping the well prior to sampling in order to obtai representative ground water sample.

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Sample Date 01/12/93

Monitoring Well # 6232

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

Well Name 4 MW 7

Classification of Groundwater Floridian

Well Developed* Prior to Sample Collection (Yes/No) Yes

Ground Water Elevation (above MSL) 28.08

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
000620	Nitrate	WELL WIZARD DED. MON. SYSTEM	EPA 353.2	< 0.10	mg/L	Unfiltered	H_2SO_4/4°C
000929	Sodium		EPA 273.1	3.54	mg/L	"	HNO_3/4°C
082079	Turbidity		SM 214A	0.81	NTU	"	4°C
000940	Chloride		SM 407A	3.9	mg/L	"	4°C
070300	TDS		SM 209B	138	mg/L	"	4°C
000400	pH		EPA 150.1	7.48	Std.units	"	Field
001045	Iron		EPA 236.1	0.04	mg/L	"	HNO_3/4°C
000945	Sulfate		EPA 375.4	< 1	mg/L	"	4°C
000010	Temp.		SM 212	26.16°	°C	"	Field
000680	TOC		EPA 415.1	< 0.80	mg/L	"	H_2SO_4/4°C
000095	Spec.Conduc.		SM 205	230	μ mhos/cm	"	Field
000410	Bicarbonate		SM 403	119	mg/L	"	4°C
072020	Water Level			28.08	Feet (NGVD)	"	Field

*Well development is the process of pumping the well prior to sampling in order to obtain representative ground water sample.

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Monitoring Well # 6233

Well Name 4 MW 8

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) YES

Sample Date 01/13/93

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

Ground Water Elevation (above MSL) 29.90

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservative Added
000620	Nitrate	Well Wiz Ded. Mon System	EPA 353.2	<0.10	mg/L	Unfiltered	H_2SO_4/4
000929	Sodium		EPA 273.1	3.50	mg/L	"	HNO_3/4°
082079	Turbidity		SM 214A	1.92	NTU	"	4°C
000940	Chloride		SM 407A	5.3	mg/L	"	4°C
070300	TDS		SM 209B	177	mg/L	"	4°C
000400	pH		EPA 150.1	7.32	Std.units	"	Field
001045	Iron		EPA 236.1	0.10	mg/L	"	HNO_3/4°
000945	Sulfate		EPA 375.4	1.4	mg/L	"	4°C
000010	Temp.		SM 212	23.77°	°C	"	Field
000680	TOC		EPA 415.1	2.20	mg/L	"	H_2SO_4/4°
000095	Spec. Conduc.		SM 205	261	mhos/cm	"	Field
000410	Bicarbonate		SM 403	141	mg/L	"	4°C
072020	Water Level			29.90	Feet (NGVD)	"	Field

*Well development is the process of pumping the well prior to sampling in order to obtai representative ground water sample.

DER Form 17-1.216(2)
Effective January 1, 1983

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Sample Date 01/13/93

Monitoring Well # 6234

Well Name 4 MW 9

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) Yes

Ground Water Elevation (above MSL) 28.13

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
000620	Nitrate	Well Wiz Ded. Mon. System	EPA 353.2	<0.10	mg/L	Unfiltered	H_2SO_4/4
000929	Sodium		EPA 273.1	3.41	mg/L	"	HNO_3/4°C
082079	Turbidity		SM 214A	1.82	NTU	"	4°C
000940	Chloride		SM 407A	4.7	mg/L	"	4°C
070300	TDS		SM 209B	189	mg/L	"	4°C
000400	pH		EPA 150.1	7.29	Std.units	"	Field
001045	Iron		EPA 236.1	0.19	mg/L	"	HNO_3/4°C
000945	Sulfate		EPA 375.4	<1	mg/L	"	4°C
000010	Temp.		SM 212	23.99°	°C	"	Field
000680	TOC		EPA 415.1	<0.90	mg/L	"	H_2SO_4/4°C
000095	Spec.Conduc		SM 205	291	mmhos/cm	"	Field
000410	Bicarbonate		SM 403	154	mg/L	"	4°C
072020	Water Level			28.13	Feet (NGVD)	"	Field

*Well development is the process of pumping the well prior to sampling in order to obt representative ground water sample.

W. Pasco Class III LF

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Sample Date 11/06/92

Monitoring Well # 6322

Well Type: [X] Background
[ ] Site Boundary
[ ] Intermediate
[ ] Compliance

Well Name 4 MW 3A

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) yes

Ground Water Elevation (above MSL) _____

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
000620	Nitrate	Well Wiz. Ded.Mon. System	EPA 353.2	<0.10	mg/L	Unfiltered	H_2SO_4/4
000929	Sodium		EPA 273.1	7.21	mg/L	"	HNO_3/4°C
082079	Turbidity		SM 214A	9.02	NTU	"	4°C
000940	Chloride		SM 407A	27.0	mg/L	"	4°C
070300	TDS		SM 209B	230	mg/L	"	4°C
000400	pH		EPA 150.1	7.21	Std.units	"	Field
001045	Iron		EPA 236.1	0.62	mg/L	"	HNO_3/4°C
000945	Sulfate		EPA 375.4	10.0	mg/L	"	4°C
000010	Temp.		SM 212	23.03	°C	"	Field
000680	TOC		EPA 415.1	2.12	mg/L	"	H_2SO_4/4°C
000095	Spec. Conduc.		SM 205	338	mmhos/cm	"	Field
000410	Bicarbonate		SM 403	158	mg/L	"	4°C
072020	Water Level 72002			22.0 (FEET)	Feet	"	Field

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

DER Form #
Form Title
Effective Date
DER Application No.

QUARTERLY REPORT ON GROUND WATER MONITORING
Rule 17-4.245(6)(k)2.

GMS # 4051M30035 DATE

DER PERMIT # 5051-182279

Hays Road Class III Landfill
Installation Name

1275 Hays Rd. Spring Hill, Fl. 34610
Address City State Zip County

Cnaid Mulhern Laboratory Supervisor
Owner or Authorized Representative's Name Title

Method of Discharge

Type of Industry Class III Landfill

Report for Period OCT 1992 to Dec 1992
date date

Attach monitoring data as approved in monitoring plan using parameter monitoring report forms. When applicable, attach additional sheets describing any changes in the background water quality and the discharge plume since the last reported description. Include any changes in size, direction of movement, rate of movement, and concentration changes of plume constituents in violation of the applicable standards.

NOTE: Pursuant to Rule 17-4.245(6)(k)3., at any time there is a change in the permitted volume, location or chemical, physical or microbiological composition of the discharge plume, the permittee shall notify the department and, if required by the department, submit a new report stating the volume and chemical, physical and microbiological compositions of the discharge at the point of release or contact with the ground water at the site boundary.

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.

Cnaid E. Mulhern 12/04/92
Owner or Authorized Representative's Signature Date

Northwest District 160 Governmental Center
Northeast District 3426 Bay Rd.
Central District 3319 Maguire Blvd. Suite 232
Southwest District 4520 Oak Fair Blvd.
South District 3729 Sw 3rd
Southeast District 1900 S. Congress Ave. Suite A

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Monitoring Well # 6232

Well Name 4 MW 7

Classification of Groundwater Floridian

Well Developed* Prior to Sample Collection (Yes/No) Yes

Sample Date 11/06/92

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

Ground Water Elevation (above MSL) 72002 31.38

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
000620	Nitrate	WELL WIZARD DED. MON. SYSTEM	EPA 353.2	0.19	mg/L	Unfiltered	H_2SO_4/4°C
000929	Sodium		EPA 273.1	3.27	mg/L	"	HNO_3/4°C
082079	Turbidity		SM 214A	0.245	NTU	"	4°C
000940	Chloride		SM 407A	5.1	mg/L	"	4°C
070300	TDS		SM 209B	150	mg/L	"	4°C
000400	pH		EPA 150.1	7.20	Std.units	"	Field
001045	Iron		EPA 236.1	0.03	mg/L	"	HNO_3/4°C
000945	Sulfate		EPA 375.4	<5	mg/L	"	4°C
000010	Temp.		SM 212	24.24	°C	"	Field
000680	TOC		EPA 415.1	1.40	mg/L	"	H_2SO_4/4°C
000095	Spec.Conduc.		SM 205	250	µmhos/cm	"	Field
000410	Bicarbonate		SM 403	149	mg/L	"	4°C
072020	Water Level			31.38 (NGVD)	Feet	"	Field

*Well development is the process of pumping the well prior to sampling in order to obtai representative ground water sample.

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

DER Form #
Form Title
Effective Date
DER Application No.

QUARTERLY REPORT ON GROUND WATER MONITORING
Rule 17-4.245(6)(k)2.

GMS # 4051M30035 DATE

DER PERMIT # 5051-182279

Hays Road Class III Landfill
Installation Name

1275 Hays Rd. Spring Hill, FL 34610
Address City State Zip County

Candia Mulhern — Laboratory Supervisor
Owner or Authorized Representative's Name — Title

Method of Discharge

Type of Industry Class III Landfill

Report for Period OCT 1992 (date) to Dec 1992 (date)

Attach monitoring data as approved in monitoring plan using parameter monitoring report forms. When applicable, attach additional sheets describing any changes in the background water quality and the discharge plume since the last reported description. Include any changes in size, direction of movement, rate of movement, and concentration changes of plume constituents in violation of the applicable standards.

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Candia E. Mulhern — 12/04/92
Owner or Authorized Representative's Signature — Date

District Northeast District Central District Southwest District South District Southeast District

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Monitoring Well # 6233

Well Name 4 MW 8

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) YES

Sample Date 11/06/92

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

Ground Water Elevation (above MSL) 32.2

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
000620	Nitrate	Well Wiz	EPA 353.2	<0.10	mg/L	Unfiltered	H_2SO_4/4°C
000929	Sodium	Ded. Mon System	EPA 273.1	3.56	mg/L	"	HNO_3/4°C
082079	Turbidity		SM 214A	3.47	NTU	"	4°C
000940	Chloride		SM 407A	5.8	mg/L	"	4°C
070300	TDS		SM 209B	160	mg/L	"	4°C
000400	pH		EPA 150.1	7.12	Std.units	"	Field
001045	Iron		EPA 236.1	0.23	mg/L	"	HNO_3/4°C
000945	Sulfate		EPA 375.4	< 5	mg/L	"	4°C
000010	Temp.		SM 212	23.15	°C	"	Field
000680	TOC		EPA 415.1	<0.90	mg/L	"	H_2SO_4/4°
000095	Spec. Conduc.		SM 205	261	mhos/cm	"	Field
000410	Bicarbonate		SM 403	153	mg/L	"	4°C
072020	Water Level			32.2 (NGVD)	Feet	"	Field

*Well development is the process of pumping the well prior to sampling in order to obtain representative ground water sample.

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

QUARTERLY REPORT ON GROUND WATER MONITORING
Rule 17-4.245(6)(k)2.

GMS # 4051M30035 DATE _____

DER PERMIT # 5051-182279

Hays Road Class III Landfill
Installation Name

1275 Hays Rd. Spring Hill, Fl. 34610
Address City State Zip County

Candia Mulhern — Laboratory Supervisor
Owner or Authorized Representative's Name Title

Method of Discharge _____

Type of Industry Class III Landfill

Report for Period OCT 1992 (date) to Dec 1992 (date)

Attach monitoring data as approved in monitoring plan using parameter monitoring report forms. When applicable, attach additional sheets describing any changes in the background water quality and the discharge plume since the last reported description. Include any changes in size, direction of movement, rate of movement, and concentration changes of plume constituents in violation of the applicable standards.

NOTE: Pursuant to Rule 17-4.245(6)(k)3., at any time there is a change in the permitted volume, location or chemical, physical or microbiological composition of the discharge plume, the permittee shall notify the department and, if required by the department, submit a new report stating the volume and chemical, physical and microbiological compositions of the discharge at the point of release or contact with the ground water at the site boundary.

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Candia E. Mulhern — 12/04/92
Owner or Authorized Representative's Signature Date

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Monitoring Well # 6234

Well Name 4 MW 9

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) Yes

Sample Date 11/06/92

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

Ground Water Elevation (above MSL) 26.38

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
000620	Nitrate	Well Wiz Ded. Mon. System	EPA 353.2	<0.10	mg/L	Unfiltered	H_2SO_4/4
000929	Sodium		EPA 273.1	3.47	mg/L	"	HNO_3/4°C
082079	Turbidity		SM 214A	0.236	NTU	"	4°C
000940	Chloride		SM 407A	6.4	mg/L	"	4°C
070300	TDS		SM 209B	206	mg/L	"	4°C
000400	pH		EPA 150.1	7.01	Std.units	"	Field
001045	Iron		EPA 236.1	0.05	mg/L	"	HNO_3/4°C
000945	Sulfate		EPA 375.4	<5	mg/L	"	4°C
000010	Temp.		SM 212	23.92°	°C	"	Field
000680	TOC		EPA 415.1	1.84	mg/L	"	H_2SO_4/4°C
000095	Spec.Conduc		SM 205	294	mmhos/cm	"	Field
000410	Bicarbonate		SM 403	176	mg/L	"	4°C
072020	Water Level			26.38 (NGVD)	Feet	"	Field

*Well development is the process of pumping the well prior to sampling in order to obt representative ground water sample.

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

DER Form #
Form Fee
Effective Date
DER Application No.

QUARTERLY REPORT ON GROUND WATER MONITORING
Rule 17-4.245(6)(k)2.

GMS # 4051M30035 DATE

DER PERMIT # 5051-182279

Hays Road Class III Landfill
Installation Name

1275 Hays Rd. Spring Hill, FL. 34610
Address City State Zip County

Candia Mulhern — Laboratory Supervisor
Owner or Authorized Representative's Name — Title

Method of Discharge

Type of Industry Class III Landfill

Report for Period OCT 1992 (date) to Dec 1992 (date)

Attach monitoring data as approved in monitoring plan using parameter monitoring report forms. When applicable, attach additional sheets describing any changes in the background water quality and the discharge plume since the last reported description. Include any changes in size, direction of movement, rate of movement, and concentration changes of plume constituents in violation of the applicable standards.

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Candia E. Mulhern — 12/04/92
Owner or Authorized Representative's Signature — Date

Northwest District 160 Governmental Center
Northeast District 3426 Bay Rd.
Central District 3319 Maguire Blvd. Suite 232
Southwest District 4520 Oak Fair Blvd.
South District 3301 Gun Club Rd.
Southeast District 1900 S. Congress Ave. Suite A

W. Pasco Class III LF

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Monitoring Well # 6322

Well Name 4 MW 3A

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) yes

Sample Date 07/14/92

Well Type: [X] Background
[ ] Site Boundary
[ ] Intermediate
[ ] Compliance

Ground Water Elevation (above MSL) _____ f

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
000620	Nitrate	Well Wiz. Ded.Mon. System	EPA 353.2	<0.10	mg/L	Unfiltered	$H_2SO_4/4^oC$
000929	Sodium		EPA 273.1	4.10	mg/L	"	$HNO_3/4^oC$
082079	Turbidity		SM 214A	2.38	NTU	"	4^oC
000940	Chloride		SM 407A	6.9	mg/L	"	4^oC
070300	TDS		SM 209B	179	mg/L	"	4^oC
000400	pH		EPA 150.1	7.45	Std.units	"	Field
001045	Iron		EPA 236.1	0.22	mg/L	"	$HNO_3/4^oC$
000945	Sulfate		EPA 375.4	<1	mg/L	"	4^oC
000010	Temp.		SM 212	24.5°	°C	"	Field
000680	TOC		EPA 415.1	1.21	mg/L	"	$H_2SO_4/4^oC$
000095	Spec. Conduc.		SM 205	255	µmhos/cm	"	Field
000410	Bicarbonate		SM 403	140.8	mg/L	"	4^oC
072020	Water Level 72002			25.30*	Feet	"	Field

*Not measured to MSL

*Well development is the process of pumping the well prior to sampling in order to obtain representative ground water sample.

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

DER Form #
Form Fee
Effective Date
DER Application No.
Filed in DEP

QUARTERLY REPORT ON GROUND WATER MONITORING
Rule 17-4.245(6)(k)2.

GMS # 4051M30035 DATE

DER PERMIT # 5051-182279

Hays Road Class III Landfill
Installation Name

1275 Hays Rd. Spring Hill, Fl. 34610
Address City State Zip County

Cnaid Mulhern Laboratory Supervisor
Owner or Authorized Representative's Name Title

Method of Discharge

Type of Industry Class III Landfill

Report for Period JUL '92 (date) to SEPT '92 (date)

Attach monitoring data as approved in monitoring plan using parameter monitoring report forms. When applicable, attach additional sheets describing any changes in the background water quality and the discharge plume since the last reported description. Include any changes in size, direction of movement, rate of movement, and concentration changes of plume constituents in violation of the applicable standards.

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Cnaid E. Mulhern 08/11/92
Owner or Authorized Representative's Signature Date

Northwest District 160 Governmental Center Pensacola, Florida 32501-5794
Northeast District 2426 Bike Rd. Jacksonville, Florida 32207
Central District 3319 Maguire Blvd. Suite 232 Orlando, Florida 32803-3767
Southwest District 4520 Oak Fair Blvd. Tampa, Florida 33610-7347
South District 2269 Bay St. Fort Myers, Florida 33901-2896
Southeast District 1900 S. Congress Ave., Suite A Lake Worth, Florida 33461-5436

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Sample Date 07/14/92

Monitoring Well # 6232

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

Well Name 4 MW 7

Classification of Groundwater Floridian

Well Developed* Prior to Sample Collection (Yes/No) Yes

Ground Water Elevation (above MSL) 27.48 ft 72002

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
000620	Nitrate	WELL WIZARD DED. MON. SYSTEM	EPA 353.2	0.34	mg/L	Unfiltered	H_2SO_4/4°C
000929	Sodium		EPA 273.1	3.25	mg/L	"	HNO_3/4°C
082079	Turbidity		SM 214A	1.57	NTU	"	4°C
000940	Chloride		SM 407A	3.7	mg/L	"	4°C
070300	TDS		SM 209B	157	mg/L	"	4°C
000400	pH		EPA 150.1	7.48	Std.units	"	Field
001045	Iron		EPA 236.1	0.06	mg/L	"	HNO_3/4°C
000945	Sulfate		EPA 375.4	<1	mg/L	"	4°C
000010	Temp.		SM 212	24.3°	°C	"	Field
000680	TOC		EPA 415.1	<0.80	mg/L	"	H_2SO_4/4°C
000095	Spec.Conduc.		SM 205	245	μ mhos/cm	"	Field
000410	Bicarbonate		SM 403	115.9	mg/L	"	4°C
072020	Water Level			27.48	Feet	"	Field

*Well development is the process of pumping the well prior to sampling in order to obtain representative ground water sample.

Florida Department of Environmental Regulation

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

DER Form #
Form Title
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QUARTERLY REPORT ON GROUND WATER MONITORING
Rule 17-4.245(6)(k)2.

GMS # 4051M30035 DATE

DER PERMIT # 5051-182279

Hays Road Class III Landfill
Installation Name

1275 Hays Rd. Spring Hill, FL 34610
Address City State Zip County

Candia Mulhern — Laboratory Supervisor
Owner or Authorized Representative's Name Title

Method of Discharge

Type of Industry Class III Landfill

Report for Period JUL '92 (date) to SEPT '92 (date)

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Candia E. Mulhern — 08/11/92
Owner or Authorized Representative's Signature Date

Northwest District | Northeast District | Central District | Southwest District | South District | Southeast District

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Sample Date 07/14/92

Monitoring Well # 6233

Well Name 4 MW 8

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) YES

Ground Water Elevation (above MSL) 29.25 f

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
000620	Nitrate	Well Wiz	EPA 353.2	<0.10	mg/L	Unfiltered	$H_2SO_4/4^oC$
000929	Sodium	Ded. Mon System	EPA 273.1	3.76	mg/L	"	$HNO_3/4^oC$
082079	Turbidity		SM 214A	0.53	NTU	"	4^oC
000940	Chloride		SM 407A	4.8	mg/L	"	4^oC
070300	TDS		SM 209B	161	mg/L	"	4^oC
000400	pH		EPA 150.1	7.51	Std.units	"	Field
001045	Iron		EPA 236.1	0.05	mg/L	"	$HNO_3/4^oC$
000945	Sulfate		EPA 375.4	<1	mg/L	"	4^oC
000010	Temp.		SM 212	23.4^o	^oC	"	Field
000680	TOC		EPA 415.1	<0.80	mg/L	"	$H_2SO_4/4^oC$
000095	Spec. Conduc.		SM 205	260	mmhos/cm	"	Field
000410	Bicarbonate		SM 403	130.0	mg/L	"	4^oC
072020	Water Level			29.25	Feet	"	Field

*Well development is the process of pumping the well prior to sampling in order to obtain representative ground water sample.

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

DER Form #
Form Title
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QUARTERLY REPORT ON GROUND WATER MONITORING
Rule 17-4.245(6)(k)2.

GMS # 4051M30035 DATE

DER PERMIT # 5051-182279

Hays Road Class III Landfill
Installation Name

1275 Hays Rd. Spring Hill, Fl. 34610
Address City State Zip County

Candia Mulhern — Laboratory Supervisor
Owner or Authorized Representative's Name — Title

Method of Discharge

Type of Industry Class III Landfill

Report for Period JUL '92 (date) to SEPT '92 (date)

Attach monitoring data as approved in monitoring plan using parameter monitoring report forms. When applicable, attach additional sheets describing any changes in the background water quality and the discharge plume since the last reported description. Include any changes in size, direction of movement, rate of movement, and concentration changes of plume constituents in violation of the applicable standards.

NOTE: Pursuant to Rule 17-4.245(6)(k)3., at any time there is a change in the permitted volume, location or chemical, physical or microbiological composition of the discharge plume, the permittee shall notify the department and, if required by the department, submit a new report stating the volume and chemical, physical and microbiological compositions of the discharge at the point of release or contact with the ground water at the site boundary.

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.

Candia E. Mulhern — 08/11/92
Owner or Authorized Representative's Signature — Date

Northwest District 160 Governmental Center
Northeast District 3426 Bills Rd.
Central District 3319 Maguire Blvd. Suite 232
Southwest District 4520 Oak Fair Blvd.
South District 2269 Bay St.
Southeast District 1900 S. Congress Ave. Suite A

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Sample Date 07/14/92

Monitoring Well # 6234
4 MW 9

Well Name

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) Yes

Ground Water Elevation (above MSL) 27.13 f

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
000620	Nitrate	Well Wiz	FPA 353.2	<0.10	mg/L	Unfiltered	H_2SO_4/4°C
000929	Sodium	Ded.Mon. System	EPA 273.1	3.53	mg/L	"	HNO_3/4°C
082079	Turbidity		SM 214A	0.12	NTU	"	4°C
000940	Chloride		SM 407A	4.2	mg/L	"	4°C
070300	TDS		SM 209B	174	mg/L	"	4°C
000400	pH		EPA 150.1	7.33	Std.units	"	Field
001045	Iron		EPA 236.1	0.06	mg/L	"	HNO_3/4°C
000945	Sulfate		EPA 375.4	<1	mg/L	"	4°C
000010	Temp.		SM 212	24.9°	°C	"	Field
000680	TOC		EPA 415.1	<0.80	mg/L	"	H_2SO_4/4°C
000095	Spec.Conduc		SM 205	260	mmhos/cm	"	Field
000410	Bicarbonate		SM 403	146.0	mg/L	"	4°C
072020	Water Level			27.13	Feet	"	Field

*Well development is the process of pumping the well prior to sampling in order to obtain representative ground water sample.

DER Form 17-1.216(2)
Effective January 1, 1983

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

DER Form #
Form Title
Effective Date
DER Application No. (Filled in by DER)

QUARTERLY REPORT ON GROUND WATER MONITORING
Rule 17-4.245(6)(k)2.

GMS # 4051M30035 DATE

DER PERMIT # 5051-182279

Hays Road Class III Landfill
Installation Name

1275 Hays Rd. Spring Hill, FL. 34610
Address City State Zip County

Candia Mulhern — Laboratory Supervisor
Owner or Authorized Representative's Name Title

Method of Discharge

Type of Industry Class III Landfill

Report for Period JUL '92 (date) to SEPT '92 (date)

Attach monitoring data as approved in monitoring plan using parameter monitoring report forms. When applicable, attach additional sheets describing any changes in the background water quality and the discharge plume since the last reported description. Include any changes in size, direction of movement, rate of movement, and concentration changes of plume constituents in violation of the applicable standards.

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Candia E. Mulhern — 08/11/92
Owner or Authorized Representative's Signature Date

Northwest District 160 Governmental Center Pensacola, Florida 32501-5794
Northeast District 3426 Bills Rd. Jacksonville, Florida 32207
Central District 3319 Maguire Blvd. Suite 232 Orlando, Florida 32803-3767
Southwest District 4520 Oak Fair Blvd. Tampa, Florida 33610-7347
South District 2269 Bay St. Fort Myers, Florida 33901-2913
Southeast District 1900 S. Congress Ave., Suite A West Palm Beach, Florida 33406-6113

W. Para Class III 4F

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Monitoring Well # 6232

Well Name 4 MW 7

Classification of Groundwater Floridian

Well Developed* Prior to Sample Collection (Yes/No) Yes

Other Site Dry

Sample Date 04/13/92

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

Ground Water Elevation (above MSL) 28.48

72002

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
000620	Nitrate	WELL WIZARD DED. MON. SYSTEM	EPA 353.2	0.130	mg/L	Unfiltered	H_2SO_4/4°C
000929	Sodium		EPA 273.1	3.05	mg/L	"	HNO_3/4°C
082079	Turbidity		SM 214A	3.50	NTU	"	4°C
000940	Chloride		SM 407A	4.00	mg/L	"	4°C
070300	TDS		SM 209B	160	mg/L	"	4°C
000400	pH		EPA 150.1	6.95	Std.units	"	Field
001045	Iron		EPA 236.1	0.09	mg/L	"	HNO_3/4°C
000945	Sulfate		EPA 375.4	<1	mg/L	"	4°C
000010	Temp.		SM 212	23.6°	°C	"	Field
000680	TOC		EPA 415.1	0.94	mg/L	"	H_2SO_4/4°C
000095	Spec.Conduc.		SM 205	210	μ mhos/cm	"	Field
000410	Bicarbonate		SM 403	124	mg/L	"	4°C
072020	Water Level			~~28.48~~	Feet	"	Field

72002

*Well development is the process of pumping the well prior to sampling in order to obtai representative ground water sample.

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

DER Form #
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QUARTERLY REPORT ON GROUND WATER MONITORING
Rule 17-4.245(6)(k)2.

GMS # 4051M30035 DATE

DER PERMIT # 5051-182279

Hays Road Class III Landfill
Installation Name

1275 Hays Rd. Spring Hill, FL 34610
Address City State Zip County

Candia Mulhern Laboratory Supervisor
Owner or Authorized Representative's Name Title

Method of Discharge

Type of Industry Class III Landfill

Report for Period _____ (date) to _____ (date)

Attach monitoring data as approved in monitoring plan using parameter monitoring report forms. When applicable, attach additional sheets describing any changes in the background water quality and the discharge plume since the last reported description. Include any changes in size, direction of movement, rate of movement, and concentration changes of plume constituents in violation of the applicable standards.

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Owner or Authorized Representative's Signature Date

Northwest District Northeast District Central District Southwest District South District Southeast District

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Sample Date 04/13/92

Monitoring Well # 6233

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

Well Name 4 MW 8

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) YES

Ground Water Elevation (above MSL) 30.3

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
000620	Nitrate	Well Wiz Ded. Mon System	EPA 353.2	0.039	mg/L	Unfiltered	$H_2SO_4/4^oC$
000929	Sodium		EPA 273.1	3.39	mg/L	"	$HNO_3/4^oC$
082079	Turbidity		SM 214A	0.25	NTU	"	4^oC
000940	Chloride		SM 407A	3.00	mg/L	"	4^oC
070300	TDS		SM 209B	153	mg/L	"	4^oC
000400	pH		EPA 150.1	7.37	Std.units	"	Field
001045	Iron		EPA 236.1	0.04	mg/L	"	$HNO_3/4^oC$
000945	Sulfate		EPA 375.4	<1	mg/L	"	4^oC
000010	Temp.		SM 212	23.2°	°C	"	Field
000680	TOC		EPA 415.1	< 0.50	mg/L	"	$H_2SO_4/4^oC$
000095	Spec. Conduc.		SM 205	230	mhos/cm	"	Field
000410	Bicarbonate		SM 403	129	mg/L	"	4^oC
072020	Water Level			~~30.3~~	Feet	"	Field

*Well development is the process of pumping the well prior to sampling in order to obtain representative ground water sample.

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

DER Form #
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QUARTERLY REPORT ON GROUND WATER MONITORING
Rule 17-4.245(6)(k)2.

GMS # 4051M30035 DATE

DER PERMIT # 5051-182279

Hays Road Class III Landfill
Installation Name

1275 Hays Rd. Spring Hill, Fl. 34610
Address City State Zip County

Candia Mulhern — Laboratory Supervisor
Owner or Authorized Representative's Name — Title

Method of Discharge

Type of Industry Class III Landfill

Report for Period _____ (date) to _____ (date)

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Owner or Authorized Representative's Signature — Date

Northwest District 160 Governmental Center
Northeast District 3426 Bills Rd.
Central District 3319 Maguire Blvd. Suite 232
Southwest District 4520 Oak Fair Blvd.
South District 3301 Gun Club Rd.
Southeast District 1900 S. Congress Ave.

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Sample Date 04/13/92

Monitoring Well # 6234

Well Name 4 MW 9

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) Yes

Ground Water Elevation (above MSL) 28.38

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
000620	Nitrate	Well Wiz Ded.Mon. System	EPA 353.2	< 0.02	mg/L	Unfiltered	H_2SO_4/4
000929	Sodium		EPA 273.1	3.25	mg/L	"	HNO_3/4°
082079	Turbidity		SM 214A	0.13	NTU	"	4°C
000940	Chloride		SM 407A	4.00	mg/L	"	4°C
070300	TDS		SM 209B	174	mg/L	"	4°C
000400	pH		EPA 150.1	7.40	Std.units	"	Field
001045	Iron		EPA 236.1	0.04	mg/L	"	HNO_3/4°
000945	Sulfate		EPA 375.4	< 1	mg/L	"	4°C
000010	Temp.		SM 212	23.9°	°C	"	Field
000680	TOC		EPA 415.1	1.71	mg/L	"	H_2SO_4/4
000095	Spec.Conduc		SM 205	230	mmhos/cm	"	Field
000410	Bicarbonate		SM 403	143	mg/L	"	4°C
072020	Water Level			28.38	Feet	"	Field

*Well development is the process of pumping the well prior to sampling in order to obtai representative ground water sample.

DER Form 17-1.216(2)
Effective January 1, 1983

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

DER Form #
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QUARTERLY REPORT ON GROUND WATER MONITORING
Rule 17-4.245(6)(k)2.

GMS # 4051M30035 DATE

DER PERMIT # 5051-182279

Hays Road Class III Landfill
Installation Name

1275 Hays Rd. Spring Hill, FL. 34610
Address City State Zip County

Candia Mulhern — Laboratory Supervisor
Owner or Authorized Representative's Name Title

Method of Discharge

Type of Industry Class III Landfill

Report for Period _____ (date) to _____ (date)

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Owner or Authorized Representative's Signature Date

Northwest District 160 Governmental Center | Northeast District 3426 Bills Rd. | Central District 3319 Maguire Blvd. Suite 232 | Southwest District 4520 Oak Fair Blvd. | South District 3301 Gun Club Rd. | Southeast District 1900 S. Congress Ave. Suite A

W. Pasco Class III 4F

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

Other Site Dry

GMS# 4051M30035

Sample Date 01/24/92

Monitoring Well# 6232

Well Type ( )Background
( )Site boundary
( )Intermediate
(xx)Compliance

Well Name 4MW7

Classification Of Groundwater Floridan

Ground Water Elevation (above MSL) 29.88 ft.

Well Developed* Prior to Sample collection (Yes/No) Yes

Storet Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Results	Units	Sample Filt/Unfilt	Preservatives Added
000620	Nitrate	Well Wizard	EPA 353.2	0.189	mg/L	Unfiltered	H2SO4/4 °C
000929	Sodium	Ded.Mon. System	EPA 273.1	3.26	mg/L	"	HNO3/4 °C
082079	Turbidity		SM 214A	0.717	NTU	"	Cool 4 °C
000940	Chloride		SM 407A	5.8	mg/L	"	Cool 4 °C
070300	TDS		SM 209B	156	mg/L	"	Cool 4 °C
000400	pH		EPA 150.1	7.35	Std/units	"	Field
001045	Iron		EPA 236.1	0.07	mg/L	"	HNO3/4 °C
000945	Sulfate		EPA 375.4	<1	mg/L	"	Cool 4 °C
000010	Temperature		SM 212	23.8°	°C	"	Field
000680	TOC		EPA 415.1	<0.50	mg/L	"	H2SO4/4 °C
000095	Specific Conductance		SM 205	220	umhos/cm	"	Field
000410	Bicarbonate		SM 403	132.9	mg/L	"	Cool 4 °C
072020	Water Level			29.88	Feet	"	Field

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DER Form 17-1.216(2)
Effective January 1, 1983

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS# 4051M30035

Sample Date 01/24/92

Monitoring Well# 6233

Well Type ( )Background
( )Site boundary
( )Intermediate
(xx)Compliance

Well Name 4MW8

Classification Of Groundwater Floridan

Ground Water Elevation (above MSL) 31.7 ft.

Well Developed* Prior to Sample collection (Yes/No) Yes

Storet Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Results	Units	Sample Filt/Unfilt	Preservatives Added
000620	Nitrate	Well Wizard	EPA 353.2	0.076	mg/L	Unfiltered	H2SO4/4 °C
000929	Sodium	Ded.Mon. System	EPA 273.1	3.63	mg/L	"	HNO3/4 °C
082079	Turbidity		SM 214A	1.354	NTU	"	Cool 4 °C
000940	Chloride		SM 407A	5.5	mg/L	"	Cool 4 °C
070300	TDS		SM 209B	162	mg/L	"	Cool 4 °C
000400	pH		EPA 150.1	7.21	Std/units	"	Field
001045	Iron		EPA 236.1	0.05	mg/L	"	HNO3/4 °C
000945	Sulfate		EPA 375.4	<1	mg/L	"	Cool 4 °C
000010	Temperature		SM 212	22.3°	°C	"	Field
000680	TOC		EPA 415.1	<0.80	mg/L	"	H2SO4/4 °C
000095	Specific Conductance		SM 205	120	umhos/cm	"	Field
000410	Bicarbonate		SM 403	127.9	mg/L	"	Cool 4 °C
072020	Water Level			31.7	Feet	"	Field

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DER Form 17-1.216(2)
Effective January 1, 1983

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS# 4051M30035

Sample Date 01/23/92

Monitoring Well# 6234

Well Type ( )Background
( )Site boundary
( )Intermediate
( )Compliance

Well Name 4MW9

Classification Of Groundwater Floridan

Ground Water Elevation (above MSL) 29.98 ft.

Well Developed* Prior to Sample collection (Yes/No) Yes

Storet Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Results	Units	Sample Filt/Unfilt	Preservatives Added
000620	Nitrate	Well Wizard Ded.Mon. System	EPA 353.2	0.042	mg/L	Unfiltered	H2SO4/4° C
000929	Sodium		EPA 273.1	3.63	mg/L	"	HNO3/4° C
082079	Turbidity		SM 214A	0.230	NTU	"	Cool 4° C
000940	Chloride		SM 407A	5.9	mg/L	"	Cool 4° C
070300	TDS		SM 209B	183	mg/L	"	Cool 4° C
000400	pH		EPA 150.1	7.46	Std/units	"	Field
001045	Iron		EPA 236.1	0.07	mg/L	"	HNO3/4° C
000945	Sulfate		EPA 375.4	<1	mg/L	"	Cool 4° C
000010	Temperature		SM 212	23.6°	°C	"	Field
000680	TOC		EPA 415.1	<0.90	mg/L	"	H2SO4/4° C
000095	Specific Conductance		SM 205	250	umhos/cm	"	Field
000410	Bicarbonate		SM 403	156.0	mg/L	"	Cool 4° C
072020	Water Level			29.98	Feet	"	Field

*Well development is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

DER Form 17-1.216(2)
Effective January 1, 1983

West Pasco Class III

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Sample Date 04/09/91

Monitoring Well # 6322

Well Type: [X] Background
[ ] Site Boundary
[ ] Intermediate
[ ] Compliance

Well Name 4 MW 3

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) yes

Ground Water Elevation (above MSL) _____

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
000620	Nitrate	Well Wiz. Ded.Mon. System	EPA 353.2	<0.25	mg/L	Unfiltered	H_2SO_4/4°
000929	Sodium		EPA 273.1	5.07	mg/L	"	HNO_3/4°
082079	Turbidity		SM 214A	10.08	NTU	"	4°C
000940	Chloride		SM 407A	6.0	mg/L	"	4°C
070300	TDS		SM 209B	181	mg/L	"	4°C
000400	pH		EPA 150.1	7.69	Std.units	"	Field
001045	Iron		EPA 236.1	0.10	mg/L	"	HNO_3/4°
000945	Sulfate		EPA 375.4	<1	mg/L	"	4°C
000010	Temp.		SM 212	24	°C	"	Field
000680	TOC		EPA 415.1	1.47	mg/L	"	H_2SO_4/4°
000095	Spec. Conduc.		SM 205	250	µmhos/cm	"	Field
~~000410~~ 425	Bicarbonate		SM 403	147	mg/L	"	4°C
~~072020~~	Water Level		72002	25.5	Feet	"	Field

RECEIVED
MAY 20 1991
SOLID WASTE

*Well development is the process of pumping the well prior to sampling in order to obtai representative ground water sample.

DER Form 17-1.216(2)
Effective January 1, 1983

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Monitoring Well # 6232

Well Name 4 MW 7

Classification of Groundwater Floridian

Well Developed* Prior to Sample Collection (Yes/No) Yes

Sample Date 04/15/91

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

Ground Water Elevation (above MSL) ~~27.08~~

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
000620	Nitrate	WELL WIZARD DED. MON. SYSTEM	EPA 353.2	0.40	mg/L	Unfiltered	H_2SO_4/4°C
000929	Sodium		EPA 273.1	< 3.0	mg/L	"	HNO_3/4°C
082079	Turbidity		SM 214A	5.26	NTU	"	4°C
000940	Chloride		SM 407A	2.5	mg/L	"	4°C
070300	TDS		SM 209B	160	mg/L	"	4°C
000400	pH		EPA 150.1	7.74	Std.units	"	Field
001045	Iron		EPA 236.1	< 0.10	mg/L	"	HNO_3/4°C
000945	Sulfate		EPA 375.4	< 1	mg/L	"	4°C
000010	Temp.		SM 212	26	°C	"	Field
000680	TOC		EPA 415.1	< 0.80	mg/L	"	H_2SO_4/4°C
000095	Spec.Conduc.		SM 205	240	µ mhos/cm	"	Field
000410	Bicarbonate		SM 403	129	mg/L	"	4°C
072020	Water Level		72002	27.08	Feet	"	Field

RECEIVED
MAY 20 1991
SOLID WASTE

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DER Form 17-1.216(2)
Effective January 1, 1983

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Sample Date 04/15/91

Monitoring Well # 6233

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

Well Name 4 MW 8

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) YES

Ground Water Elevation (above MSL) 28.9 ft

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
000620	Nitrate	Well Wiz	EPA 353.2	<0.25	mg/L	Unfiltered	H_2SO_4/4 °C
000929	Sodium	Ded. Mon System	EPA 273.1	3.96	mg/L	"	HNO_3/4°C
082079	Turbidity		SM 214A	0.32	NTU	"	4°C
000940	Chloride		SM 407A	5.5	mg/L	"	4°C
070300	TDS		SM 209B	151	mg/L	"	4°C
000400	pH		EPA 150.1	7.81	std.units	"	Field
001045	Iron		EPA 236.1	<0.10	mg/L	"	HNO_3/4°C
000945	Sulfate		EPA 375.4	1.0	mg/L	"	4°C
000010	Temp.		SM 212	24	°C	"	Field
000680	TOC		EPA 415.1	1.42	mg/L	"	H_2SO_4/4°C
000095	Spec. Conduc.		SM 205	235	mhos/cm	"	Field
000410	Bicarbonate		SM 403	132	mg/L	"	4°C
072020	Water Level		7002	28.9	Feet	"	Field

RECEIVED
MAY 20 1991
SOLID WASTE

*Well development is the process of pumping the well prior to sampling in order to obtain representative ground water sample.

DER Form 17-1.216(2)
Effective January 1, 1983

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Sample Date 04/09/91

Monitoring Well # 6234

Well Name 4 MW 9

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) Yes

Ground Water Elevation (above MSL) ~~26.83~~

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
000620	Nitrate	Well Wiz Ded. Mon. System	EPA 353.2	<0.25	mg/L	Unfiltered	H_2SO_4/4°C
000929	Sodium		EPA 273.1	4.97	mg/L	"	HNO_3/4°C
082079	Turbidity		SM 214A	0.29	NTU	"	4°C
000940	Chloride		SM 407A	5.0	mg/L	"	4°C
070300	TDS		SM 209B	174	mg/L	"	4°C
000400	pH		EPA 150.1	7.78	Std.units	"	Field
001045	Iron		EPA 236.1	<0.10	mg/L	"	HNO_3/4°C
000945	Sulfate		EPA 375.4	<1.0	mg/L	"	4°C
000010	Temp.		SM 212	26	°C	"	Field
000680	TOC		EPA 415.1	<0.80	mg/L	"	H_2SO_4/4°
000095	Spec. Conduc		SM 205	265	mmhos/cm	"	Field
000410	Bicarbonate		SM 403	151	mg/L	"	4°C
072020	Water Level		7002	26.83	Feet	"	Field

RECEIVED
MAY 20 1991
SOLID WASTE

*Well development is the process of pumping the well prior to sampling in order to obtai representative ground water sample.

DER Form 17-1.216(2)
Effective January 1, 1983

West Pasco Class III

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Sample Date 1/14/91

Monitoring Well # 6322

Well Type: [X] Background
[ ] Site Boundary
[ ] Intermediate
[ ] Compliance

Well Name 4 MW 3

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) yes

Ground Water Elevation (above MSL) _____ ft

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
00620	Nitrate	Well Wiz. Ded.Mon. System	EPA 353.2	<0.02	mg/L	Unfiltered	$H_2SO_4/4^oC$
00929	Sodium		EPA 273.1	6.00	mg/L	"	$HNO_3/4^oC$
82079	Turbidity		SM 214A	1.50	NTU	"	4^oC
00940	Chloride		SM 407A	8.0	mg/L	"	4^oC
70300	TDS		SM 209B	173	mg/L	"	4^oC
00400	pH		EPA 150.1	7.56	Std.units	"	Field
01045	Iron		EPA 236.1	0.10	mg/L	"	$HNO_3/4^oC$
00945	Sulfate		EPA 375.4	0.04	mg/L	"	4^oC
00010	Temp.		SM 212	22°	°C	"	Field
00680	TOC		EPA 415.1	3.27	mg/L	"	$H_2SO_4/4^oC$
00095	Spec. Conduc.		SM 205	235	µmhos/cm	"	Field
00410	Bicarbonate		SM 403	140	mg/L	"	4^oC
~~72020~~	Water Level		72002	(24) *	Feet	"	Field

* Not measured to MSL

*Well development is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

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

DER Form #
Form Title
Effective Date
DER Application No. (Filled in by DER)

QUARTERLY REPORT ON GROUND WATER MONITORING
Rule 17-4.245(6)(k)2.

GMS # 4051M30035 DATE

DER PERMIT # 5051-182279

Hays Road Class III Landfill
Installation Name

1275 Hays Rd. Spring Hill, Fl. 34610
Address City State Zip County

Cnaid Mulhern — Laboratory Supervisor
Owner or Authorized Representative's Name — Title

Method of Discharge

Type of Industry Class III Landfill

Report for Period _____ (date) to _____ (date)

Attach monitoring data as approved in monitoring plan using parameter monitoring report forms. When applicable, attach additional sheets describing any changes in the background water quality and the discharge plume since the last reported description. Include any changes in size, direction of movement, rate of movement, and concentration changes of plume constituents in violation of the applicable standards.

NOTE: Pursuant to Rule 17-4.245(6)(k)3., at any time there is a change in the permitted volume, location or chemical, physical or microbiological composition of the discharge plume, the permittee shall notify the department and, if required by the department, submit a new report stating the volume and chemical, physical and microbiological compositions of the discharge at the point of release or contact with the ground water at the site boundary.

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.

Owner or Authorized Representative's Signature — Date

Northwest District
160 Governmental Center
Pensacola, Florida 32501-5794
904-436-8300

Northeast District
3426 Bills Rd.
Jacksonville, Florida 32207
904-798-4200

Central District
3319 Maguire Blvd. Suite 232
Orlando, Florida 32803-3767
407-894-7555

Southwest District
4520 Oak Fair Blvd.
Tampa, Florida 33610-7347
813-623-5561

South District
2269 Bay St.
Fort Myers, Florida 33901-2896
813-332-3667

Southeast District
1900 S. Congress Ave., Suite A
West Palm Beach, Florida 33406
407-964-8888

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Sample Date 1/4/91

Monitoring Well # 6232

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

Well Name 4 MW 7

Classification of Groundwater Floridian

82535

Well Developed* Prior to Sample Collection (Yes/No) Yes

Ground Water Elevation (above MSL) 28.23 ft

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
000620	Nitrate	WELL WIZARD DED. MON. SYSTEM	EPA 353.2	0.219	mg/L	Unfiltered	H_2SO_4/4°C
000929	Sodium		EPA 273.1	5.83	mg/L	"	HNO_3/4°C
082079	Turbidity		SM 214A	12.96	NTU	"	4°C
000940	Chloride		SM 407A	7.5	mg/L	"	4°C
070300	TDS		SM 209B	157	mg/L	"	4°C
000400	pH		EPA 150.1	7.86	Std.units	"	Field
001045	Iron		EPA 236.1	<0.1	mg/L	"	HNO_3/4°C
000945	Sulfate		EPA 375.4	0.41	mg/L	"	4°C
000010	Temp.		SM 212	23°	°C	"	Field
000680	TOC		EPA 415.1	17.5	mg/L	"	H_2SO_4/4°C
000095	Spec.Conduc.		SM 205	210	μ mhos/cm	"	Field
000410	Bicarbonate		SM 403	105	mg/L	"	4°C
~~072020~~	~~Water Level~~			28.23	Feet	"	Field

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DER Form 17-1.216(2)
Effective January 1, 1983

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

DER Form #
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QUARTERLY REPORT ON GROUND WATER MONITORING
Rule 17-4.245(6)(k)2.

GMS # 4051M30035 DATE

DER PERMIT # 5051-182279

Hays Road Class III Landfill
Installation Name

1275 Hays Rd. Spring Hill, FL 34610
Address City State Zip County

Candia Mulhern Laboratory Supervisor
Owner or Authorized Representative's Name Title

Method of Discharge

Type of Industry Class III Landfill

Report for Period _____ (date) to _____ (date)

Attach monitoring data as approved in monitoring plan using parameter monitoring report forms. When applicable, attach additional sheets describing any changes in the background water quality and the discharge plume since the last reported description. Include any changes in size, direction of movement, rate of movement, and concentration changes of plume constituents in violation of the applicable standards.

NOTE: Pursuant to Rule 17-4.245(6)(k)3., at any time there is a change in the permitted volume, location or chemical, physical or microbiological composition of the discharge plume, the permittee shall notify the department and, if required by the department, submit a new report stating the volume and chemical, physical and microbiological compositions of the discharge at the point of release or contact with the ground water at the site boundary.

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_____ _____
Owner or Authorized Representative's Signature Date

Northwest District Northeast District Central District Southwest District South District Southeast District

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Sample Date 1/4/91

Monitoring Well # 6233

Well Name 4 MW 8

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) YES

Ground Water Elevation (above MSL) 30.05 ft

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
00620	Nitrate	Well Wiz	EPA 353.2	<0.02	mg/L	Unfiltered	H_2SO_4/4 °C
00929	Sodium	Ded. Mon System	EPA 273.1	4.42	mg/L	"	HNO_3/4°C
82079	Turbidity		SM 214A	1.19	NTU	"	4°C
00940	Chloride		SM 407A	6.5	mg/L	"	4°C
70300	TDS		SM 209B	156	mg/L	"	4°C
00400	pH		EPA 150.1	7.90	Std.units	"	Field
01045	Iron		EPA 236.1	<0.1	mg/L	"	HNO_3/4°C
00945	Sulfate		EPA 375.4	0.66	mg/L	"	4°C
00010	Temp.		SM 212	22°	°C	"	Field
00680	TOC		EPA 415.1	<0.80	mg/L	"	H_2SO_4/4°C
00095	Spec. Conduc.		SM 205	225	mhos/cm	"	Field
00410	Bicarbonate		SM 403	133	mg/L	"	4°C
72020	Water Level			30.05	Feet	"	Field

*Well development is the process of pumping the well prior to sampling in order to obtain a representative ground water sample.

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

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QUARTERLY REPORT ON GROUND WATER MONITORING
Rule 17-4.245(6)(k)2.

GMS # 4051M30035 DATE

DER PERMIT # 5051-182279

Hays Road Class III Landfill
Installation Name

1275 Hays Rd. Spring Hill, Fl. 34610
Address City State Zip County

Candia Mulhern — Laboratory Supervisor
Owner or Authorized Representative's Name — Title

Method of Discharge

Type of Industry Class III Landfill

Report for Period _____ (date) to _____ (date)

Attach monitoring data as approved in monitoring plan using parameter monitoring report forms. When applicable, attach additional sheets describing any changes in the background water quality and the discharge plume since the last reported description. Include any changes in size, direction of movement, rate of movement, and concentration changes of plume constituents in violation of the applicable standards.

NOTE: Pursuant to Rule 17-4.245(6)(k)3., at any time there is a change in the permitted volume, location or chemical, physical or microbiological composition of the discharge plume, the permittee shall notify the department and, if required by the department, submit a new report stating the volume and chemical, physical and microbiological compositions of the discharge at the point of release or contact with the ground water at the site boundary.

CERTIFICATION

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Owner or Authorized Representative's Signature — Date

Northwest District
160 Governmental Center
Pensacola, Florida 32501-5794

Northeast District
3426 Bills Rd.
Jacksonville, Florida 32207

Central District
3319 Maguire Blvd. Suite 232
Orlando, Florida 32803-3767

Southwest District
4520 Oak Fair Blvd.
Tampa, Florida 33610-7347

South District
2269 Bay St.
Fort Myers, Florida 33901-2896

Southeast District
1900 S. Congress Ave., Suite A
West Palm Beach, Florida 33406

PARAMETER MONITORING REPORT
(Rule 17-3.402, 17-3.404 - 17-3.406)

GMS # 4051M30035

Sample Date 1/4/91

Monitoring Well # 6234

Well Name 4 MW 9

Well Type: [ ] Background
[ ] Site Boundary
[ ] Intermediate
[X] Compliance

Classification of Groundwater Floridan

Well Developed* Prior to Sample Collection (Yes/No) Yes

Ground Water Elevation (above MSL) 28.28 ft

STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preservatives Added
00620	Nitrate	Well Wiz Ded.Mon. System	EPA 353.2	0.074	mg/L	Unfiltered	H_2SO_4/4 °C
00929	Sodium		EPA 273.1	6.39	mg/L	"	HNO_3/4°C
82079	Turbidity		SM 214A	1.20	NTU	"	4°C
00940	Chloride		SM 407A	6.0	mg/L	"	4°C
70300	TDS		SM 209B	174	mg/L	"	4°C
00400	pH		EPA 150.1	7.73	Std.units	"	Field
01045	Iron		EPA 236.1	<0.1	mg/L	"	HNO_3/4°C
00945	Sulfate		EPA 375.4	0.19	mg/L	"	4°C
00010	Temp.		SM 212	23°	°C	"	Field
00680	TOC		EPA 415.1	<0.80	mg/L	"	H_2SO_4/4°C
00095	Spec.Conduc		SM 205	248	mhos/cm	"	Field
00410	Bicarbonate		SM 403	192	mg/L	"	4°C
~~72020~~	~~Water Level~~			28.28	Feet	"	Field

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

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QUARTERLY REPORT ON GROUND WATER MONITORING
Rule 17-4.245(6)(k)2.

GMS # 4051M30035 DATE

DER PERMIT # 5051-182279

Hays Road Class III Landfill
Installation Name

1275 Hays Rd. Spring Hill, FL. 34610
Address City State Zip County

Candia Mulhern — Laboratory Supervisor
Owner or Authorized Representative's Name Title

Method of Discharge

Type of Industry ~~Class III Landfill~~

Report for Period Jan '91 (date) to Mar '91 (date)

Attach monitoring data as approved in monitoring plan using parameter monitoring report forms. When applicable, attach additional sheets describing any changes in the background water quality and the discharge plume since the last reported description. Include any changes in size, direction of movement, rate of movement, and concentration changes of plume constituents in violation of the applicable standards.

NOTE: Pursuant to Rule 17-4.245(6)(k)3., at any time there is a change in the permitted volume, location or chemical, physical or microbiological composition of the discharge plume, the permittee shall notify the department and, if required by the department, submit a new report stating the volume and chemical, physical and microbiological compositions of the discharge at the point of release or contact with the ground water at the site boundary.

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Candia E. Mulhern — 01/16/91
Owner or Authorized Representative's Signature Date

Northwest District 160 Governmental Center Pensacola, Florida 32501-5794
Northeast District 3426 Bills Rd. Jacksonville, Florida 32207
Central District 3319 Maguire Blvd. Suite 232 Orlando, Florida 32803-3767
Southwest District 4520 Oak Fair Blvd. Tampa, Florida 33610-7347
South District 2269 Bay St. Fort Myers, Florida 33901-2896
Southeast District 1900 S. Congress Ave., Suite A West Palm Beach, Florida 33406