TABLE A -- Monitor Well Construction Details, Sumter County Closed Class I Landfill

Well #	Elevation (feet NGVD)						Screen Length (ft)	Total Depth (ft)	Lithology Encountered (feet below land surface)
	Top of Casing	Ground Surface	Top of Screen	Bottom of Screen	Maximum Water Level	Minimum Water Level			
MW-1	70.17	69	44.9	39.9	48.19	41.17	5	30.27	0 - 10 Sand
									10 - 15 Sandy clay
									15 - 22 Clay
									22 - 32 Limestone
MW-2	74.14	72.47	44.07	39.07	50.83	36.64	5	35.07	0 - 10 Sand
	(69.13)*	(69.13)*						(30.06)*	10 - 18 Sandy clay
									18 - 30 Clay
									30 - 37 Limestone
MW-2A	72.11	69.35	27.35	22.35	47.66	41.77	5	47	0 - 25 Sand
									25 - 34 Sandy clay
									34 - 35 Clayey sand
									35 - 43 Sandy clay
									43 - 47 Limestone
MW-4	70.36	68.48	40.67	35.67	50.86	41.28	5	34.69	0 - 10 Sand
									10 - 20 Sandy clay
									20 - 30 Clay
									30 - 37 Limestone
MW-4A	75.73	72.78	36.78	31.78	47.63	41.74	5	41	0 - 20 Sand
									20 - 30 Clayey sand
									30 - 34 Sandy clay
									34 - 41 Limestone
MW-4B	73.83	70.83	38.83	33.83	47.64	41.76	5	37	0 - 25 Sand
									25 - 30 Sandy clay
									30 - 37 Limestone
MW-6A	77.34	75.67	25.47	20.47	51.52	41.12	5	56.87	0 - 20 Sand
									20 - 29 Clay with limestone fragments
									29 - 51 Limestone
MW-7	73.14	71.27	22.28	17.28	51.09	41.47	5	55.68	0 - 20 Sand
									20 - 25 Sand and clay
									25 - 28 Clay and sand
									28 - 31 Limestone
									31 - 34 Clay
									34 - 51 Limestone
MW-8	69.26	68.09	30.41	25.41	52.31	40.96	5	41	0 - 24 Sand
									24 - 34 Sandy clay
									34 - 41 Limestone
MW-9	71.95	70.37	29.15	24.15	50.86	41.55	5	46	0 - 26 Sand
									26 - 32 Sandy clay
									32 - 46 Limestone
MW-9A	74.26	72.91	34.91	24.91	49.87	40.76	10	48	0 - 22 Sand & clay
									22 - 37 Sandy clay
									37 - 47 Limestone
MW-10	68.28	65.74	33.74	23.74	51.24	41.78	10	42	0 - 17 Sand to clayey sand
									17 - 27 Sandy clay to clay
									27 - 32 No return
									32 - 42 Limestone
MW-11	70.21	66.85	39.85	29.85	50.61	41.67	10	37	0 - 27 Sand to clayey sand
									27 - 32 Clay
									32 - 42 Limestone

Notes:

- Top of casing elevations and screen lengths from Central Testing Laboratory, Ground Water Monitoring Plan Evaluation (Section 2.0, Table 1), received March 5, 2003
- Ground surface elevations for MW-1, MW-2, MW-4, MW-6A and MW-7 from "Second Response to Request for Additional Information", prepared by Springstead Engineering, Inc., dated and received July 29, 1992, Appendix B.
- Top/bottom of screen elevations for MW-1, MW-2, MW-4, MW-6A and MW-7 calculated using ground surface elevations and well construction details from "Second Response to Request for Additional Information", prepared by Springstead Engineering, Inc., dated and received July 29, 1992, Appendix B.
- Screen length and total depth for MW-1, MW-2, MW-4, MW-6A and MW-7 from "Second Response to Request for Additional Information", prepared by Springstead Engineering, Inc., dated and received July 29, 1992, Appendix B.
- Screen length and total depth for MW-8 and MW-9 from Central Testing Laboratory, Ground Water Monitoring Plan Evaluation (Section 2.0, Table 1), received March 5, 2003
- Lithology encountered from Central Testing Laboratory, Ground Water Monitoring Plan Evaluation (Appendix I), received March 5, 2003

* = new top of casing elevation at well MW-2 following excavation activities; land surface elevation and total depth adjusted to reflect the new well configuration

- Construction details and lithology for MW-2A, -4A, -4B, -9A, -10 and -11 presented in PCAR document, prepared by The Colinas Group, Inc., received 1/24/05
- Maximum and minimum ground water elevations for available period of record for sampling events conducted between 7/99 and 3/11 reported by Sumter County

Morris, John R.

From: Rick Potts [rickpotts@cfl.rr.com]
Sent: Tuesday, September 06, 2011 11:12 AM
To: Morris, John R.
Subject: Sumter County Closed Landfill
Attachments: Sumter4A-4BLogs.pdf

John,

Well Completion Reports and logs for wells 4A and 4B are attached as submitted to the Department in the PCAR.

Let me know if you need anything else that we can provide.

Thanks,

Richard L. Potts, Jr., P.G.
Principal Geologist
THE COLINAS GROUP, INC.
377 Maitland Avenue
Suite 2012
Altamonte Springs, FL 32701
Office: (407) 622-8176
Fax: (407) 622-8196
Cell: (407) 620-5779
email: rickpotts@cfl.rr.com

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date
DEP Application No.
(Filled in by DEP)

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

MONITOR WELL COMPLETION REPORT

DATE: January 16, 2004

INSTALLATION NAME: Sumter County Closed Landfill

DEP PERMIT NUMBER: 22926-003-SF GMS NUMBER:

WELL NUMBER: MW-4A WELL NAME: MW-4A

DESIGNATION: Background Immediate Compliance Other (PCAP)

LATITUDE/LONGITUDE: N284439.19336 / W820527.79582

AQUIFER MONITORED: Floridan

INSTALLATION METHOD: Hollow-stem auger

INSTALLED BY: Environmental Drilling Services, Inc.

TOTAL DEPTH: 41 ft. (bls) DEPTH OF SCREEN: 36 – 41 ft. (bls)

SCREEN LENGTH: 5 ft. SCREEN SLOT SIZE: 0.010 in. SCREEN TYPE: Sch 40 PVC

CASING DIAMETER: 2 in. CASING TYPE: Sch 40 PVC

LENGTH OF CASING: 36 ft. FILTER PACK MATERIAL: 20/30 silica sand

TOP OF CASING ELEVATION (MSL): 75.73 ft.

GROUND SURFACE ELEVATION (MSL): 72.78 ft.

COMPLETION DATE: November 15, 2004

DESCRIBE WELL DEVELOPMENT: Pump and surge with electric submersible pump.

POST DEVELOPMENT WATER LEVER ELEVATION (MSL): 47.27 ft.

DATE AND TIME MEASURED: 11-29-04 1005

REMARKS: (soils information, stratigraphy, etc.) : See attached geologist's log.

REPORT PREPARED BY: Richard L. Potts, Jr., P.G. / The Colinas Group, Inc. / (407) 622-8176
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface

THE COLINAS GROUP, INC.
TEST BORING LOG

Project Name: Sumter County Landfill
TCG Project No: P-257.2

Logged By: D. Claytor
Date: 11-15-04
Page:

Well Location No: MW-4A
Method: Hollow-stem auger

Depth Interval (feet bls)	Sediment Description
0 - 4	grey, **slightly silty v. fine sand**, roots in upper foot
8 - 10	tan **v. fine sand**, tr. coarse sand, mod. well-sorted
13 - 15	dk. brown to reddish brn. **silty v. fine - fine sand**, well-sorted
18 - 20	tan to white **v. fine sand**, tr. crse. sand, tr.phosphate sand
23 - 25	tan to reddish **clayey v. fine sand**, tr. phosphate sand
28 - 30	same as above, damp to wet
33 - 34	tan to white **sandy clay**, soft, very wet
34 - 35	tan **limestone**, hard
38 - 40	same as above
41	end of boring

ENVIRONMENTAL DRILLING SERVICE, INC.

WELL COMPLETION LOG

Location:. Sumter County Landfill — **Work Order #** 4970

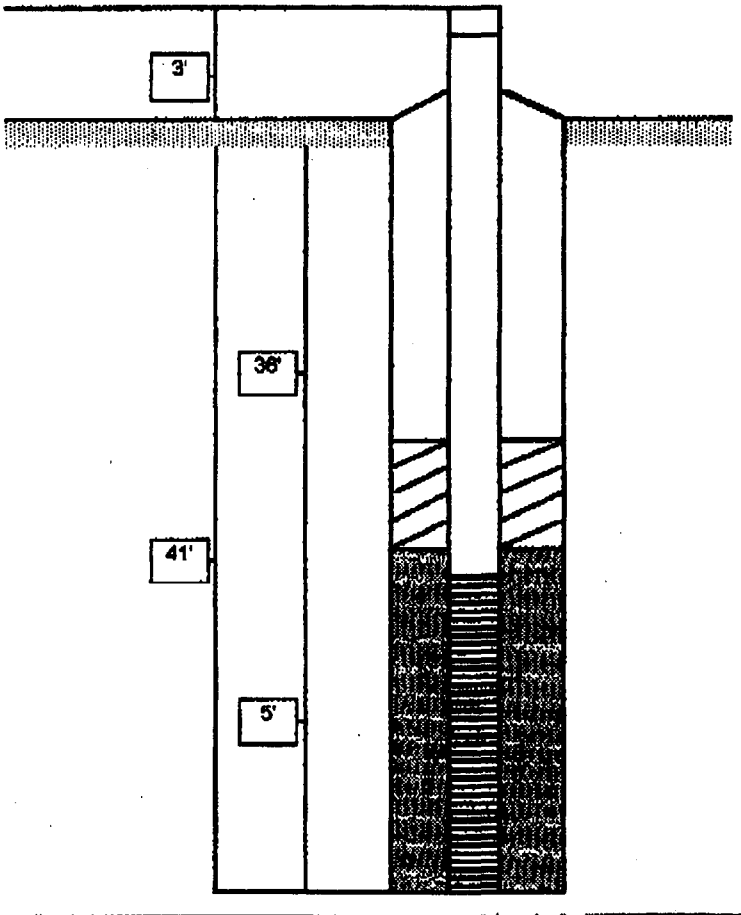
Bushnell FL.

Client:. Colinas Group — **Date:** November 15th, 2004

Well No. MW# 4A — **Contact:** Rick Potts

Installed By: Mike Miller

Other Services Performed:



_____ Flush Manhole

__X__ Above Grade Protector

_____ None

Concrete 2 Bags

Cement Grout 8 Bags

Riser: Type PVC

Size 2"

Seal 1 bag 30/65

Screen: Type PVC

Size 2".010 slot

Filter Type 4 bags 20/30

Development: Bailed _____ Pumped __X__ Air Lift _____ Surge _____ Swab _____ None _____

Total Time: 30 minutes — **Total Gallons:** 45 gallons

Water Appearance Start: cloudy — Finish: clear

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date _____
DEP Application No. _____ (Filled in by DEP)

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

MONITOR WELL COMPLETION REPORT

DATE: January 16, 2004

INSTALLATION NAME: Sumter County Closed Landfill

DEP PERMIT NUMBER: 22926-003-SF GMS NUMBER: _____

WELL NUMBER: MW-4B WELL NAME: MW-4B

DESIGNATION: Background _____ Immediate _____ Compliance Other (PCAP)

LATITUDE/LONGITUDE: N284440.46248 / W820527.01841

AQUIFER MONITORED: Floridan

INSTALLATION METHOD: Hollow-stem auger

INSTALLED BY: Environmental Drilling Services, Inc.

TOTAL DEPTH: 37 ft. (bls) DEPTH OF SCREEN: 32 – 37 ft. (bls)

SCREEN LENGTH: 5 ft. SCREEN SLOT SIZE: 0.010 in. SCREEN TYPE: Sch 40 PVC

CASING DIAMETER: 2 in. CASING TYPE: Sch 40 PVC

LENGTH OF CASING: 32 ft. FILTER PACK MATERIAL: 20/30 silica sand

TOP OF CASING ELEVATION (MSL): 73.83 ft.

GROUND SURFACE ELEVATION (MSL): 70.83 ft.

COMPLETION DATE: November 16, 2004

DESCRIBE WELL DEVELOPMENT: Pump and surge with electric submersible pump.

POST DEVELOPMENT WATER LEVER ELEVATION (MSL): 45.60 ft.

DATE AND TIME MEASURED: 01-18-05 0910

REMARKS: (soils information, stratigraphy, etc.) : See attached geologist's log.

REPORT PREPARED BY: Richard L. Potts, Jr., P.G. / The Colinas Group, Inc. / (407) 622-8176
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface

THE COLINAS GROUP, INC.
TEST BORING LOG

Project Name: Sumter County Landfill
TCG Project No: P-257.2

Logged By: D. Claytor
Date: 11-15-04
Page:

Well Location No: MW-4B
Method: Hollow-stem auger

Depth Interval (feet bls)	Sediment Description
0 - 2	grey, **slightly silty v. fine sand**, roots in upper foot
2 - 4	tan **v. fine sand**, well-sorted
8 - 10	orange-brown **v. fine sand**, tr. coarse sand, mod. well-sorted
13 - 14	dk. brown **sl. silty v. fine - fine sand**, well-sorted
14 - 15	lt. brown, **sl. clayey v. fine sand**
18 - 20	tan to white, **clayey v. fine sand**
23 - 25	tan to white **v. fine - fine sand**, tr. phosphate sand, wet
28 - 30	tan to lt. brn, **sandy clay**, tr. phosphate sand
33 - 37	white limestone, hard
37	end of boring

ENVIRONMENTAL DRILLING SERVICE, INC.

WELL COMPLETION LOG

Location:. Sumter County Landfill
Bushnell FL

Work Order # 4970

Client:. Colinas Group

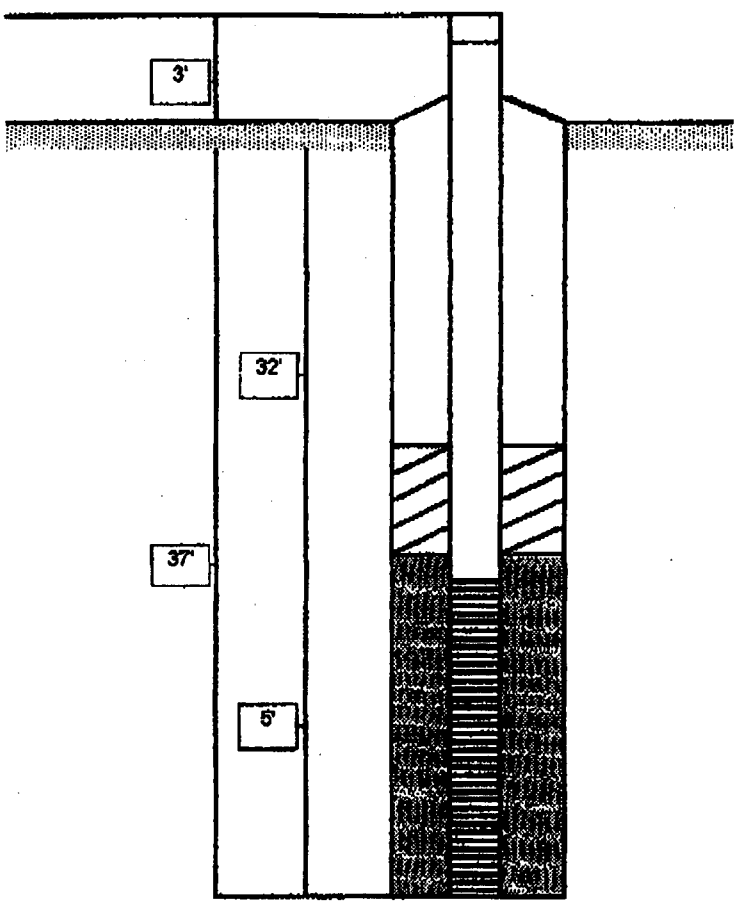
Date: November 15th, 2004

Well No. MW# 4B

Contact: Rick Potts

Installed By: Mike Miller

Other Services Performed:



____ Flush Manhole

X Above Grade Protector

____ None

Concrete 2 Bags

Cement Grout 6 Bags

Riser: Type PVC
Size 2'

Seal 1 bag 30/65

Screen: Type PVC
Size 2".010 slot

Filter Type 10 bags 20/30

Development: Bailed ____ Pumped X Air Lift ____ Surge ____ Swab ____ None ____

Total Time: 30 minutes

Total Gallons: 45 gallons

Water Appearance Start: cloudy

Finish: clear

THE COLINAS GROUP, INC.
HYDROGEOLOGISTS & ENGINEERS

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
JAN 24 2005
SOUTHWEST DISTRICT
TAMPA

January 20, 2005

Florida Department of Environmental Protection
Southwest District
3804 Coconut Palm Drive
Tampa, FL 33619

Attn: Deborah A. Getzoff, District Director

Subj: Submission of Preliminary Contamination Assessment Report
Sumter County Closed Class I Landfill
Consent Order/OGC File No. 04-0131
Board of County Commissioners
Sumter County, Florida

Dear Ms. Getzoff:

On behalf of the Sumter County Board of County Commissioners The Colinas Group, Inc. herewith submits two (2) signed and sealed original copies of the report entitled:

Preliminary Contamination Assessment Report (PCAR), Sumter County Closed Class I Landfill, Sumter County, Florida.

The report is submitted in satisfaction of Item 9 and Item 10 of the Consent Order between the Department and the Sumter County Board of County Commissioners and the requirements of the Preliminary Contamination Assessment Plan approved by the Department.

The PCAR was prepared by The Colinas Group, Inc. for Kessler Consulting, Inc. on behalf of Sumter County. The report is signed and sealed by the professional geologist responsible for its preparation.

509 N. Virginia Avenue, Winter Park, FL 32789 • (407) 622-8176 • Fax: (407) 622-8196

If you have any questions concerning this submittal, please do not hesitate to contact Sumter County (Bernard Dew (352) 793-0200 or Chuck Jett (352) 793-3368) or myself at your convenience.

Very truly yours,
THE COLINAS GROUP, INC.

1/24/08

Richard L. Potts, Jr., P.G.
Principal Consultant
FL P.G. Reg. No.1113

cc: Susan Pelz, P.E., FDEP
Stephanie Petro, FDEP
Bernard Dew, Sumter county
Chuck Jett, Sumter County
Miriam Zimms, Kessler Consulting, Inc.

7.0 CONCLUSIONS 16
7.1 Constituents of Concern
7.2 Source(s) and Extent of Contaminant
7.3 Imminent Hazards
7.4 Potential Resource Impact Assessment

TABLES

FIGURES

APPENDIX

1 Analytical Laboratory Reports
2 Field Sampling Logs
3 Monitoring Well Construction Records
4 Standard Penetration Test Boring Logs
5 Compost Analytical Test Results
6 Historical Groundwater Contour Maps
7 Surveying Data

* * * * *

MONITORING WELL
CONSTRUCTION RECORDS

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date
DEP Application No. (Filled in by DEP)

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

MONITOR WELL COMPLETION REPORT

DATE: January 16, 2004

INSTALLATION NAME: Sumter County Closed Landfill

DEP PERMIT NUMBER: 22926-003-SF GMS NUMBER:

WELL NUMBER: MW-2A WELL NAME: MW-2A

DESIGNATION: Background Immediate Compliance Other (PCAP)

LATITUDE/LONGITUDE: N284431.89308 / W820528.28373

AQUIFER MONITORED: Floridan

INSTALLATION METHOD: Hollow-stem auger

INSTALLED BY: Environmental Drilling Services, Inc.

TOTAL DEPTH: 47 ft. (bls) DEPTH OF SCREEN: 42 – 47 ft. (bls)

SCREEN LENGTH: 5 ft. SCREEN SLOT SIZE: 0.010 in. SCREEN TYPE: Sch 40 PVC

CASING DIAMETER: 2 in. CASING TYPE: Sch 40 PVC

LENGTH OF CASING: 42 ft. FILTER PACK MATERIAL: 20/30 silica sand

TOP OF CASING ELEVATION (MSL): 77.21 ft. 72.11 AS PER SURVEY INFO IN APP 7

GROUND SURFACE ELEVATION (MSL): 69.35 ft.

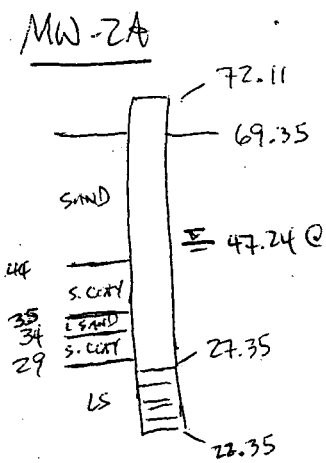
COMPLETION DATE: November 16, 2004

DESCRIBE WELL DEVELOPMENT: Pump and surge with electric submersible pump.

POST DEVELOPMENT WATER LEVER ELEVATION (MSL): 47.24 ft.

DATE AND TIME MEASURED: 11-29-04 0935

REMARKS: (soils information, stratigraphy, etc.): See attached geologist's log.



REPORT PREPARED BY: Richard L. Potts, Jr., P.G. / The Colinas Group, Inc. / (407) 622-8176
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface

ENVIRONMENTAL DRILLING SERVICE, INC.

WELL COMPLETION LOG

Location:. Sumter County Landfill
Bushnell FL

Work Order # 4970

Client:. Collnas Group

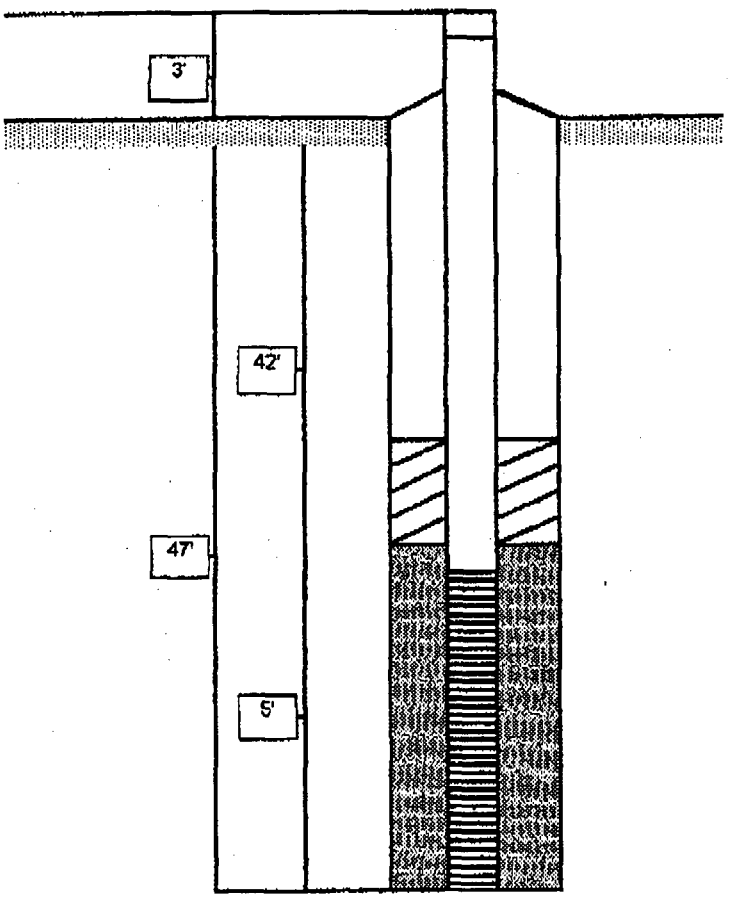
Date: November 16th, 2004

Well No. MW# 2A

Contact: Rick Potts

Installed By: Mike Miller

Other Services Performed:



___ Flush Manhole

X Above Grade Protector

___ None

Concrete 2 Bags

Cement Grout 6 Bags

Riser: Type PVC
Size 2"

Seal 1 bag 30/65

Screen: Type PVC
Size 2",010 slot

Filter Type 4 bags 20/30

Development: Bailed ___ Pumped X Air Lift ___ Surge ___ Swab ___ None ___

Total Time: 30 minutes

Total Gallons: 45 gallons

Water Appearance Start: cloudy

Finish: clear

LOG OF BORINGS

Location: Sumter County Landfill
Bushnell FL.
Client: Colinas Group
Work Order # 4970
Sample Method: Splitspoon
Static water Level: 23'

Driller Mike Miller
Drill Crew Cory, John
Boring begin date November 18th, 2004
Boring # MW# 2A
Boring Method: Auger **Rig:** BK-81

Sample #	Sample Depth	N. Value	Sample Type	Water Presence	Description/remarks
1	8-10'	5,4,4,6	Splitspoon	Dry	Lt. Brn. Tan Fn. Sand
2	13-15'	5,6,8,8			Dk. Brn Fn. Organic Sand
3	18-20'	4,4,3,4			Tan/White Fn. Sand
4	23-25'	8,11,12,15		Wet	Tan Clayey Fn. Sand
5	28-30'	6,7,5,7			Tan Clayey Sand
6	33-35'	1,3,6,5			
7	38-40'	1,1,1,1			Limestone
8	43-45'	3,3,7,9			45.0' EOB

DEP Form # 62-522.900(3)
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Effective Date
DEP Application No. (Filled in by DEP)

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

MONITOR WELL COMPLETION REPORT

DATE: January 16, 2004

INSTALLATION NAME: Sumter County Closed Landfill

DEP PERMIT NUMBER: 22926-003-SF GMS NUMBER:

WELL NUMBER: MW-4A WELL NAME: MW-4A

DESIGNATION: Background Immediate Compliance Other (PCAP)

LATITUDE/LONGITUDE: N284439.19336 / W820527.79582

AQUIFER MONITORED: Floridan

INSTALLATION METHOD: Hollow-stem auger

INSTALLED BY: Environmental Drilling Services, Inc.

TOTAL DEPTH: 41 ft. (bls) DEPTH OF SCREEN: 36 – 41 ft. (bls)

SCREEN LENGTH: 5 ft. SCREEN SLOT SIZE: 0.010 in. SCREEN TYPE: Sch 40 PVC

CASING DIAMETER: 2 in. CASING TYPE: Sch 40 PVC

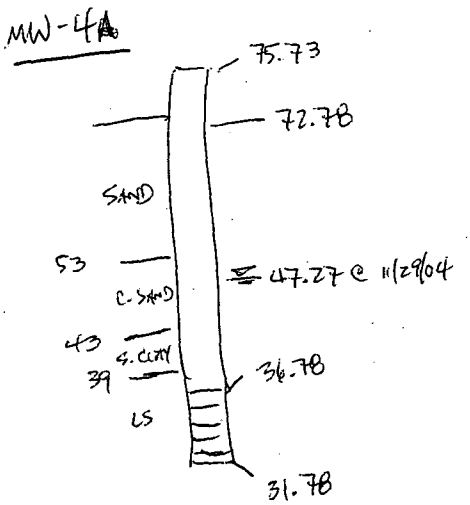
LENGTH OF CASING: 36 ft. FILTER PACK MATERIAL: 20/30 silica sand

TOP OF CASING ELEVATION (MSL): 75.73 ft.

GROUND SURFACE ELEVATION (MSL): 72.78 ft.

COMPLETION DATE: November 15, 2004

DESCRIBE WELL DEVELOPMENT: Pump and surge with electric submersible pump.



POST DEVELOPMENT WATER LEVER ELEVATION (MSL): 47.27 ft.

DATE AND TIME MEASURED: 11-29-04 1005

REMARKS: (soils information, stratigraphy, etc.) : See attached geologist's log.

REPORT PREPARED BY: Richard L. Potts, Jr., P.G. / The Colinas Group, Inc. / (407) 622-8176
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface

ENVIRONMENTAL DRILLING SERVICE, INC.

WELL COMPLETION LOG

Location:. Sumter County Landfill
Bushnell FL.

Work Order # 4970

Client:. Colinas Group

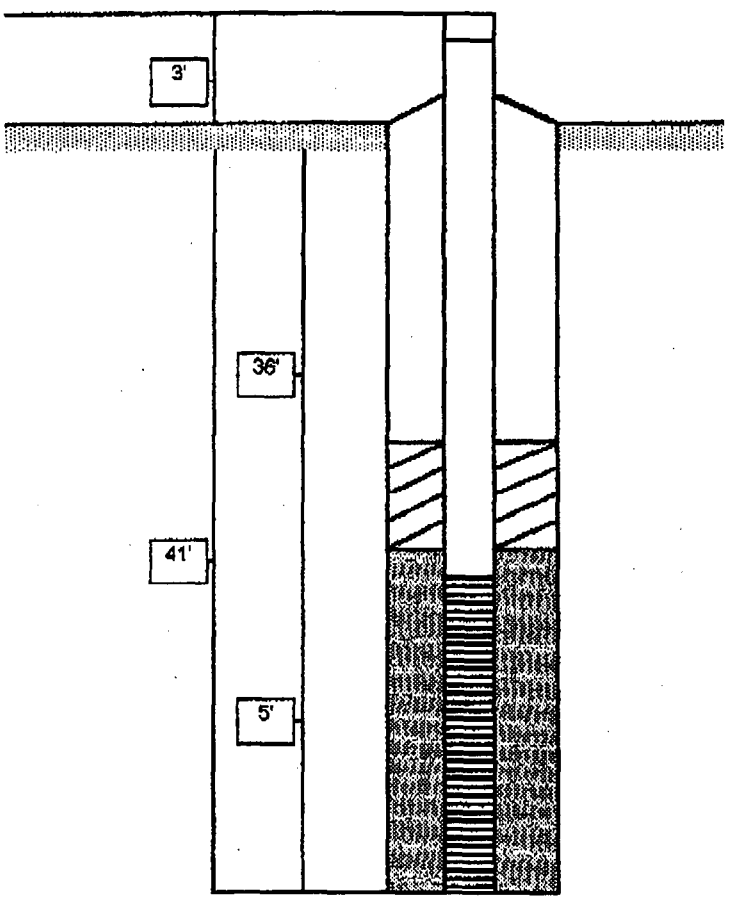
Date: November 15th, 2004

Well No. MW# 4A

Contact: Rick Potts

Installed By: Mike Miller

Other Services Performed:



____ Flush Manhole

__X__ Above Grade Protector

____ None

Concrete 2 Bags

Cement Grout 8 Bags

Riser: Type PVC
Size 2"

Seal 1 bag 30/65

Screen: Type PVC
Size 2".010 slot

Filter Type 4 bags 20/30

Development: Bailed ____ Pumped __X__ Air Lift ____ Surge ____ Swab ____ None ____

Total Time: 30 minutes

Total Gallons: 45 gallons

Water Appearance Start: cloudy

Finish: clear

LOG OF BORINGS

Location: Sumter County Landfill
Bushnell FL.
Client: Colinas Group
Work Order # 4970
Sample Method: Splitspoon
Static water Level: 23'

Driller Mike Miller
Drill Crew Cory, John
Boring begin date November 15th, 2004
Boring # MW# 4A
Boring Method: Auger **Rig:** BK-81

Sample #	Sample Depth	N. Value	Sample Type	Water Presence	Description/remarks
1	8-10'	4,4,5,5	Splitspoon	Dry	Tan Fn. Sand
2	13-15'	3,4,4,5			Reddish Brn. Silty Sand
3	18-20'	12,13,12,13			White Fn. Sand
4	23-25'	5,4,4,5		Wet	Tan Clay Tr. Sand
5	28-30'	3,2,3,3			Tan Clayey Sand
6	33-35'	3,3,4,50+			Limestone
7	38-40'	28,50,100+			Limestone 40.0' EOB

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date
DEP Application No. (Filled in by DEP)

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

MONITOR WELL COMPLETION REPORT

DATE: January 16, 2004

INSTALLATION NAME: Sumter County Closed Landfill

DEP PERMIT NUMBER: 22926-003-SF GMS NUMBER:

WELL NUMBER: MW-4B WELL NAME: MW-4B

DESIGNATION: Background Immediate Compliance Other (PCAP)

LATITUDE/LONGITUDE: N284440.46248 / W820527.01841

AQUIFER MONITORED: Floridan

INSTALLATION METHOD: Hollow-stem auger

INSTALLED BY: Environmental Drilling Services, Inc.

TOTAL DEPTH: 37 ft. (bls) DEPTH OF SCREEN: 32 – 37 ft. (bls)

SCREEN LENGTH: 5 ft. SCREEN SLOT SIZE: 0.010 in. SCREEN TYPE: Sch 40 PVC

CASING DIAMETER: 2 in. CASING TYPE: Sch 40 PVC

LENGTH OF CASING: 32 ft. FILTER PACK MATERIAL: 20/30 silica sand

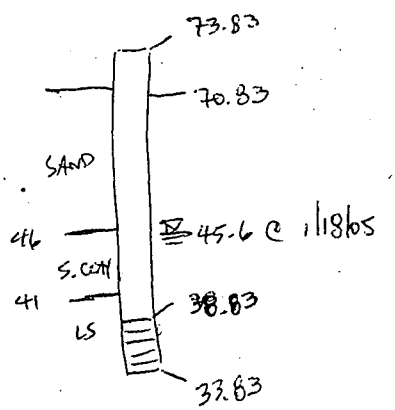
TOP OF CASING ELEVATION (MSL): 73.83 ft.

GROUND SURFACE ELEVATION (MSL): 70.83 ft.

COMPLETION DATE: November 16, 2004

DESCRIBE WELL DEVELOPMENT: Pump and surge with electric submersible pump.

MW-4B



POST DEVELOPMENT WATER LEVER ELEVATION (MSL): 45.60 ft.

DATE AND TIME MEASURED: 01-18-05 0910

REMARKS: (soils information, stratigraphy, etc.) : See attached geologist's log.

REPORT PREPARED BY: Richard L. Potts, Jr., P.G. / The Colinas Group, Inc. / (407) 622-8176
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface

ENVIRONMENTAL DRILLING SERVICE, INC.
WELL COMPLETION LOG

Location:. Sumter County Landfill
Bushnell FL.

Work Order # 4970

Client:. Colinas Group

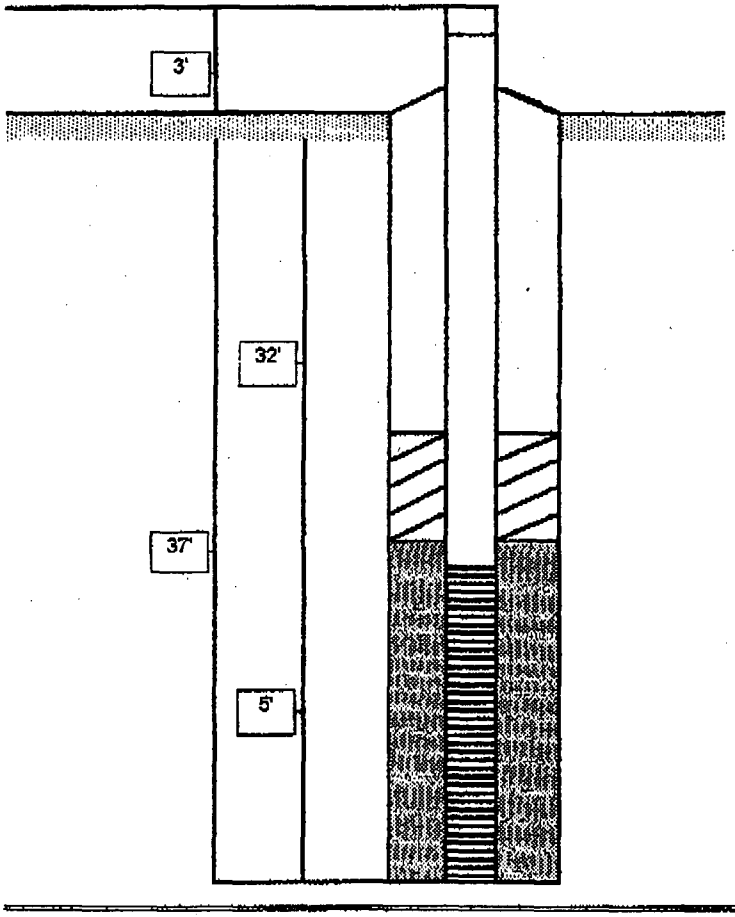
Date: November 15th, 2004

Well No. MW# 4B

Contact: Rick Potts

Installed By: Mike Miller

Other Services Performed:



____ Flush Manhole

__X__ Above Grade Protector

____ None

Concrete 2 Bags

Cement Grout 6 Bags

Riser: Type PVC
Size 2"

Seal 1 bag 30/65

Screen: Type PVC
Size 2",010 slot

Filter Type 10 bags 20/30

Development: Bailed ____ Pumped X Air Lift ____ Surge ____ Swab ____ None ____

Total Time: 30 minutes

Total Gallons: 45 gallons

Water Appearance Start: cloudy

Finish: clear

LOG OF BORINGS

Location: Sumter County Landfill
Bushnell FL.
Client: Colinas Group
Work Order # 4970
Sample Method: Splitspoon
Static water Level: 23'

Driller Mike Miller
Drill Crew Cory, John
Boring begin date November 15th, 2004
Boring # MW# 4B
Boring Method: Auger **Rig:** BK-81

Sample #	Sample Depth	N. Value	Sample Type	Water Presence	Description/remarks
1	8-10'	8,5,5,7	Splitspoon	Dry	Brn. Fn. Silty Sand
2	13-15'	13,9,12,11			Brn/Dk.Brn fn. Sandy Clay
3	18-20'	7,10,15,12			Tan/White Clay Tr. Sand
4	23-25'	1,3,1,1		Wet	White/Tan Sand
5	28-30'	1,1,1,1			Tan Clayey Sand
6	33-35'	47,41,43,35			Limestone

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date
DEP Application No. (Filled in by DEP)

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

MONITOR WELL COMPLETION REPORT

DATE: September 8, 2004

INSTALLATION NAME: Sumter County Closed Landfill

DEP PERMIT NUMBER: 22926-003-SF GMS NUMBER:

WELL NUMBER: MW-9A WELL NAME: MW-9A

DESIGNATION: Background Immediate Compliance X

LATITUDE/LONGITUDE:

AQUIFER MONITORED: Upper Floridan

INSTALLATION METHOD: Hollow-Stem Auger

INSTALLED BY: Environmental Drilling Service, Inc., Orlando, Florida

TOTAL DEPTH: 48.0 ft. (bls) DEPTH OF SCREEN: 48.0 ft. (bls)

SCREEN LENGTH: 10.0 ft. SCREEN SLOT SIZE: 0.010 in. SCREEN TYPE: PVC

CASING DIAMETER: 2.0 in. CASING TYPE: PVC

LENGTH OF CASING: 38.0 ft. bls FILTER PACK MATERIAL: 20/30 silica sand

TOP OF CASING ELEVATION (MSL): 74.26 ft. + NGVD

GROUND SURFACE ELEVATION (MSL): 72.91 ft. + NGVD

COMPLETION DATE: August 19, 2004

DESCRIBE WELL DEVELOPMENT: Pump and surge with electric submersible pump

POST DEVELOPMENT WATER LEVER ELEVATION (MSL): 38.06 ft. + NGVD

DATE AND TIME MEASURED: August 20, 2004 / 0935 hrs.

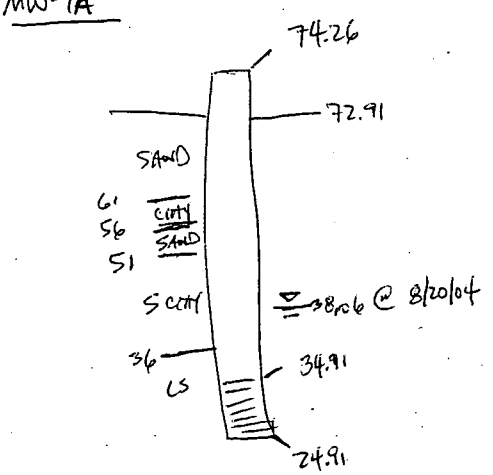
REMARKS: (soils information, stratigraphy, etc.) : Top of limestone (weathered) encountered at about 36 ft. to 38 ft. bls. Soft limestone from 38 ft. to 42 ft. bls. Refusal at 45 ft. bls.

REPORT PREPARED BY: Richard L. Potts,. Jr., P.G. / The Colinas Group, Inc. / (407) 622-8176
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface

MW-9A


74.26
72.91
SAND
61
56
51
CLAY
SAND
SCLAY
38.06 @ 8/20/04
36
LS
34.91
24.91

GROUNDWATER MONITORING WELL
COMPLETION REPORT

Date: September 8, 2004

Facility Name: Sumter County Landfill

835 C.R.529, Bushnell, Fl

FDEP Permit Number: 22926-003-SF

Well No.: MW-9A

Well Type: Groundwater Monitoring

Date Installed: 8-19-04

Drilling Method: Hollow-Stem Auger

Record By: Richard L. Potts, Jr., P.G.

Installed By: Environmental Drilling Svs., Inc.

The Colinas Group, Inc.,

Orlando, Florida

Casing Dia: 2 inches

Casing Type: Sched. 40 PVC

Total Depth: 48.0 ft.

Borehole Dia: nom. 6"

Screen Type: Sched. 40 PVC

Screen Length: 10 ft.

Screen Slot-Size: 0.010"

Screen Interval: 38.0 To 48.0 (feet bls).

Gravel Pack: Type: 20/30 silica sand

From: 36.0 To 48.0 (feet bls).

Annular Grout: Type: neat cement (II)

From: 0.0 To 36.0 (feet bls).

Measuring Point: top of casing

Measuring Point Elev.: 74.26 (ft.NGVD)

Well Development Method: Pump and surge

Aquifer Monitored: Upper Floridan

Attach As-Built Well Construction Diagram

The COLINAS Group, Inc.
Winter Park - Lakeland - Sarasota
Voice: (407)622-8176 Fax: (407)622-8196

ENVIRONMENTAL DRILLING SERVICE, INC.
WELL COMPLETION LOG

Location:. Sumter County Landfill — Work Order # 4866

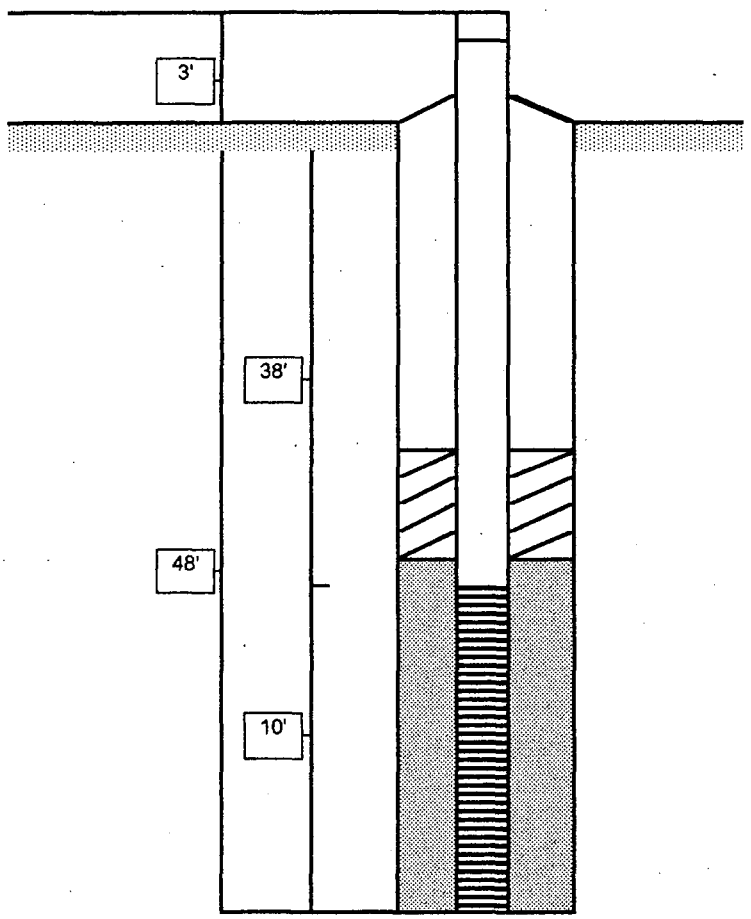
835 CR. 529, Bushnell FL.

Client:. Colinas Group — Date: August 19,2004

Well No. MW#-9A — Contact: Rick Potts

Installed By: Mike Miller, Cory, Stephen

Other Services Performed:



____ Flush Manhole

_X_ Above Grade Protector

____ None

Concrete 2 Bags

Cement Grout 6 Bags

Riser: Type PVC
Size 2"

Seal 1 bag 30/65 Sand

Screen: Type PVC
Size 2" .010 slot

Filter Type 10 bags 20/30 Sand

Development: Bailed ____ Pumped _X_ Air Lift ____ Surge ____ Swab ____ None ____

Total Time: 30 minutes — Total Gallons: 10 gallons, slow recharge

Water Appearance Start: cloudy — Finish: clear

LOG OF BORINGS

Location:	Sumter County Landfill	**Driller**	Mike Miller
	Bushnell FL.	**Drill Crew**	Cory, Stephen
Client:	Colinas Group	**Boring begin date**	8/18/2004
Work Order #	4866	**Boring #**	MW-9A
Sample Method:	Split Spoon	**Boring Method:**	Auger **Rig:** BK-81
Static water Level:	37'		

Sample #	Sample Depth	N. Value	Sample Type	Water Presence	Description/remarks
1	10-12'	2,3,3,1	Split spoon		Brn. Med./fn. Sandw/ Lt. Gr/Brn Clay l
2	15-17'	4,6,6,6			Red Gr. Clay
3	20-22'	31,50+			Lt. Gr./Brn Fn Sand
4	25-27'	7,11,18,15			Lt. Gr. Sandy Clay
5	30-32'	8,14,16,18			Same
6	35-37'	5,5,7,8		Wet	Lt./Gr Sandy Clay w/Limestone Frag.
7	40-42'	1,1,1,1			Limestone
8	45-47'	50+			Same 47.0' EOB

Environmental Drilling Service, Inc.

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date
DEP Application No. (Filled in by DEP)

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

MONITOR WELL COMPLETION REPORT

DATE: September 8, 2004

INSTALLATION NAME: Sumter County Closed Landfill

DEP PERMIT NUMBER: 22926-003-SF GMS NUMBER:

WELL NUMBER: MW-10 WELL NAME: MW-10

DESIGNATION: Background Immediate Compliance X

LATITUDE/LONGITUDE:

AQUIFER MONITORED: Upper Floridan

INSTALLATION METHOD: Hollow-Stem Auger

INSTALLED BY: Environmental Drilling Service, Inc., Orlando, Florida

TOTAL DEPTH: 42.0 ft. (bls) DEPTH OF SCREEN: 42.0 ft. (bls)

SCREEN LENGTH: 10.0 ft. SCREEN SLOT SIZE: 0.010 in. SCREEN TYPE: PVC

CASING DIAMETER: 2.0 in. CASING TYPE: PVC

LENGTH OF CASING: 32.0 ft. bls FILTER PACK MATERIAL: 20/30 silica sand

TOP OF CASING ELEVATION (MSL): 68.28 ft. + NGVD

GROUND SURFACE ELEVATION (MSL): 65.74 ft. + NGVD

COMPLETION DATE: August 19, 2004

DESCRIBE WELL DEVELOPMENT: Pump and surge with electric submersible pump

POST DEVELOPMENT WATER LEVER ELEVATION (MSL): 34.63 ft. + NGVD

DATE AND TIME MEASURED: August 20, 2004 / 1125 hrs.

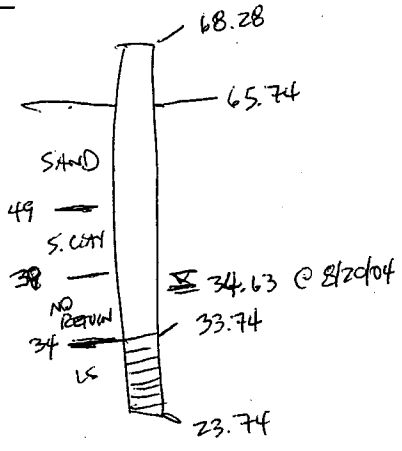
REMARKS: (soils information, stratigraphy, etc.) : Top of limestone (weathered) encountered at about 29.0 ft. bls. Soft limestone from 29 ft. to 33 ft. bls. Hard competent limestone encountered from 33 ft. to 40 ft. bls.

REPORT PREPARED BY: Richard L. Potts, Jr., P.G. / The Colinas Group, Inc. / (407) 622-8176
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface

MW-10


68.28
65.74
SAND
49
S. CUTT
38
34.63 @ 8/20/04
NO RETURN
34
33.74
LS
23.74

GROUNDWATER MONITORING WELL
COMPLETION REPORT

Date: September 8, 2004

Facility Name: Sumter County Landfill

835 C.R.529, Bushnell, Fl

FDEP Permit Number: 22926-003-SF

Well No.: MW-10 Well Type: Groundwater Monitoring

Date Installed: 8-19-04 Drilling Method: Hollow-Stem Auger

Record By: Richard L. Potts, Jr., P.G. Installed By: Environmental Drilling Svs., Inc.

The Colinas Group, Inc., Orlando, Florida

Casing Dia: 2 inches Casing Type: Sched. 40 PVC Total Depth: 42.0 ft.

Borehole Dia: nom. 6" Screen Type: Sched. 40 PVC Screen Length: 10 ft.

Screen Slot-Size: 0.010" Screen Interval: 32.0 To 42.0 (feet bls).

Gravel Pack: Type: 20/30 silica sand From: 30.0 To 42.0 (feet bls).

Annular Grout: Type: neat cement (II) From: 0.0 To 30.0 (feet bls).

Measuring Point: top of casing Measuring Point Elev.: 68.28 (ft.NGVD)

Well Development Method: Pump and surge

Aquifer Monitored: Upper Floridan

Attach As-Built Well Construction Diagram

The COLINAS Group, Inc.
Winter Park - Lakeland - Sarasota
Voice: (407)622-8176 Fax: (407)622-8196

ENVIRONMENTAL DRILLING SERVICE, INC.
WELL COMPLETION LOG

Location:. Sumter County Landfill — Work Order # 4866

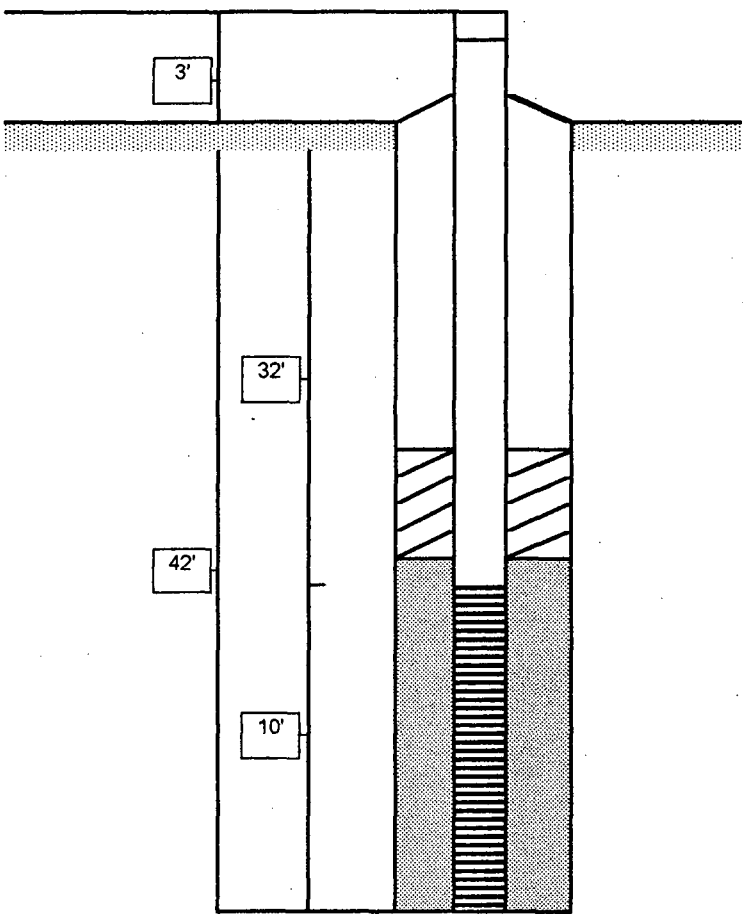
835 CR. 529, Bushnell FL.

Client:. Colinas Group — Date: August 19,2004

Well No. MW#-10 — Contact: Rick Potts

Installed By: Mike Miller, Cory, Stephen

Other Services Performed:



____ Flush Manhole

_X_ Above Grade Protector

____ None

Concrete 2 Bags

Cement Grout 6 Bags

Riser: Type PVC

Size 2"

Seal 1 bag 30/65 Sand

Screen: Type PVC

Size 2" .010 slot

Filter Type 26 bags 20/30 Sand

Development: Bailed ____ Pumped _X_ Air Lift ____ Surge ____ Swab ____ None ____

Total Time: 30 minutes — Total Gallons: 45 gallons

Water Appearance Start: cloudy — Finish: clear

LOG OF BORINGS

Location:	Sumter County Landfill	**Driller**	Mike Miller
	Bushnell FL.	**Drill Crew**	Cory, Stephen
Client:	Colinas Group	**Boring begin date**	8/18/2004
Work Order #	4866	**Boring #**	MW-10
Sample Method:	Split Spoon	**Boring Method:**	Auger **Rig:** BK-81
Static water Level:	31'		

Sample #	Sample Depth	N. Value	Sample Type	Water Presence	Description/remarks
1	10-12'	1,8,10,12	Split spoon	Dry	Brn. Med./fn. Sandw/ Lt. Gr/Brn Clay l
2	15-17'	10,10,12,13			Dk. Gr. Silty Clay Sand
3	20-22'	20,26,18,22			Tan/Lt.Gr. Sandy Clay
4	25-27'	6,12,12,15			Stiff Tan Clay
5	30-32'	3,2,1,3			Empty
6	35-37'	24,26,50+		Wet	Limestone
7	40-42'	18,10,1,1			Limestone 42.0' EOB

Environmental Drilling Service, Inc.

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date _____
DEP Application No. _____ (Filled in by DEP)

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

MONITOR WELL COMPLETION REPORT

DATE: September 8, 2004

INSTALLATION NAME: Sumter County Closed Landfill

DEP PERMIT NUMBER: 22926-003-SF GMS NUMBER: _____

WELL NUMBER: MW-11 WELL NAME: MW-11

DESIGNATION: Background _____ Immediate _____ Compliance X

LATITUDE/LONGITUDE: _____

AQUIFER MONITORED: Upper Floridan

INSTALLATION METHOD: Hollow-Stem Auger

INSTALLED BY: Environmental Drilling Service, Inc., Orlando, Florida

TOTAL DEPTH: 37.0 ft. (bls) DEPTH OF SCREEN: 37.0 ft. (bls)

SCREEN LENGTH: 10.0 ft. SCREEN SLOT SIZE: 0.010 in. SCREEN TYPE: PVC

CASING DIAMETER: 2.0 in. CASING TYPE: PVC

LENGTH OF CASING: 27.0 ft. bls FILTER PACK MATERIAL: 20/30 silica sand

TOP OF CASING ELEVATION (MSL): 70.21 ft. + NGVD

GROUND SURFACE ELEVATION (MSL): 66.85 ft. + NGVD

COMPLETION DATE: August 19, 2004

DESCRIBE WELL DEVELOPMENT: Pump and surge with electric submersible pump

POST DEVELOPMENT WATER LEVER ELEVATION (MSL): 36.67 ft. + NGVD

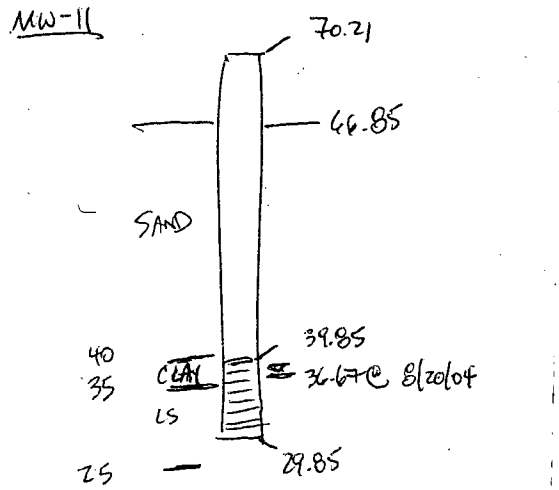
DATE AND TIME MEASURED: August 20, 2004 / 1215 hrs.

REMARKS: (soils information, stratigraphy, etc.) : Top of limestone (weathered) encountered at about 28.0 ft. bls. Hard to medium hard competent limestone from 30 ft. to 42 ft. bls.

REPORT PREPARED BY: Richard L. Potts,. Jr., P.G. / The Colinas Group, Inc. / (407) 622-8176
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface


MW-11
70.21
46.85
SAND
39.85
40
35
CLAY
LS
3.67 @ 8/20/04
25
29.85

GROUNDWATER MONITORING WELL
COMPLETION REPORT

Date: September 8, 2004

Facility Name: Sumter County Landfill

835 C.R.529, Bushnell, Fl

FDEP Permit Number: 22926-003-SF

Well No.: MW-11 Well Type: Groundwater Monitoring

Date Installed: 8-19-04 Drilling Method: Hollow-Stem Auger

Record By: Richard L. Potts, Jr., P.G. Installed By: Environmental Drilling Svs., Inc.

The Colinas Group, Inc., Orlando, Florida

Casing Dia: 2 inches Casing Type: Sched. 40 PVC Total Depth: 37.0 ft.

Borehole Dia: nom. 6" Screen Type: Sched. 40 PVC Screen Length: 10 ft.

Screen Slot-Size: 0.010" Screen Interval: 27.0 To 37.0 (feet bls).

Gravel Pack: Type: 20/30 silica sand From: 25.0 To 37.0 (feet bls).

Annular Grout: Type: neat cement (II) From: 0.0 To 25.0 (feet bls).

Measuring Point: top of casing Measuring Point Elev.: 70.21 (ft.NGVD)

Well Development Method: Pump and surge

Aquifer Monitored: Upper Floridan

Attach As-Built Well Construction Diagram

The COLINAS Group, Inc.
Winter Park - Lakeland - Sarasota
Voice: (407)622-8176 Fax: (407)622-8196

ENVIRONMENTAL DRILLING SERVICE, INC.
WELL COMPLETION LOG

Location:. Sumter County Landfill — Work Order # 4866

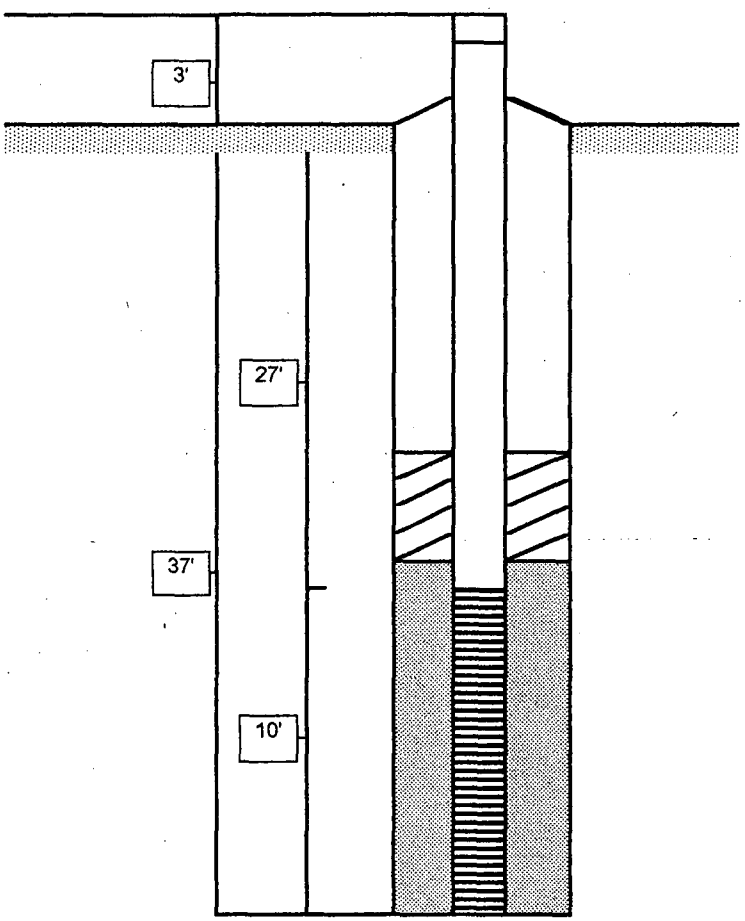
835 CR. 529, Bushnell FL.

Client:. Colinas Group — Date: August 19,2004

Well No. MW#-11 — Contact: Rick Potts

Installed By: Mike Miller, Cory, Stephen

Other Services Performed:



____ Flush Manhole

X Above Grade Protector

____ None

Concrete 2 Bags

Cement Grout 6 Bags

Riser: Type PVC
Size 2"

Seal 1 bag 30/65 Sand

Screen: Type PVC
Size 2" .010 slot

Filter Type 16 bags 20/30 Sand

Development: Bailed ____ Pumped X Air Lift ____ Surge ____ Swab ____ None ____

Total Time: 30 minutes — Total Gallons: 45 gallons

Water Appearance Start: cloudy — Finish: clear

LOG OF BORINGS

Location:	Sumter County Landfill	**Driller**	Mike miller
	Bushnell FL	**Drill Crew**	Cory, stephen
Client:	Colinas Group	**Boring begin date**	8/18/2004
Work Order #	4866	**Boring #**	MW 11
Sample Method:	Split spoon	**Boring Method:**	Auger **Rig:** BK-81
Static water Level:	30'		

Sample #	Sample Depth	N. Value	Sample Type	Water Presence	Description/remarks
1	10-12'	4,4,5,5	Split Spoon	Dry	Dk. Brn. Fn. Sand
2	15-17'	5,7,8,11			Tan/Brn fn. Clay sand
3	20-22'	11,14,18,20			Tan Med/Fn. Sand
4	25-27'	6,9,6,4			Tan Clay Sand
5	30-32'	12,18,23,11		Wet	Lt. Gr. Clat/Limestone
6	35-37'	18,22,13,17			Limestone
7	40-42'	10,23,31,20			Same 42.0' EOB

STANDARD PENETRATION TEST
BORING LOGS

THE COLINAS GROUP, INC.
TEST BORING LOG

Project Name: Sumter County Landfill
TCG Project No: P-257.2

Logged By: D. Claytor
Date: 11-16-04
Page:

Well Location No: MW-2A
Method: Hollow-stem auger

Depth Interval (feet bls)	Sediment Description	
0 - 4	grey, slightly silty **v. fine sand**, limestone grvl (rd. base), roots in upper foot	ELEV 69.35
8 - 10	grey to lt. brown **v. fine sand**, well-sorted	
13 - 15	dk. brown silty **v. fine - fine sand**, well-sorted	
18 - 20	same as above w/trace coarse sand	
23 - 24	same as above	
24 - 25	tan to white sl. clayey **v. fine - fine sand**, well-sorted, damp	44.35
28 - 30	tan to white **sandy clay**, damp	
33 - 34	same	35.35
34 - 35	tan to white sl. clayey **fine - medium sand**, poorly-sorted	34.35
38 - 40	tan to white **sandy clay**, cream to white limestone frags @39.8 ft.	29.35
43 - 45	cream to white **limestone**, soft to med. hard	
47	end of boring	22.35

THE COLINAS GROUP, INC.
TEST BORING LOG

Project Name: Sumter County Landfill
TCG Project No: P-257.2

Logged By: D. Claytor
Date: 11-15-04
Page:

Well Location No: MW-4A
Method: Hollow-stem auger

Depth Interval (feet bls)	Sediment Description
0 - 4	grey, **slightly silty v. fine sand**, roots in upper foot
8 - 10	tan **v. fine sand**, tr. coarse sand, mod. well-sorted
13 - 15	dk. brown to reddish brn. **silty v. fine - fine sand**, well-sorted
18 - 20	tan to white **v. fine sand**, tr. crse. sand, tr.phosphate sand
23 - 25	tan to reddish **clayey v. fine sand**, tr. phosphate sand
28 - 30	same as above, damp to wet
33 - 34	tan to white **sandy clay**, soft, very wet
34 - 35	tan **limestone**, hard
38 - 40	same as above
41	end of boring

GROUND ELEV 72.28
52.78
42.78
38.78
31.78

THE COLINAS GROUP, INC.
TEST BORING LOG

Project Name: Sumter County Landfill
TCG Project No: P-257.2

Logged By: D. Claytor
Date: 11-15-04
Page:

Well Location No: MW-4B
Method: Hollow-stem auger

Depth Interval (feet bls)	Sediment Description	
		GROUND ELEV 70.83
0 - 2	grey, **slightly silty v. fine sand**, roots in upper foot	
2 - 4	tan **v. fine sand**, well-sorted	
8 - 10	orange-brown **v. fine sand**, tr. coarse sand, mod. well-sorted	
13 - 14	dk. brown **sl. silty v. fine - fine sand**, well-sorted	
14 - 15	lt. brown, **sl. clayey v. fine sand**	
18 - 20	tan to white**, clayey v. fine sand**	
23 - 25	tan to white **v. fine - fine sand**, tr. phosphate sand, wet	45.83
28 - 30	tan to lt. brn, **sandy clay**, tr. phosphate sand	40.83
33 - 37	white limestone, hard	
37	end of boring	33.83

THE COLINAS GROUP, INC.
TEST BORING LOG

Project Name: Sumter County Landfill
TCG Project No: P-257.2

Logged By: R. Potts
Date: 08-18-04
Page:

Well Location No: MW-9A
Method: Hollow-stem auger

Depth Interval (feet bls)	Sediment Description	
		72.91
0 - 10	no sample	
10 - 12	brown, **fine-med. fine sand**, tr. lt. grey to brn clay	60.91
15 - 17	grey to reddish **clay**	55.91
20 - 22	lt. grey to brn **v. fine sand**	50.91
25 - 27	lt. grey **sandy clay**	
30 - 32	same as above	
35 - 37	lt. grey **sandy clay, l**imestone frags, wet	35.91
40 - 42	tam to white **limestone**	
45 - 47	same as above	
47	end of boring	25.91

THE COLINAS GROUP, INC.
TEST BORING LOG

Project Name: Sumter County Landfill
TCG Project No: P-257.2

Logged By: R. Potts
Date: 08-18-04
Page:

Well Location No: MW-10
Method: Hollow-stem auger

Depth Interval (feet bls)	Sediment Description
0 - 10	no sample
10 - 12	brown, **fine-med. fine sand**, w/ lt. grey to brn clay
15 - 17	dk. grey, **silty-clayey v. fine sand**
20 - 22	tan to lt. grey **sandy clay**
25 - 27	tan **clay**, stiff
30 - 32	no return
35 - 37	tan to white **limestone**, wet
40 - 42	same as above
42	end of boring

65.74
48.74
38.74
33.74
23.74

THE COLINAS GROUP, INC.
TEST BORING LOG

Project Name: Sumter County Landfill
TCG Project No: P-257.2

Logged By: R. Potts
Date: 08-18-04
Page:

Well Location No: MW-11
Method: Hollow-stem auger

Depth Interval (feet bls)	Sediment Description	
0 - 10	no sample	66.85
10 - 12	dk. brown, **v. fine sand**	
15 - 17	tan to brown **clayey v. fine sand**	
20 - 22	tan **fine - med. fine sand**	
25 - 27	tan **clayey fine sand**	39.85
30 - 32	lt. **grey clay** w/ limestone frags, wet	34.85
35 - 37	tan to white **limestone**, wet	
40 - 42	same as above	
42	end of boring	24.85

SURVEYING DATA

Springstead Engineering, inc.
Consulting Engineers - Architects - Planners - Surveyors

EB - 0001723
AA - 0002820
LB - 0001723

727 South 14th Street
Leesburg, Florida 34748

Lake (352) 787-1414
Sumter (352) 793-3639
Fax (352) 787-7221

January 14, 2005

Mr. Rick Potts
Colinas Group
509 N. Virginia Avenue
Winter Park, Florida 32789

RE: SC Landfill – New Monitoring Wells
SEI File No. 921100.021

Dear Mr. Potts:

As per your letter and map dated January 10, 2005, please find below the elevations and latitude/longitude locations of the new monitoring wells at the Sumter County Landfill:

Station	*Elevation*	*Top of Casing or /Ground*	*Latitude*	*Longitude*
MW-4B	73.83	Top of Casing	N. 28° 44' 40.46248	W. 82° 05 27.01841
Ground 4B	70.83	Ground	N. 28° 44' 40.46248	W. 82° 05 27.01841
MW4A	75.73	Top of Casing	N. 28° 44' 39.19336	W. 82° 05' 27.79582
Ground 4A	72.28	Ground	N. 28° 44' 39.19336	W. 82° 05' 27.79582
MW-2A	72.11	Top of Casing	N. 28° 44' 31.89308	W. 82° 05' 28.28373
Ground 2A	69.35	Ground	N. 28° 44' 31.89308	W. 82° 05' 28.28373

I trust this information meets your needs at this time. Should you have any questions or require additional information, please contact our office.

Sincerely,
Springstead Engineering, Inc.

Steven B. Wiley, PSM

SBW/jal

D.E.P.
APR 28 2004
Southwest District Tampa

1.0 Introduction

Sumter County Public Works Department received a five year permit (No. 22926-002-SF) issued May 29, 1998 to conduct long-term care monitoring and maintenance of a closed Class I Landfill (approximately 30 acres), referred to as the Sumter County Class I Landfill. The permit was issued subject to specific conditions. This report is prepared to provide an evaluation of the water quality monitoring as required by Specific Condition No. 20 of the permit.

MW-2 and MW-4 are currently being addressed under a consent order and preliminary contingency assessment plan (PCAP). Discussion regarding these wells is for information purposes. Information regarding modifications for these wells will be discussed in the PCAP.

2.0 Ground Water Monitoring Plan

The groundwater monitoring plan for this permit required sampling and testing from seven (7) monitor wells positioned in the zone of discharges around the landfill. The location of these wells is presented in the attached Figure 1. The monitor wells were identified as MW-1, MW-2, MW-4, MW-6A, MW-7, MW-8 and MW-9. All wells are considered to represent the water of the Floridian Aquifer. Monitor well MW-6A has been designated as a background well with all other wells designated as Detection Wells. Details of monitor well construction and soil lithologies are presented on the Typical Monitor Well Detail, MW Boring Logs and Well Completion reports in Appendix I.

Response to RAI dated 3/25/03 Comment 20 M.1.c(3)

Based on the hydrographs, MW-6A fluctuates like the other monitor wells at the site. According to the Boring Log in Appendix I, the well is in limestone and most of the water

~~quarterly to semi-annual.~~

CTL recommends the following changes to the Groundwater Monitoring Plan:

Response to RAI dated 3/25/03 Comment 20 M.1.f(3)

1. Changing the quarterly and annual testing per Section 2.0, Groundwater Monitoring Plan (revised 5/27/03) of this report.
2. Per Rule 62-701.510(10)(b), the Groundwater Monitoring Plan Evaluation shall be done biannually.

Response to RAI dated 3/25/03 Comment 21 M.1.g

3. Per Rule 62-701.510(7)(a) & 62-701.510(7)(b), Evaluation Monitoring, Preventive Measures and Corrective Action shall be added to the plan. A copy of Rule 62-701.510(7)(a & b) is presented in Appendix VIII.

~~**Response to RAI dated12/07/03 Comment 19 M.1.c(6)**~~

~~1. An evaluation of monitor well conditions and the construction details of each well as presented in table A of appendix IX the following recommendations are offered: MW-2A is currently located in a high traffic area. Central Testing Laboratory believes that this traffic is affecting the well. Central Testing Laboratory recommends a new well to replace MW-2A be relocated ten to fifteen feet to the north of the existing well. This well will be constructed with ten feet of screen allowing for sampling in the dry season.~~

~~Central Testing Laboratory recommends that a secondary well be installed at MW-7 and MW-9 with ten foot screens to accommodate the saturated thickness of the uppermost aquifer. The new screen intervals will be at elevation of approximately thirty eight to forty eight feet. This will accommodate sampling the upper most portion of the aquifer during seasonal fluctuation in water levels.~~

~~MW-2A, MW-7, and MA-9 will no longer be sampled. The new wells will now be sampled.~~

Due to the distance form the indicated leachation of waste Central Testing Laboratory recommends that two new wells MW-10 and MW-11 be installed closer to the area of barrier waste in line with MW-7 and MW-1 respectively. In addition a secondary well (MW-9A) should be installed at MW-9 with a ten foot screen to accommodate the saturated thickness of the uppermost aquifer. The new screen intervals for all wells will be at elevation of approximately thirty eight to forty eight feet. This will accommodate sampling the upper most portion of the aquifer during seasonal fluctuation in water levels as shown in Table A of Appendix X.

MW-1, MW-7, and MW-9 will no longer be sampled, but will be used to obtain ground water elevations. The new wells will be sampled.

Revised April 8, 2004

APPENDIX X

CENTRAL TESTING LABORATORY

TABLE A (Revised 03/02/04) Monitor Well Construction Details, Sumter County Closed Class I Landfill

	Elevation (feet NGVD)						Screen	Total	
Well#	Top of Casing	Ground Surface	Top of Screen	Bottom of Screen	Maximum Water Level	Minimum Water Level	Length (ft)	Depth (ft)	Lithology Encountered (feet) below land suface
MW-1	70.17	69.58	42.67	37.67	48.19	41.17	5	32.5	0 - 10 Sand
									10 - 15 Sandy clay
									15 - 22 Clay
									22 - 32 Limestone
MW-2	74.14	72.53	41.49	36.49	48.83	36.64	5	37.65	0 - 10 Sand
	69.13*	N/A**	41.49	36.49	48.83	36.64	5	32.64*	10 - 18 Sandy clay
									18 - 30 Clay
									30 - 37 Limestone
MW-4	70.36	N/A**	42.69	37.69	48.41	41.28	5	37.69	0 - 10 Sand
									10 - 20 Sandy clay
									20 - 30 Clay
									30 - 37 Limestone
MW-6A	77.54	75.71	32.54	27.54	49.17	41.12	5	50	0 - 20 Sand
									20 - 29 Clay with limestone fragments
									29 - 51 Limestone
MW-7	73.14	71.49	28.74	23.74	48.84	41.47	5	49.4	0 - 20 Sand
									20 - 25 Sand and clay
									25 - 28 Clay and sand
									28 - 31 Limestone
									31 - 34 Clay
									34 - 51 Limestone
MW-8	69.26	68.09	30.41	25.41	50.24	42.06	5	43.85	0 - 24 Sand
									24 - 34 Sandy clay
									34 - 41 Limestone
MW-9	71.95	70.37	29.15	24.15	49.68	41.55	5	47.8	0 - 26 Sand
									26 - 32 Sandy clay
									32 - 46 Limestone

TABLE A (Revised 3/02/04) Monitor Well Construction Details, Sumter County Closed Class I Landfill

footnotes

- Top of Casing Elevations and Screen Lengths from Central Testing Laboratory GWMPE dated 3/3/03 (Section 2.0, Table 1 – Revised 5/27/03)
- Total Depth and Ground Surface Elevations from Central Testing Laboratory field measurements 1/22/02
- Top/Bottom of Screen elevations for all wells calculated using Total Depth measurements from Central Testing Laboratory field measurements 1/22/02 and Top of Casing Elevations
- Maximum/Minimum Water Elevations measured during sampling events conducted between 1st Quarter of 1998 and 4th Quarter of 2002, from Central Testing Laboratory GWMPE dated 3/3/03 (Section 3.0 Table 1 – Revised 5/27/03)
- Screen Length for MW-1, MW-2, MW-4, MW-6A and MW-7 from "Second Response to Request for Additional Information" prepared by Springstead Engineering Inc. dated 7/29/92, Appendix B.
- Screen Length for MW-8 and MW-9 from Central Testing Laboratory GWMPE dated 3/3/03, (Section 2.0, Table 1 – Revised 5/27/03)
- Lithology Encountered from Central Testing Laboratory GWMPE dated 3/3/03 (Appendix I)
- *New Top of Casing Elevation for MW-2 following excavation activities: Top of Casing and Total Depth adjusted reflect the new well configuration
- **Ground Surface is slightly above Top of Casing – No Survey available with Ground Surface Elevations

Central Testing Laboratory

EB 0002407

Engineering and Materials Testing

Reply to:

July 2, 2002

Department of Environmental Protection
Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619
ATT: Mr. John Morris

D.E.P.
JUL 08 2002
Southwest District Tampa

Dear Mr. Morris:

Central Testing Laboratory has received updated information regarding monitor well 2 located at Sumter County Public Works, Solid Waste Section.

CTL was informed after the well was cut off and a manhole was installed. A new survey was requested and was provided by Springstead Engineering. The new top of casing elevation for MW-2 is reported as 69.13.

Should you require any additional information please call the Leesburg office.

Respectfully Submitted,
CENTRAL TESTING LABORATORY

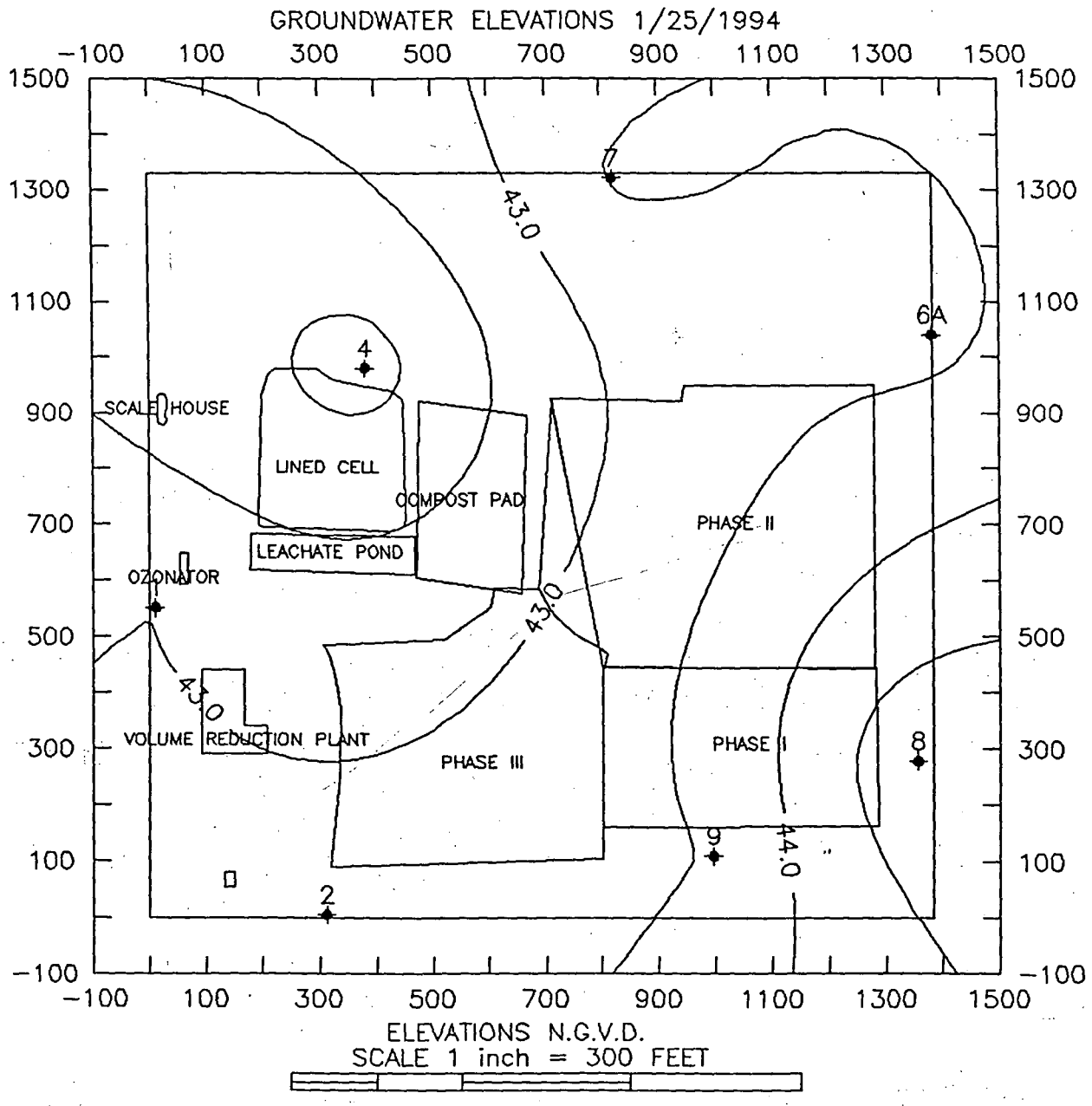
Patricia Snowdon
Environmental Specialist

Cc: Mr. Gary Breeden

		SUMTER COUNTY LANDFILL WELL DATA					
		GMS SITE ID NO. 4060C00092					
WELL	TOC ELEV	TOTAL DEPTH	SCREEN L.	LITH @ SCREEN	AQUIFER	GMS TEST #	WELL STATUS
MW-1	70.20	30.30	5	LS	FLORIDAN	4060A12054	Installed 9/85: active
MW-2	74.17	35.10	5	LS	FLORIDAN	4060A12055	Installed 9/85: active
MW-3	68.29	28.10	5	LS	FLORIDAN	4060A12056	Installed 9/85: abd 4/93
MW-4	70.47	34.80	5	LS	FLORIDAN	4060A12057	Installed 9/85: active
MW-5	64.57	175.00	25 FT OPEN	LS	FLORIDAN	4060A12058	Installed 9/85: active
MW-6	79.75	33.20	5	LS	FLORIDAN	none	Installed 9/85: abd 5/89
MW-6A	77.47	51.00	5	LS	FLORIDAN	4060A13955	Installed 5/89: active
MW-7	73.08	53.00	5	LS	FLORIDAN	4060A14304	Installed 5/89: active
MW-8	69.26	41.00	5	LS	FLORIDAN	4060A17008	Installed 4/93: active
MW-9	71.95	46.00	5	LS	FLORIDAN	4060A17009	Installed 4/93: active

C:/MSOffice/
SUMTWELL.XLS

SUMTER COUNTY – 921100.000



MONITORING WELL
COMPLETION REPORT

DATE: 09/21/93

FACILITY NAME: Sumter County Solid Waste Management Facility

FDEP PERMIT NO.: SF60-211255 GMS NO.: 4060C00092

WELL NO.: 4060A17008 WELL NAME: MW-8 WELL TYPE: B

DATE INSTALLED: 04/13/93

BY: American Drilling, Inc., Contractor #9088

AQUIFER MONITORED: Floridan

HOLE DIAMETER: 0.83 (feet) TOTAL DEPTH: 41.0 (feet)

CASING TYPE: PVC CASING DIAMETER/LENGTH: 2.0"/38'

SCREEN TYPE: PVC SCREEN SLOT SIZE/LENGTH: 0.010"/5.0'

FILTER PACK TYPE/SIZE: 20/30 Sand INTERVAL: 31' to 41'(feet)

SEALANT TYPE: Fine Sand INTERVAL: 30' to 31'(feet)

GROUT TYPE: Type I & Bentonite Gel INTERVAL: 0' to 30'(feet)

MEASURING POINT LOCATION AND ELEV. (feet NGVD): TOC 69.26'

GROUND SURFACE ELEVATION (feet NGVD): 67.14' Top of Concrete Pad

LATITUDE AND LONGITUDE OF WELL: 28°42'32"N 82°05'15"W

WELL DEVELOPMENT: Compressed Air

NAME OF PERSON PREPARING REPORT: James A. Dunaway, P.G.

ATTACH LITHOLOGIC LOG.
bls - BELOW LAND SURFACE
WELL TYPE: B = BACKGROUND I - INTERMEDIATE C = COMPLIANCE
TOC - TOP OF CASING

MONITORING WELL COMPLETION REPORT

DATE: 09/21/93

FACILITY NAME: Sumter County Solid Waste Management Facility

FDEP PERMIT NO.: SF60-211255 GMS NO.: 4060C00092

WELL NO.: 4060A17009 WELL NAME: MW-9 WELL TYPE: B

DATE INSTALLED: 04/14/93

BY: American Drilling, Inc., Contractor #9088

AQUIFER MONITORED: Floridan

HOLE DIAMETER: 0.83 (feet) TOTAL DEPTH: 46.0 (feet)

CASING TYPE: PVC CASING DIAMETER/LENGTH: 2.0"/38'

SCREEN TYPE: PVC SCREEN SLOT SIZE/LENGTH: 0.010"/5.0'

FILTER PACK TYPE/SIZE: 20/30 Sand INTERVAL: 36' to 46'(feet)

SEALANT TYPE: Enviroplug (Med.) INTERVAL: 29' to 36'(feet)

GROUT TYPE: Type I & Bentonite Gel INTERVAL: 0' to 29'(feet)

MEASURING POINT LOCATION AND ELEV. (feet NGVD): TOC 71.95'

GROUND SURFACE ELEVATION (feet NGVD): 70.25' Top of Concrete Pad

LATITUDE AND LONGITUDE OF WELL: 28°42'30"N 82°05'20"W

WELL DEVELOPMENT: Compressed Air

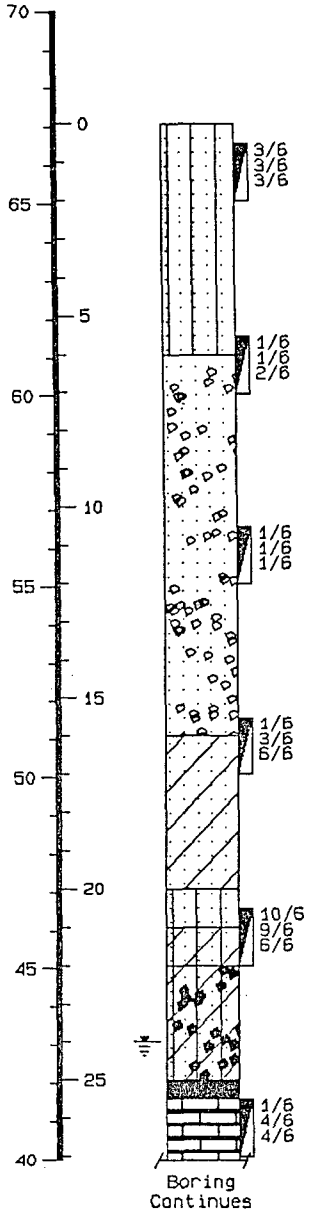
NAME OF PERSON PREPARING REPORT: James A. Dunaway, P.G.

ATTACH LITHOLOGIC LOG.
bls - BELOW LAND SURFACE
WELL TYPE: B = BACKGROUND I - INTERMEDIATE C = COMPLIANCE
TOC - TOP OF CASING

BORING LOG

BORING NO. MW-8

PROJECT: SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY, SUMTER CO., FL
BORING NO.: MW-8 ELEV.: 67.1 DATE: 4-12 & 4-13-93
BORING LOCATION: FROM SE CORNER OF SITE, 278.13' Nly ON PL, 28.17' LEFT
BORING METHOD: HOLLOW-STEM AUGER DRILLER: G. WADE / AMERICAN DRLG
CLIENT: THE SUMTER COUNTY BOARD OF COUNTY COMMISSIONERS
DEPTH TO - Water: 24 DEPTH OF COLLAPSE: NONE



ELEV / DEPTH	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	FIELD CLASSIFICATION	DETAILS
		SILTY SANDS SAND-SILT MIXES	LIGHT GRAY 10YR 7/1 SLIGHTLY PLASTIC MIX OF CLAY, SILT AND FINE SAND
		SAND WITH CLAY INCLUSIONS	@ 6' VERY PALE BROWN 10YR 7/3 WITH GRAY 10YR 6/1 CLAYEY NODULES
		CLAYEY SANDS SAND-CLAY MIXES	@ 14' LIGHT BROWN-GRAY 10YR 6/2 FINE SAND WITH GRAY 10YR 6/1 CLAYEY NODULES @ 16' LIGHT GRAY 10YR 7/2 HIGHLY PLASTIC MIX OF SILT, CLAY AND FINE SAND
		SILTY SANDS SAND-SILT MIXES SILTY-CLAYEY SANDS SAND-SILT-CLAY MIXES SILTY, CLAYEY SAND WITH LIMESTONE INCLUSIONS ZONE OF LITTLE OR NO BEARING LIMESTONE	@ 20' BROWN-YELLOW 10YR 6/6 SILTY FINE SAND @ 21' LIGHT GRAY 10RY 7/2 MEDIUM PLASTIC MIX OF CLAY, SILT AND FINE SAND @ 22' LIGHT GRAY 10YR 7/2 MEDIUM PLASTIC MIX OF CLAY, SILT AND FINE SAND WITH LIMESTONE NODULES WEIGHT OF ROD 6" AT 25' @ 26' WHITE 10YR 8/1.5 LIMESTONE

BORING TERMINATED AT 41'. MONITORING WELL SET.

BORING LOG

BORING NO. MW-8

PROJECT: SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY, SUMTER CO., FL
BORING NO.: MW-8 ELEV.: 67.1 DATE: 4-12 & 4-13-93
BORING LOCATION: FROM SE CORNER OF SITE, 278.13' Nly ON PL, 28.17' LEFT
BORING METHOD: HOLLOW-STEM AUGER DRILLER: G. WADE / AMERICAN DRLG
CLIENT: THE SUMTER COUNTY BOARD OF COUNTY COMMISSIONERS
DEPTH TO - Water: 24 DEPTH OF COLLAPSE: NONE

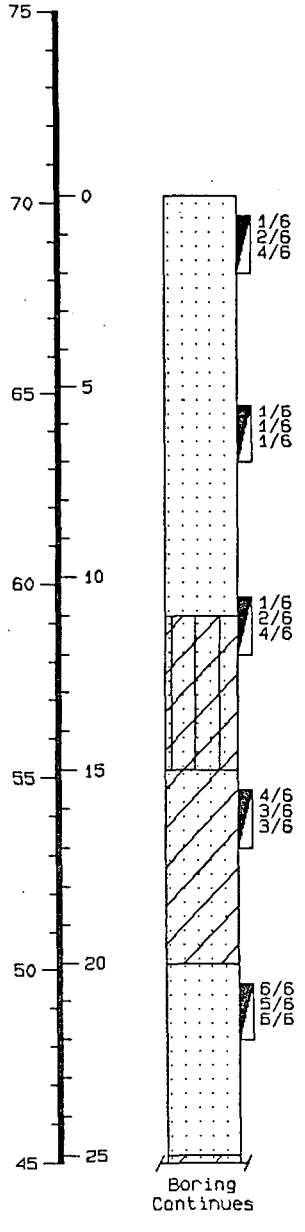
ELEV / DEPTH	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	FIELD CLASSIFICATION	DETAILS
40			
			SOFT LIMESTONE @ 28'
30			
	1/6 13/6 9/6	ZONE OF LITTLE OR NO BEARING	WEIGHT OF ROD 6" AT 30'
35		LIMESTONE	WHITE 10YR 8/1.5 LIMESTONE
35	15/6 31/1		
30			
40			

BORING TERMINATED AT 41'. MONITORING WELL SET.

BORING LOG

BORING NO. MW-9

PROJECT: SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY, SUMTER CO., FL
BORING NO.: MW-9 ELEV.: 70.2 DATE: 4-13 & 4-14-93
BORING LOCATION: FROM SE CORNER, 388.79' Wly ON PL, 109.74' RIGHT
BORING METHOD: HOLLOW-STEM AUGER DRILLER: G. WADE / AMERICAN DRLG
CLIENT: THE SUMTER COUNTY BOARD OF COUNTY COMMISSIONERS
DEPTH TO - Water: 31 DEPTH OF COLLAPSE: NONE



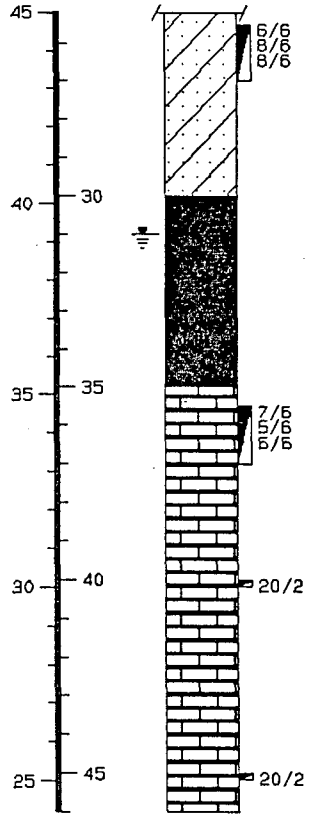
ELEV / DEPTH	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	FIELD CLASSIFICATION	DETAILS
70 / 0	1/6, 2/6, 4/6	POORLY GRADED SANDS OR GRAVELLY SANDS LITTLE OR NO FINES	NO RECOVERY - READ SOIL FROM AUGER - PALE BROWN 10YR 6/3 FINE SAND
65 / 5	1/6, 1/6, 1/6		BROWN 10YR 5/3 FINE SAND
60 / 10	1/6, 2/6, 4/6	SILTY-CLAYEY SANDS SAND-SILT-CLAY MIXES	@ 11' GRAY 10YR 6/1 MEDIUM PLASTIC MIX OF CLAY, SILT AND FINE SAND
55 / 15	4/6, 3/6, 3/6	CLAYEY SANDS SAND-CLAY MIXES	GRAY 10YR 6/1 HIGHLY PLASTIC MIX OF CLAY, SILT AND FINE SAND
50 / 20	6/6, 5/6, 6/6	POORLY GRADED SANDS OR GRAVELLY SANDS LITTLE OR NO FINES	LIGHT GRAY 10YR 7/1 FINE SAND
45 / 25	Boring Continues	CLAYEY SANDS SAND-CLAY MIXES	LIGHT GRAY N 7/0 HIGHLY PLASTIC MIX OF CLAY, SILT AND FINE SAND

BORING TERMINATED AT 46'. MONITORING WELL SET.

BORING LOG

BORING NO. MW-9

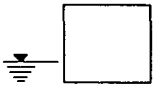
PROJECT: SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY, SUMTER CO., FL
BORING NO.: MW-9 ELEV.: 70.2 DATE: 4-13 & 4-14-93
BORING LOCATION: FROM SE CORNER, 388.79' Wly ON PL, 109.74' RIGHT
BORING METHOD: HOLLOW-STEM AUGER DRILLER: G. WADE / AMERICAN DRLG
CLIENT: THE SUMTER COUNTY BOARD OF COUNTY COMMISSIONERS
DEPTH TO - Water: 31 DEPTH OF COLLAPSE: NONE



ELEV / DEPTH	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	FIELD CLASSIFICATION	DETAILS
		ZONE OF LITTLE OR NO BEARING	WEIGHT OF HAMMER AND ROD 12" AT 30' - PLACE BIT ON ROD 4' TO 35'
		LIMESTONE	@ 35' WHITE 10YR 8/2 LIMESTONE
			WHITE 10YR 8/2 LIMESTONE

BORING TERMINATED AT 46'. MONITORING WELL SET.

Legend:

Symbol:	Description:	Symbol:	Description:
	SILTY SANDS SAND-SILT MIXES		SAND WITH CLAY INCLUSIONS
	CLAYEY SANDS SAND-CLAY MIXES		SILTY-CLAYEY SANDS SAND-SILT-CLAY MIXES
	SILTY, CLAYEY SAND WITH LIMESTONE INCLUSIONS		ZONE OF LITTLE OR NO BEARING
	LIMESTONE		POORLY GRADED SANDS OR GRAVELLY SANDS LITTLE OR NO FINES
7/6 5/6	STANDARD PENETRATION TEST. 140 lb. HAM- MER DROPPED 30".		GROUNDWATER TABLE MEASURED AT COMPLETION OF BORING

Notes:

1. BORINGS ADVANCED WITH A 4" CONTINOUS FLIGHT AUGER.
2. ELEVATIONS REPORTED ON LOGS PROVIDED BY CLIENT.
3. THESE LOGS ARE SUBJECT TO THE LIMITATIONS, CONCLUSIONS, AND RECOMMENDATIONS IN THIS REPORT. DUE TO POSSIBLE VARIANCES IN THE SUBSURFACE BETWEEN THE LOCATIONS OF THE BORINGS, AND THE VARYING DEGREE OF DISTURBANCE, THE DESCRIPTIONS GIVEN ARE GOOD ONLY FOR THE MATERIALS REMOVED DURING THE CONSTRUCTION OF EACH BORING.
4. RELATIVE DENSITY (sand-silt)
   VERY LOOSE - Less than 4 blows/ft. LOOSE - 4 to 10 blows/ft.
   MEDIUM - 10 to 30 blows/ft. DENSE - 30 to 50 blows/ft.
   VERY DENSE - More than 50 blows/ft.
5. CONSISTENCY (clay)
   VERY SOFT - Less than 2 blows/ft. SOFT - 2 to 4 blows/ft.
   MEDIUM - 4 to 8 blows/ft. STIFF - 8 to 15 blows/ft.
   VERY STIFF - 15 to 30 blows/ft.
   HARD - More than 30 blows/ft.
6. COLORS ARE DETERMINED BY USING THE MUNSELL SOIL COLOR CHART AND THE VALUES ARE GIVEN IN CODE SUCH AS 10YR 3/4.

I HEREBY CERTIFY TESTING WAS PERFORMED IN ACCORDANCE WITH REFERENCED A.S.T.M. PROCEDURE.

JOHN W. SPRINGSTEAD, P. E.
FLORIDA REG. NO. 8579

BEST AVAILABLE COPY

APPLICATION TO CONSTRUCT, REPAIR, MODIFY OR ABANDON A WELL

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

2379 Broad St., Brooksville, Florida 34609-6899, (904) 796-7211

Permit No. (1). 1,[illegible]

Stipulations Required

17-524 Well

WUP Application No.

Owner Number

ABOVE THIS LINE FOR OFFICIAL USE ONLY

1. SUMTER CO. BOCC, 222 E. McCollum Ave, Bushnell FLA 33513
   Owner, Legal Name of Entity if Corporation | Address | Zip | Telephone Number
2. CO. LANDFILL, CR 523, Sumterville FLA 33585
   Well Location: Address, Road Name or Number
3. AMERICAN Drilling Inc 7-13-93 2040
   Drilling Contractor | Date | License No.

1480 N. 12th St. Leesburg FLA 32748
Address | City | State | Zip Code

4. Number of Wells: 1. *Check the Use of the Well:*

___ Domestic	___ Irrigation	___ Livestock	___ Test
___ Public Water Supply	___ Heat Pump/AC Supply	___ Industrial	___ Other ___
X Monitor	___ Class V, Heat Pump/AC Return	___ Class I Injection Well	

5. Application for:
   ___ New Construction
   ___ Repair/Modify
   X Abandonment

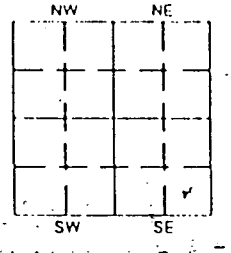
6. Casing X or Liner ___ (Check One)
   ___ Black Steel X PVC 2" Diameter
   ___ Galvanized ___ Other (Specify) NEAT CEMENT Seal Material (Specify)

7. Method of Construction: ___ Rotary ___ Cable Tool ___ Combination ___ Auger ___ Other

8. Sumter | County | Subdivision Name | Lot | Block | Unit

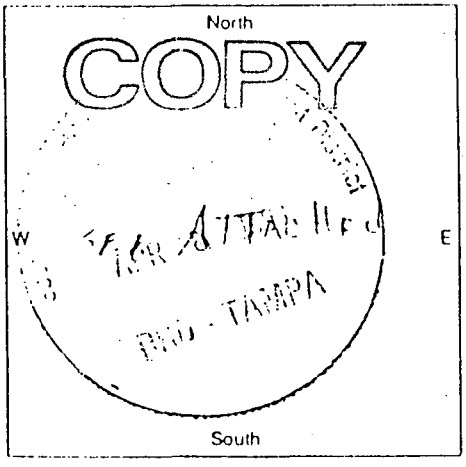
9. Quarter Quarter Section SE SE (Indicate Well in Chart)

10. Section 15 Township 20 Range 22



11. On 6-inch wells & larger:
    Latitude | Longitude

Draw map of well location and indicate well site with an "X". Identify known roads and landmarks; provide distances between well and landmarks.



12. *I hereby certify that I will comply with the rules of Chapter 40D-3, Florida Administrative Code, and that a water use permit or artificial recharge permit, if needed, has or will be obtained prior to commencement of well construction. I further certify that all information provided on this application is accurate and that I will obtain necessary approval from other federal, state, or local governments, if applicable. I agree to provide a well completion report to the District within 30 days after drilling operations cease.*

Paul A Ufferman 2040
Signature of Contractor | License No.

13. *Is this well or any other well or water withdrawal on the owner's contiguous property covered under a Water Use Permit (WUP) or WUP application?*

Yes ___ *No* ___ *If yes, provide WUP No.* ___

I certify that I am the owner of the property, that the information provided on well location is accurate, and that I am aware of my responsibilities under Chapter 373, Florida Statutes, to maintain or properly abandon this well; or, I certify that I am the agent for the owner, that the information provided is accurate, and that I have informed the owner of his responsibilities as stated above.

Owner or Agent's Signature

DO NOT WRITE BELOW THIS LINE — FOR OFFICIAL USE ONLY

Granted by: [illegible] Title: [illegible] Date: 7/8/93

Owner Number: ___ Fee Received $: ___ Receipt No.: ___ Check No.: ___

THIS PERMIT NOT VALID UNTIL PROPERLY SIGNED BY AN AUTHORIZED OFFICER OF SWFWMD(R). IT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL DRILLING OPERATIONS.

SF 306 (3) REV 4/90

DRILLING CONTRACTOR COPY – 1

BBF BETTER BUSINESS FORMS Tampa, FL - (813) 223-2568 1198143

MW # 8

Form No. 25-18-9/92

Please complete in black ink or type

WELL COMPLETION REPORT

Owner's Name Sumter Co. Board of Co. Comm.

Permit Number 53669.01

X _____ 4-14-93

Water Well Contractor's Signature — Completion Date

License No. 9089

SURFACE CASING, CASING AND LINER MATERIAL:

Types	Diam. (In.)	From (Ft.)	To (Ft.)
P.V.C. Scr	2"	36'	41'
P.V.C. Cas	2"	+2'	36'

Neat Cement: No. of Bags	From (Ft.)	To (Ft.)
17 Bags	0'	31'
2x2-6" Pad w/st-up collar		

IRON: ____ppm SULFATE: ____ppm CHLORIDES: ____ppm

FINISH: Screen: .010/5' (Ft.) Open Hole: ____(Ft.)

WELL LOCATION:

County Sumter

Qtr: S-E Qtr: S-E Sec: 15 Twp: 20 Rge: 22

WELL USE

Public ____ Irrigation ____ 17-524 ____

Domestic ____ Monitor 5 W/a Other ____

DRILL METHOD

[ ] Rotary [ ] Cable Tool [ ] Jet [X] Auger Other ____

Measured Static Water Level ____ + ____ - ____ Ft.

Measured Pumping Water Level ____ + ____ - ____ Ft.

After ____ Hours At ____ G.P.M.

Measuring Pt. (Describe): Ground Surface

Which is 34 Ft. [ ] Above [X] Below Land Surface

Depth (Ft.) From	To	Examine cutting at 20ft. or smaller intervals and at changes. Give color, grain-size and type of material. Note any cavities. Indicate producing zones. Attach additional sheets if necessary.
0		Gry fn. F. Sa.
	24'	
24		Brn - Sandy Cly
	34'	
34	36	soft Gry Lime st.
36	41	Gry L.S.

I certify that the information provided in this report is accurate and true.

Driller's Name: Glen G Cole

COPY

BBF BETTER BUSINESS FORMS Tampa FL - (813) 223-2568

MW #9

Form No. 25-18-9/92

Please complete in black ink or type

WELL COMPLETION REPORT

Owner's Name Sumter Co. Board of Co. Comm.

Permit Number 53669.02

X _____ 4-14-93

Water Well Contractor's Signature — Completion Date

License No. 7088

SURFACE CASING, CASING AND LINER MATERIAL:

Types	Diam. (In.)	From (Ft.)	To (Ft.)
P.V.C. Scn.	2"	41	46
P.V.C. Cas	2"	+2'	41

Neat Cement: No. of Bags	From (Ft.)	To (Ft.)
9 Bags	0'	34'
2 X 2-6" Pay W/ST-ay conc		

IRON:_____ppm SULFATE:_____ppm CHLORIDES:_____ppm

FINISH: Screen: .010 / 5' (Ft.) Open Hole:_____(Ft.)

WELL LOCATION:

County Sumter

Qtr: S-E Qtr: S-E Sec: 15 Twp: 20 Rge: 22

WELL USE

Public_____ Irrigation_____ 17-524_____

Domestic_____ Monitor D / W/Q Other_____

DRILL METHOD

[ ] Rotary [ ] Cable Tool [ ] Jet [X] Auger Other_____

Measured Static Water Level _____+_____-_____Ft.

Measured Pumping Water Level_____+_____-_____Ft.

After_____ Hours At_____G.P.M.

Measuring Pt. (Describe):_____

Which is 36 Ft. [ ] Above [X] Below Land Surface

Depth (Ft.) From	To	Examine cutting at 20ft. or smaller intervals and at changes. Give color, grain-size and type of material. Note any cavities. Indicate producing zones. Attach additional sheets if necessary.
0		Gry tan F. Sa.
	26	
26		Pnk - Sandy Cly
	32	
32		
	37	Soft Gry L.S.
37		Gry L.S.
	46	

I certify that the information provided in this report is accurate and true.

Driller's Name: Ken C. Cole

COPY

BEST AVAILABLE COPY

APPLICATION TO CONSTR , REPAIR , MODIFY OR ABANDON A WELL

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

2379 Broad St., Brooksville, Florida 34609-6899, (904) 796-7211

Stipulations Required | 17-524 Well

WUP Application No. | Owner Number

ABOVE THIS LINE - FOR OFFICIAL USE ONLY

1. SUMTER County Board of County Comm., 222 E Mcollum Ave, Bushnell FLA 33513
   Owner, Legal Name of Entity If Corporation | Address | Zip | Telephone Number

2. Co. LANDFILL, C.R. 527, Sumterville, FLA
   Well Location: Address, Road Name or Number

3. AMERICAN Drilling Inc. 4-8-93
   Drilling Contractor | Date | License No.

   4811 W. 12th St Ocala FLA 32675
   Address | City | State | Zip Code

4. Number of Wells: 2 . Check the Use of the Well:

___ Domestic	___ Irrigation	___ Livestock	___ Test
___ Public Water Supply	___ Heat Pump/AC Supply	___ Industrial	___ Other WATER QUALITY
X Monitor	___ Class V, Heat Pump/AC Return	___ Class I Injection Well	

5. Application for:
   X New Construction
   ___ Repair/Modify
   ___ Abandonment

6. Casing X or Liner ___ (Check One)
   ___ Black Steel | X PVC | 2 Diameter
   ___ Galvanized | ___ Other (Specify) | FLUSH FLUSH Seal Material (Specify)

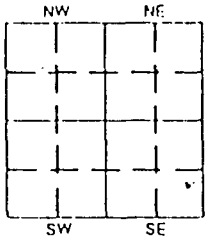
7. Method of Construction: ___ Rotary ___ Cable Tool ___ Combination X Auger ___ Other

8. SUMTER
   County | Subdivision Name | Lot | Block | Unit

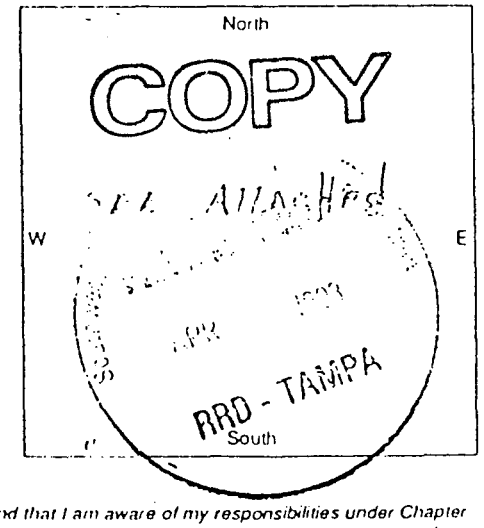
9. Quarter Quarter Section SE SE (Indicate Well in Chart)

10. Section 15 Township 20S Range 22E

11. On 6-inch wells & larger:
    Latitude | Longitude



Draw map of well location and indicate well site with an "X". Identify known roads and landmarks; provide distances between well and landmarks.



12. *I hereby certify that I will comply with the rules of Chapter 40-D-3, Florida Administrative Code, and that a water use permit or artificial recharge permit, if needed, has or will be obtained prior to commencement of well construction. I further certify that all information provided on this application is accurate and that I will obtain necessary approval from other federal, state, or local governments, if applicable. I agree to provide a well completion report to the District within 30 days after drilling operations cease.*

   Signature of Contractor | License No.

13. *Is this well or any other well or water withdrawal on the owner's contiguous property covered under a Water Use Permit (WUP) or WUP application?*

   Yes ___ *No* ___ *If yes, provide WUP No.* ___

I certify that I am the owner of the property, that the information provided on well location is accurate, and that I am aware of my responsibilities under Chapter 373, Florida Statutes, to maintain or properly abandon this well; or, I certify that I am the agent for the owner, that the information provided is accurate, and that I have informed the owner of his responsibilities as stated above.

Owner or Agent's Signature

DO NOT WRITE BELOW THIS LINE — FOR OFFICIAL USE ONLY

Granted by: | Title: | Date:

Owner Number: | Fee Received $: | Receipt No | Check No.:

THIS PERMIT NOT VALID UNTIL PROPERLY SIGNED BY AN AUTHORIZED OFFICER OF SWFWMD(R). IT SHALL BE AVAILABLE AT THE WELL SITE DURING ALL DRILLING OPERATIONS.

SF 306 (3) REV 4/90

DRILLING CONTRACTOR COPY — 1

MW3

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
WELL ABANDONMENT INSPECTION REPORT

Abandonment Permit No. 536691.01 Section 15 Township 20 Range 22

Drilling Contractor American Drilling, Inc License No. 7088

Address of Well: Street Co. Landfill - CR. 529

County Sumter City Sumterville Zip 33585

Property Owner Sumter Co. B. of C.C. CUP No.

WELL SPECIFICATIONS

COPY

T.D. of Well 30'

Casing: Diameter 2" Depth

Material - Black Steel, Galv. Steel, PVC, Other

Is well information verified by driller's log? Yes, No (Explain in Comments)

GROUT SPECIFICATIONS AND INSPECTION

Date	4-13-93		
Time arrived at site	9:15		
Grout interval	30' to 0'		
*Estimated No. of 94 lb. sacks or yds. of cement	16 bag		
Time grout started	9:40		
Time grout completed	10:05		
Actual No. of 94 lb. sacks or yds. of cement (specify type of cement)	Type I 1.5 bags		
Gallons of water per 94 lb. sack or yds. of cement	5.5		
**Special grout additives, type, amount	None		
Grout method (see terms on back of page)	Tremie		
Time departed site	10:05		

*Estimate before grouting begins (see back of page for grout tables).
**See Bentonite Table on back of page.

COMMENTS

Desired return to surface was observed.

Attach a Field Investigation Report for unsatisfactory work.

Drillers Signature [signature] Date 4-13-93

Observers Signature Carl Ratliff Date 4-13-93

Work satisfactorily completed in accordance with Chapter 17-21. F.A.C.

Supervisors Signature Date

(Not official unless signed by SWFWMD Supervisor)

DRILLER COPY

MW3

BBF BETTER BUSINESS FORMS Tampa FL - (813) 223-2568 1100141

Form No. 25-18-9/92

Please complete in black ink or type

WELL COMPLETION REPORT

Owner's Name Sumter Co. B of CC.

Permit Number 5366971.01

X _____ 9-13-93
Water Well Contractor's Signature — Completion Date

License No. 9088

SURFACE CASING, CASING AND LINER MATERIAL:

Types	Diam. (In.)	From (Ft.)	To (Ft.)
P.V.C. SCR	2"	25'	30'
P.V.C. CAS	2"	0'	25'
Neat Cement: No. of Bags		From (Ft.)	To (Ft.)
1.5 bags		0'	30'

IRON:____ppm SULFATE:____ppm CHLORIDES:____ppm
FINISH: Screen:_____(Ft.) Open Hole:_____(Ft.)

WELL LOCATION:

County Sumter

Qtr: S·E Qtr: S·E Sec: 15 Twp: 20 Rge: 22

WELL USE

Public____ Irrigation____ 17-524____
Domestic____ Monitor X W/Qu. Other____

DRILL METHOD

[ ] Rotary [ ] Cable Tool [ ] Jet [ ] Auger Other trimmy
Measured Static Water Level _____+_____-_____Ft.
Measured Pumping Water Level_____+_____-_____Ft.
After_____ Hours At_____G.P.M.
Measuring Pt. (Describe): Ground surface.
Which is_____Ft. [ ] Above [X] Below Land Surface

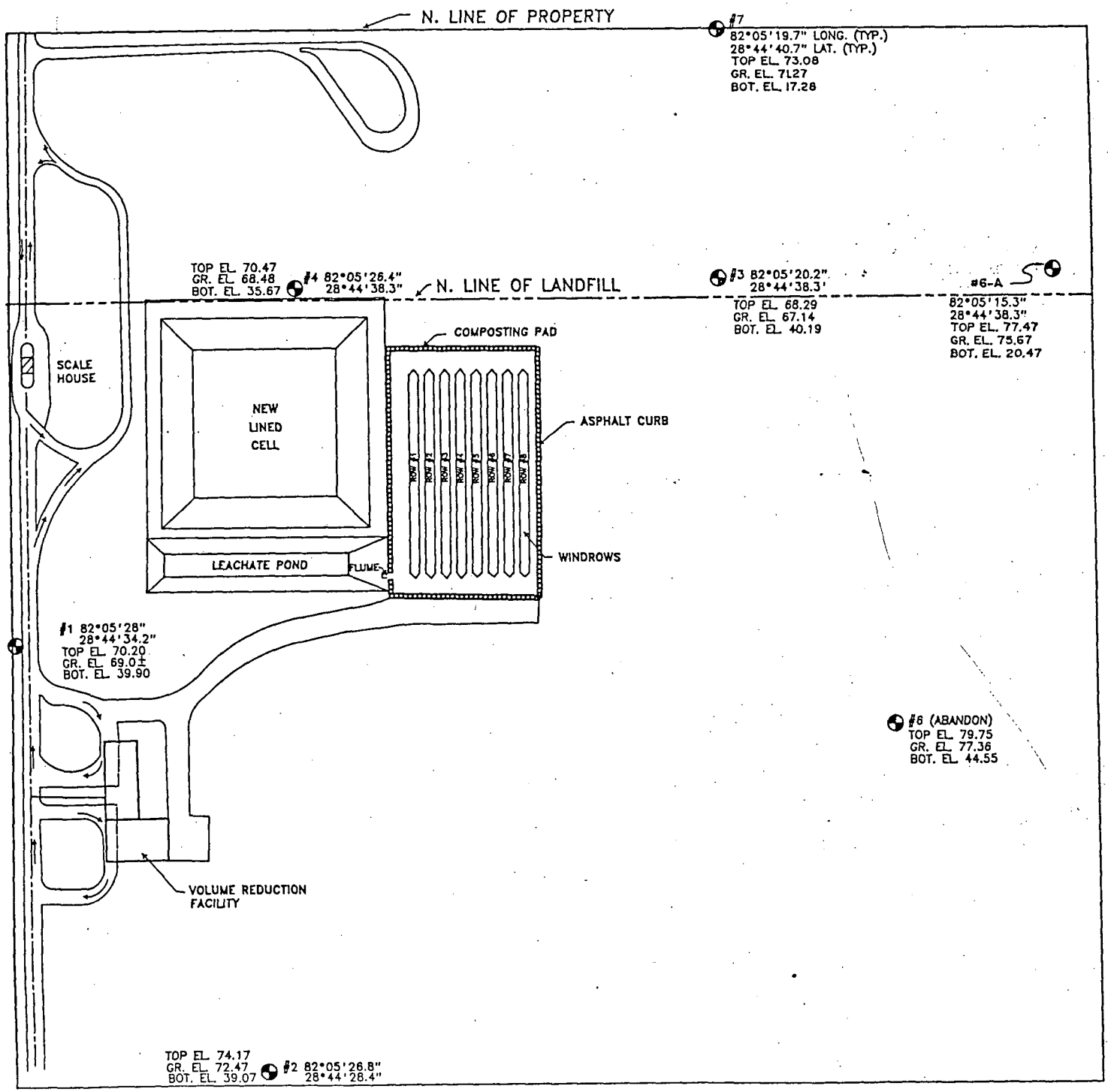
Depth (Ft.) From	To	Examine cutting at 20ft. or smaller intervals and at changes. Give color, grain-size and type of material. Note any cavities. Indicate producing zones. Attach additional sheets if necessary.
0'		" "
"	"	ABANDON "
	30'	

I certify that the information provided in this report is accurate and true.

Driller's Name: Dana L. Vole

COPY

BEST AVAILABLE COPY



NOTE:

WELL #5 IS LOCATED 1280± NORTH OF WELL #7

NOT TO SCALE

SUMTER COUNTY LANDFILL

#-7

MONITORING WELL COMPLETION REPORT

INSTALLATION METHOD: Hollow Stem Auger ✓

INSTALLED BY: IT Environmental Services, Inc. - Michael Sturdevant, Contr.

2140 N.E. 36th Ave., Suite 300, Ocala, FL 32670

TOTAL DEPTH: 53 ft. (bls*) DEPTH TO TOP OF SCREEN: 46 ft. (bls)

SCREEN LENGTH: 5 ft. ✓ SCREEN SLOT SIZE: .010 ✓ SCREEN TYPE PVC ✓

CASING DIAMETER: 2 in. ✓ CASING TYPE: Schedule 40 PVC

LENGTH OF CASING: 48 ft. FILTER PACK MATERIAL: 20/30 Sand ✓

TOP OF CASING ELEVATION (NGVD): _____

GROUND SURFACE ELEVATION (NGVD): _____

COMPLETION DATE: 5-4-89 DEVELOPMENT METHOD: Hand Pump & Surge

POST DEVELOPMENT WATER ELEVATION (NGVD): _____

DATE AND TIME MEASURED: _____

REMARKS (Soils information, Stratigraphy, etc.): See attached well log for Southwest Florida Water Management District

NAME OF PERSON PREPARING REPORT: Michael Sturdevant

INCLUDE: SOIL BORING LOG FOR EACH WELL.

*(bls) = Below Land Surface.

15762 SINGER BUSINESS FORMS, INC. P.O. BOX 10245 TAMPA, FLORIDA 33679

Please complete in black ink or type

Form No. 25-18-5/83

WELL COMPLETION REPORT

Owner's Name Board of Sumter County Comm.

Permit Number: 479544-19

X _____ 5-4-89

Water Well Contractor's Signature — Completion Date

License No. 2039

SURFACE CASING, CASING AND LINER MATERIAL:

Types	Diam. (In.)	From (Ft.)	To (Ft.)
Sch.40 PVC Pipe	2"	0	46
PVC .010 Screen	2"	46	51
Sch40 PVC pipe	2"	51	53
Neat Cement: No. of Bags		**From (Ft.)**	**To (Ft.)**
Portland Cement 8		0	44

IRON: ___ ppm SULFATES: ___ ppm CHLORIDES: ___ ppm

FINISH: Screen: 46-51 (Ft.) Open Hole: _____ (Ft.)

WELL LOCATION

___ ¼ ___ ¼ ___ ¼ of Section 15

Township	(N-S)	Range	(E-W)
20	S	22	E

Locate in Section

Latitude ___ Deg. ___ Min. ___ Sec. N

Longitude ___ Deg. ___ Min. ___ Sec. W

Optional may be required

DRILL METHOD

[ ] Rotary [ ] Cable Tool [ ] Jet [X] Auger Other _____

Measured Static Water Level _____ + _____ · _____ Ft.

Measured Pumping Water Level _____ + _____ · _____ Ft.

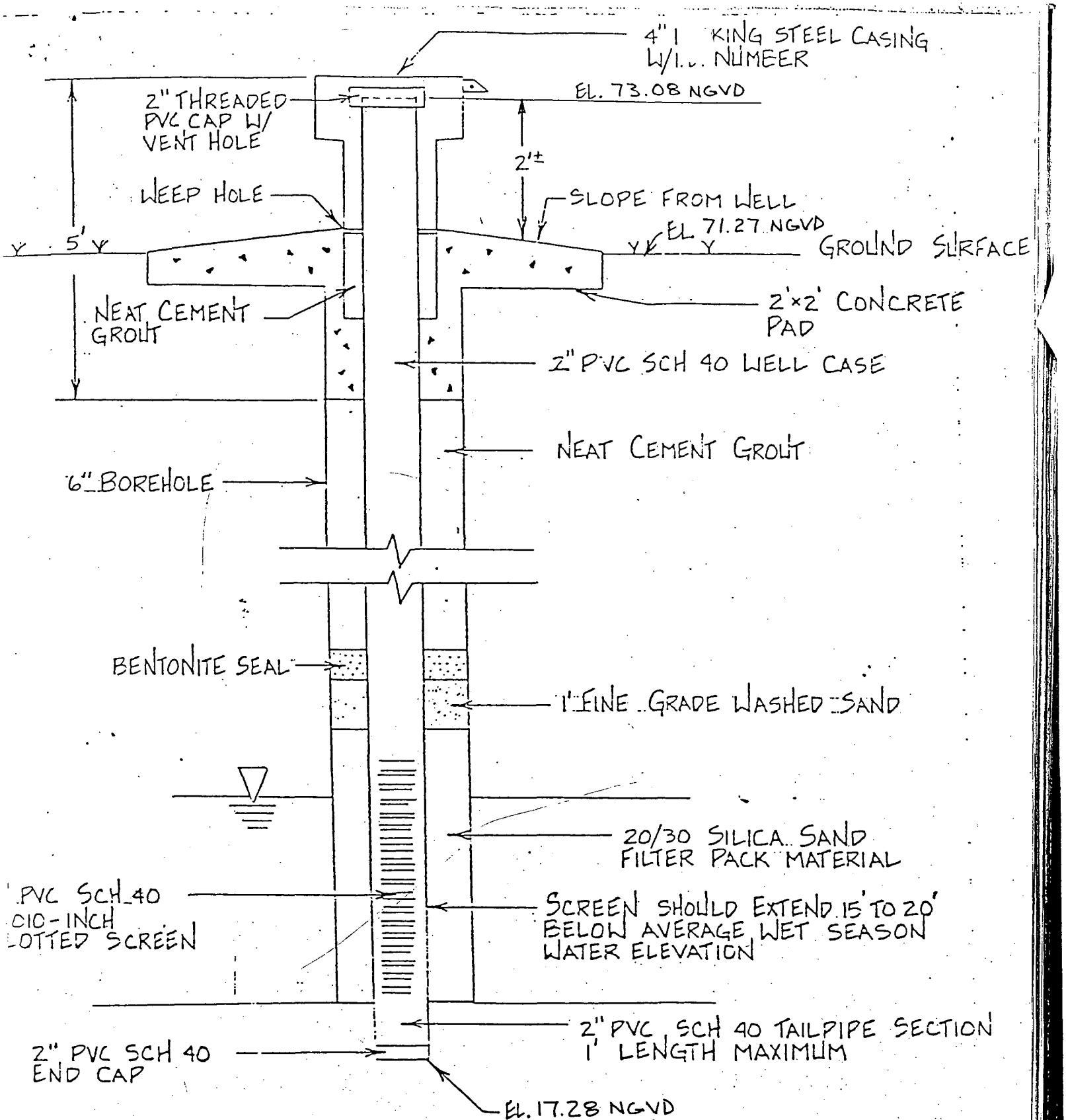
After _____ Hours At _____ G.P.M.

Measuring Pt. (Describe): Top of Well

Which is 28 Ft. [ ] Above [X] Below Land Surface

Depth (Ft.) From	Depth (Ft.) To	Examine cuttings at 20 ft. or smaller intervals and at changes. Give color, grain-size and type of material. Note any cavities. Indicate producing zones. Attach additional sheets if necessary.
0	20	Tan Sand
20	29	Gray Clay & Lime
29	51	Lime Stone

Driller's Name Michael STURGEWAIT



EXISTING GROUND WATER MONITOR WELL # 7

SPRINGSTEAD ENGINEERING INC.

CONSULTING ENGINEERS

GROUND WATER MONITOR WELL

11-3-88 N.T.S. C-103 C-103

BORING LOG

BORING NO. MW7

PROJECT: SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY, SUMTER CO., FL

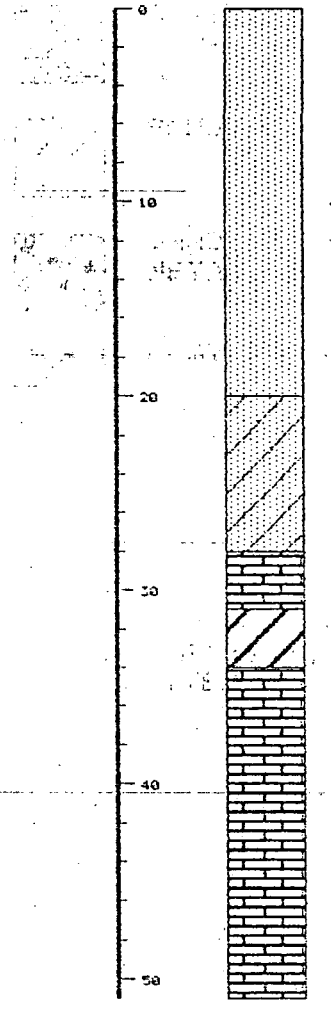
BORING NO.: MW7 ELEV.: 0 DATE: 5-3-89

BORING LOCATION: FROM SW CORNER, APPROXIMATELY 1330' NORTH, 900' EAST

BORING METHOD: ROTARY DRILLER: STURDEVANT

CLIENT: THE SUMTER COUNTY BOARD OF COUNTY COMMISSIONERS

DEPTH TO - Water: NOT NOTED DEPTH OF COLLAPSE: NONE



ELEV / DEPTH	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	FIELD CLASSIFICATION	DETAILS
		POORLY GRADED SANDS	TAN SAND
		CLAYEY SANDS	@ 20' TAN SAND AND CLAY
			@ 25' WHITE CLAY AND SAND
		LIMESTONE	@ 28 LIMESTONE
		CLAY	@ 31 GRAY CLAY
		LIMESTONE	@ 34' LIMESTONE

MONITORING WELL COMPLETION REPORT # 6-A

INSTALLATION METHOD: Hollow Stem Auger ✓

INSTALLED BY: IT Environmental Services, Inc. -- Michael Sturdevant

2140 N.E. 36th Ave., Suite 300, Ocala, FL 32670

TOTAL DEPTH: 51 ft. (bls*) DEPTH TO TOP OF SCREEN: 44 ft. (bls)

SCREEN LENGTH: 5 ft. ✓ SCREEN SLOT SIZE: .010 ✓ SCREEN TYPE PVC ✓

CASING DIAMETER: 2 in. ✓ CASING TYPE: Schedule 40 PVC

LENGTH OF CASING: 44 ft. FILTER PACK MATERIAL: 20/30 Sand ✓

TOP OF CASING ELEVATION (NGVD):

GROUND SURFACE ELEVATION (NGVD):

COMPLETION DATE: 5-3-89 DEVELOPMENT METHOD: Hand Pump & Surge

POST DEVELOPMENT WATER ELEVATION (NGVD):

DATE AND TIME MEASURED:

REMARKS (Soils information, Stratigraphy, etc.): See attached well log for Southwest Florida Water Management District

NAME OF PERSON PREPARING REPORT: Michael Sturdevant

INCLUDE: SOIL BORING LOG FOR EACH WELL.

*(bls) = Below Land Surface.

19762 SINGER BUSINESS FORMS, INC. P.O. BOX 10245 TAMPA, FLORIDA 33679

Please complete in black ink or type

Form No. 25-18-5/83

WELL COMPLETION REPORT

Owner's Name Board of Sumter County Com.

Permit Number: 479593-14

X _____ 5-3-89

Water Well Contractor's Signature — Completion Date

License No. 7039

SURFACE CASING, CASING AND LINER MATERIAL:

Types	Diam. (In.)	From (Ft.)	To (Ft.)
PVC Sch 40 Pipe	2"	0	44
PVC 010 Screen	2"	44	49
PVC sch 40 Pipe	2"	49	51
Neat Cement: No. of Bags		**From (Ft.)**	**To (Ft.)**
Portland Cement 7		0	42

IRON: ___ ppm SULFATES: ___ ppm CHLORIDES: ___ ppm

FINISH: Screen: 44-49 (Ft.) Open Hole: _____ (Ft.)

WELL LOCATION

___ ¼ ___ ¼ ___ ¼ of Section 15

Township: 20 (N-S) Range: 22 (E-W)

Locate in Section

Latitude: ___ Deg. ___ Min. ___ Sec. N

Longitude: ___ Deg. ___ Min. ___ Sec. W

Optional may be required

DRILL METHOD

[ ] Rotary [ ] Cable Tool [ ] Jet [X] Auger Other _____

Measured Static Water Level _____ + _____ · _____ Ft.

Measured Pumping Water Level _____ + _____ · _____ Ft.

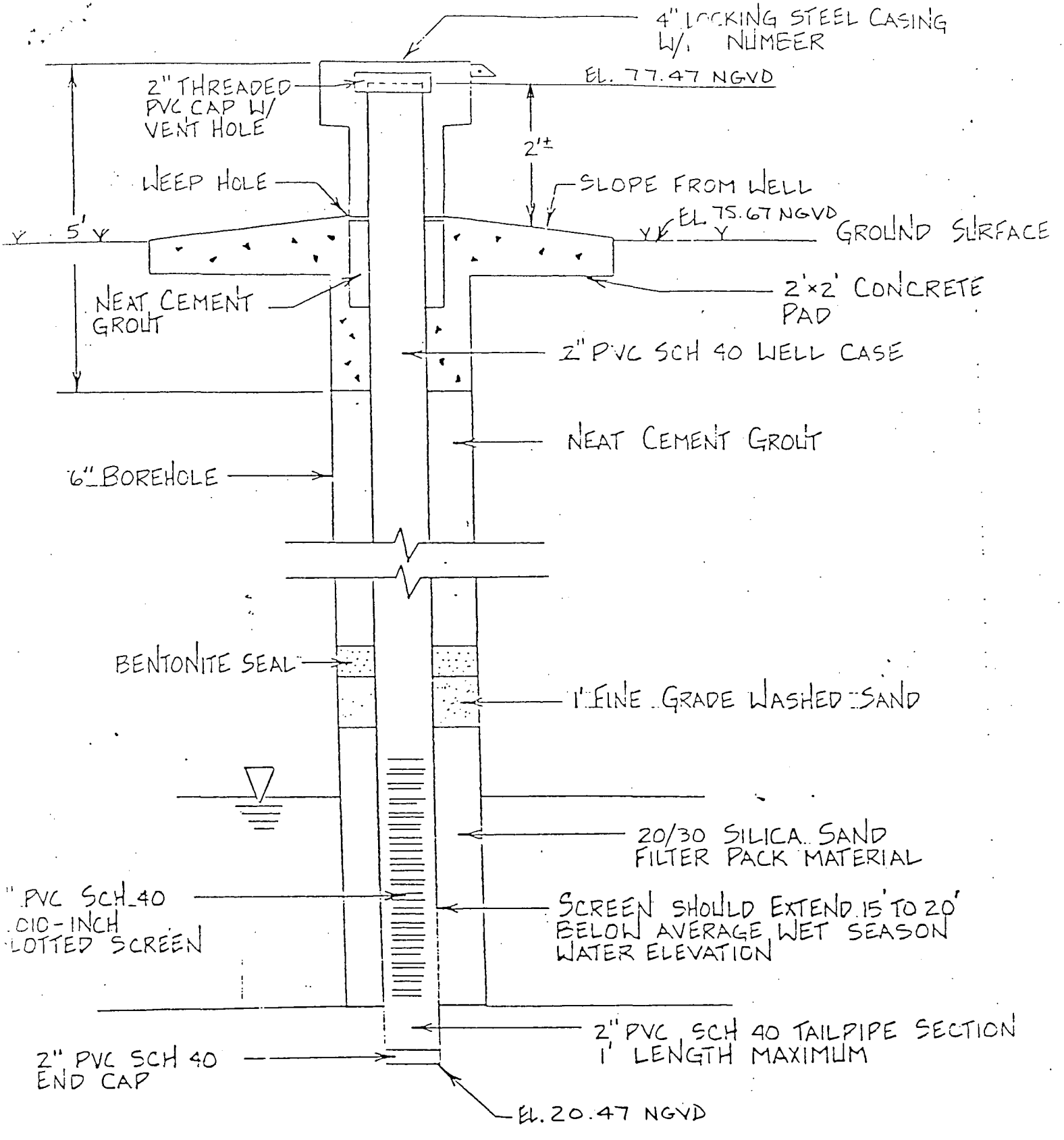
After _____ Hours At _____ G.P.M.

Measuring Pt. (Describe): _____

Which is 3 Ft. [ ] Above [X] Below Land Surface

Depth (Ft.) From	Depth (Ft.) To	Examine cuttings at 20 ft. or smaller intervals and at changes. Give color, grain-size and type of material. Note any cavities. Indicate producing zones. Attach additional sheets if necessary.
0	20	Tan Sand
20	25	Tan Sand & Clay
25	28	White Clay & Sand
28	31	lime rock
31	34	gray clay
34	51	Lime rock

Driller's Name Michael STurdevant



EXISTING GROUND WATER MONITOR WELL #6-A

SPRINGSTEAD ENGINEERING INC.

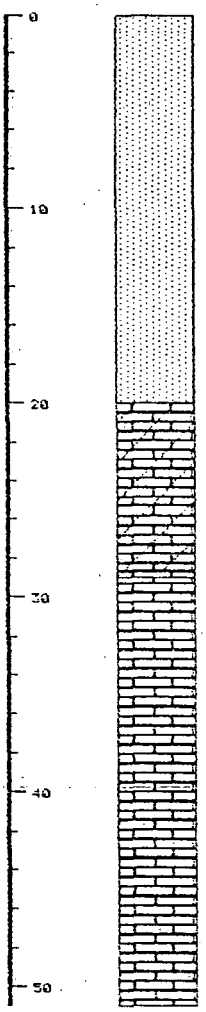
GROUND WATER MONITOR WELL

11-3-88 NTS C-103 A-103

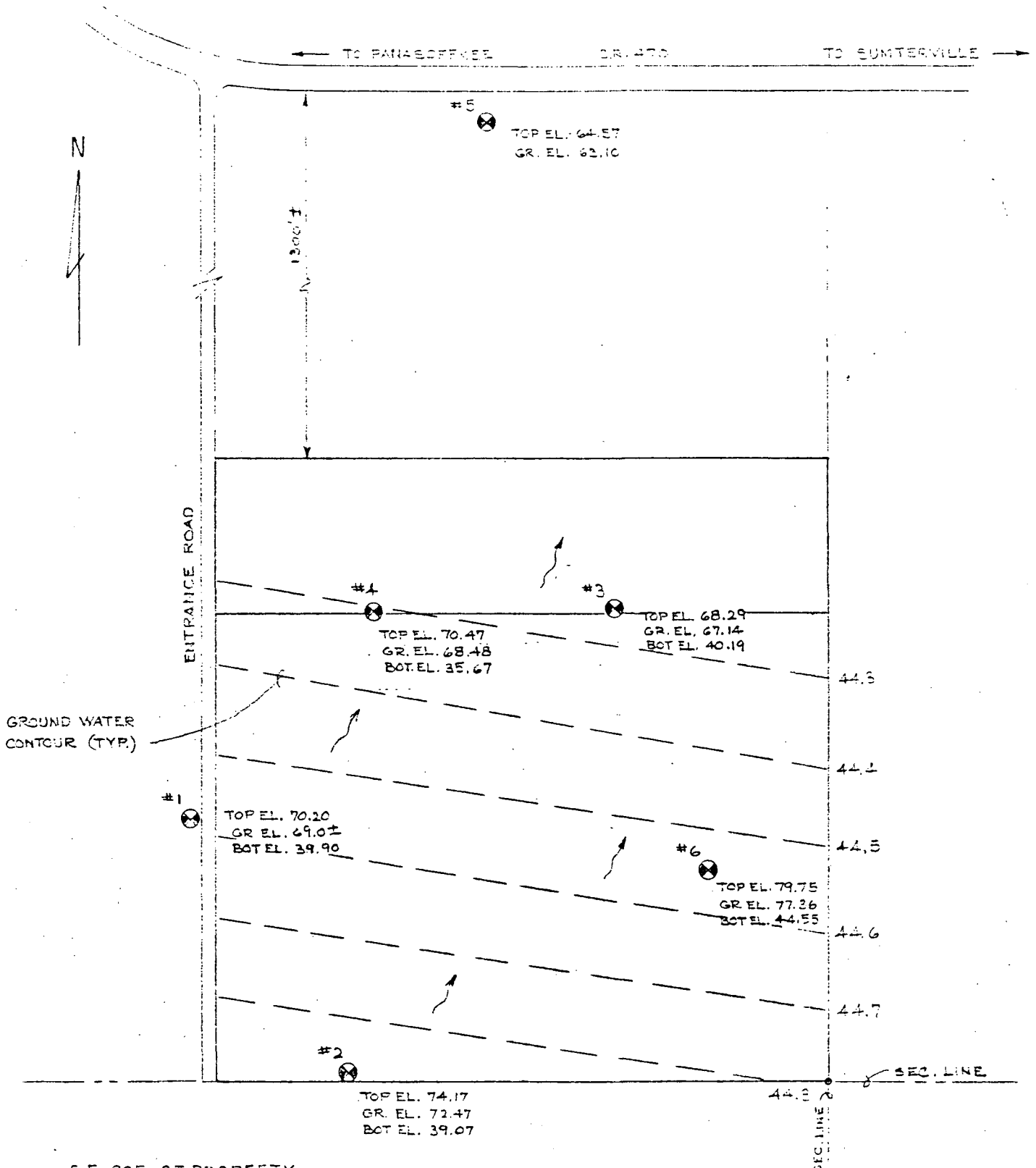
BORING LOG

BORING NO. MW6A

PROJECT: SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY, SUMTER CO., FL
BORING NO.: MW6A ELEV.: 0 DATE: 5-4-89
BORING LOCATION: FROM SW CORNER, APPROXIMATELY 1020' NORTH, 1380' EAST
BORING METHOD: ROTARY DRILLER: STURDEVANT
CLIENT: THE SUMTER COUNTY BOARD OF COUNTY COMMISSIONERS
DEPTH TO - Water: NOT NOTED DEPTH OF COLLAPSE: NONE



ELEV / DEPTH	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	FIELD CLASSIFICATION	DETAILS
0		POORLY GRADED SANDS	TAN SAND
20		CLAY WITH LIMESTONE FRAGMENTS	@ 20' GRAY CLAY AND LIMESTONE
29		LIMESTONE	@ 29 LIMESTONE



S.E. COR. OF PROPERTY
N. LAT. - 28° 44' 28"
W. LONG. 82° 05' 16"

NOTES:

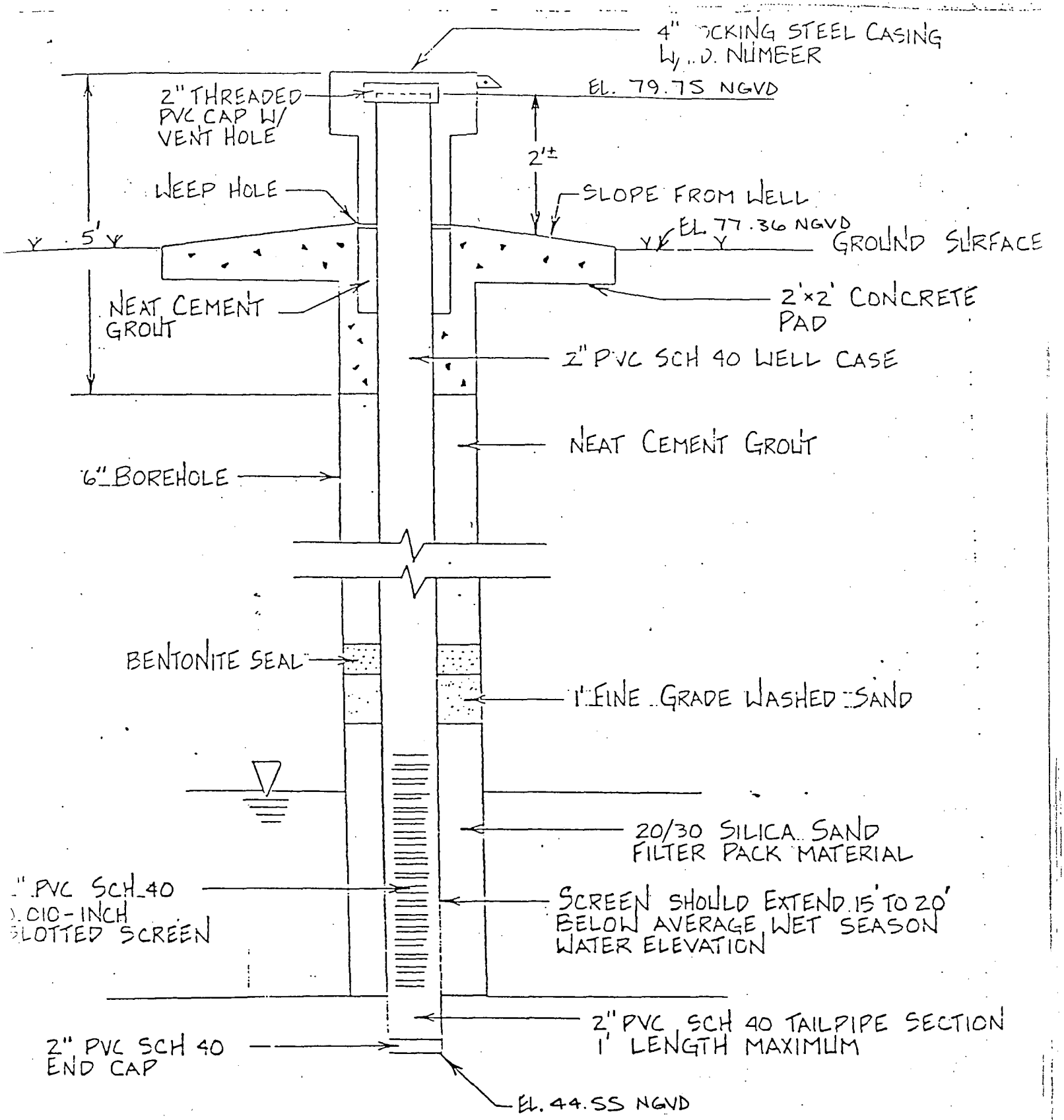
1. GROUND WATER CONTOURS ESTABLISHED JAN. 84
2. WELLS #6 & #3 WERE DRY WHEN CHECKED - 10/66

SPRINGSTEAD AND ASSOC. INC.
consulting engineers
Leesburg — Rushnell

MONITORING WELLS PLAN

SUMTER COUNTY LANDFILL

DATE	SCALE	FILE	JOB NO
1-27-87	1"=300'	C-103	C 103
DESIGN	DRAWN	CHECKED	SHEET
WD	RLD	P.B	1 OF 1



EXISTING GROUND WATER MONITOR WELL #6

(ABANDONED IN MAY 1989 ACCORDING TO CURRENT REGULATIONS AT TIME

SPRINGSTEAD ENGINEERING INC.

GROUND WATER MONITOR WELL

11-3-88 N.T.S. C-102 C-103

Monitoring Well Completion Report

Source Name: Sumter County Landfill

DER Permit No.: SO60-30674

Well No.: 6

28 ° 44 ' 28 " N 82 ° 05 ' 16 " E *

Aquifer: Surficial Flow: N.E.

Screen length: 5 Ft. type: PVC Slot size: 0.010 in

Depth of Well: 33.2ft.

Elevation (NVGD):

Top of Pipe 79.75 ft.

Ground 77.36 ft.

Top of screen 51.55 ft.

Bottom of screen 46.55 ft.

Pipe Diameter 2 in.

Casing Diameter: 6 in

Casing type: PVC casing length: 20 ft.

SWFWMD Permit No: 407450-19

Attached: Driller's log; sketch

* Referenced point see sketch.

Please complete in black ink or type

Form No. 25-18-5/83

WELL COMPLETION REPORT

Owner's Name Spink Stead + Associates

Permit Number: 407448-19

x Raymond Dennard 20 Sept 85

Water Well Contractor's Signature Completion Date

License No. 1150

SURFACE CASING, CASING AND LINER MATERIAL:

Types	Diam. (In.)	From (Ft.)	To (Ft.)
PVC Sch 40	6 IN	0	20
PVC Sch 40	2 IN	0	32
Gravel Pack		25	32
Neat Cement: No. of Bags		**From (Ft.)**	**To (Ft.)**
11 BAGS		0	23
SAND		23	25

IRON: ___ ppm SULFATES: ___ ppm CHLORIDES: ___ ppm

FINISH: Screen: 5 (Ft.) Open Hole: 0 (Ft.)

WELL LOCATION

___ ¼ ___ ¼ ___ ¼ of Section 15

Township	(N-S)	Range	(E-W)
20	S	22	E

Locate in Section

Latitude: Deg. ___ Min. ___ Sec. ___ N

Longitude: ___ ___ ___ W

Optional may be required

DRILL METHOD

[X] Rotary [ ] Cable Tool [ ] Jet [ ] Auger Other ___

Measured Static Water Level ___ + ___ - ___ Ft.

Measured Pumping Water Level ___ + ___ - ___ Ft.

After ___ Hours At ___ G.P.M.

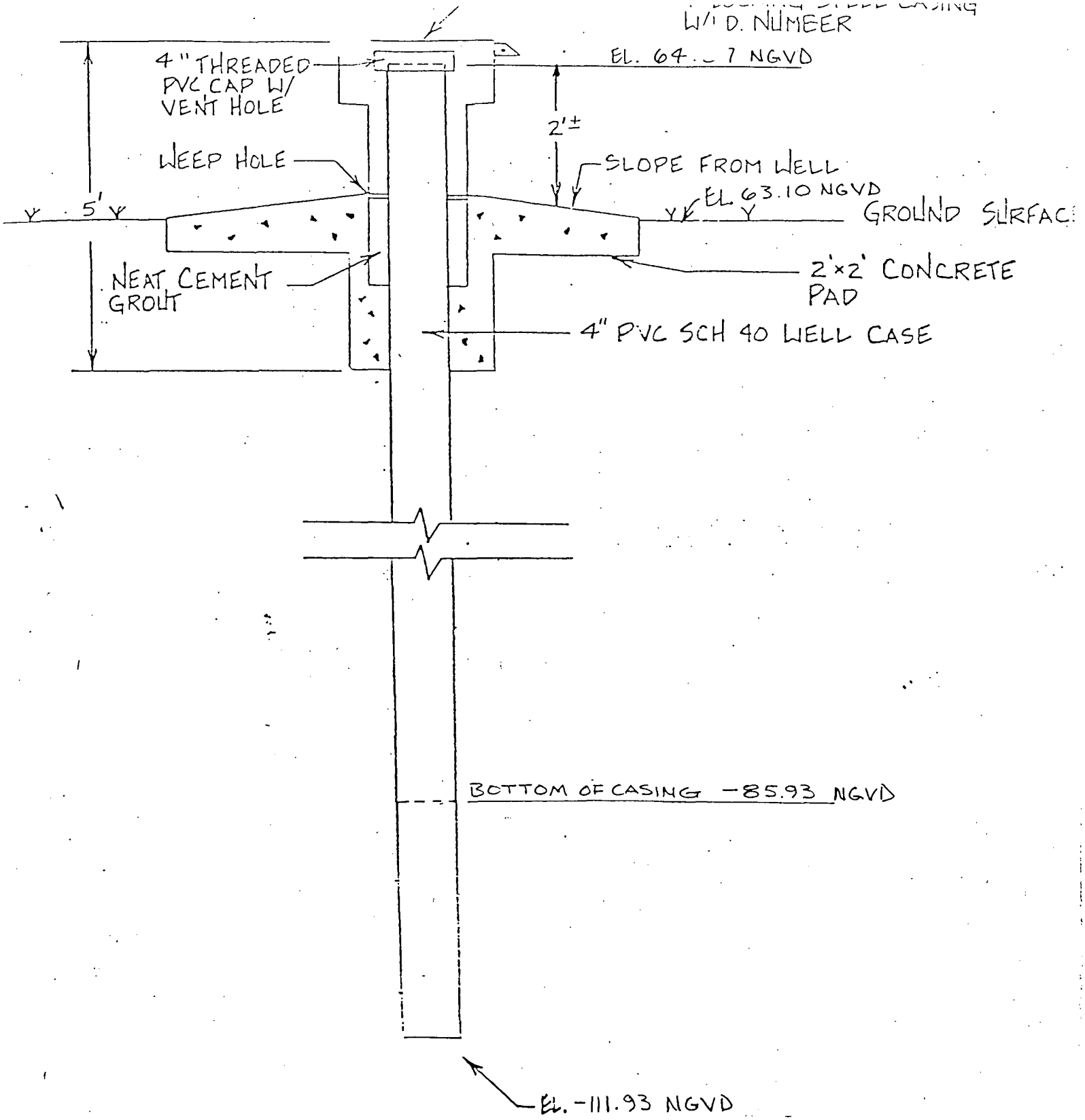
Measuring Pt. (Describe): ___

Which is ___ Ft. [ ] Above [ ] Below Land Surface

Depth (Ft.) From	Depth (Ft.) To	Examine cuttings at 20 ft. or smaller intervals and at changes. Give color, grain-size and type of material. Note any cavities. Indicate producing zones. Attach additional sheets if necessary.
0	10	BROWN SAND + GARBAGE Metal, Glass, etc.
10	15	BROWN SANDY CLAY + Garbage
15	20	BROWN CLAY + Garbage
20	32	White limestone

Driller's Name Chuck Rabold

MW-4



EXISTING GROUND WATER MONITOR WELL #5

SPRINGSTEAD ENGINEERING INC. consulting engineers	GROUND WATER MONITOR WELL			
	DATE 11-3 88	NTS.	C-103	C-10
	RL	VL	RL	-1

Monitoring Well Completion Report

Source Name: Sumter County Landfill

DER Permit No.: ,SO60-30674

Well No.: 5

28 ° 44 ' 28 " N 82 ° 05 ' 16 " E *

Aquifer: Floridan Flow: N.E.

Screen length:none Ft. type: Slot size:

Depth of Well: 150 ft.

Elevation (NVGD):

Top of Pipe 64.57 ft.

Ground 63.10 ft.

Top of screen none ft.

Bottom of screen none ft.

Pipe Diameter 4 in.

Casing Diameter: none in

Casing type: none casing length: ft.

SWFWMD Permit No: 407451-19

Attached: Driller's log; sketch

* Referenced point see sketch.

Please complete in black ink or type

Form No. 25-18-8/83

WELL COMPLETION REPORT

Owner's Name: Springstead + Associates

Permit Number: 45451-17

x Raymond Hammond 30 Sept 85
Water Well Contractor's Signature — Completion Date

License No. 1150

SURFACE CASING, CASING AND LINER MATERIAL:

Types	Diam. (In.)	From (Ft.)	To (Ft.)
Schedule 40	4"	0	149
Neat Cement: No. of Bags		**From (Ft.)**	**To (Ft.)**

IRON: ___ ppm SULFATES: ___ ppm CHLORIDES: ___ ppm

FINISH: Screen: _____ (Ft.) Open Hole: 26 (Ft.)

WELL LOCATION

___ ¼ ___ ¼ ___ ¼ of Section 15

Township	(N/S)	Range	(E/W)
20	S	22	E

Locate in Section

Latitude: Deg. ___ Min. ___ Sec. ___ N

Longitude: Deg. ___ Min. ___ Sec. ___ W

Optional may be required

DRILL METHOD

[ ] Rotary [ ] Cable Tool [ ] Jet [ ] Auger Other Combination

Measured Static Water Level 17 + _____ . _____ Ft.

Measured Pumping Water Level _____ + _____ . _____ Ft.

After ½ Hours At 50 G.P.M.

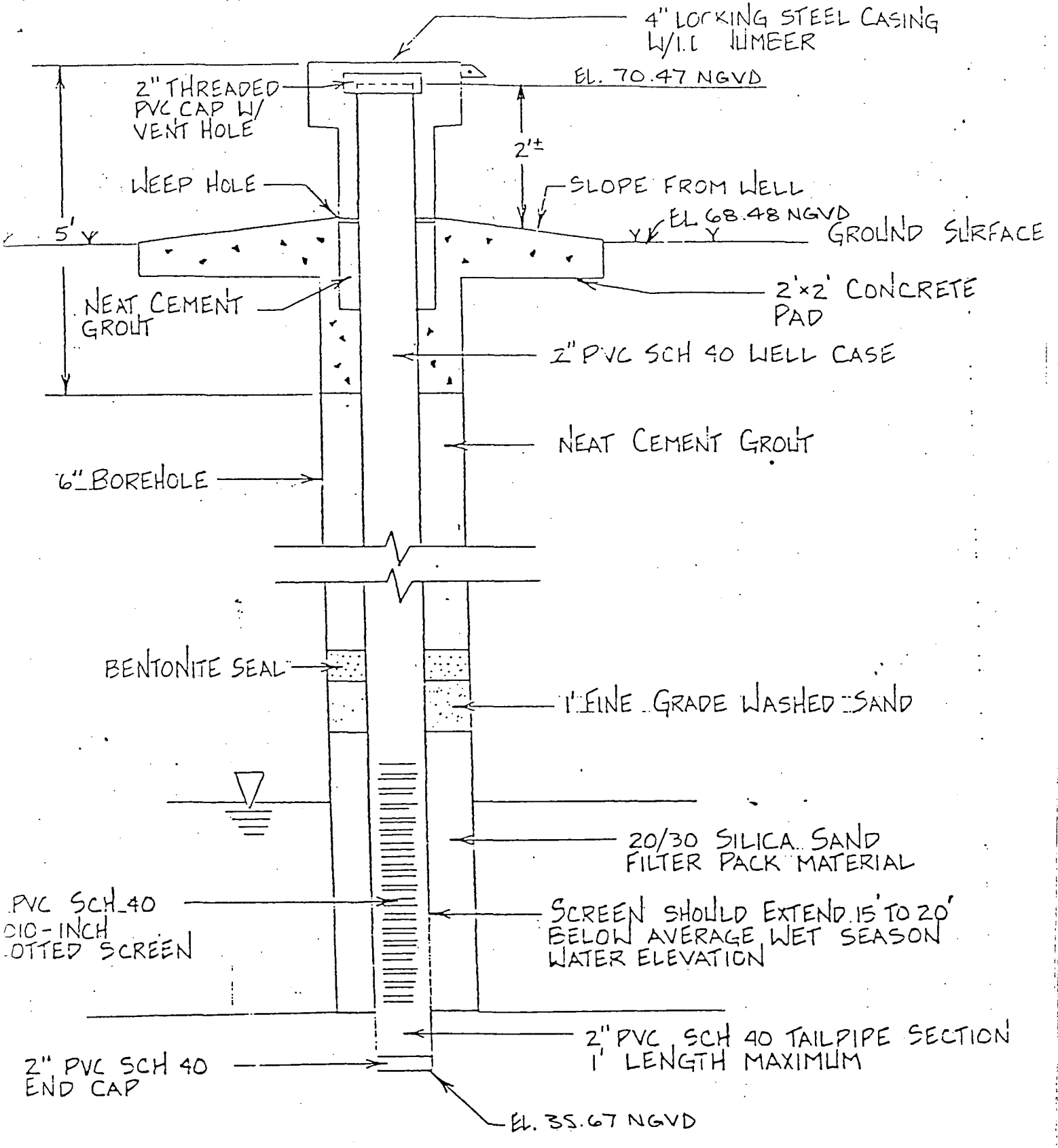
Measuring Pt. (Describe): Top 4" pipe

Which is 1½ Ft. [X] Above [ ] Below Land Surface

Depth (Ft.) From	Depth (Ft.) To	Examine cuttings at 20 ft. or smaller intervals and at changes. Give color, grain-size and type of material. Note any cavities. Indicate producing zones. Attach additional sheets if necessary.
0	20	Dark Grey Sand
20	40	Dark Grey & White Clay
40	60	" " " "
60	70	" " "
70	80	Hard white Lime
80	105	Sand & Soft Brown Rock
105	120	Black Sandy Clay
120	140	Brown Sandy Clay
140	149	Brown Limestone
149	169	Brown & white Limestone Hard
169	175	" " " " " Soft

Driller's Name Chuck Rabold

MWS



EXISTING GROUND WATER MONITOR WELL #4

SPRINGSTEAD ENGINEERING INC.

GROUND WATER MONITOR WELL

11-3-88 N.T.S. C-103 C-103

Monitoring Well Completion Report

Source Name: Sumter County Landfill

DER Permit No.: S060-30674

Well No.: 4

28 ° 44 ' 28 " N 82 ° 05 ' 16 " E *

Aquifer: Surficial Flow: N.E.

Screen length: 5 Ft. type: PVC Slot size: 0.010 in

Depth of Well: 34.8 ft.

Elevation (NVGD):

Top of Pipe 70.47 ft.

Ground 68.48 ft.

Top of screen 42.67 ft.

Bottom of screen 37.67 ft.

Pipe Diameter 2 in.

Casing Diameter: 6 in

Casing type: PVC casing length: 30 ft.

SWFWMD Permit No: 407449-19

Attached: Driller's log; sketch

* Referenced point see sketch.

Please complete in black ink or type

Form No. 25-18-5/83

WELL COMPLETION REPORT

Owner's Name Springstead & Associates

Permit Number: 407449-19

x Raymond Desmond 20 Sept 85
Water Well Contractor's Signature — Completion Date

License No. 1150

SURFACE CASING, CASING AND LINER MATERIAL:

Types	Diam. (In.)	From (Ft.)	To (Ft.)
PVC Sch 40	6 in	0	30
PVC Sch 40	2 in	0	37
Gravel Pack		30	37
Neat Cement: No. of Bags		**From (Ft.)**	**To (Ft.)**
5 Bags		0	25
SAND		25	30

IRON: ___ ppm SULFATES: ___ ppm CHLORIDES: ___ ppm

FINISH: Screen: 5 (Ft.) Open Hole: 0 (Ft.)

WELL LOCATION

¼ ¼ ¼ of Section 15

Township	(N-S)	Range	(E-W)	Locate in Section
20	S	22	E	

Latitude: Deg. ___ Min. ___ Sec. ___ N

Longitude: ___ ___ ___ W

Optional may be required

DRILL METHOD

[X] Rotary [ ] Cable Tool [ ] Jet [ ] Auger Other ___

Measured Static Water Level ___ + ___ - ___ Ft.

Measured Pumping Water Level ___ + ___ - ___ Ft.

After ___ Hours At ___ G.P.M.

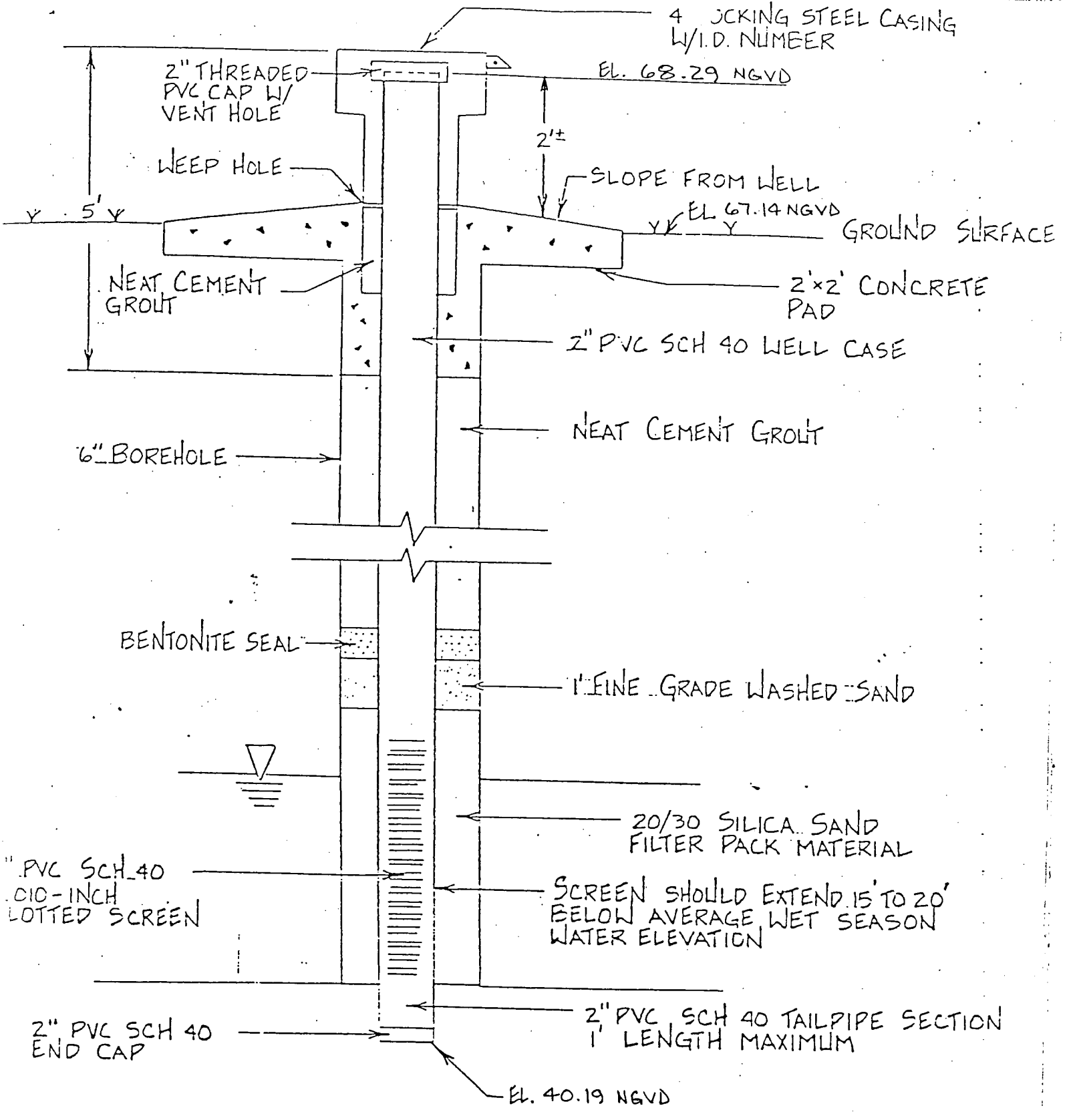
Measuring Pt. (Describe): ___

Which is ___ Ft. [ ] Above [ ] Below Land Surface

Depth (Ft.) From	Depth (Ft.) To	Examine cuttings at 20 ft. or smaller intervals and at changes. Give color, grain-size and type of material. Note any cavities. Indicate producing zones. Attach additional sheets if necessary.
0	10	BROWN SAND
10	20	BROWN SANDY CLAY
20	30	BROWN CLAY
30	37	White limestone

Driller's Name Chuck Rabold

MW 4



EXISTING GROUND WATER MONITOR WELL #3

SPRINGSTEAD ENGINEERING INC.

GROUND WATER MONITOR WELL

Monitoring Well Completion Report

Source Name: Sumter County Landfill

DER Permit No.: SO60-30674

Well No.: 3

28 ° 44 ' 28 " N 82 ° 05 ' 16 " E *

Aquifer: Surficial Flow: N.E.

Screen length: 5 Ft. type: PVC Slot size: 0.010 in

Depth of Well: 28.1ft.

Elevation (NVGD):

Top of Pipe 68.29 ft.

Ground 67.14 ft.

Top of screen 47.19 ft.

Bottom of screen 42.19 ft.

Pipe Diameter 2 in.

Casing Diameter: 6 in

Casing type: PVC casing length: 20 ft.

SWFWMD Permit No: 407448-19

Attached: Driller's log; sketch

* Referenced point see sketch.

WELL COMPLETION REPORT

Owner's Name: Springstead - Associates

Permit Number: 407450-19

x Raymond Jamnik 15 Sept 85
Water Well Contractor's Signature — Completion Date

License No. 1150

DRILL M: 100

~~Rotary~~ [ ] Cable Tool [ ] Jet [ ] Auger Other _____

Measured Static r Level _____ + _____ . _____ Ft.

Measured Pumping Water Level _____ + _____ . _____ Ft.

After _____ Hours At _____ G.P.M.

Measuring Pt. (Describe): _____

Which is _____ Ft. [ ] Above [ ] Below Land Surface

SURFACE CASING, CASING AND LINER MATERIAL:

Types	Diam. (In.)	From (Ft.)	To (Ft.)
PVC Sch 40	6IN	0	20
PVC Sch 40	2IN	0	37
GRAVEL PACK		30	37
Neat Cement: No. of Bags		From (Ft.)	To (Ft.)
8 BAGS		0	28
SAND		28	30

IRON: ___ ppm SULFATES: ___ ppm CHLORIDES: ___ ppm

FINISH: Screen: 5 (Ft.) Open Hole: 0 (Ft.)

WELL LOCATION

___ ¼ ___ ¼ ___ ¼ of Section 15

20	S	22	E
Township	(N-S)	Range	(E-W)

Locate in Section

Latitude: Deg. ___ Min. ___ Sec. ___ N

Longitude: Deg. ___ Min. ___ Sec. ___ W

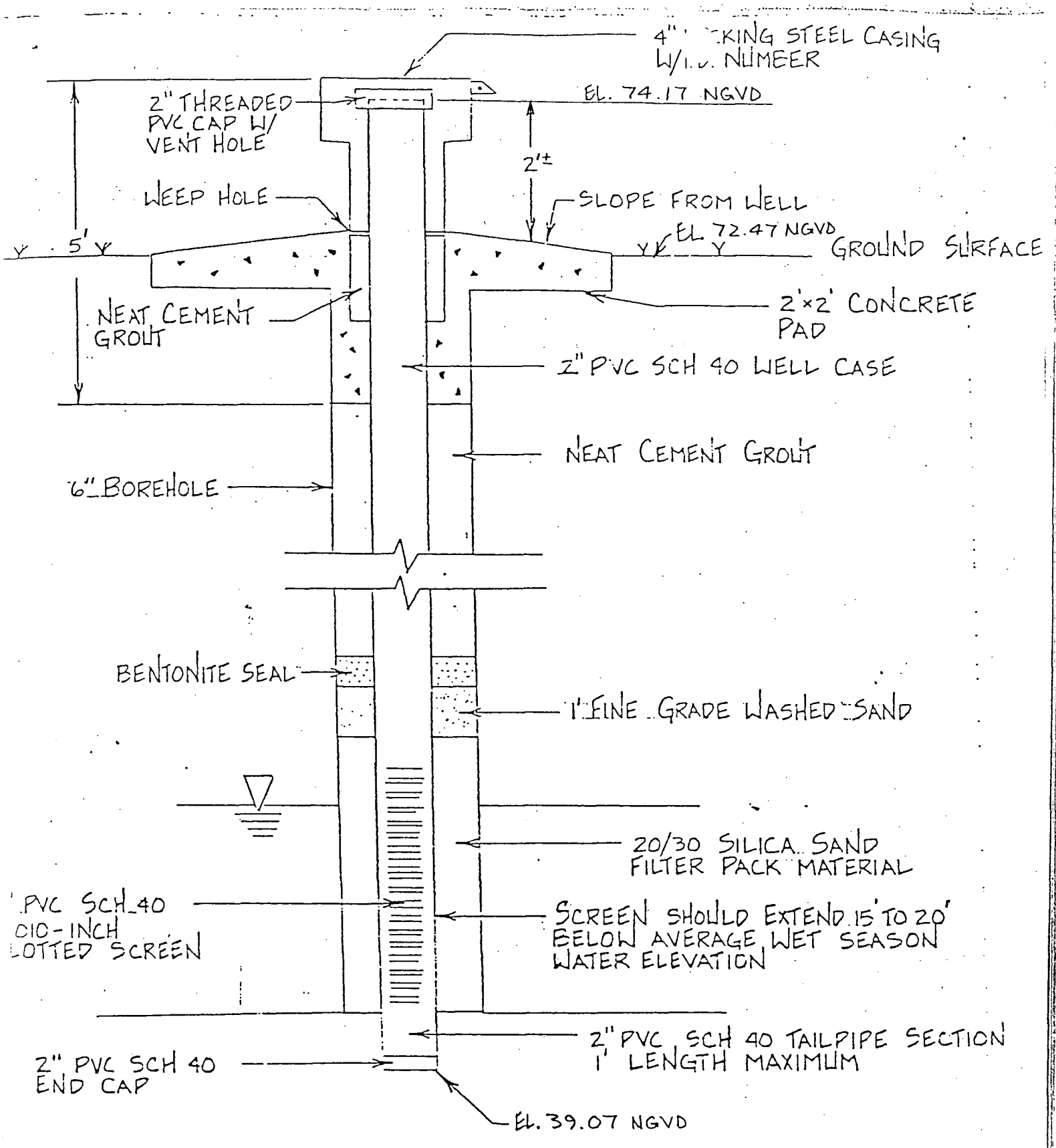
Optional may be required

Depth (Ft.) From	Depth (Ft.) To	Examine cuttings at 20 ft. or smaller intervals and at changes. Give color, grain-size and type of material. Note any cavities. Indicate producing zones. Attach additional sheets if necessary.
0	10	BROWN SAND
10	20	BROWN SANDY CLAY
20	30	BROWN CLAY
30	37	White limestone

Driller's Name Chuck Ratcliff

BEST AVAILABLE COPY

MW3



EXISTING GROUND WATER MONITOR WELL #2

SPRINGSTEAD ENGINEERING INC.

CONSULTING ENGINEERS

GROUND WATER MONITOR WELL

11-3 88 N.T.S. C-103 C-103

Monitoring Well Completion Report

Source Name: Sumter County Landfill

DER Permit No.: SO60-30674

Well No.: 2

28 ° 44 ' 28 " N 82 ° 05 ' 16 " E *

Aquifer: Surficial Flow: N.E.

Screen length: 5 Ft. type: PVC Slot size: 0.010 in

Depth of Well: 35.1 ft.

Elevation (NVGD):

Top of Pipe 74.17 ft.

Ground 72.47 ft.

Top of screen 46.07 ft.

Bottom of screen 41.07 ft.

Pipe Diameter 2 in.

Casing Diameter: 6 in

Casing type: PVC casing length: 30 ft.

SWFWMD Permit No: 407447-19

Attached: Driller's log; sketch

* Referenced point see sketch.

Please complete in black ink or type

Form No. 25-18-5/83

WELL COMPLETION REPORT

Owner's Name Springstead + Soxinles

Permit Number: 407447-19

X [signature] 19Sept85

Water Well Contractor's Signature — Completion Date

License No. 1150

SURFACE CASING, CASING AND LINER MATERIAL:

Types	Diam. (In.)	From (Ft.)	To (Ft.)
PVC Sch 40	6IN	0	30
PVC Sch 40	2IN	0	37
Gravel Pack		30	37
Neat Cement: No. of Bags		**From (Ft.)**	**To (Ft.)**
6 BAGS		0	28
SAND		28	30

IRON: ___ ppm SULFATES: ___ ppm CHLORIDES: ___ ppm

FINISH: Screen: 5 (Ft.) Open Hole: 0 (Ft.)

WELL LOCATION

___ ¼ ___ ¼ ___ ¼ of Section 15

20 Township (N-S) 5 Range 22 (E W) E

Locate in Section

Latitude: Deg. ___ Min. ___ Sec. ___ N

Longitude: ___ ___ ___ W

Optional may be required

DRILL METHOD

X Rotary [ ] Cable Tool [ ] Jet [ ] Auger Other ___

Measured Static Water Level ___ + ___ - ___ Ft.

Measured Pumping Water Level ___ + ___ - ___ Ft.

After ___ Hours At ___ G.P.M.

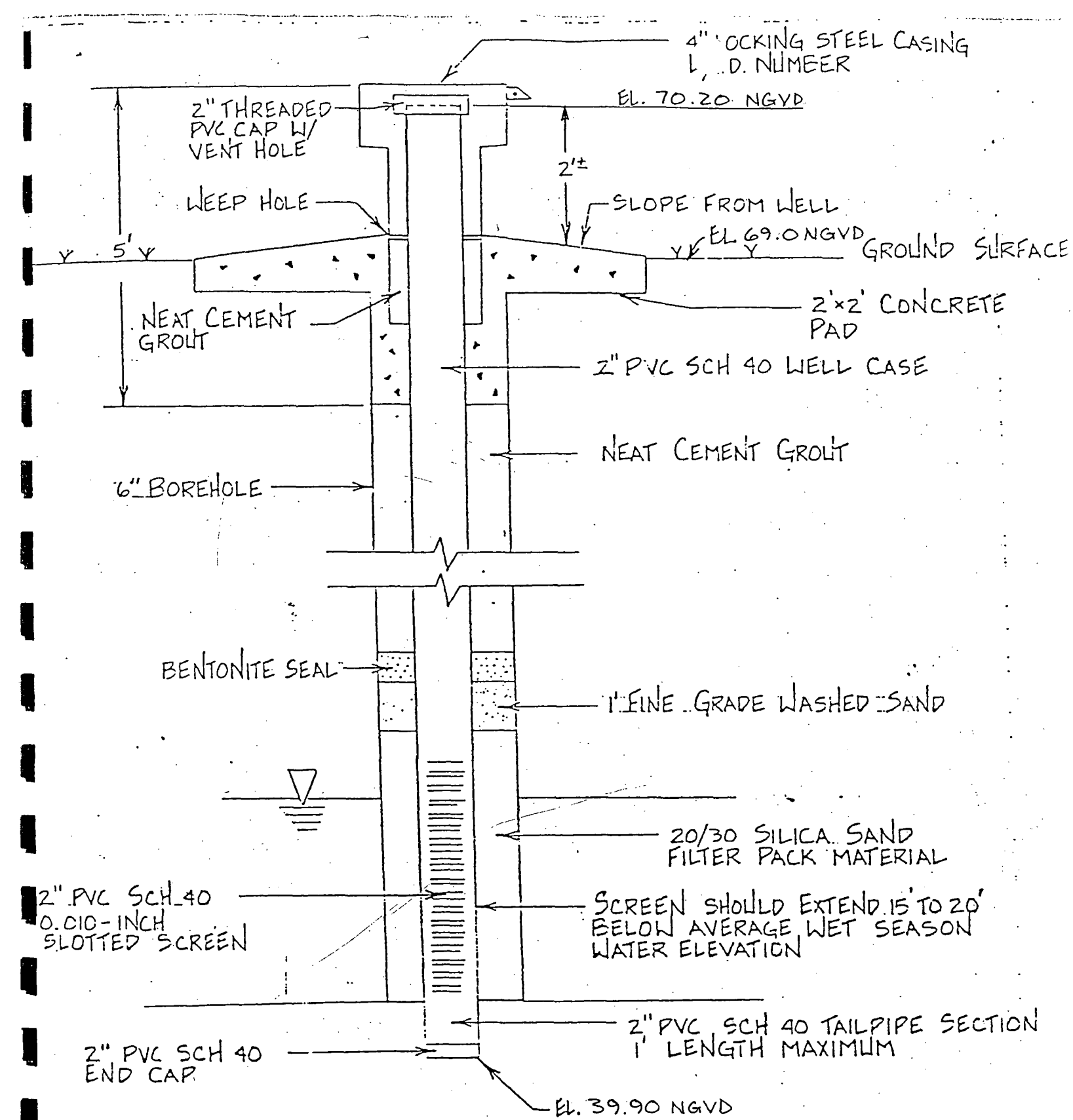
Measuring Pt. (Describe): ___

Which is ___ Ft. [ ] Above [ ] Below Land Surface

Depth (Ft.) From	Depth (Ft.) To	Examine cuttings at 20 ft. or smaller intervals and at changes. Give color, grain-size and type of material. Note any cavities. Indicate producing zones. Attach additional sheets if necessary.
0	10	BROWN SAND
10	18	BROWN SANDY CLAY
18	30	BROWN CLAY
30	37	White limestone

Driller's Name Rex Sigtin

MW2



EXISTING GROUND WATER MONITOR WELL #1

SPRINGSTEAD ENGINEERING INC.
CONSULTING ENGINEERS

GROUND WATER MONITOR WELL

11-3-88 N.T.S. C-103

D. E. R.

Monitoring Well Completion Report

MAR 2 0 1987

SOUTH WEST DISTRICT
TAMPA

Source Name: Sumter County Landfill

DER Permit No.: SO60-30674

Well No.: 1

28 ° 44 ' 28 " N 82 ° 05 ' 16 " E *

Aquifer: Surficial Flow: N.E.

Screen length: 5 Ft. type: PVC Slot size: 0.010 in

Depth of Well: 30.3ft.

Elevation (NVGD):

Top of Pipe 70.20 ft.

Ground 69.0 ft.

Top of screen 46.90 ft.

Bottom of screen 41.90 ft.

Pipe Diameter 2 in.

Casing Diameter: 6 in

Casing type: PVC casing length: 20 ft.

SWFWMD Permit No: 407446-19

Attached: Driller's log; sketch

* Referenced point see sketch.

WELL COMPLETION REPORT

Owner's Name Springstead + Arcinides

Permit Number: 407446 - 19

x Raymond Tourand 18 Sept 85

Water Well Contractor's Signature Completion Date

License No. 1150

SURFACE CASING, CASING AND LINER MATERIAL:

Types	Diam. (In.)	From (Ft.)	To (Ft.)
PVC Sch 40	6 in	0	20
PVC Sch 40	2 in	0	32
Gravel Pack		25	32
Neat Cement: No. of Bags		**From (Ft.)**	**To (Ft.)**
6 Bags		0	23
Sand		23	25

IRON: ___ ppm SULFATES: ___ ppm CHLORIDES: ___ ppm

FINISH: Screen: 5 (Ft.) Open Hole: 0 (Ft.)

WELL LOCATION

___ ¼ ___ ¼ ___ ¼ of Section 15

20	S	22	E
Township	(N-S)	Range	(E-W)

Locate in Section

Latitude ☐☐ Deg. ☐☐ Min. ☐☐ Sec. N

Longitude ☐☐ Deg. ☐☐ Min. ☐☐ Sec. W

Optional may be required

DRILL METHOD

[X] Rotary [ ] Cable Tool [ ] Jet [ ] Auger Other ___

Measured Static Level ___ + ___ - ___ Ft.

Measured Pumping Water Level ___ + ___ - ___ Ft.

After ___ Hours At ___ G.P.M.

Measuring Pt. (Describe): ___

Which is ___ Ft. [ ] Above [ ] Below Land Surface

Depth (Ft.) From	Depth (Ft.) To	Examine cuttings at 20 ft. or smaller intervals and at changes. Give color, grain-size and type of material. Note any cavities. Indicate producing zones. Attach additional sheets if necessary.
0	10	Brown Sand
10	15	Brown Sandy Clay
15	22	Brown Clay
22	32	White limestone

Driller's Name Rex Siglin

MW1

BEST AVAILABLE COPY

Jefferson L. Flowers, Ph. D.
Jefferson S. Flowers, Ph. D.

Ph. (305) 339-5984

FLOWERS CHEMICAL LABORATORIES

ANALYTICAL & CONSULTING CHEMISTS

Received From:
SSpringstead Enginee
PO Box 448
Leesburg, FL 32749

Date Reported: Jan31 1987

DHRS Lab# : 83139
DER Lab# : EL0096
AIHA Lab# : 253

For: NO3 GA CL SO4 FE HS NH4 TOC CF DCB DBC BF TTHM
Date Received: Jan15 1987 Lab Numbers: 8287-8287

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	8287 SUMTER LANDF. WELL 5
Nitrates	mgN/L	0.01	99.6	0	0.01
Gross_Alpha	pCi/L	DHRS 13106			<3
Chlorides	mgCl/L	0.01	101	.65	25.1
Sulfates	mgSO4/L	1	101	1.18	217
Iron	mgFe/L	0.003	99.2	0	0.118
Sulfides	mgH2S/L	0.004			0.127
Ammonia	mgN/L	0.05	97.2	3.8	0.08
Tot.Org.Carbon	mgTOC/L	1	100	.9	33
Chloroform	ppb	1	99.1	1.92	192
Bromodichl_Meth	ppb	1	98.3	2.37	<1
diBromochl_Meth	ppb	1	101	1.11	<1
Bromoform	ppb	1	96.1	2.04	<1
Total_THM	ppb	1			192

RECEIVED
FEB 5 1987
S & A/ Q103
CC: PB
JD

Data Release Authorization
Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with Fed GA and EPA approved methodology.

Jefferson S. Flowers, Ph.D.
Technical Director

...on L. Flowers, Ph. D.
Jefferson S. Flowers, Ph. D.

Ph. (305) 339-5984

FLOWERS CHEMICAL LABORATORIES

ANALYTICAL & CONSULTING CHEMISTS

RECEIVED
FEB 3 1987
S & A/ 0103
cc: PB
JD

Received From:
SSpringstead Enginee
PO Box 448
Leesburg, FL 32749

Date Reported: Jan31 1987

DHRS Lab# : 83139
DER Lab# : EL0096
AIHA Lab# : 253

For: NO3 GA CL SO4 FE HS NH4 TOC CF DCB DBC BF TTHM
Date Received: Jan15 1987 Lab Numbers: 8287-8287

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	8287 SUMTER LANDF. WELL 5
Nitrates	mgN/L	0.01	99.6	0	0.01
Gross_Alpha	pCi/L	DHRS 13186 TO FOLLOW			
Chlorides	mgCl/L	0.01	101	.65	25.1
Sulfates	mgSO4/L	1	101	1.18	217
Iron	mgFe/L	0.003	99.2	0	0.118
Sulfides	mgH2S/L	0.004			0.127
Ammonia	mgN/L	0.05	97.2	3.8	0.08
Tot.Org.Carbon	mgTOC/L	1	100	.9	33
Chloroform	ppb	1	99.1	1.92	192
Bromodichl_Meth	ppb	1	98.3	2.37	<1
diBromochl_Meth	ppb	1	101	1.11	<1
Bromoform	ppb	1	96.1	2.04	<1
Total_THM	ppb	1			192

Data Release Authorization
Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.

Jefferson S. Flowers, Ph.D.
Technical Director

...n L. Flowers, Ph. D.
...fferson S. Flowers, Ph. D.

Ph. (305) 339-5984

FLOWERS CHEMICAL LABORATORIES

ANALYTICAL & CONSULTING CHEMISTS

Received From:
SPRINGSTEAD ENG.
*
**

Date Reported: Jan31 1987

DHRS Lab# : 83139
DER Lab# : EL0096
AIHA Lab# : 253

RECEIVED
FEB 3 1987
S & A/

For: VO
Date Received: Jan15 1987 Lab Numbers: 8288-8288

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	8288 SUMTER LANDFL WELL 5
Trichloroethylene	ug/L	1	106	1.15	<1
Tetrachloroethylene	ug/L	0.3	106	1.15	<0.30
Carbon_Tetrachloride	ug/L	1	106	1.15	<1
Vinyl_Chloride	ug/L	0.5	106	1.15	<0.50
1,1,1-Trichloroethan	ug/L	2	106	1.15	<2
1,2-Dichloroethane	ug/L	1	106	1.15	<1
Benzene	ug/L	0.5	106	1.15	<0.50
Ethylene_Dibromide	ug/L	0.005	106	1.15	<0.005

Data Release Authorization
Sample integrity and reliability certified by Lab personnel prior to analysis.
Methods of analysis in accordance with FCL QA and EPA approved methodology.

Jefferson S. Flowers, Ph.D.
Technical Director

NEWBURYPORT & 2nd St., P.O. BOX 597, ALTAMONTE SPRINGS, FLA. 32715-0597

RADIOCHEMICAL ANALYSIS OF DRINKING WATER

PWS ID

Public Water System: Name and Address

SUMTER COUNTY LANDFILL SAMPLES

Job No. C-103

Send Results to: Name and Address

Jonathan Diller
Springstead Engineering, Inc.
P. O. Box 448
Leesburg, FL 32749-0448 904/787-1414

* SAMPLE ID= S - 5097

Contaminant ID	CONTAMINANT NAME	ANALYSIS METHOD	ANALYSIS RESULTS	ANALYSIS ERROR	ANALYSIS DATE MO.	DAY	YR.	SAMPLE ANALYZED BY
4000	Gross Alpha	401	27.0	4.0	01	16	87	J. Escalante

SAMPLE PRESERVATION

HNO_3	X
HCL	
Other: Specify	
Lab: Specify	

* LAB ID# 13186

ALL RESULTS IN PICOCURIES PER LITER (pCi/L)

CHECK ONE:

- ☐ 1st Quarter
- ☐ 2nd Quarter
- ☐ 3rd Quarter
- ☐ 4th Quarter
- ☐ COMPOSITE

LOCATION CODE	LOCATION NAME
	#1

SAMPLE DATE: MO. 12 DAY 30 YR. 86

SAMPLE: TYPE NO TIME

SAMPLE COLLECTED BY: J. Diller

* LAB NAME: DHRS

SAMPLE TYPE KEY
C. Check Sample
D. Regular Distribution Sample
P. Plant Tap Sample
R. Raw Water Sample
S. Special Sample
N. Non-Community Samples

State of Florida
HRS-Office of Radiation Control
P.O. Box 15490
Orlando, FL 32858-5490
Attn: Safe Drinking Water Lab

(305) 299-0580

Prepared By _____ Date __/__/__ Approved By _____ Date __/__/__

*FOR LAB USE ONLY

PRESS HARD. YOU ARE MAKING 4 COPIES

HRS FORM 1124, MAY 82 (Replaces previous editions)

RADIOCHEMICAL ANALYSIS OF DRINKING WATER

PWS ID

Public Water System; Name and Address

SUMTER COUNTY LANDFILL

Job No. C-103

Send Results to: Name and Address

Jonathan Diller
Springstead Engineering, Inc.
P. O. Box 448
Leesburg, FL 32749-0448 904/787-1414

* SAMPLE ID# S - 6074

Contaminant ID	CONTAMINANT NAME	ANALYSIS METHOD	ANALYSIS RESULTS	ANALYSIS ERROR	ANALYSIS DATE MO.	DAY	YR.	SAMPLE ANALYZED BY
4000	Gross Alpha	401	20.0	6.0	01	16	87	J. Escalante

SAMPLE PRESERVATION	
HNO_3	X
HCL	
Other: Specify	
Lab: Specify	

* LAB ID# 13186

ALL RESULTS IN PICOCURIES PER LITER (pCi/L)

CHECK ONE:
- ☐ 1st Quarter
- ☐ 2nd Quarter
- ☐ 3rd Quarter
- ☐ 4th Quarter
- ☐ COMPOSITE

LOCATION CODE	LOCATION NAME
	C-103

SAMPLE DATE MO.	DAY	YR.
12	23	86

SAMPLE TYPE	SAMPLE TIME
	1530

SAMPLE COLLECTED BY: J. Diller

* LAB NAME: DHRS

SAMPLE TYPE KEY
C. Check Sample
D. Regular Distribution Sample
P. Plant Tap Sample
R. Raw Water Sample
S. Special Sample
N. Non-Community Samples

State of Florida
HRS-Office of Radiation Control
P.O. Box 15490
Orlando, FL 32858-5490
Attn: Safe Drinking Water Lab

(305) 299-0580

RECEIVED
JAN 29 1987
S & A/C-103
CC: RB
JD

Prepared By _____ Date __/__/__ Approved By _____ Date __/__/__

*FOR LAB USE ONLY

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HRS FORM 1124. MAY 82 (Replaces previous editions)

RADIOCHEMICAL ANALYSIS OF DRINKING WATER

PWS ID

Public Water System: Name and Address

SUMTER COUNTY LANDFILL SAMPLES

Job No. C-103

Send Results to: Name and Address

Jonathan Diller
Springstead Engineering, Inc.
P. O. Box 448
Leesburg, FL 32749-0448 904/787-1414

* SAMPLE ID= S - 6099

Contaminant ID	CONTAMINANT NAME	ANALYSIS METHOD	ANALYSIS RESULTS	ANALYSIS ERROR	ANALYSIS DATE MO.	DAY	YR.	SAMPLE ANALYZED BY
4000	Gross Alpha	401	4.0	2.0	01	16	87	J. Escalante

SAMPLE PRESERVATION

HNO_3	X
HCL	
Other: Specify	
Lab: Specify	

* LAB ID# 13186

ALL RESULTS IN PICOCURIES PER LITER (pCi/L)

CHECK ONE:
- ☐ 1st Quarter
- ☐ 2nd Quarter
- ☐ 3rd Quarter
- ☐ 4th Quarter
- ☐ COMPOSITE

LOCATION CODE	LOCATION NAME
	#2

SAMPLE DATE: MO. 12 DAY 30 YR. 86

SAMPLE: TYPE NO TIME

SAMPLE COLLECTED BY: J. Diller

* LAB NAME: DHRS

SAMPLE TYPE KEY
- C. Check Sample
- D. Regular Distribution Sample
- P. Plant Tap Sample
- R. Raw Water Sample
- S. Special Sample
- N. Non-Community Samples

State of Florida
HRS-Office of Radiation Control
P.O. Box 15490
Orlando, FL 32858-5490
Attn: Safe Drinking Water Lab

(305) 299-0580

Prepared By _____ Date __/__/__ Approved By _____ Date __/__/__

*FOR LAB USE ONLY

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HRS FORM 1124, MAY 82 (Replaces previous editions)

POST, BUCKLEY, SCHUH & JERNIGAN, INC.
ORLANDO, FLORIDA

PAGE 1 PBSJ LABORATORY REPORT LAB # 86-12-177

RECEIVED: 12/29/86 01/20/87 16:04:50

REPORT TO
SPRINGSTEAD ENGINEERING INC.
P.O. BOX 448
727 S. 14TH STREET
LEESBURG, FL. 32749-0448
ATTEN JONATHAN DILLER

PREPARED BY
PBS&J Laboratory
889 N. Orange Ave.
Orlando, Florida 32801
DHRS# 83170, AIHA# 213
ATTEN Kimberly Kunihiro
PHONE (305) 423-7275

K A Kunihiro
CERTIFIED BY

CONTACT KUNIHIRO

CLIENT SPRINGSTEAD SAMPLES 1
COMPANY SPRINGSTEAD ENGINEERING INC.
FACILITY SUMTER COUNTY LANDFILL SAMPLE

We are pleased to provide this report of analysis. If you have any questions regarding this report or further analysis please feel free to telephone.

WORK ID JOB #C-103
TAKEN ONE WATER ANALYSIS
TRANS
TYPE
P.O. #
INVOICE under separate cover

FRACTION 01

	GROSS ALPHA(pCi/L)
SETTLED SUPERNATANT	25.2+/-9.8
FILTERED	19.2+/-8.9

Duplicate of report of 12/30/86.

SAMPLE IDENTIFICATION

01 SUMTER COUNTY LANDFILL

PBSJ LABORATORY TEST CODES and NAMES used on this report

GAW GROSS ALPHA IN WATER

RECEIVED
JAN 22 1987
S & A/ (103)

SAMPLE ID SHED SAMPLE # 01 FRACTIONS: A
Date & Time Collected 12/30/86 12:30:00 Category

GAW <2.0 pCi/l

SAMPLE ID #1 SAMPLE # 02 FRACTIONS: A
Date & Time Collected 12/30/86 12:30:00 Category

GAW 778+/-176 pCi/l

SAMPLE ID #2 SAMPLE # 03 FRACTIONS: A
Date & Time Collected 12/30/86 12:30:00 Category

GAW 96+/-26.5 pCi/l

RECEIVED
FEB 11 1987

W. EMMETT BOLCH, PH.D.
ENVIRONMENTAL ENGINEERING AND RADIOLOGICAL HEALTH
REGISTERED PROFESSIONAL ENGINEER

TELEPHONE
(904) 378-5581

4900 N.W. 19th PLACE
GAINESVILLE, FL 32605

PBS&J Sample #	Client Sample I.D.
8612177-01	Sumter County Landfill

NOTES ON SAMPLE SCLF

(1) The water sample was fairly turbid. The sample was analyzed by mixing the contents as received.

(2) No gamma photopeaks other than from naturally occurring radionuclides were detected.

(3) High resolution gamma spectroscopy on a water sample is not suited to detection of radium-226, uranium-238 or thorium-232 at the <ten pCi/l level. However, extraordinary effort, such as counting of the sample overnight (14 hours) does help begin to demonstrate gross contamination.

(4) The various uranium and thorium photopeaks observed are significantly different from the demineralized water background. However, it is quite possible that all the observed net radioactivity is due to the activity of the undissolved solids. For example, 5 grams of 10 pCi/g radium-226 suspended solids in 3.5 liters of water could have produced nearly the same result.

RESULTS

Radionuclide	Net Cncntrtn, pCi/l	BKG LLD, pCi/l
Radium - 226	50	15
Uranium - 238	70	80
Thorium - 232	15	12
Potassium - 40	6	70

W. Emmett Bolch
2/1/87

MW-7
MW-4B
MW-10
MW-6A
MW-4A
MW-4
SUMTER CO. CLASS I LF
MW-1
MW-11
MW-2A
MW-8
MW-9A
MW-9
MW-2
MW-3
SUMTER CO. (WTC)
SUMTER CO. MRF
SUMTER COUNTY
SOLID WASTE FACILITY

NAME	ELEV	LAT_DD	LAT_MM	LAT_SS	LONG_DD	LONG_MM	LONG_SS	LOCATION	INSP_DATE	
MW-1	56 ft	28	44	35.1	82	5	30.3	SUMTER CO	12/12/2002	recheck
MW-6A	59 ft	28	44	40.5	82	5	15.8	SUMTER CO	12/12/2002	recheck
MW-7	66 ft	28	44	42.7	82	5	21	SUMTER CO	12/12/2002	
MW-8	52 ft	28	44	32.1	82	5	14.7	SUMTER CO	12/12/2002	
MW-9	52 ft	28	44	30.3	82	5	18.3	SUMTER CO	12/12/2002	
NAME	**ELEV**	**LAT_DD**	**LAT_MM**	**LAT_SS**	**LONG_DD**	**LONG_MM**	**LONG_SS**	**LOCATION**	**INSP_DATE**	
MW-2	23.9 m	28	44	29.8	82	5	26.7	SUMTER CO	5/27/2003	
MW-4	48.0 m	28	44	38.8	82	5	25.9	SUMTER CO	5/27/2003	
NAME	**ELEV**	**LAT_DD**	**LAT_MM**	**LAT_SS**	**LONG_DD**	**LONG_MM**	**LONG_SS**	**LOCATION**	**INSP_DATE**	
MW-2A		28	44	32.3	82	5	27.6	SUMTER CO	2/22/2005	
MW-4A		28	44	39.5	82	5	26.9	SUMTER CO	2/22/2005	
MW-4B		28	44	40.8	82	5	27.2	SUMTER CO	2/22/2005	recheck
NAME	**ELEV**	**LAT_DD**	**LAT_MM**	**LAT_SS**	**LONG_DD**	**LONG_MM**	**LONG_SS**	**LOCATION**	**INSP_DATE**	
MW-6A		28	44	39.9	82	5	15.2	SUMTER CO	9/9/2005	
MW-9A		28	44	30.4	82	5	19.5	SUMTER CO	9/9/2005	
MW-10		28	44	39.8	82	5	18.9	SUMTER CO	9/9/2005	
MW-11		28	44	35	82	5	27.2	SUMTER CO	9/9/2005	
NAME	**ELEV**	**LAT_DD**	**LAT_MM**	**LAT_SS**	**LONG_DD**	**LONG_MM**	**LONG_SS**	**LOCATION**	**INSP_DATE**	
MW-1	65	28	44	35.1	82	5	30.5	SUMTER CO	1/17/2006	
MW-4B	70	28	44	40.8	82	5	26.3	SUMTER CO	1/17/2006	

Lora Ross
Lora Ross
Lora Ross
Lora Ross
Galbraith/Pelz/Morris

GROUNDWATER MONITORING PLAN EVALUATION
SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
SUMTER COUNTY, FLORIDA

GMS ID NO.: 4060C00092
PERMIT NO.: SF60-211255

Springstead Engineering, inc.

Consulting Engineers – Architects – Planners – Surveyors
727 South 14th Street
Leesburg, Florida 34748
Lake (352) 787-1414
Sumter (352) 793-3639 Fax (352) 787-7221

RECEIVED
AUG 22 1997
D E P

GROUNDWATER MONITORING PLAN EVALUATION
SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
SUMTER COUNTY, FLORIDA

GMS ID NO.: 4060C00092
PERMIT NO.: SF60-211255

Groundwater Monitoring Plan Evaluation
Sumter County Landfill Long-Term Care
GMS ID No: 4060C00092
Permit No: SF60-211255
Sumter County Solid Waste Management Facility
Sumter County, Florida

August 1, 1997

INTRODUCTION

Springstead Engineering, Inc. (SEI) has completed the Groundwater Monitoring Plan Evaluation for the Sumter County Solid Waste Management Facility. This report presents SEI's analysis and evaluation of the groundwater monitoring system at the Sumter County facility.

Specific Condition No.19 of Permit No. SF60-211255 states the following:

> **19. Prior to 90 days before the expiration of the Department Permit, the permittee shall submit an evaluation of the Groundwater Monitoring Plan as per F.A.C. Rule 17-7.050(3)(e). The evaluation shall include all applicable information as required by F.A.C. Chapter 17-520, and shall include an assessment of the effectiveness of the existing landfill design and operation as related to the prevention of groundwater contamination. Any groundwater contamination that may exist, shall be addressed as part of a groundwater investigation for the landfill assessment. As part of the groundwater investigation, the permittee shall sample all groundwater monitoring wells for the Primary and Secondary Drinking Water parameters included in Chapter 17-550, Florida Administrative Code, Drinking Water Standards. The Groundwater Monitoring Plan shall be adequate to monitor any modifications to the existing landfill site including but not limited to closure.**

GROUNDWATER TABLE CONTOUR MAPS

Groundwater table contour maps have been prepared from data collected during the four (4) groundwater sampling events performed during this reporting period. These maps are presented in Appendix A.

Groundwater Monitoring Plan Evaluation
Sumter County Landfill Long-Term Care
GMS ID No: 4060C00092
Permit No: SF60-211255
Sumter County Solid Waste Management Facility
Sumter County, Florida

August 1, 1997

DIRECTION OF GROUNDWATER FLOW

The direction of groundwater flow, as determined by a review of the four (4) groundwater contour maps presented in Appendix A, is in a general westerly direction.

NEW WELLS CONSTRUCTION INFORMATION

No new wells were constructed during this reporting period.

SUMMARY OF ANALYTICAL RESULTS

The results of selected parameters have been tabulated in spreadsheet form to aid in comparisons between the sampling points and between the sampling events. The parameters are:

1. Aluminum;
2. Ammonium;
3. Cadmium;
4. Chloride;
5. Chromium;
6. Color;
7. Iron;
8. Nitrate;
9. pH;
10. Sodium;
11. Specific Conductance;
12. Sulfate;
13. Total Dissolved Solids;
14. Temperature; and
15. Turbidity.

The spreadsheets are presented in Appendix B.

PERTINENT OBSERVATIONS

Based on a review of the analytical data presented in Appendix B, a trend is noted in the third quarter 1996 test results as aluminum and color had some elevated test results in all monitoring wells. The fourth quarter shows a dramatic decrease in these parameters except for MW-1 and MW-4 which decreased with the next sampling events. Iron had elevated test results for the third quarter 1996 in MW-4, MW-6A, MW-8 and MW-9; a decrease was noted with the next sampling event. Turbidity has been a fluctuating problem between wells. After reviewing and adjusting our sampling techniques for the 1997 year, a decrease in the turbidity is noted with the first and second quarter sampling event. It is unknown as to the source of elevated levels of the test parameters.

The Second Quarter, 1997 sampling event marks the end of the fourth full year of sampling and analysis under the present permit at this facility. A recommendation to change some of the parameters from a quarterly to an annual basis may be warranted.

EVALUATION

It is the opinion of Springstead Engineering, Inc. that the existing groundwater monitoring system in operation at the Sumter County Solid Waste Management Facility (GMS ID No. 4060C00092) is in good condition and is performing adequately at this time.

CLOSURE

The analysis and evaluation submitted herein is based on the results of field and analytical testing parameters performed over the past 12 months. This report has been prepared in accordance with generally accepted hydrogeological and geotechnical

engineering practices.

If you have any questions concerning the content of this report or if you require additional information, please contact our office.

Very truly yours,

SPRINGSTEAD ENGINEERING, INC.

Judi M. Kelch
Environmental Technician

David W. Springstead, P.E.
Vice-President
Fl. Reg. Number 48229

cc: Mr. Garry Breeden - Sumter County
Mr. Terry Hurst - Sumter County

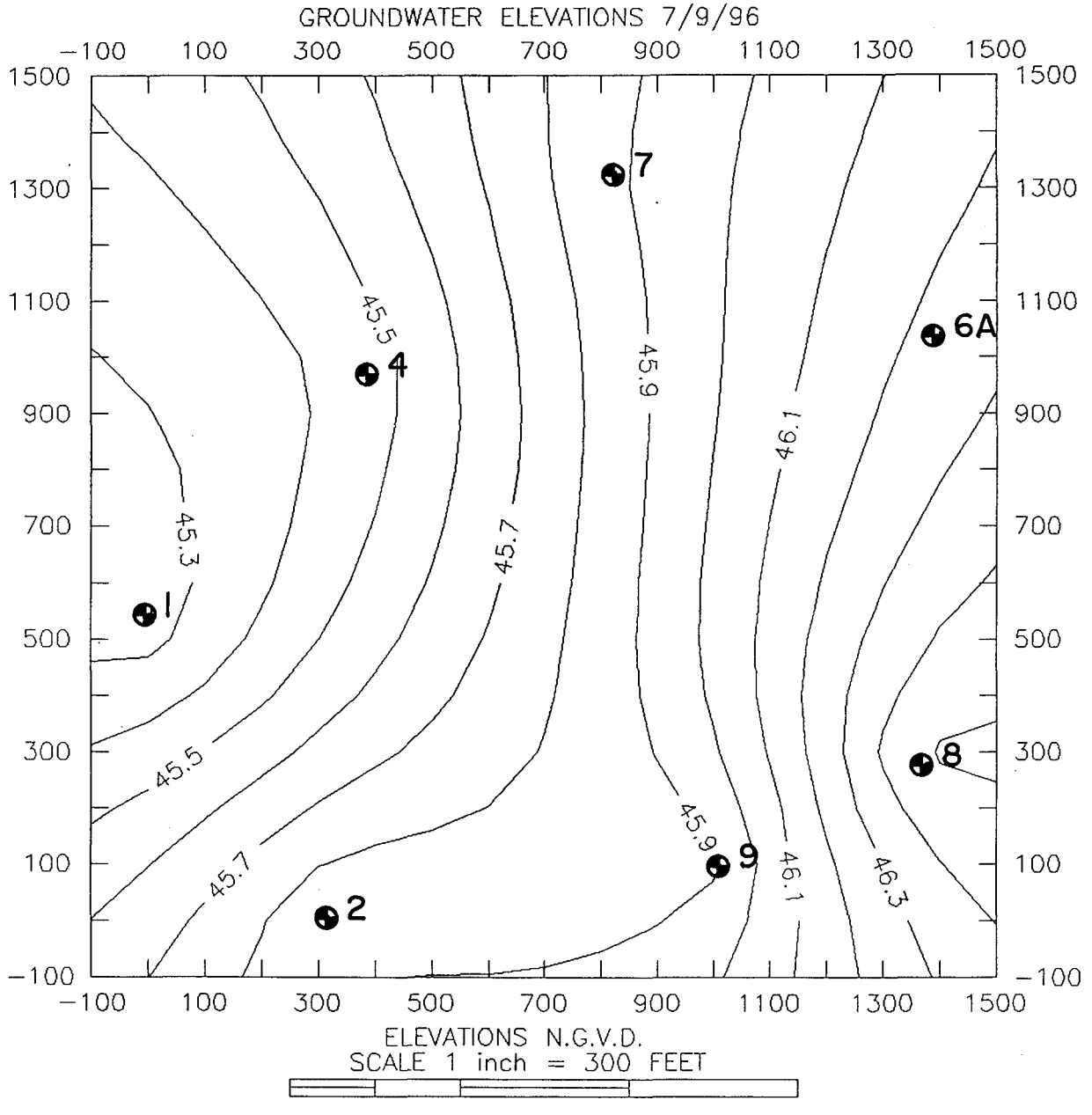
GROUNDWATER MONITORING PLAN EVALUATION

AT

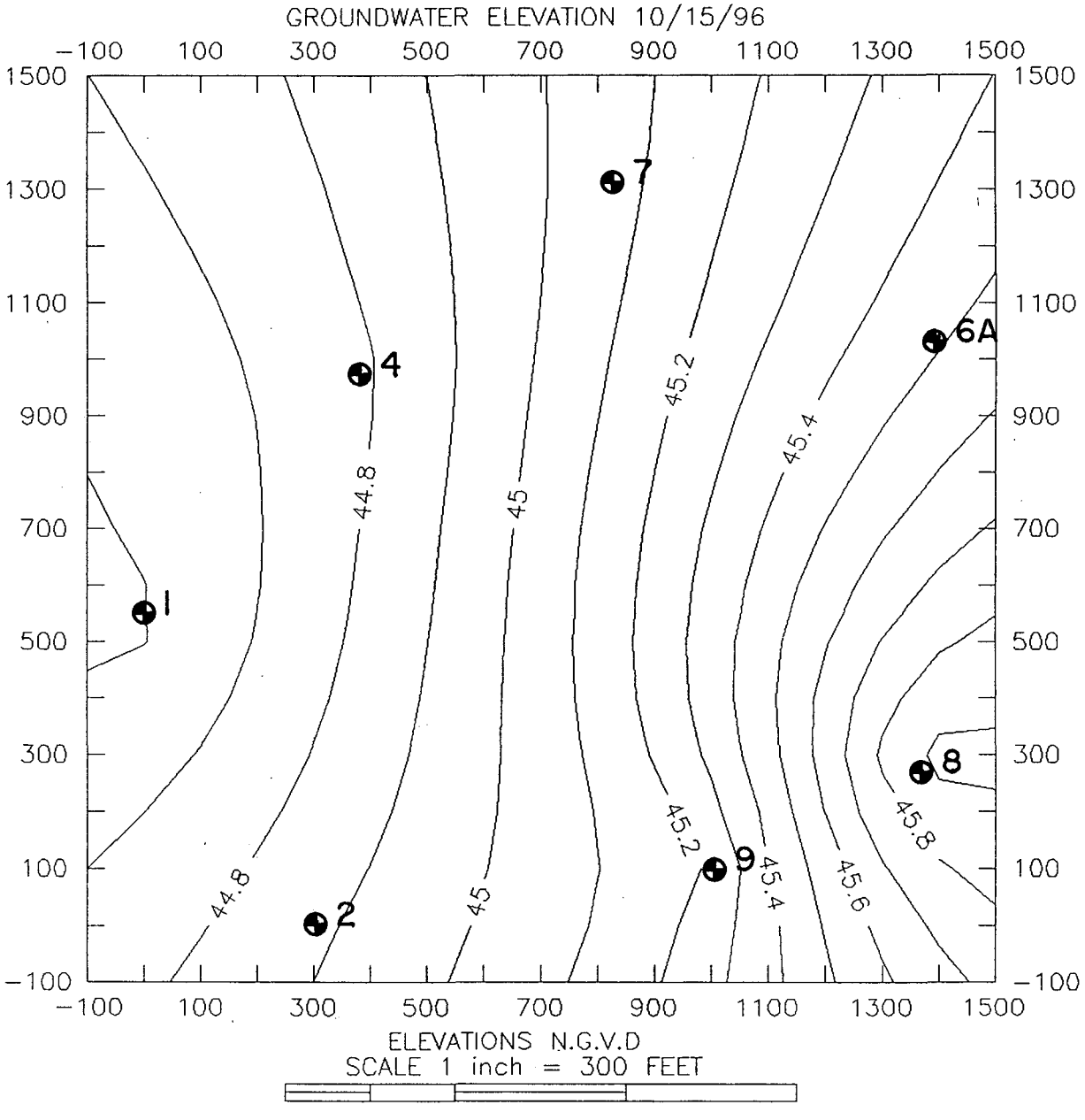
SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY

APPENDIX A
GROUNDWATER ELEVATION CONTOUR MAPS

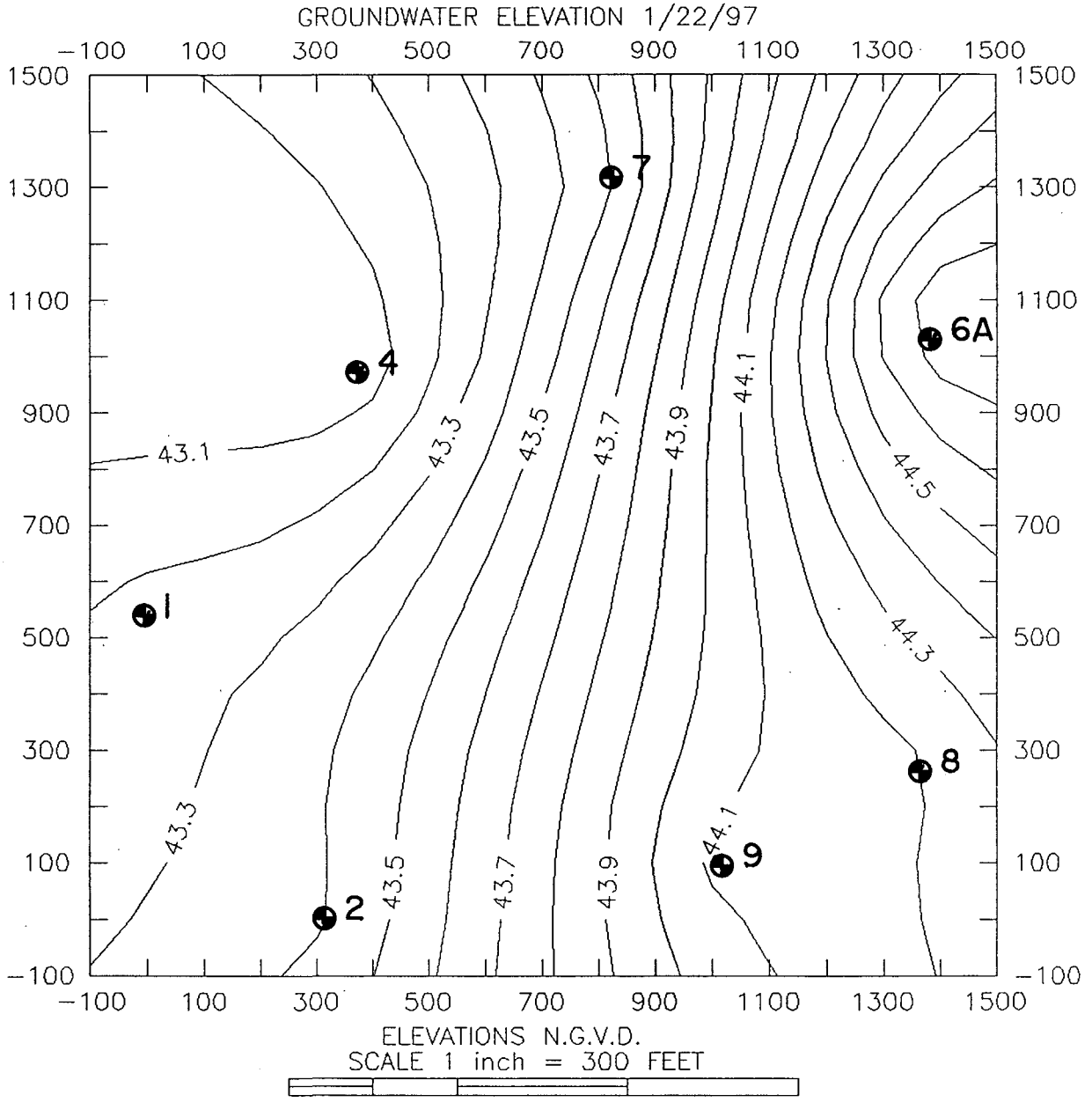
SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY



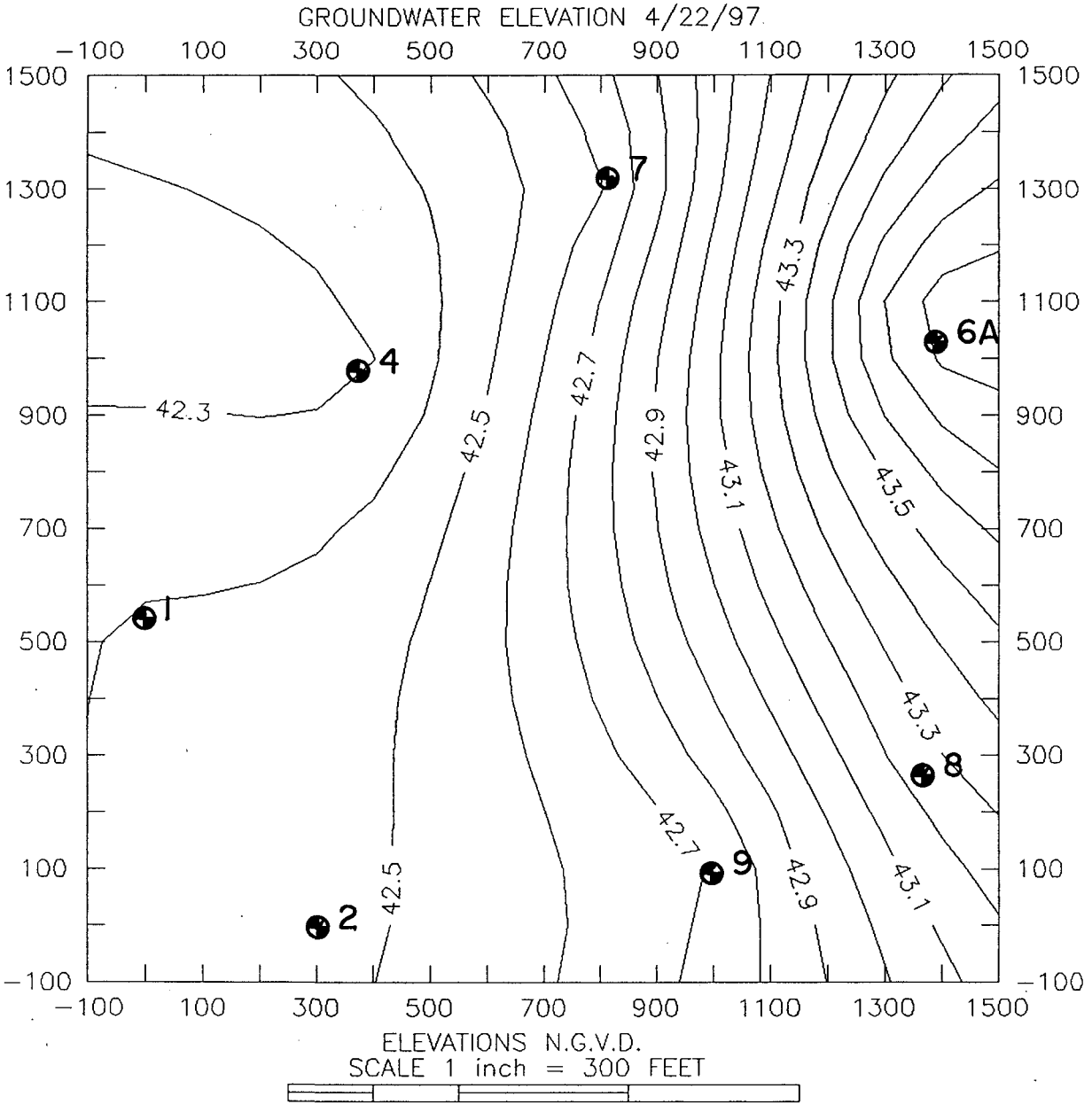
SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY



SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY



SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY



GROUNDWATER MONITORING PLAN EVALUATION

AT

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY

APPENDIX B
SPREADSHEET LISTING OF SELECTED PARAMETERS

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
ANALYTICAL TEST RESULTS

ALUMINUM mg/L MCL = 0.2 mg/L

DATE	MW1	MW2	MW4	MW6A	MW7	MW8	MW9
08-01-96	1.5	0.839	2.81	11.9	28.5	3.75	1.59
10-30-96	2.17	0.179	1.41	0.367	0.11	0.592	0.162
02-11-97	0.29	0.189	1.02	0.337	0.303	0.401	0.194
05-19-97	0.243	0.023	0.073	0.117	0.192	0.022	0.024

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
ANALYTICAL TEST RESULTS

AMMONIUM mg/L

DATE	MW1	MW2	MW4	MW6A	MW7	MW8	MW9
08-01-96	<0.01	<0.01	0.0348	<0.01	<0.01	0.0841	<0.01
10-30-96	<0.01	<0.01	<0.01	<0.01	<0.01	0.0321	<0.01
02-11-97	<0.01	0.202	<0.01	<0.01	<0.01	0.231	0.0289
05-19-97	0.0267	0.0209	<0.01	<0.01	<0.01	<0.01	0.0919

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
ANALYTICAL TEST RESULTS

CADMIUM mg/l MCL = 0.005

DATE	MW1	MW2	MW4	MW6A	MW7	MW8	MW9
08-01-96	0.00888	0.00895	0.00993	0.0133	0.0124	0.0129	0.00741
10-30-96	0.02	0.0104	0.004	0.0003	0.0006	0.0005	0.0022
2-11-97	<0.0001	<0.0001	0.00208	<0.0001	0.00058	<0.0001	<0.0001
5-19-97	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
ANALYTICAL TEST RESULTS

CHLORIDE mg/L MCL = 250 mg/L

DATE	MW1	MW2	MW4	MW6A	MW7	MW8	MW9
08-01-96	3.04	71.8	70.4	8.47	8.23	8.64	15.8
10-30-96	4.8	50.8	68.4	9.17	8.46	8.18	13.6
02-11-97	4.04	50.8	66.1	11.3	11.2	10.6	17.5
05-19-97	18.7	3.72	35.1	62	8.01	8.6	7.54

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
ANALYTICAL TEST RESULTS

CHROMIUM mg/L MCL = 0.1 mg/L

DATE	MW1	MW2	MW4	MW6A	MW7	MW8	MW9
08-01-96	<0.002	<0.002	0.00672	0.0244	0.0492	0.0141	0.0355
10-30-96	0.0085	0.002	0.0084	0.0045	0.0026	0.0027	0.0012
02-11-97	0.00467	0.00698	0.0149	0.00894	0.0135	0.00939	0.0128
05-19-97	0.00894	0.00911	0.00792	0.0108	0.0117	0.00917	0.00751

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
ANALYTICAL TEST RESULTS

COLOR PTU MCL = 15 PTU

DATE	MW1	MW2	MW4	MW6A	MW7	MW8	MW9
08-01-96	20	40	200	300	200	200	20
10-30-96	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
02-11-97	<5.0	<5.0	20	<5.0	<5.0	<5.0	<5.0
05-19-97	20	<5.0	<5.0	<5.0	10	<5.0	<5.0

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
ANALYTICAL TEST RESULTS

SPECIFIC CONDUCTANCE umhos

DATE	MW1	MW2	MW4	MW6A	MW7	MW8	MW9
08-01-96	83	394	647	151	183	333	652
10-30-96	79	486	651	230	401	234	706
02-11-97	88	419	530	182	219	318	670
07-19-97	145	447	799	274	334	447	866

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
ANALYTICAL TEST RESULTS

IRON mg/L MCL = 0.3 mg/L

DATE	MW1	MW2	MW4	MW6A	MW7	MW8	MW9
08-01-96	0.115	0.248	0.656	1.3	2.07	0.684	9.1
10-30-96	0.309	0.0821	0.264	0.052	0.0383	0.223	0.339
02-11-97	0.0336	0.326	0.261	0.406	0.105	0.112	0.381
05-19-97	0.071	0.0602	0.0457	0.0719	0.141	0.0944	0.464

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
ANALYTICAL TEST RESULTS

NITRATE mg/L MCL = 10 mg/L

DATE	MW1	MW2	MW4	MW6A	MW7	MW8	MW9
08-01-96	3.85	2.01	8.86	6	4.66	2.53	0.058
10-30-96	2.51	3.47	3.68	4.97	3.12	1.33	0.0708
02-11-97	3.6	7.63	7.45	5.82	5.12	4.84	0.359
05-19-97	0.156	0.541	0.797	0.526	0.431	1.7	<0.01

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
ANALYTICAL TEST RESULTS

pH pH UNITS Min pH 6.5, Max pH 8.5 @ collection point

DATE	MW1	MW2	MW4	MW6A	MW7	MW8	MW9
08-01-96	7.84	7	6.85	7.74	7.55	7.05	6.83
10-30-96	7.25	6.71	6.95	7.35	6.55	6.73	6.62
02-11-97	7.48	6.92	6.5	6.5	7.41	7.16	6.82
05-19-97	7.29	6.78	6.32	7.25	6.94	7.15	6.79

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
ANALYTICAL TEST RESULTS

SODIUM mg/L MCL = 150 mg/L

DATE	MW1	MW2	MW4	MW6A	MW7	MW8	MW9
08-01-96	5.47	63.8	79.4	37	7.53	7.1	10.38
10-30-96	2.96	66.7	33.8	3.85	4.56	7.74	10.2
02-11-97	4	57.3	35	4.97	5.58	8.61	11.2
05-19-97	3.82	44.7	34.8	4.44	5.23	5.73	11.6

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
ANALYTICAL TEST RESULTS

SULFATE mg/L MCL = 250 mg/L

DATE	MW1	MW2	MW4	MW6A	MW7	MW8	MW9
08-01-96	2.62	32.3	3.47	3.11	<1.00	<1.00	<1.00
10-30-96	<1.00	34.3	2.02	<1.00	2.99	<1.00	<1.00
02-11-97	2.35	19.6	5	5.62	<1.00	<1.00	<1.00
05-19-97	2.62	16	6.45	6.04	2.32	4	3.58

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
ANALYTICAL TEST RESULTS

TOTAL DISSOLVED SOLIDS mg/L MCL = 500 mg/L

DATE	MW1	MW2	MW4	MW6A	MW7	MW8	MW9
08-01-96	44	358	460	212	194	310	458
10-30-96	98	386	436	140	190	328	464
02-11-97	100	346	502	196	232	226	446
05-19-97	68	194	422	150	174	214	416

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
ANALYTICAL TEST RESULTS

TEMPERATURE DEGREES CENTIGRADE

DATE	MW1	MW2	MW4	MW6A	MW7	MW8	MW9
08-01-96	24.6	23.7	27	24	24.2	23.6	25
10-30-96	28	24.3	27.4	25	23.1	22.4	23.5
02-11-97	20.4	22.4	20.5	19.2	22.1	22.5	23.8
05-19-97	25	25.1	26.6	26.3	23.4	24.9	25.8

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY
ANALYTICAL TEST RESULTS

TURBIDITY NTU MCL = 1 NTU

DATE	MW1	MW2	MW4	MW6A	MW7	MW8	MW9
08-01-96	8.4	16	64	340	62	8.9	12
10-30-96	90	12	200	32	6.5	1.4	2.8
02-11-97	3.8	1.1	34	9.2	17	3.1	3.1
05-19-97	12	2.4	3.1	4.3	58	1.3	2.9

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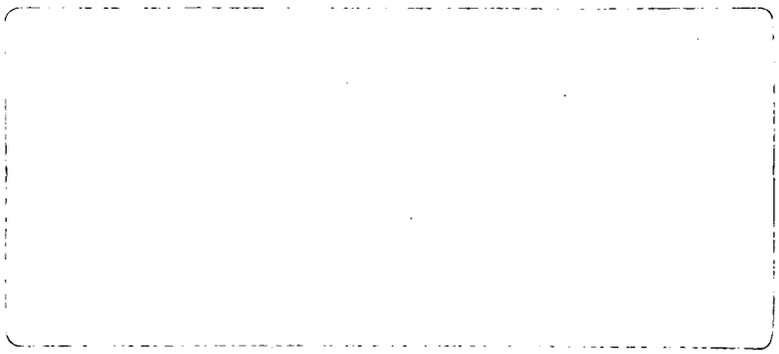
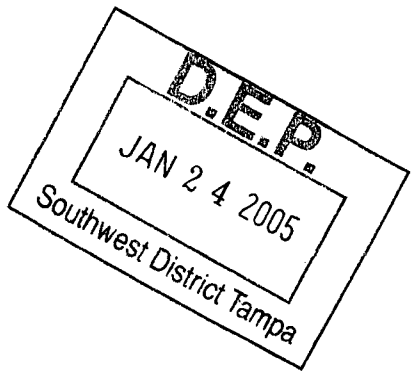


THE COLINAS GROUP, INC.

ENGINEERING AND ENVIRONMENTAL CONSULTANTS



PRELIMINARY CONTAMINATION ASSESSMENT REPORT (PCAR) SUMTER COUNTY CLOSED LANDFILL SUMTER COUNTY, FLORIDA

Prepared for:

Kessler Consulting, Inc.
14620 N. Nebraska Avenue, Bldg. D
Tampa, Florida 33613

Prepared by:

THE COLINAS GROUP, INC.
509 N. Virginia Avenue
Winter Park, Florida 32789

January 2005

276029
File copy

THE COLINAS GROUP, INC.

HYDROGEOLOGISTS & ENGINEERS

January 20, 2005

Florida Department of Environmental Protection
Southwest District
3804 Coconut Palm Drive
Tampa, FL 33619

Attn: Deborah A. Getzoff, District Director

Subj: Submission of Preliminary Contamination Assessment Report
Sumter County Closed Class I Landfill
Consent Order/OGC File No. 04-0131
Board of County Commissioners
Sumter County, Florida

Dear Ms. Getzoff:

On behalf of the Sumter County Board of County Commissioners The Colinas Group, Inc. herewith submits two (2) signed and sealed original copies of the report entitled:

Preliminary Contamination Assessment Report (PCAR), Sumter County Closed Class I Landfill, Sumter County, Florida.

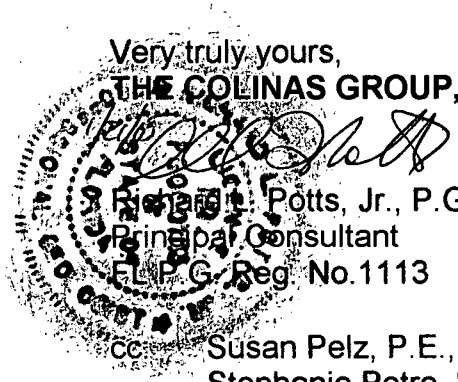
The report is submitted in satisfaction of Item 9 and Item 10 of the Consent Order between the Department and the Sumter County Board of County Commissioners and the requirements of the Preliminary Contamination Assessment Plan approved by the Department.

The PCAR was prepared by The Colinas Group, Inc. for Kessler Consulting, Inc. on behalf of Sumter County. The report is signed and sealed by the professional geologist responsible for its preparation.

509 N. Virginia Avenue, Winter Park, FL 32789 • (407) 622-8176 • Fax: (407) 622-8196

If you have any questions concerning this submittal, please do not hesitate to contact Sumter County (Bernard Dew (352) 793-0200 or Chuck Jett (352) 793-3368) or myself at your convenience.

Very truly yours,
THE COLINAS GROUP, INC.



Richard T. Potts, Jr., P.G.
Principal Consultant
FL P.G. Reg. No.1113

cc: Susan Pelz, P.E., FDEP
Stephanie Petro, FDEP
Bernard Dew, Sumter county
Chuck Jett, Sumter County
Miriam Zimms, Kessler Consulting, Inc.

PRELIMINARY CONTAMINATION ASSESSMENT REPORT (PCAR) SUMTER COUNTY CLOSED LANDFILL SUMTER COUNTY, FLORIDA

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1.2 Objectives	
1.3 Project Location	
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PRELIMINARY CONTAMINATION ASSESSMENT REPORT (PCAR) SUMTER COUNTY CLOSED LANDFILL SUMTER COUNTY, FLORIDA

1.0 INTRODUCTION

Sumter County owns and operates a solid waste management facility comprised of three operating subcomponents: The Sumter County Composting Facility; Sumter County Materials Recovery Facility, and; Sumter County Closed Class I Landfill. The closed landfill is maintained by the County under a long-term care permit (Permit No. 22926-003-SF) issued by the Florida Department of Environmental Protection (FDEP) in June 2004. The permit provides for monitoring of groundwater quality and movement around the closed landfill through regular sampling from a network of monitoring wells.

In March of 2004, Sumter County Board of County Commissioners entered into a Consent Order with the FDEP. Part of the Consent Order requires the County to immediately implement Preliminary Contamination Assessment Actions outlined in Exhibit B to the Consent Order. These actions are directed at reported exceedances of Florida groundwater quality standards and minimum criteria at two (2) landfill monitoring wells, MW-2 and MW-4, installed as part of the groundwater monitoring plan for the closed Class I landfill.

1.1 Purpose and Scope

The Colinas Group, Inc. (TCG) was retained by Kessler Consulting, Inc., solid waste consultants to Sumter County, to prepare a Preliminary Contamination Assessment Plan (PCAP) in accordance with Item 9 and Exhibit B, Item 2 of the FDEP Consent Order. The purpose of the PCAP is to provide a plan of data collection and evaluation to address apparent groundwater quality constituent exceedances recorded in previous quarterly monitoring reports for the closed landfill facility. The PCAP was approved by the FDEP Southwest District Office.

The scope of the PCAP includes assessment of potential water quality standards violations attributable to the closed solid waste disposal facility (landfill), as well as potential pollution

sources situated beyond the closed landfill boundaries. Field data collection activities proposed as part of the PCAP are limited to the real property owned by the County and used for operation of the Sumter County solid waste management facilities. Results and conclusions derived from PCAP investigations are presented in this Preliminary Contamination Assessment Report (PCAR).

1.2 Objectives

The objective of the PCAP is to determine whether the soil, sediment, surface water or ground water are contaminated at the Sumter County Closed Class I Landfill, and, if so; whether such contamination has resulted in a violation of the water quality standards and minimum criteria established in Florida Administrative Code Chapter 62-520 and 62-302, or constitutes a risk to the public health, the environment or the public welfare.

1.3 Project Location

The Sumter County Closed Class I Landfill (the landfill) and associated County solid waste management facilities are located in Sumter County, Florida about one mile east of the intersection of Interstate Highway 75 and County Road 470 (see Figure 1). The latitude/longitude coordinates for the facility are 284430/820520. The street address for the facility is 835 County Road 529, Lake Panasoffkee, Florida 33538.

The closed landfill is situated in the northern half of the County solid waste facility property. The landfill is located in the SE 1/4 of the SE 1/4, Section 15, Township 20S, Range 22E.

2.0 SUMTER COUNTY LANDFILL/RECYCLING FACILITY

2.1 Ownership and Historical Operations

Sumter County owns and operates the Sumter County Solid Waste Facility and associated real property. A brief chronological history of site acquisition and solid waste facility development and operation from past to present, is presented below.

1971 Sumter County purchases real property. Property previously used for agricultural purposes, primarily as improved pasture.

1974 February 1974 aerial photograph shows the landfill property still in pasture with sparse pine tree stands and no structures. Large trench, trending NW to SE in northeast corner of property, is visible with evidence of sand extraction operations.

1981 January 1981 aerial photograph indicates sand extraction and landfilling activities over the eastern third of property. New structure is apparent along present landfill access road.

1988 Landfilling operations cease and the Class I landfill waste cells are capped. Recycling operations are started. Class I waste is composted by grinding and storage on existing holding pads and landfill cap asphalt areas. Operations continue to 1993. Recycling facility is operated by a lease-operator during the period 1990 - 1993.

1993 Recycling facility is converted to transfer station use, handling approximately 30 to 40 tons/day of Class I waste. Waste is transferred to other landfills and to a commercial incinerator in Okahumpka, Florida. Transfer station operates until 1997.

1997 Initial waste digestor unit is constructed and operating. Product is used for off-site uses. Waste load exceeding digestor capacity is transferred to landfill in Geogia.

2002 Solid waste facility is expanded with second digestor unit.

2.2 FDEP Permitting/Enforcement Actions

The three (3) subcomponents of the Sumter County solid waste facility operate under separate permits issued by the FDEP. Previous and current permits for each facility subcomponent are listed below as follows:

Sumter County Composting Facility: Previous FDEP permit (No.126940-001-SO) expired on May 1,2003. Current operating permit issued on April 30, 2004 (Permit No. 126940-010-SO) and expires on May 1, 2009.

Sumter County Materials Recovery Facility: Previous FDEP permit (No. 126941-001-SO) expired on May 1, 2003. Current operating permit issued on April 30, 2004 (Permit No. 126941-003-SO) and expires on May 1, 2009.

Sumter County Closed Class I Landfill: Previous FDEP permit (No. 22926-002-SF) expired on May 1, 2003. Current long-term care permit issued on June 28, 2004 (Permit No. 22926-003-SF) and expires on June 15, 2009.

Sumter County entered into a Consent Order agreement with the FDEP in 2004 to address several non-compliance issues at the closed Class I landfill. The Consent Order required certain actions by the County, including payment of $2,900.00 in penalty and costs to the FDEP in settlement of Consent Order issues.

2.3 Products and Wastes Descriptions

The Sumter County Composting Facility produces compost from microbial digestion of Class I solid waste. The compost is classified as Type A Compost under the provisions of Florida Administrative Code Chapter 62-709, rule 62-709.600, F.A.C. allowing unrestricted use by commercial, agricultural, institutional or governmental operations.

A report of recent laboratory analysis of compost samples from the facility is presented in the Appendix.

Diesel fuel for facility equipment is stored in a mobile tanker. Bulk oil, motor oil and hydraulic fluid used in heavy equipment is stored inside the Equipment and Maintenance Shop.

Waste products at the facility are limited to lubricants used in vehicles and heavy equipment associated with facility operation and maintenance (C. Jett, pers. comm.) Used motor oil is stored in an above-ground storage tank/containment structure for transfer to an off-site commercial oil recovery facility.

According to County personnel, no fertilizers, herbicides or pesticides are used at the facility and hazardous wastes are not accepted. (C. Jett, pers. comm.).

2.4 On-Site Spills and Releases

A release of diesel fuel was discovered at the facility during an FDEP Hazardous Materials Inspection in 2003. Fuel-impacted stormwater had apparently discharged from the containment basin housing an above-ground diesel fuel tank. The County excavated contaminated soils around the containment basin for treatment using the facility waste digestor. According to County personnel, post-treatment testing was successful in reducing hydrocarbon-based constituent concentrations below actionable levels and the event was closed without further action. Use of the diesel storage tank has been discontinued at the facility.

3.0 SUMMARY OF PCAP ACTIONS

3.1 Facility Records Review

Information existing in the County's files was searched and compiled, including previous reports prepared for facility permitting, surveying, monitoring well design and installation and routine quarterly water quality monitoring. Information presented in this PCAR concerning limits of waste, zone of discharge delineation and permitted facility configuration was taken from County record files.

Results of historical groundwater sample analyses for parameters identified in the Consent Order are summarized for the facility monitoring wells for the period 1998 through 2002 in a report prepared by Central Testing Laboratory (March 3, 2003). Graphical plots of concentrations over time are presented to evaluate apparent trends for constituents-of-concern and to identify spurious or suspect data. More recent groundwater monitoring data for 2003 and 2004 are available in routine quarterly groundwater monitoring reports prepared by CTL and TCG.

Groundwater contour maps prepared as part of previous quarterly monitoring events are available for the period July 1998 through December 2004. Copies of these maps are included in the Appendix to this report.

The FDEP Consent Order identifies specific constituents-of-concern that have exceeded groundwater quality standards at individual monitoring wells at the landfill. A summary of historical groundwater standards exceedances in water samples from wells MW-2 and MW-4 since 1999 taken from the Consent Order is presented in Table I. Laboratory results for the facility background monitoring well MW-6A over the period are included.

3.2 Regional Hydrogeologic Review

Large-scale hydrogeologic characteristics of Sumter County and surrounding areas are described by the Southwest Florida Water Management District (Northern West-Central Florida Ground-Water Basin Overview in Ground-Water Resource Availability Inventory: Marion County, Floirda,SJRWMD,1987). The primary hydrogeologic feature is the regionally-extensive Floridan aquifer, comprised of a thick sequence of fractured and solution-riddled limestones containing both fresh and saline groundwaters. The upper, freshwater-bearing portion of the Floridan is estimated to be about 800 feet thick in the vicinity of the Sumter County Landfill (SWFWMD, 1987).

The top of the Floridan aquifer is identified by the Ocala Group limestones occurring in the area at elevations of about 30 feet above mean sea level (msl) (30 ft.+NGVD). The Ocala

limestones are overlain by 25 to 50 feet of clastic deposits of sand, silt and clay. The lower portion of these deposits contain appreciable clay, serving to confine groundwater in the underlying limestones under artesian pressure. The confining bed thickness in the vicinity of the landfill is estimated at about 25 feet (SWFWMD, 1987).

According to the SWFWMD, a distinct unconfined surficial aquifer does not exist as a continuous unit in the vicinity of the Sumter County landfill. Locally, the uppermost sands overlying the clay confining bed may contain groundwater on a seasonal basis as a function of rainfall (SWFWMD, 1987). The Floridan aquifer is the primary groundwater system in the area.

The general direction of groundwater flow in the Floridan is northwest to west in the vicinity of the landfill. Groundwater generally moves from potentiometric surface highs centered on Pasco County to the south and the Green Swamp to the southeast and the Keystone high to the north. Groundwater regionally moves toward the Gulf of Mexico and locally toward natural discharge areas in the Withlacoochee River basin and artesian springs along the Gulf coast. Based on potentiometric surface maps prepared by the SWFWMD, the potentiometric surface of the Floridan aquifer ranges seasonally between elevations of about 40 to 50 feet above msl in the vicinity of the landfill.

The quality of groundwater in the upper part of the Floridan aquifer has been described throughout Sumter County by the SWFWMD (1987). Primary water quality characteristics in the vicinity of the landfill are summarized below:

Total dissolved solids	Generally ranges from less than 250 mg/l to as high as 500 mg/l.
Dissolved iron	Ranges from less than 300 ug/l (0.3 mg/l) in areas east of the landfill to greater than 1,000 ug/l (1.0 mg/l) to the west. Higher iron concentrations are generally reported for shallower wells penetrating the very top of the Floridan limestones.
Chloride	Less than 25 mg/l.
Sulfate	Less than 3 mg/l.
Hardness as $CaCO_3$	120 - 180 mg/l.

3.3 Project Area Reconnaissance

Physical reconnaissance of the project site and immediate vicinity was completed to identify potential sources of groundwater pollution near the landfill. The reconnaissance included review of available historical aerial photographs maintained by Sumter County and local survey of surrounding areas by driving. Potential sources of pollution were identified within a one-quarter (1/4) mile radius of the landfill.

Potential groundwater pollution sources within the County-owned solid waste management facility property were inventoried through interviews with County solid waste personnel, review of historical aerial photographs of the facility and by physical inspection.

An inventory of existing water wells within a one-half-mile radius of the landfill was completed by driving reconnaissance. The area surrounding the landfill property is sparsely populated with the majority of land used for agricultural purposes, interspersed with rural residential parcels. An inventory of surface water bodies within a one-half (½) mile radius of the landfill was completed by map review.

Results of the above inventories are presented in Section 5.0 of this report.

3.4 Monitoring Well Installation

Three (3) new groundwater monitoring wells were installed as part of the PCAP. One well (MW-2A) was installed near existing detection well MW-2; two wells (MW-4A and MW-4B) were installed in the vicinity of detection well MW-4. Well locations are shown on Figure 2.

Well MW-2A was located based on review of historical groundwater contour maps for the landfill. Review of twenty (20) quarterly contour maps for the period July 1998 through October 2004 revealed that apparent groundwater flow in the vicinity of existing well MW-2 was to the west-northwest on seventeen (17) maps (85%); apparent flow was to the southwest on three (3) maps.

The buried edge of waste in the vicinity of wells MW-2 and MW-4 is marked in the field by metal stakes installed by the County. Distances from the edge of waste for new wells as measured by TCG is noted in the table of well construction details below. Well construction details for the new wells, the two existing monitoring wells and the facility background monitoring well are included.

WELL CONSTRUCTION DETAILS
SUMTER COUNTY CLOSED LANDFILL

Well ID	Land Surface Elev. (ft.NGVD)	Top of Casing Elev. (ft.NGVD)	Total Well Depth (ft.bls)	Well Dia. (in	Well Screen			Well Screen Interval		Dist. to Edge of Waste (feet)
					Slot - size (in)	Pack	L (ft)	Depth(ft.bls)	Elev(ft.NGVD)	
MW-2 *	69.8 (est)	69.13	33.3	2	0.010	23/30	5	28.3 - 33.3	41.5 - 36.5	100
MW-2A	69.35	72.11	47.0	2	0.010	23/30	5	42.0 - 47.0	27.0 - 22.0	55
MW-4 *	70.4 (est)	70.36	37.7	2	0.010	23/30	5	27.7 - 32.7	37.7 - 32.7	100
MW-4A	72.28	75.73	41.0	2	0.010	23/30	5	35.0 - 40.0	37.0 - 32.0	175
MW-4B	70.83	73.83	37.0	2	0.010	23/30	5	32.0 - 37.0	38.8 - 33.8	230
MW-6A *	75.71	77.54	48.2	2	0.010	23/30	5	43.2 - 48.2	32.5 - 27.5	NA

* well information from Central Testing Laboratory, Inc.

A Standard Penetration Test (SPT) boring was drilled at each new well site prior to construction. Split-spoon samples from the borings were examined by a TCG geologist to develop geologic logs for each site. SPT boring logs and contractor's drilling logs are attached in the Appendix.

New wells MW-2A, MW-4A and MW-4B were installed using hollow-stem auger methods. Split-spoon samples were collected through the auger stem at regular depth intervals. Sediment samples were logged in the field and returned to TCG's office for examination and classification.

Wells were completed by tremie placement of gravel pack to a depth of about three (3) feet above the top of the well screen at each well, followed by a tremied 1-foot thick layer of fine sand to protect the pack from grout infiltration. The remaining well annulus was filled by tremie with neat Portland Type II cement from the top of the fine sand seal to land surface.

At completion of installation, the wells were developed using an electric variable-speed submersible pump and new PE discharge tubing. Wells were pumped at rates greater than 0.5 gallons per minute (gpm) until the discharge was visibly free of sand and silt and clear to the unaided eye.

Wellheads were finished with locking 4"x4" aluminum protective covers, well casing caps and concrete well pads.

Elevations of top of casing of the new wells were established using standard surveying methods. Elevations were determined from known elevations established at surveyor's benchmarks within the landfill property. Professional land surveying services were provided by Springstead Engineering, Inc., Leesburg, Florida.

3.5 Groundwater Sampling and Analysis

Existing monitoring wells (MW-2, MW-4 and background well MW-6A) and new wells MW-2A, MW-4A and MW-6A were sampled by TCG personnel on November 29 and 30, 2004. Sampling activities were completed in accordance with the FDEP Standard Operating Procedures for Field Activities (SOP). Groundwater Sampling Logs from the sampling event are attached in the Appendix.

Groundwater samples were properly stored and transported to USBiosystems, Inc., Boca Raton, Florida. Reports of laboratory analyses for the sampling event from USBiosystems are included in the Appendix.

Water levels in facility monitoring wells and piezometers were measured by TCG on November 29, 2004. The wellhead at new monitoring well MW-4B, installed specifically for PCAP investigations, was found damaged on November 29, reportedly struck by a forklift working in the area. Consequently, a water level measurement is not available for this well on that date. The wellhead was repaired in January 2005 and a final round of water level measurements in all wells was completed on January 18, 2005.

4.0 SITE VICINITY INVENTORY

4.1 Pollution Source Inventory

Potential sources of groundwater pollution identified within one-quarter (1/4) mile of the landfill property are comprised of three categories: Active and recently active agricultural fields and pasture; The City of Bushnell Wastewater Treatment Facility located immediately south of the landfill property, and; residential septic tanks.

The dominant potential sources are associated with agricultural lands abutting the landfill property to the east, north, west and southwest. A large agricultural land immediately east of the landfill is apparently periodically used for crop production and cattle pasture. According to County solid waste personnel, this property has in the past been used for commercial production of peanuts (C. Jett, pers. comm.). Primary pollution sources associated with agricultural lands are application of pesticides, herbicides and fertilizers used in crop production and/or wastes from cattle. Areas identified as agricultural land within one-half mile of the landfill are shown on Figure 3.

The City of Bushnell operates a municipal wastewater treatment facility (WWTF) on approximately 80 acres of property immediately south of and abutting the Sumter County Solid Waste Management Facility (see Figure 3). The WWTF provides secondary treatment of domestic wastewater generated by the City and uses land application by spray

irrigation to dispose of treated wastewater. Municipal WWTF land application systems are potential sources of salts, such as sodium and chloride, nutrients and trihalomethane (THM) compounds to groundwater.

A total of nineteen (18) residential septic tanks were identified within the one-half (½) mile radius inventory area surrounding the landfill property. Two (2) of the septic tanks are located within 1/4 mile of the landfill property boundary. Locations of septic tanks are identified by private well location on Figure 3. Septic tanks were assumed to exist at private dwellings given the rural nature of the area and lack of municipal sewer and water services. Residences located to the southeast of the landfill are outside the limits of the City of Bushnell. Domestic septic tanks are potential sources of nutrients (nitrogen and phosphorous) to groundwater.

Five (5) septic tanks are in service within the Sumter County solid waste management facility property. On-site septic tank locations determined from physical inspection are shown on Figure 2. Four (4) of the septic tank/drainfield systems are associated with the Sumter County Animal Control facility, consisting of two (2) office buildings and a kennel. The septic tank systems and dog kennel are located within 300 feet of one of the closed landfill monitoring wells (MW-4). The Scale House and office building is served by septic system as shown on Figure 2.

An approximate 1-acre unused, lined solid waste cell exists immediately southwest of the Compost Holding Pad in the northwest part of the landfill property less than 50 feet from monitoring well MW-4. At the time of site reconnaissance, the cell contained ponded water and prolific growth of emergent aquatic vegetation.

4.2 Water Well Inventory

A total of twenty (19) existing water wells were located within ½ mile of the landfill property boundary. As shown on Figure 3, one (1) well is an irrigation well (nonpotable) located in a large agricultural field to the northeast of the landfill. The eighteen (18) remaining wells found in the inventory area are private domestic wells associated with rural residential units and a potable well serving the Sumter County Animal Control Facility immediately east of the landfill.

Three (3) nonpotable water wells exit within the County landfill property as shown on Figure 3. The two (2) wells in the northern part of the property are small 4-inch wells used to provide nonpotable water for sanitary facilities at the solid waste facility and adjacent Sumter County Animal Control facility. Located in the southwest corner of the landfill property, the third well is a large-diameter (16") well fitted with an electric 60 hp vertical turbine pump and plumbed to a 10,000 gallon above-ground storage tank. According to County personnel water from the well is used periodically for outside nonpotable uses such

as equipment washing and dust control.

4.3 Surface Waters Inventory

One (1) surface water body is located with ½ mile of the landfill property boundary on the U.S.G.S. 7 ½ minute quadrangle map for the area. Sand Pond is a small, approximately 25-acre pond situated about 0.3 miles to the southwest of the landfill. Sand Pond is connected by a man-made ditch to the larger Sawgrass Pond to the south. In aerial photos taken in February 1974 and January 1981 both ponds appear completely dry. No other lakes, ponds, creeks, streams, rivers or wetlands were noted within the inventory area. Sand Pond and the adjacent Sawgrass Pond are shown on Figure 1.

Natural surface water bodies do not exist within the landfill property boundaries however, surface waters are retained in three (3) lined stormwater management ponds constructed as part of the facility drainage system. These lined ponds receive runoff from grassed and impervious paved surfaces within and adjacent to the closed landfill waste cells.

Stormwater generated on the paved Compost Holding Pad near the northwest corner of the closed landfill is drained to a lined pond at the east end of the pad. This pond is fitted with a pumping system to take water from the pond for spray onto compost stored on the paved surface overlying the northwest closed landfill waste cell.

Runoff from the paved landfill cap flows to a second lined pond south of the unused lined landfill waste cell. Stored runofff and rainfall in this pond is periodically pumped to the compost storage area on the adjacent closed landfill waste cell.

During periods of heavy rainfall the two (2) stormwater ponds along the western margin of the closed landfill are periodically discharged to a shallow drainage ditch running along the western, southern and eastern margins of the landfill. The ditch conveys excess stormwater to a large unlined retention area north of the landfill and east of the Compost Holding Pad.

5.0 SITE HYDROGEOLOGY

5.1 Site Data Sources

Geologic, groundwater level and water quality data are available at monitoring well locations shown on Figure 2. A total of thirteen (13) monitoring wells have been installed around the closed landfill. Seven (7) wells are part of the facility groundwater monitoring plan identified in the FDEP long-term care permit. Three (3) wells were formerly used as monitoring wells and have since been converted to use as water level piezometers. Three

(3) new monitoring wells were installed specifically for PCAP investigations.

A list of existing monitoring wells and piezometers at the facility is provided below, as follows:

GWMP Monitoring Wells:	MW-2	MW-4	MW-6A	MW-8
	MW-9A	MW-10	MW-11	
GWMP Piezometers:	MW-1	MW-7	MW-9	
PCAP Monitoring Wells:	MW-2A	MW-4A	MW-4B	

Well MW-6A is identified as the facility background monitoring well in the FDEP long-term care permit.

5.2 Near-Surface Geologic Section

Near-surface geologic conditions at the landfill encountered in test borings drilled for installation of monitoring wells installed as part of the PCAP are illustrated graphically in cross-section form on Figure 4. Depths and thickness of primary lithologic units at the site are taken from geologist's logs of the test borings.

As shown on Figure 4, three (3) distinct and laterally continuous lithologic beds were encountered at test boring locations:

Bed 1: Surficial layer of very fine- to fine-grained quartz sand. Minor stringers and lenses of silty/clayey sand less than 2 or 3 feet thick are noted at several borings within the upper sand section. The surficial sand layer penetrated in test borings ranged in thickness from about 15 to 25 feet across the site.

Bed 2: Layer of clayey sand to sandy clay to clay underlying the surficial sand. The test boring at MW-4B encountered an included 10-foot thick lens of fine sand from 18 to 28 ft. bls. The clay-rich bed ranges from about 10 to 20 feet thick across the site.

Bed 3: Top of limestone underlying the clay bed. A tan to white fossiliferous limestone was encountered at every test boring at depths ranging from 32 to 42 ft. bls.

The cross-section on Figure 4 includes logs of existing wells MW-2 and MW-4 prepared by Central Testing Laboratory, Inc. and logs from wells MW-9A, MW-10 and MW-11,

recently installed by TCG in connection with the facility's long-term care permit and MW-2A, MW-4A and MW-4B, new wells installed as part of the PCAP.

5.3 Groundwater Monitoring Zone

The intervals of depth and elevation of well screens at monitoring wells along the line of cross-section A-A' are shown on Figure 4. Well screens at PCAP wells (MW-2, MW-2A, MW-4, MW-4A and MW-4B) intercept and monitor groundwater in the upper 5 to 7 feet of the limestone section. Elevations of top of well screens vary through a 15-foot range from about 42 ft. above NGVD (ft. NGVD) to 27 ft. NGVD. The monitoring zone established by well screen placements appears to conform to the altitude of the top of limestone.

5.4 Groundwater Levels and Movement

Groundwater levels were measured by TCG in monitoring wells on November 29, 2004. Water levels were again measured by TCG on January 18, 2004, following repair of damaged well MW-4B. Water level measurements for the two (2) events are presented in Table II.

Groundwater contour maps prepared from the two (2) separate water level measurement sets are presented on Figures 5 and 6. As shown, groundwater levels measured in on-site wells indicate a general flow potential from east-southeast to west-northwest across the landfill property. The recent contour maps generally agree with historical maps prepared from quarterly monitoring measurements dating back to 1998.

Gradients indicated on the contour maps are shallow. Measured head difference across the project site was 1.53 ft. in November 2004 during higher water conditions and 1.38 ft. in January 2005 when water levels were overall about 1½ feet lower.

Water level measurements at MW-9 and MW-9A produced a significant water level elevation difference between the two wells. Although spaced only about 20 feet apart and finished to similar depths below the top of rock, water levels in MW-9A were consistently about one (1) foot lower in elevation than in MW-9. Well MW-9A has been shown to be a poor groundwater producer, able to be pumped dry using relatively low pumping rates normal to water quality purging and sampling activities. Relatively low water level elevations measured in the well may be the result of a poor hydraulic connection between the screen at MW-9A and the formation interval screened at MW-9.

The contour maps on Figures 5 and 6 were prepared using the measurements from MW-9 and ignoring MW-9A. Monitoring wells MW-2, MW-6A and MW-8 appear to be situated upgradient from the closed landfill on the groundwater contour maps. Local groundwater gradient and apparent flow direction in the immediate vicinity of MW-4, MW-4A and MW-4B

depart from the overall large-scale groundwater trend across the landfill property. Water level elevations in MW-4A and MW-4B were slightly higher (0.18 to 0.22 feet) than in MW-4.

5.5 Summary of Water Quality Monitoring

Historical (1999 to early 2003) laboratory results of groundwater sampling at landfill monitoring wells exceeding respective groundwater standards are summarized in Table I, as taken from the FDEP Consent Order. Concurrent sampling results for background well MW-6A are included.

Laboratory results for monitoring wells MW-2 and MW-4 covering the period Qtr.I 2003 through Qtr.IV 2004 are summarized in Tables III and IV, respectively. Laboratory results for the period are presented for the facility background monitoring well MW-6A in Table V.

1999 - 2003

As indicated in Table I, aluminum has been persistently reported at concentrations above the Florida Secondary Drinking Water Standards (FSDWS) MCL of 0.2 mg/l (200 ug/l) in monitoring wells MW-2, MW-4 and in background monitoring well MW-6A. Nitrate nitrogen has been detected above the Florida Primary Drinking Water Standards (FPDWS) MCL of 10 mg/l, persistently in well MW-4 and, during three sampling events in late 2002 to early 2003, in well MW-2. As indicated in Table I, elevated nitrate concentrations are reported for background well MW-6A over the period of record, exceeding the MCL in July 2000.

Reported aluminum and nitrate nitrogen concentrations in monitoring wells MW-2, MW-4 and background well MW-6A presented in Table I are illustrated graphically on Figures 7 and 8.

Dissolved iron concentrations above the FSDWS MCL of 0.3 mg/l (300 ug/l) have been detected periodically, primarily in MW-2 and MW-6A and on one occasion in MW-4. Similarly, manganese has been detected above the MCL of 0.05 mg/l (50 ug/l) in four (4) samples from MW-2 and two (2) samples from MW-6A.

Total dissolved solids (TDS) slightly exceeded the provisional FSDWS MCL of 500 mg/l in well MW-4 in eight (8) samples over the period of record and once in MW-2.

Antimony and cadmium were detected above respective MCLs once in MW-4 over the five -year period presented in Table I. Thallium has been detected above its MCL in MW-2 in two (2) samples over the period of record and once in MW-6A.

2003 - 2004

As indicated in Tables III and IV, aluminum was detected above the MCL once in MW-2 and in six (6) out of eight (8) sampling events at MW-4. High concentrations of aluminum, well above the MCL, are reported twice in background well MW-6A (Table V).

Nitrate nitrogen was detected above the MCL once during Qtr.I 2003 in MW-2 and seven (7) out of eight (8) sampling events in MW-4. Nitrate concentrations appear to decline in MW-2 over the 2003 -2004 monitoring period and remain relatively consistent over time in MW-4. Elevated nitrate concentrations in background well MW-6A appear consistent over the 2003 - 2004 period, varying through a range of 5.7 mg/l to 6.7 mg/l.

TDS slightly exceeded the MCL of 500 mg/l in MW-4 in the most recent sampling event at 520 mg/l. As indicated by the MW-4/duplicate TDS results from the November PCAP sampling event (Table VII) the range of error in TDS measurements may be greater than the exceedance reported.

6.0 PCAP GROUNDWATER SAMPLING RESULTS

6.1 Summary of Laboratory Analytical Results

Groundwater samples collected from monitoring wells MW-2, MW-2A, MW-4, MW-4A, MW-4B and background well MW-6A on November 29 and 30, 2004 were tested in the field and submitted to USBiosystems, Inc. for laboratory analysis. The following field and laboratory parameters are reported:

Field Parameters	Laboratory Parameters	
Fluid temperature	Aluminum	Nitrate, as N
Specific conductance	Antimony	Total dissolved solids
Turbidity	Cadmium	Thallium
Dissolved oxygen	Iron, as Fe	Priority Pollutant Organics
pH	Manganese	Priority Pollutant Metals
		Pesticides and herbicides

Laboratory analytical methods used are reported in the laboratory reports from USBiosystems attached in the Appendix. Analyses for one (1) blind duplicate sample from well MW-4, one (1) equipment blank and two (2) trip blanks are included with the laboratory reports.

Field-tested parameter results from the sampling event are presented in Table VI. A summary of constituents detected in the sampling event and reported laboratory concentrations is presented in Table VII. No other inorganic or organic constituents were detected by the laboratory in groundwater samples collected from the facility monitoring wells sampled for preparation of the PCAR.

6.2 Constituents Exceeding Regulatory Levels

Aluminum

Aluminum was detected by the laboratory in wells MW-2, MW-4A and MW-4B at concentrations slightly above the FSDWS MCL of 200 ug/l and at the MCL in MW-2A. As indicated in Table VII, aluminum was detected in well MW-4 and in background well MW-6 at concentrations below the MCL.

Nitrate Nitrogen

Nitrate was detected above the FPDWS MCL of 10 mg/l in well MW-4 and in the duplicate sample from MW-4 at 14 mg/l. Lower, but elevated nitrate concentrations were reported for wells MW-4A, MW-4B and background well MW-6A at 5.0 mg/l, 1.4 mg/l and 6.5 mg/l, respectively.

pH

Groundwater pH was measured in the field by TCG sampling personnel at 9.35 su in well MW-4B. The FSDWS MCL for pH in public water systems is between the pH range of 6.5 to 8.5 su. The pH measured in MW-4B exceeds the upper (alkaline) range of the pH MCL. Elevated (alkaline) pH was measured in background monitoring well MW-6A at 8.26 su.

7.0 CONCLUSIONS

7.1 Constituents of Concern

This Preliminary Contamination Assessment Report (PCAR) was prepared to address specific groundwater quality standards exceedances reported for monitoring wells MW-2 and MW-4 at the Sumter County Closed Landfill since 1999. Groundwater constituents reported exceeding respective regulatory standards at the wells over the period 1999 to 2003 are summarized in Table I.

Constituents exceeding regulatory standards, as listed in the Consent Order between Sumter County and the FDEP, were:

Aluminum	Manganese
Antimony	Nitrate Nitrogen
Cadmium	Total Dissolved Solids
Iron	Thallium

As indicated on Table I Aluminum has been detected above the MCL in wells MW-2 and MW-4 as well as in the facility background well MW-6A. The highest aluminum concentration measured over the period or record was 11.6 mg/l in background well MW-6A in July 2000. Aluminum was found above the MCL in groundwater samples collected from wells MW-2, MW-4A and MW-4B as part of the PCAP/PCAR.

Antimony and cadmium were detected above their respective MCLs once each in monitoring well MW-4 in May and July 2000. Neither element has been detected above the laboratory method detection limit in MW-4 since 2000. Antimony and cadmium were not detected in groundwater collected from the six (6) wells sampled as part of the PCAP/PCAR.

Dissolved iron in groundwater has been detected in well MW-2 above the FSDWS MCL in five (5) sampling events during the period 1999 - 2004 and has been reported below the MCL since January 2002. Iron was above the MCL in well MW-4 one time in January 2002 and has since been reported below the MCL. Iron concentrations above the MCL are reported in background well MW-6A in three samples collected from July 1999 to July 2000. Iron was below the MCL in the six (6) wells sampled as part of the PCAP/PCAR.

Manganese has been detected above the FSDWS MCL four (4) times over the period 1999 - 2002 in well MW-2 and is reported below the MCL since January 2002. Manganese has been detected by the laboratory in background well MW-6A during the same sampling events in 1999 - 2002, exceeding the MCL in two (2) samples. Manganese was below the laboratory method detection limit in the six (6) wells sampled as part of the PCAP/PCAR.

Nitrate nitrogen was reported above the Florida Primary Drinking Water Standards (FPDWS) MCL three (3) times in well MW-2 during the period 1999 - 2003, in late 2002 and early 2003. Nitrate concentrations above the MCL are persistently reported in well MW-4 during the period. Elevated nitrate concentrations are reported persistently in background well MW-6A, exceeding the MCL once in July 2000. Nitrate concentrations reported in MW-6A range from 4.8 mg/l to 12.2 mg/l. The MCL for nitrate nitrogen is 10 mg/l. A confirmed nitrate concentration of 14 mg/l was reported in groundwater samples collected from well MW-4 as part of the PCAP/PCAR. Elevated nitrate levels are noted in samples from nearby wells MW-4A and MW-4B and in background well MW-6A.

Total dissolved solids (TDS) was reported slightly above the FSDWS MCL once in well MW-2 during the period 1999 - 2002 and in eight (8) sampling events over the period in well MW-4. TDS was below the MCL in samples collected from MW-4 during the period 2003 - 2004 and was slightly above 500 mg/l in the most recent sample in Qtr. IV 2004. TDS was below the MCL in the six (6) wells sampled as part of the PCAP/PCAR.

Thallium was detected above the FPDWS MCL in two (2) sampling events in October 1999 and January 2001 in MW-4. Thallium was detected in the background well MW-6A on the same dates, exceeding the MCL in January 2001. Thallium was below the laboratory method detection limit in samples collected from both wells since January 2001 and in samples collected as part of the PCAP/PCAR.

Of the constituents reported above MCLs in the 1999 - 2003 sampling data set, only aluminum and nitrate nitrogen in well MW-4 continued to be detected above MCLs through the eight (8) sampling events from Qtr. I 2003 to Qtr. IV 2004.

Antimony, cadmium and thallium detections in background and downgradient detection wells were not, according to available sampling and reporting records, confirmed by resampling. The sampling results reported are considered suspect considering the number of detections over the entire reporting period and the low concentrations measured. Antimony, cadmium and thallium should not be considered constituents of concern at the Sumter County Closed Landfill.

7.2 Source(s) and Extent of Contaminant

The elemental metals aluminum, iron and manganese occur naturally in sediments in Florida. Aluminum is a primary constituent of aluminum-silicate clay minerals (chiefly ilmenite and montmorillinite) occurring in the lower portion of the clastic sediments overlying the Ocala Group limestones at the Sumter County Closed Landfill. Beds of clayey sand, sandy clay and clay roughly ten (10) to twenty (20) feet thick were encountered directly overlying limestones in test borings throughout the facility.

Significant deposits of clay minerals directly overlying an eroded, somewhat rugged limestone surface and the relatively thin groundwater sampling (monitoring) zone immediately below the top of rock are the most likely reasons for aluminum concentrations measured in groundwater at the landfill. Persistent detection of aluminum in groundwater from the facility background monitoring well strongly supports this conclusion.

Iron and manganese concentrations, detected above MCLs primarily in wells MW-2 and background well MW-6A, are most likely derived from naturally-occurring sources. Iron typically occurs in concentrations above the FSDWS MCL in shallow groundwaters in Florida, derived from organic decomposition and infiltration of rainfall from land surface.

Manganese may be associated with carbonate minerals forming the limestone deposits within the monitoring zone intervals at the landfill. Groundwater contour maps for the facility over the period 1999 - 2004 indicate that well MW-2 was situated upgradient from the closed landfill waste cells roughly 85 percent of the time.

Nitrate nitrogen concentrations are generally elevated above typical natural (unaffected) levels in groundwater from most monitoring wells at the closed landfill. Nitrate concentrations measured in background well MW-6A over the period July 1999 to November 2004 have ranged from 4.8 mg/l to 12.2 mg/l. Average nitrate concentration for the period at MW-6A is 6.4 mg/l. Nitrate at well MW-2, apparently situated upgradient from the closed landfill, was detected above the MCL during three (3) sampling events in late 2002 and early 2003 at 29 mg/l, 46 mg/l and 19 mg/l.

Reported nitrate concentrations at well MW-4 ranged from 4.6 mg/l to 32 mg/l and averaged 17.0 mg/l over the period July 1999 - December 2004. Nitrate concentration in well MW-4 was reported at 14 mg/l in the groundwater samples collected for the PCAP/PCAR.

Potential sources of elevated nitrate concentrations in groundwater at MW-4 include:

1. Class I solid waste contained in closed landfill cells;
2. Septic tanks located within 200 to 300 feet of MW-4;
3. Animal wastes from dog kennel located within 300 feet of MW-4;
4. Groundwater flow from agricultural areas to the west of the landfill, and;
5. Leakage from the lined unused waste cell adjacent to MW-4.

Historical large-scale groundwater mapping data across the landfill property and recorded nitrate concentration in PCAP well MW-4B do not support the potential for septic tank discharge and /or kennel wastes influence on water quality at well MW-4. Local groundwater gradients measured near the well during PCAP investigations however, strongly suggest that impacts from septic tank systems and/or animal wastes at the animal control facility to the north of the well are a likely source of nitrate in groundwater at MW-4. Whether or not local groundwater recharge and flow patterns in the immediate vicinity of the septic tanks and monitoring well are influenced by apparent slopes on the top of subsurface confining bed deposits and/or fractures and solution features near the top of rock cannot be determined from available site information.

The unused lined waste cell adjacent to well MW-4 appears to hold water derived from rainfall on the cell. At the time of PCAP investigations the cell contained ponded water and was supporting prolific emergent vegetation. Depth of water, water surface elevation, water quality within the unused cell and evidence of leakage were not determined as part of the PCAP/PCAR.

Water quality data indicate that groundwater in the monitoring zone upgradient from the

closed landfill, as measured at the facility background well MW-6A, has been impacted from off-site sources of nitrate nitrogen. The average nitrate concentration in samples from MW-6A since 1998 is 6.4 mg/l; highest measured concentration at the well was 12.2 mg/l.

Nitrate nitrogen concentrations in groundwater above the FPDWS MCL of 10/mg/l appear to be limited to the immediate vicinity of well MW-4, located at the edge of the zone of discharge for the closed landfill waste cell. Nitrate concentration measured in well MW-4A, located 75 feet to the northwest of MW-4 was 5.0 mg/l. Nitrate in well MW-4B, 170 feet north of MW-4, was reported at 1.4 mg/l. Sampling and laboratory analytical data do not indicate that groundwater with nitrate concentrations above the FPDWS MCL occurs beyond the facility zone of discharge.

7.3 Imminent Hazards

Data reviewed and collected as part of the PCAP indicate that a very thin section near the top of limestones at monitoring well MW-4 consistently produce groundwater samples with nitrate concentrations exceeding the FPDWS MCL. Results of the PCAP investigation indicate that nitrate concentrations in groundwater above the FPDWS MCL of 10 mg/l are limited to the area in the immediate vicinity of monitoring well MW-4.

Based on hydrgeologic and water quality information collected during implementation of the PCAP, groundwater standards exceedances noted in the landfill groundwater monitoring records and from the results of PCAP investigations are not considered to represent an imminent hazard to the inhabitants and natural resources of the area.

7.4 Potential Resource Impact Assessment

Considering the limited extent of groundwater containing nitrate nitrogen exceeding the FPDWS MCL at the edge of the zone of discharge established for the landfill, nitrate concentrations reported and the thickness of the monitoring zone at and near the top of rock, the potential for adverse impacts to the groundwater resources of the area is considered small. PCAP investigation results indicate nitrate concentrations in monitoring well MW-4, located at the edge of the facility zone of discharge, at levels similar to and generally lower than nitrate concentrations produced in discharges from properly functioning domestic septic tank systems.

Groundwater monitored at the closed landfill occurs within the upper five (5) to ten (10) feet of the uppermost limestone formation forming the top of the artesian Floridan aqufier.. Groundwater within this zone can potentially move horizontally as well as vertically, depending on local geologic and hydrologic conditions. The very shallow gradients on the potentiometric surface suggests that lateral movement in the monitoring zone is relatively

slow.

Groundwater in the upper part of the limestone, likely recharged in part by area-wide leakage through the overlying confining bed, may move vertically to deeper parts of the Floridan aquifer as well. An accurate assessment of vertical groundwater movement potentials within and near the closed landfill is not possible from the hydrogeologic information currently available.

The groundwater resource in the vicinity of the closed landfill is used for potable and nonpotable purposes by local residents and businesses. Domestic and irrigation wells in the area undoubtedly withdraw from the upper part of the Floridan aquifer. In most, if not all, parts of Florida the upper portion of the aquifer contains one or several discrete zones (production zones) of highly permeable rocks formed principally by dissolution of the limestones along bedding planes and at elevations of past water table stands. Existing small-diameter domestic and nonpotable water wells in the area are probably finished into the uppermost production zone. The uppermost production zone, undefined from available data for the area, is the most likely resource to be affected by elevated nitrate concentrations occurring at and near the top of limestones.

Considering the nitrate concentrations measured in monitoring well MW-4, the potential for violation of the FPDWS nitrate MCL in deeper groundwater in the uppermost production zone of the Floridan outside the facility zone of discharge is reasonably considered to be low. Nitrate concentrations in groundwater, derived from surface or near-surface sources in the vicinity of the closed landfill likely decline with depth and by mixing in highly permeable parts of the upper Floridan.

* * * * *

TABLE I
SUMMARY OF GROUNDWATER STANDARD EXCEEDANCES
SUMTER COUNTY CLOSED LANDFILL

	MW-2		MW-4		MW-6A		
Parameter	Date	Result (mg/l)	Date	Result (mg/l)	Date	Result (mg/l)	MCL (mg/l)
Aluminum	7/99	5.49	7/99	3.21	7/99	4.11	0.2
	10/99	2.67	10/99	1.69	10/99	7.68	0.2
	2/00	1.09	2/00	0.419	2/00	6.53	0.2
	5/00	1.12	5/00	0.231	5/00	2.27	0.2
	7/00	9.71	7/00	1.59	7/00	11.6	0.2
	10/01	0.7	10/01	2.7	10/01	1.6	0.2
	1/02	4.3	1/02	7.3	1/02	4.8	0.2
	8/02	0.39	5/02	0.83	5/02	0.2	0.2
			10/02	0.49	10/02	BDL	0.2
	2/03	0.52	2/03	0.3	2/03	BDL	0.2
			5/03	0.48	5/03	2.3	0.2
			7/03	0.28	7/03	2.4	0.2
			10/03	0.23			0.2
Antimony			5/00	0.00972	5/00	0.00313	0.006
Cadmium			7/00	0.0111	7/00	0.00106	0.005
Iron	7/99	1.19			7/99	0.056	0.3
	10/99	0.737				1.04	0.3
	7/00	3.95				1.12	0.3
	1/01	0.678				BDL	0.3
	1/02	0.9	1/02	0.7			0.3
Manganese	7/99	0.266			7/99	0.0253	0.05
	10/99	0.166			10/99	0.0548	0.05
	7/00	0.506			7/00	0.0482	0.05
	1/02	0.17			1/02	0.08	0.05
Nitrate			7/99	18.3		5	10
			2/00	15.3		6.25	10

TABLE I (con't)
SUMMARY OF GROUNDWATER STANDARDS EXCEEDANCES
SUMTER COUNTY CLOSED LANDFILL

	MW-2		MW-4		MW-6A		
Parameter	Date	Result (mg/l)	Date	Result (mg/l)	Date	Result (mg/l)	MCL (mg/l)
Nitrate			5/00	11.4	5/00	6.06	10
			7/00	14.6	7/00	12.2	10
			10/00	14.5	10/00	6.62	10
			1/01	10.6	1/01	5.23	10
			5/01	19	5/01	5.4	10
			7/01	15	7/01		10
			10/01	26	10/01	5.4	10
			1/02	32	1/02	7.6	10
			5/02	16	5/02	4.8	10
	8/02	29	8/02	23	8/02	5.9	10
	10/02	46	10/02	25	10/02	7.3	10
	2/03	19	2/03	15	2/03	5.7	10
			5/03	18	5/03	6.6	10
			7/03	20	7/03	6.7	10
			10/03	17	10/03	6.5	10
TDS			10/99	574	10/99	188	500
			2/00	506	2/00	210	500
			5/01	520	5/01	180	500
			7/01	502	7/01		500
			10/01	660	10/01	190	500
			1/02	560	1/02	180	500
			5/02	530	5/02	200	500
			8/02	550	8/02	180	500
	10/02	530			10/02	130	500
Thallium			10/99	0.00224	10/99	0.00028	.002
			1/01	0.00409	1/01	0.00206	.002

TABLE II

SUMMARY OF GROUNDWATER LEVELS
SUMTER COUNTY (CLOSED) LANDFILL
November 29, 2004 / January 18, 2005

Well No.	Total Well Depth (feet bls)	TOC 1/ Elevation (ft. + NGVD)	Depth to Water (ft. - toc)		Groundwater Elev. (ft.+NGVD)	
			11-29-04	01-18-05	11-29-04	01-18-05
MW-1	32 *	70.17	23.10	24.81	47.07	45.36
MW-2	37 *	69.13	21.75	23.41	47.38	45.72
MW-2A	47	72.11	24.87	26.56	47.24	45.55
MW-4	37 *	70.36	23.27	24.98	47.09	45.38
MW-4A	41	75.73	28.46	30.15	47.27	45.58
MW-4B	37	73.83	— 4/	28.23	—	45.60
MW-6A	51 *	77.54	29.93	31.73	47.61	45.81
MW-7	51 *	73.14	25.88	27.62	47.26	45.52
MW-8	41 *	69.26	20.54	22.32	48.72	46.94
MW-9	46 *	71.95	24.52	26.24	47.43	45.71
MW-9A	48	74.26	27.85	29.57	46.41	44.69
MW-10	42	68.28	—	22.60	—	45.68
MW-11	37	70.21	—	24.69	—	45.52

Notes: 1. TOC means top of PVC well casings.
2. Water levels recorded on November 29, 2004 and January 18, 2005
3. * Total well depths reported by Central Testing Laboratory, Inc.
4. Well MW-4B damaged prior to elevation survey.

TABLE III

SUMMARY OF LABORATORY RESULTS
SUMTER COUNTY CLOSED LANDFILL
MONITORING WELL MW-2
2003 - 2004

Parameter	unit	2003				2004				MCL
		I	II	III	IV	I	II	III	IV	
Ammonia, as N	mg/l	BDL	.055	BDL	.048	.065	BDL	BDL	BDL	2.8
Aluminum	ug/l	**520**	BDL	BDL	101	121	130	200	BDL	200
Barium	ug/l	31	20	16	11	9.21	12	na	na	2000
Bicarbonate	mg/l	—	—	—	—	—	—	—	100	—
Cadmium	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5
Chloride	mg/l	15	7.2	3.5	1.5	3.3	2.4	1.3	1.6	250
Chromium	ug/l	BDL	BDL	BDL	BDL	2.31	BDL	BDL	BDL	100
Copper	ug/l	BDL	BDL	BDL	4.81	BDL	BDL	BDL	BDL	1000
Fluoride	mg/l	BDL	BDL	BDL	.141	.094	.090	BDL	0.30	2
Iron	ug/l	160	BDL	75	36	43	BDL	63	BDL	300
Manganese	ug/l	34	BDL	BDL	3.61	4.91	4.2	BDL	BDL	50
Nitrate, as N	mg/l	**19**	9.3	6.8	2.3	4.6	6.0	1.3	0.74	10
Sodium	mg/l	13	9.3	7.0	2.8	6.9	7.2	1.8	1.9	160
Sulfate	mg/l	30	15	21	9.5	19	16	na	na	250
TDS	mg/l	320	210	180	180	120	160	79	140	500

Notes: **BOLD LETTERING** indicates constituent exceeded MCL
na - means constituent not analyzed

TABLE IV

SUMMARY OF LABORATORY RESULTS
SUMTER COUNTY CLOSED LANDFILL
MONITORING WELL MW-4
2003 - 2004

Parameter	unit	2003				2004				MCL
		I	II	III	IV	I	II	III	IV	
Ammonia, as N	mg/l	BDL	.058	.06	.046	.066	.092	BDL	0.18	**2.8**
Aluminum	ug/l	**300**	**480**	**280**	**230**	**300**	130	BDL	**250**	**200**
Antimony	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**6**
Barium	ug/l	14	15	15	14	15	13	na	na	**2000**
Bicarbonate	mg/l	—	—	—	—	—	—	—	220	—
Cadmium	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**5**
Chloride	mg/l	54	61	67	59	3.3	48	52	46	**250**
Chromium	ug/l	BDL	BDL	BDL	BDL	5.0	BDL	BDL	BDL	**100**
Copper	ug/l	BDL	BDL	BDL	2.9	3.9	2.8	na	BDL	**1000**
Fluoride	mg/l	BDL	BDL	BDL	.063	.094	.054	BDL	BDL	**2**
Iron	ug/l	BDL	BDL	BDL	32	52	BDL	BDL	BDL	**300**
Lead	ug/l	BDL	BDL	BDL	BDL	1.6	BDL	BDL	BDL	**15**
Manganese	ug/l	BDL	BDL	BDL	1.8	4.4	BDL	11	BDL	**50**
Mercury	ug/l	BDL	BDL	BDL	BDL	0.11	BDL	na	BDL	**2.0**
Nickel	ug/l	BDL	BDL	BDL	BDL	4.9	BDL	na	BDL	**100**
Nitrate, as N	mg/l	**15**	**18**	**20**	**17**	4.6	**13**	**16**	**13**	**10**
Selenium	ug/l	BDL	BDL	BDL	5.3	BDL	BDL	na	BDL	**50**
Sodium	mg/l	50	60	63	60	53	51	50	50	**160**
Sulfate	mg/l	15	14	20	20	19	23	na	na	**250**
TDS	mg/l	480	450	490	480	120	430	440	**520**	**500**
Thallium	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	**2**
Zinc	ug/l	BDL	BDL	BDL	na	6.2	BDL	na	BDL	**5000**

Notes: **BOLD LETTERING** indicates constituent exceeded MCL
na - means constituent not analyzed

TABLE V

SUMMARY OF LABORATORY RESULTS
SUMTER COUNTY CLOSED LANDFILL
MONITORING WELL MW-6A
2003 - 2004

Parameter	unit	2003				2004				MCL
		I	II	III*	IV	I	II	III	IV	
Ammonia, as N	mg/l	BDL	.07	BDL	.041	.065	BDL	BDL	BDL	2.8
Aluminum	ug/l	BDL	**2300**	**2400**	na	75	70	63	BDL	200
Antimony	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6
Barium	ug/l	BDL	BDL	48	2.3	2.6	3.0	na	na	2000
Bicarbonate	mg/l	---	---	---	---	---	---	---	67	
Cadmium	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5
Chloride	mg/l	7.7	8.7	9.4	7.8	7.7	8.6	6.9	8	250
Chromium	ug/l	BDL	BDL	21	BDL	8.7	2.6	BDL	BDL	100
Copper	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	na	BDL	1000
Fluoride	mg/l	BDL	BDL	BDL	.072	BDL	.046	BDL	0.23	2
Iron	ug/l	BDL	BDL	290	BDL	30	BDL	BDL	BDL	300
Manganese	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	50
Nitrate, as N	mg/l	5.7	6.6	6.7	6.5	6.3	6.1	6.4	6.2	10
Selenium	ug/l	BDL	BDL	BDL	4.8	BDL	BDL	na	BDL	50
Sodium	mg/l	2.9	3.0	2.8	3.0	3.1	2.9	3.4	3.4	160
Sulfate	mg/l	12	12	16	14	13	14	na	na	250
TDS	mg/l	200	170	160	200	160	200	180	180	500
Thallium	ug/l	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2

Notes: **BOLD LETTERING** indicates constituent exceeded MCL
na - means constituent not analyzed
* - Quarter III 2004 field turbidity reported at 114 NTU

TABLE VI

FIELD PARAMETER RESULTS SUMMARY
SUMTER COUNTY CLOSED LANDFILL
PCAP MONITORING WELLS
November 29 - 30, 2004

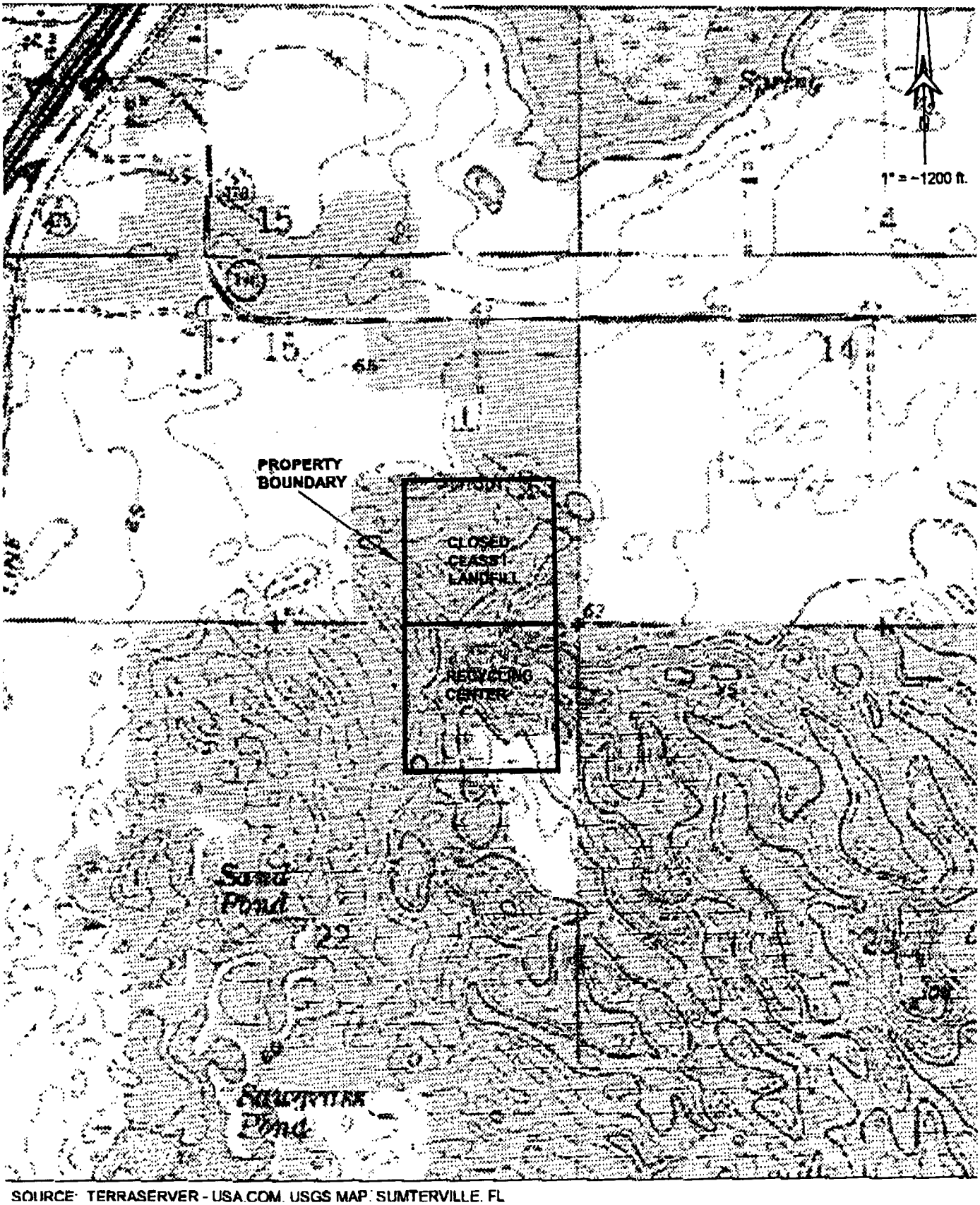
Sampling Point	Temp. (C)	Dissolved Oxygen (mg/l)	pH	Specific Conductance (umhos/cm)	Turbidity (NTU)
MW-2	28.2	4.40	7.08	155	11.81
MW-2A	27.8	0.02	6.75	580	6.24
MW-4	27.9	0.38	7.31	573	7.01
MW-4A	28.2	0.44	7.41	412	13.9
MW-4B	27.8	4.38	9.35	240	11.70
MW-6A	26.6	6.87	8.26	187	12.65

TABLE VII

SUMMARY OF DETECTED CONSTITUENTS
SUMTER COUNTY CLOSED LANDFILL
PCAP MONITORING WELLS
November 29-30, 2004

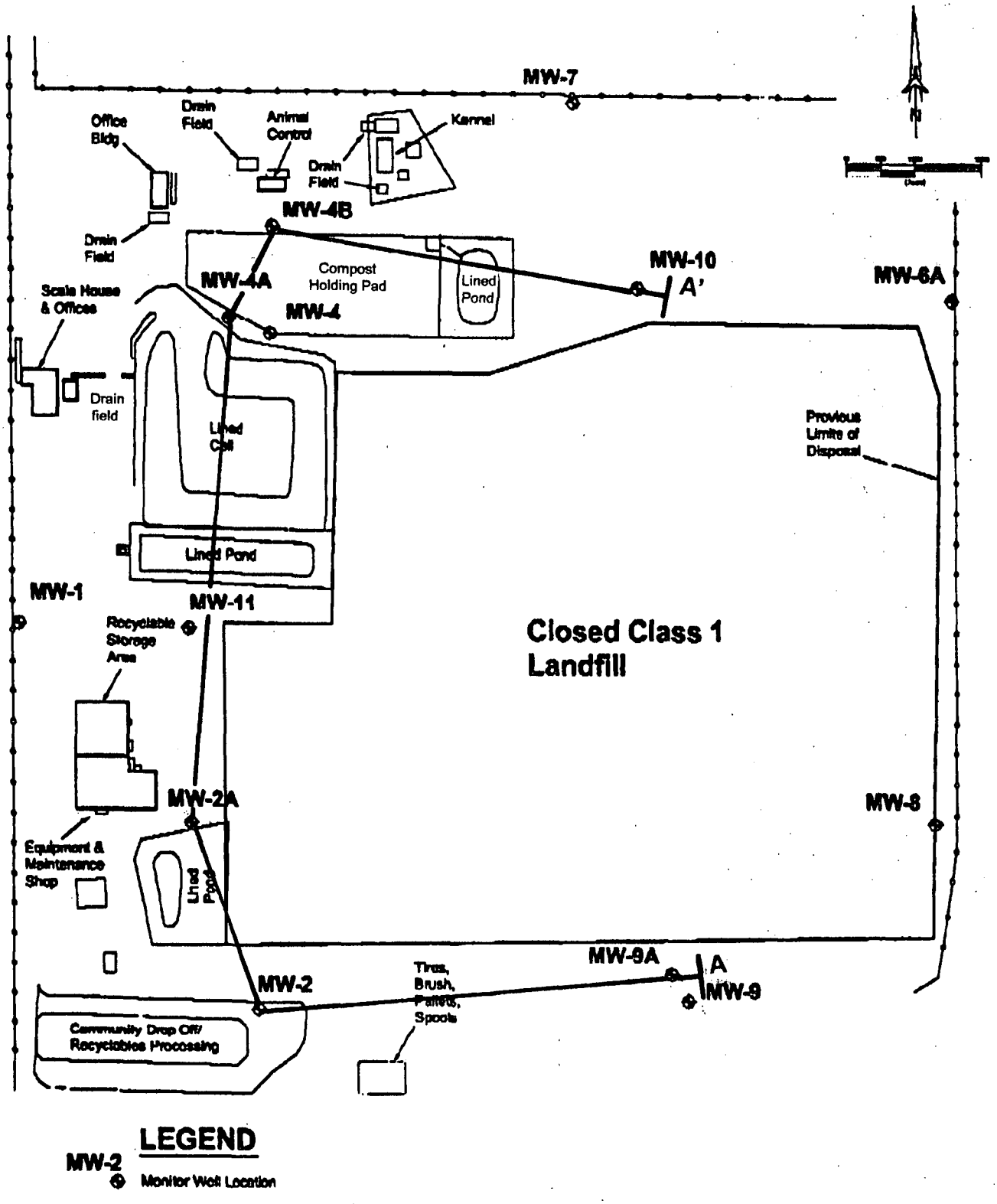
Parameter	unit	MW-2	MW-2A	MW-4	Dupl.	MW-4A	MW-4B	MW-6A	eqblk	MCL
Aluminum	ug/l	**220**	200	120	110	**390**	**700**	55	36	**200**
Barium	ug/l	10	11	11	10	15	10	2.5	BDL	**2000**
Chloride	mg/l	0.99	5.3	54	55	25	12	7.4	BDL	**250**
Chromium	ug/l	13	3.8	BDL	BDL	BDL	BDL	4.5	3.0	**100**
Iron	ug/l	0.13	2.2	62	55	54	BDL	BDL	BDL	**300**
Nickel	ug/l	6.0	4.7	BDL	BDL	BDL	BDL	BDL	BDL	**100**
Nitrate, N	mg/l	0.83	BDL	**14**	**14**	5.0	1.4	6.5	BDL	**10**
pH	su	7.08	6.75	7.31	7.31	7.41	**9.35**	8.26	---	**<6.5 >8.5**
Sodium	mg/l	2.1	10	56	52	22	16	3.3	BDL	**160**
TDS	mg/l	90	360	400	440	280	160	150	BDL	**500**
Vanadium	ug/l	3.5	5.2	11	11	BDL	24	7.7	BDL	**49**
Zinc	ug/l	BDL	7.6	BDL	BDL	BDL	BDL	BDL	22	**5000**

Notes: **Bold Lettering** indicates constituent exceeds MCL
Dupl. is duplicate sample of MW-4
eqblk is equipment blank

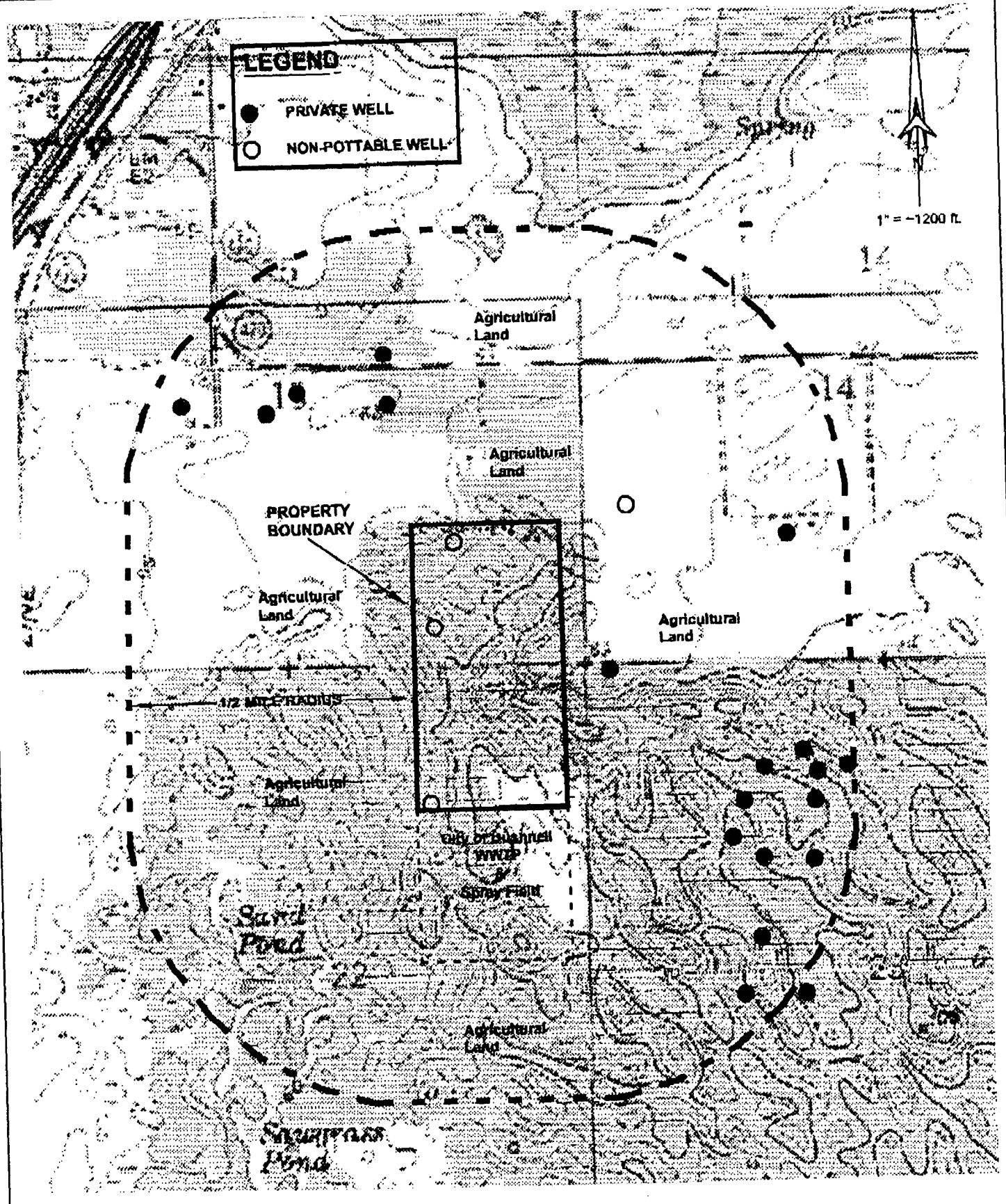


SOURCE: TERRASERVER - USA.COM. USGS MAP: SUMTERVILLE, FL

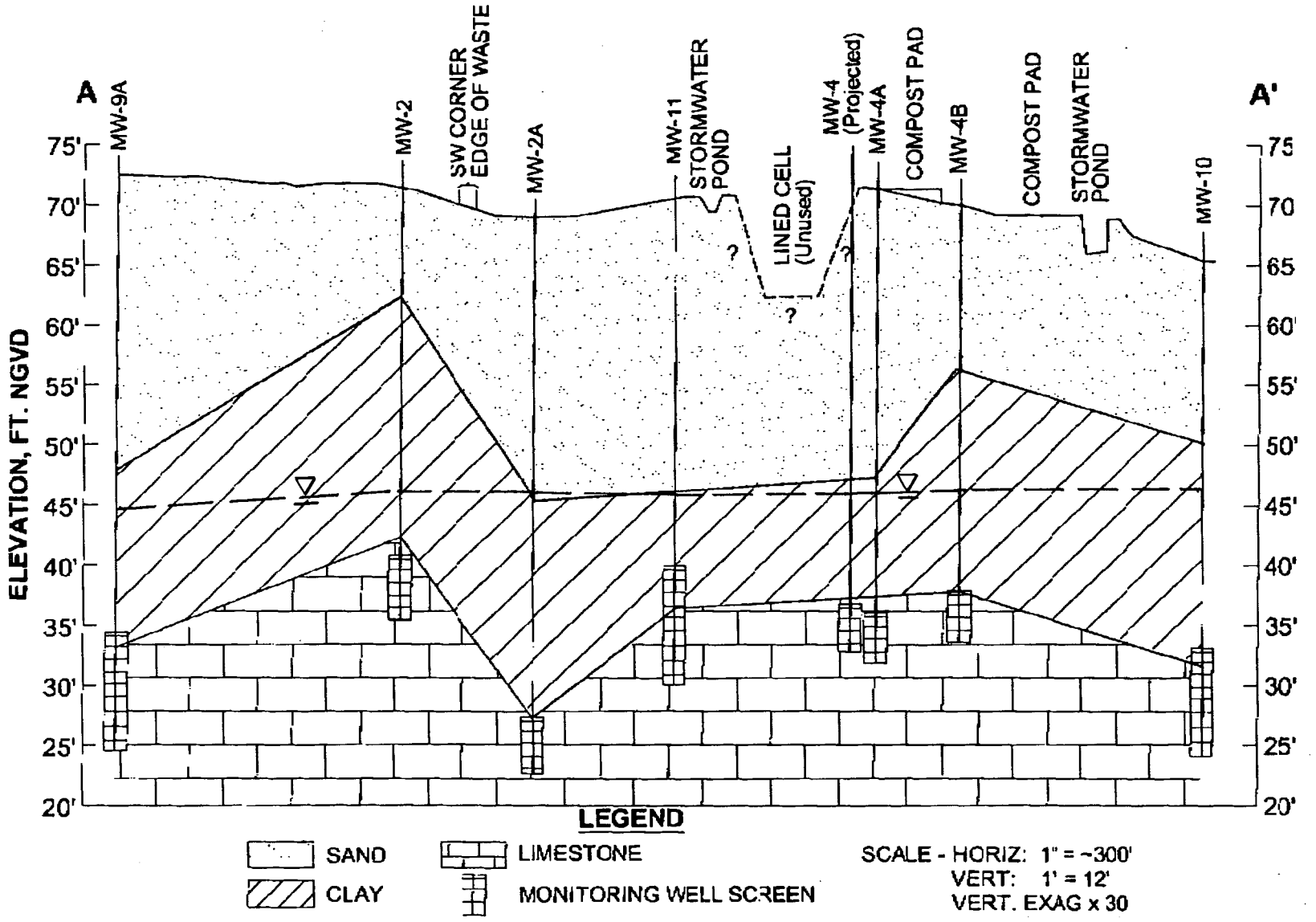
PROJ. NO. P-257.20 DATE: Dec. 21, 2004 SCALE: 1" = 1,200 ' (approx.) **THE COLINAS GROUP**	**SUMTER COUNTY** **CLOSED CLASS I LANDFILL** **SITE LOCATION MAP** **FIGURE 1**



PROJ. NO. P-257.20 DATE: Dec. 21, 2004 SCALE: 1" = 200 ' (approx.)' THE COLINAS GROUP	SUMTER COUNTY CLOSED CLASS I LANDFILL SITE PLAN FIGURE 2



PROJ. NO. P-257.20 DATE: Jan. 5, 2005 SCALE: 1" = 1,200 ' (approx.) **THE COLINAS GROUP**	**EXISTING WELL / POLLUTION SOURCE INVENTORY, SUMTER COUNTY CLOSED CLASS I LANDFILL** **FIGURE 3**

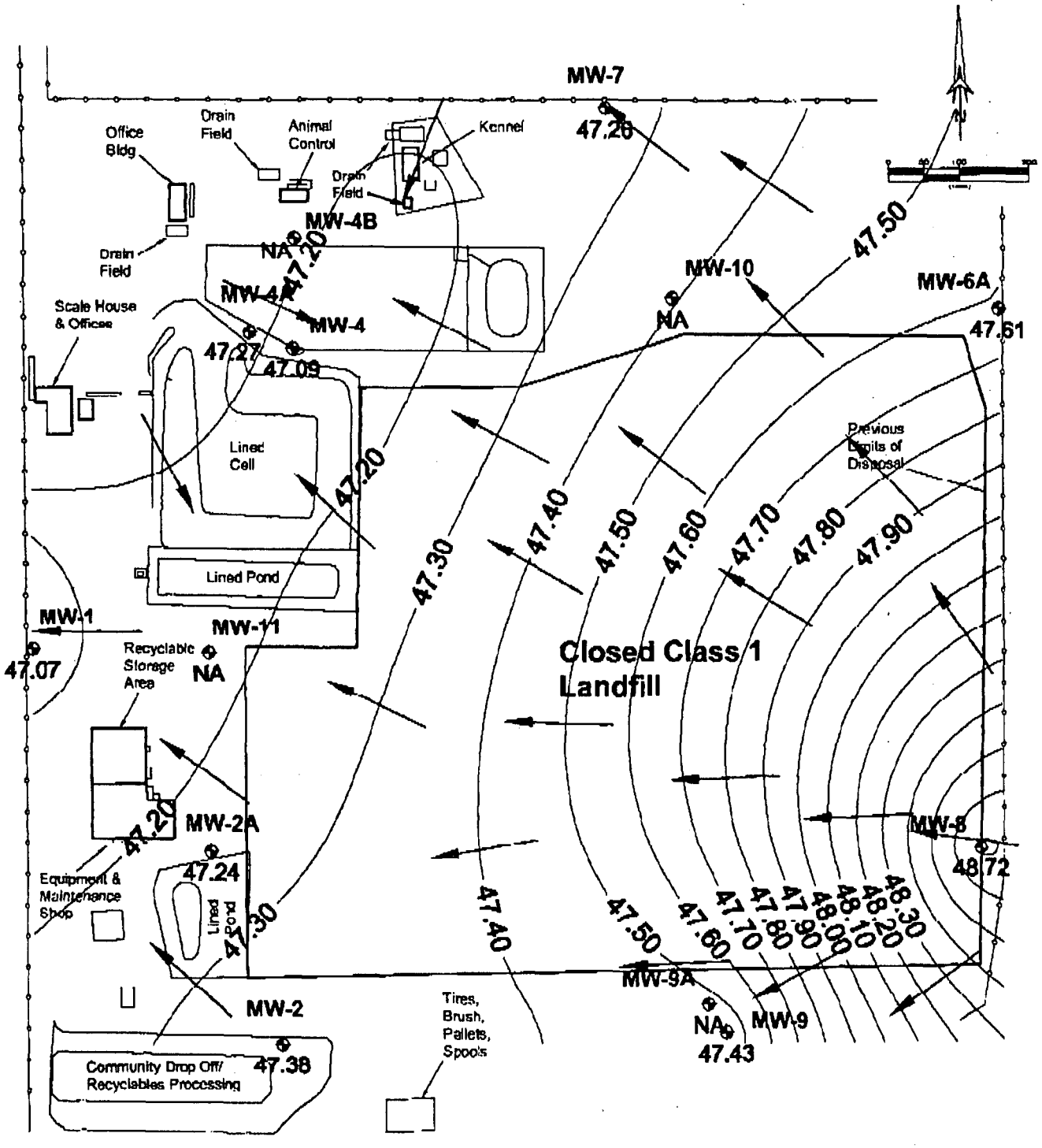


PROJ. NO. P-257.20
DATE: Jan. 5, 2004
SCALE: 1" = 300' horiz. (approx.)

THE COLINAS GROUP
Hydrogeologists & Engineers, Inc.

GENERALIZED GEOLOGIC CONDITIONS ALONG CROSS-SECTION A - A'
SUMTER COUNTY CLOSED LANDFILL

FIGURE 4



LEGEND

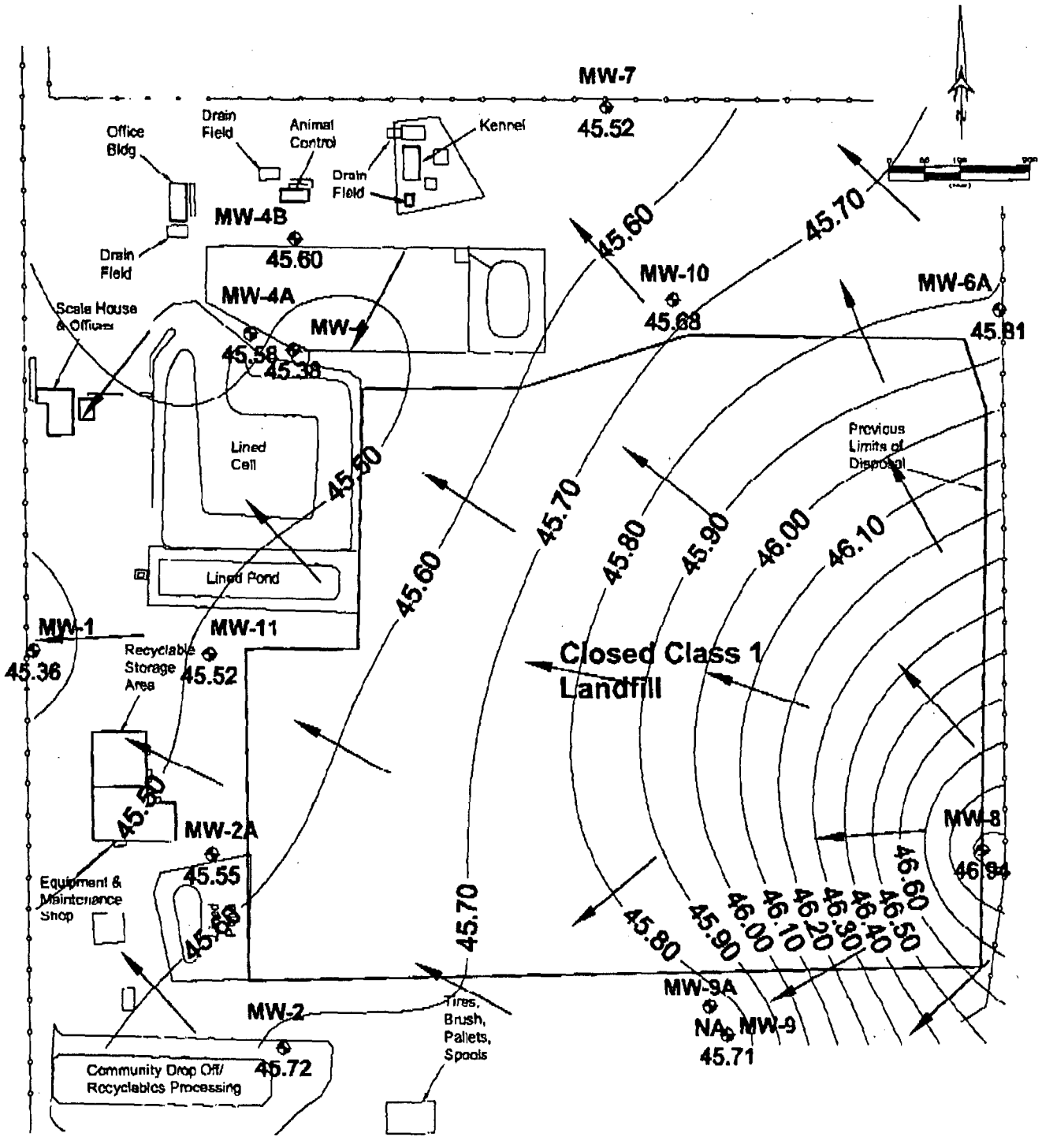
MW-2 Monitor Well Location

47.38 Groundwater Elevation (ft, NGVD, 11/29/04)

47.20 Groundwater Contour (Potentiometric Surface, 11/29/04)

Estimated Groundwater Flow Direction (11/29/04)

PROJ. NO. P-257.20 DATE: Dec. 10, 2004 SCALE: 1" = 200 ' (approx.)' THE COLINAS GROUP	SUMTER COUNTY LANDFILL GROUNDWATER CONTOUR MAP (November 29, 2004) FIGURE 5



LEGEND

MW-2 — Monitor Well Location

45.72 — Groundwater Elevation (ft, NGVD, 1/18/05)

45.70 — Groundwater Contour (Potentiometric Surface, 1/18/05)

Estimated Groundwater Flow Direction (1/18/05)

PROJ. NO. P-257.20 DATE: Jan.20, 2005 SCALE: 1" = 200 ' (approx.)' THE COLINAS GROUP	SUMTER COUNTY LANDFILL GROUNDWATER CONTOUR MAP (January 18, 2005) FIGURE 6

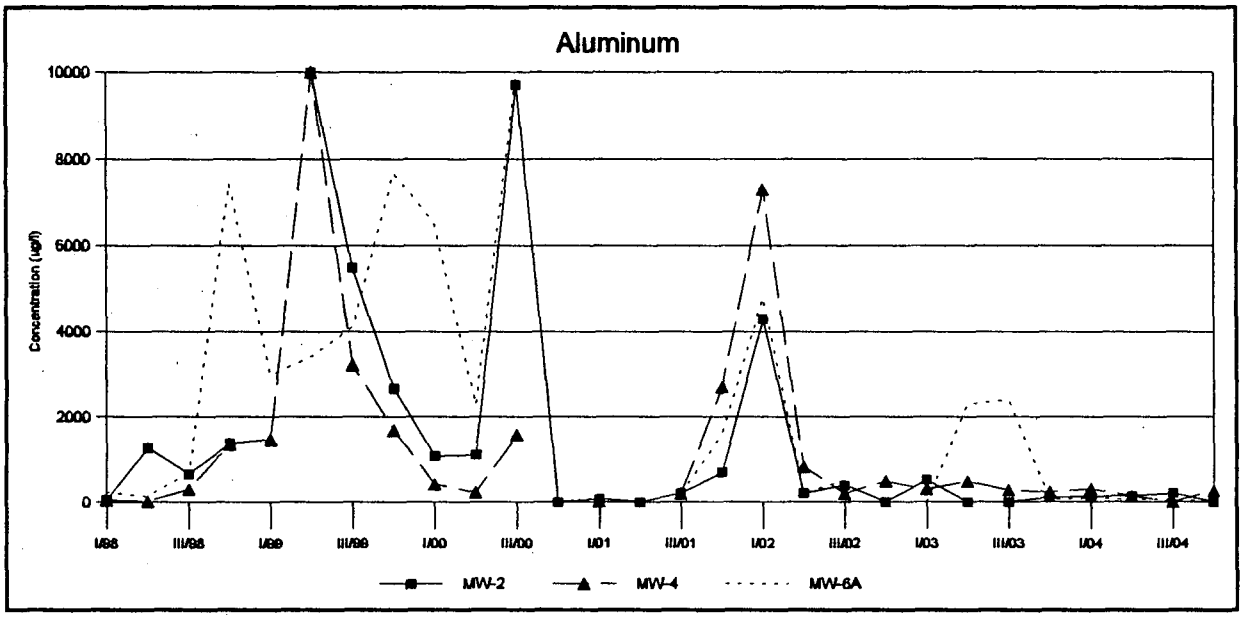


Figure 7. Aluminum concentrations over time at MW-2, MW-3 and MW-6A. Secondary MCL for aluminum is 200 ug/l.

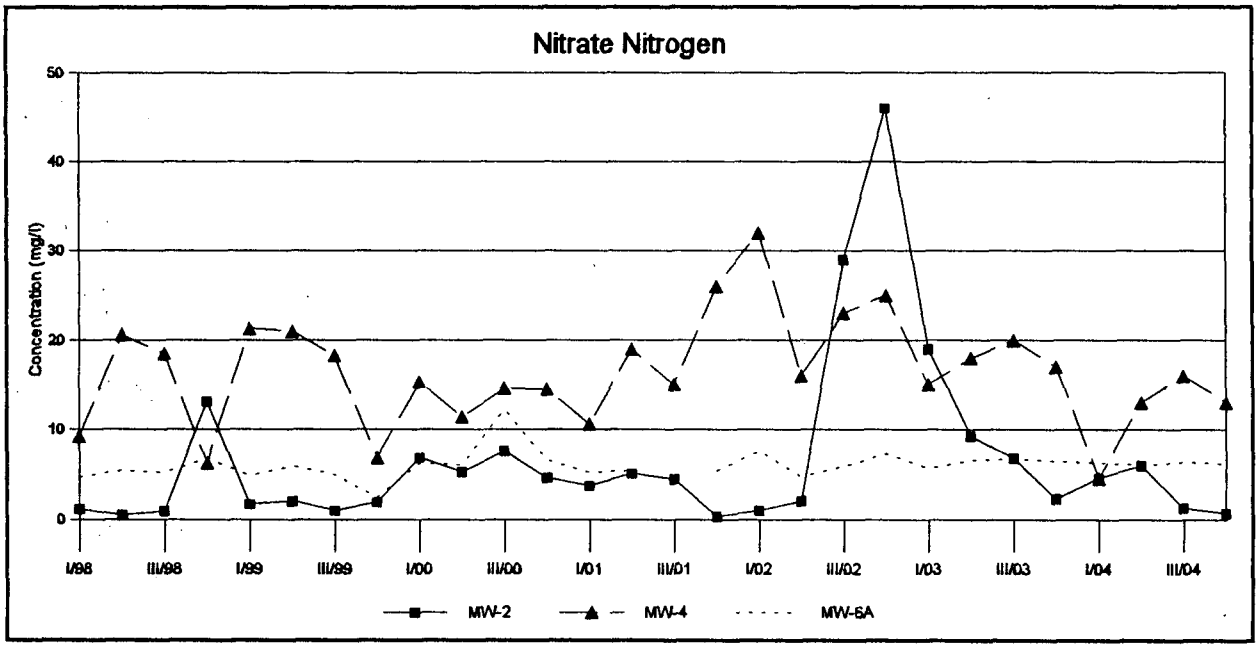


Figure 8. Nitrate nitrogen concentrations over time at MW-2, MW-4 and MW-6A. Primary MCL for nitrate nitrogen is 10 mg/l.

1

MONITORING WELL
ANALYTICAL LABORATORY REPORTS

US Biosystems

REPORT OF ANALYSIS

The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789

Log #: L101993
Date: 12/15/2004
Report Period: Q4 2004

Attn: Rick Potts

Client Project ID: Sumter Cty Landfill
Collected By: Client

Laboratory Sample #	Client Sample #
L101993-1	MW-2
L101993-2	MW-2A
L101993-3	MW-6A
L101993-4	Equipment Blank

Respectfully Submitted,

Steve Walton
Client Technical Svcs. Manager

FLDOH/NELAC# E86240
GA CERT# 917
IL/NELAC CERT# 200020
VA CERT# 00395

KS/NELAC# E-10360
ADEM ID# 40850
TN CERT# 02985
USDA Soil Permit# S-35240

NC CERT# 444
SC CERT# 96031001

US Biosystems

REPORT OF ANALYSIS

The Colinas Group
509 N. Virginia Ave.
Winter Park, FL 32789

Log #: L101925
Date: 12/14/2004
Report Period: 4Q 2004

Attn: Rick Potts

Client Project ID: Sumter Cty Landfill
Collected By: Client

Laboratory Sample #	Client Sample #
L101925-1	MW-4
L101925-2	MW-4A
L101925-3	MW-4B
L101925-4	Duplicate

Respectfully Submitted,

Steve Walton
Client Technical Svcs. Manager

FLDOH/NELAC# E86240
GA CERT# 917
IL/NELAC CERT# 200020
VA CERT# 00395

KS/NELAC# E-10360
ADEM ID# 40850
TN CERT# 02985
USDA Soil Permit# S-35240

NC CERT# 444
SC CERT# 96031001

Client: The Colinas Group

Report of Analysis for DEP

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-2
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 11:20
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
	APP II Pesticides								
39516	PCB 1016	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1221	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1232	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1242	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1248	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1254	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1260	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
	Dilution Factor	Pump	N	3510/8082	12/03/04	1.0			
	Surrogate Recoveries:								
	TCMX	Pump	N	3510/8082	12/03/04	81.0	%		
	DCB	Pump	N	3510/8082	12/03/04	78.0	%		
	Appendix II Herbicides								
39730	2,4-D	Pump	N	8151	12/05/04	<2.0	ug/l	70	Primary
39760	2,4,5-TP	Pump	N	8151	12/05/04	<2.0	ug/l	50	Primary
39740	2,4,5-T	Pump	N	8151	12/05/04	<2.0	ug/l	70	Guidance
	Dilution Factor	Pump	N	8151	12/05/04	1.0			
	Surrogate Recoveries:								
	DCAA	Pump	N	8151	12/05/04	48.0	%		
	Appendix II Metals								
01097	Antimony	Pump	N	200.8	12/03/04	<2.0	ug/l	6.0	Primary

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-2
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 11:20
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Metals (continued)									
01002	Arsenic	Pump	N	200.8	12/03/04	<2.0	ug/l	50	Primary
01007	Barium	Pump	N	200.8	12/03/04	10	ug/l	2000	Primary
01012	Beryllium	Pump	N	200.8	12/03/04	<2.0	ug/l	4.0	Primary
01027	Cadmium	Pump	N	200.8	12/03/04	<2.0	ug/l	5.0	Primary
01034	Chromium	Pump	N	200.8	12/03/04	13	ug/l	100	Primary
01037	Cobalt	Pump	N	200.8	12/03/04	<2.0	ug/l	420	Guidance
01042	Copper	Pump	N	200.8	12/03/04	<2.0	ug/l	1000	Secondary
01051	Lead	Pump	N	200.8	12/03/04	<2.0	ug/l	15	Primary
01067	Nickel	Pump	N	200.8	12/03/04	6.0	ug/l	100	Primary
01147	Selenium	Pump	N	200.8	12/03/04	<2.0	ug/l	50	Primary
01077	Silver	Pump	N	200.8	12/03/04	<2.0	ug/l	100	Secondary
01059	Thallium	Pump	N	200.8	12/03/04	<2.0	ug/l	2.0	Primary
NA204	Tin	Pump	N	3010/6010	12/05/04	<50	ug/l	4200	Guidance
01087	Vanadium	Pump	N	200.8	12/03/04	3.5	ug/l	49	Guidance
01092	Zinc	Pump	N	200.8	12/03/04	<5.0	ug/l	5000	Secondary
71900	Mercury	Pump	N	245.1	12/03/04	<0.20	ug/l	2.0	Primary
Polynuclear Aromatic Hydrocarbons									
34696	Naphthalene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	20	Guidance
77416	2-Methylnaphthalene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	20	Guidance
77418	1-Methylnaphthalene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	20	Guidance
34200	Acenaphthylene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	210	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications		Sample Appearance	
Diameter (in):	NA	Tint:	NA
Water Level (ft):	NA	Color:	NA
Total Depth (ft):	NA	Turbidity:	NA
Column Height (ft):	NA	Odor:	NA
Column Volume (gal):	NA	Environmental Conditions	
Evacuation (gal):	NA	Wind:	NA
Actual (gal):	NA	Rain:	NA
		Air (^C):	NA
		Atmosphere:	NA

Evacuation Method: NA Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-2
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 11:20
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Polynuclear Aromatic Hydrocarbons	**(continued)**								
34205	Acenaphthene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	20	Guidance
34381	Fluorene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	280	Guidance
34461	Phenanthrene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	210	Guidance
34220	Anthracene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	2100	Guidance
34376	Fluoranthene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	280	Guidance
34469	Pyrene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	210	Guidance
34526	Benzo(a)anthracene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Primary
34320	Chrysene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	4.8	Guidance
34230	Benzo(b)fluoranthene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Guidance
34242	Benzo(k)fluoranthene	Pump	N	3510/8270	12/02/04	<0.50	ug/l	0.50	Guidance
34247	Benzo(a)pyrene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Primary
34556	Dibenzo(a,h)Anthracene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Guidance
34403	Indeno(1,2,3-c,d)pyrene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Guidance
34521	Benzo(g,h,i)perylene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	210	Guidance
	Dilution Factor	Pump	N	3510/8270	12/02/04	1.0			
	Surrogate Recoveries:								
	Nitrobenzene-d5	Pump	N	3510/8270	12/02/04	31.0	%		
	2-Fluorobiphenyl	Pump	N	3510/8270	12/02/04	46.0	%		
	Terphenyl-d14	Pump	N	3510/8270	12/02/04	71.0	%		
Appendix II Pesticide Compounds									
39330	Aldrin	Pump	N	3510/8081	12/13/04	<0.0086	ug/l	0.0050	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-2
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 11:20
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Pesticide Compounds	**(continued)**								
39337	alpha-BHC	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.0060	Guidance
39338	beta-BHC	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.020	Guidance
34259	delta-BHC	Pump	N	3510/8081	12/13/04	<0.050	ug/l	2.1	Guidance
39340	gamma-BHC	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.20	Primary
NA118	Technical Chlordane	Pump	N	3510/8081	12/13/04	<0.50	ug/l	2.0	Primary
39460	Chlorobenzilate	Pump	N	3510/8081	12/13/04	<0.20	ug/l	0.10	Guidance
NA119	4,4'-DDD	Pump	N	3510/8081	12/13/04	<0.080	ug/l	0.10	Guidance
NA120	4,4'-DDE	Pump	N	3510/8081	12/13/04	<0.080	ug/l	0.10	Guidance
NA121	4,4'-DDT	Pump	N	3510/8081	12/13/04	<0.080	ug/l	0.10	Guidance
39380	Dieldrin	Pump	N	3510/8081	12/13/04	<0.011	ug/l	0.0050	Guidance
34361	Endosulfan I	Pump	N	3510/8081	12/13/04	<0.050	ug/l	42	Guidance
34356	Endosulfan II	Pump	N	3510/8081	12/13/04	<0.10	ug/l	42	Guidance
34351	Endosulfan Sulfate	Pump	N	3510/8081	12/13/04	<0.10	ug/l		
39390	Endrin	Pump	N	3510/8081	12/13/04	<0.10	ug/l	2.0	Primary
34366	Endrin Aldehyde	Pump	N	3510/8081	12/13/04	<0.10	ug/l		
39410	Heptachlor	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.40	Primary
39420	Heptachlor Epoxide	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.20	Primary
39430	Isodrin	Pump	N	3510/8081	12/13/04	<0.050	ug/l		
39480	Methoxychlor	Pump	N	3510/8081	12/13/04	<0.50	ug/l	40	Primary
39400	Toxaphene	Pump	N	3510/8081	12/13/04	<2.4	ug/l	3.0	Primary
39018	Kepone	Pump	N	3510/8081	12/13/04	<10	ug/l	3.0	Primary
	Dilution Factor	Pump	N	3510/8081	12/13/04	1.0			

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications		Sample Appearance	
Diameter (in):	NA	Tint:	NA
Water Level (ft):	NA	Color:	NA
Total Depth (ft):	NA	Turbidity:	NA
Column Height (ft):	NA	Odor:	NA
Column Volume (gal):	NA	Environmental Conditions	
Evacuation (gal):	NA	Wind:	NA
Actual (gal):	NA	Rain:	NA
		Air (^C):	NA
		Atmosphere:	NA
Evacuation Method:	NA	Other:	NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-2
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 11:20
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Pesticide Compounds (continued)									
	Surrogate Recoveries:								
	TCMX	Pump	N	3510/8081	12/13/04	71.0	%		
	DCB	Pump	N	3510/8081	12/13/04	60.0	%		
Appendix II Phosphoralated Pesticides									
46314	Dimethoate	Pump	N	3510/8141	12/02/04	<0.26	ug/l	0.10	Guidance
81888	Disulfoton	Pump	N	3510/8141	12/02/04	<0.27	ug/l	0.30	Guidance
38462	Famphur	Pump	N	3510/8141	12/02/04	<0.50	ug/l	3.5	Guidance
39540	Parathion, Ethyl	Pump	N	3510/8141	12/02/04	<0.50	ug/l	42	Guidance
39600	Parathion, Methyl	Pump	N	3510/8141	12/02/04	<0.50	ug/l	42	Guidance
46313	Phorate	Pump	N	3510/8141	12/02/04	<0.50	ug/l	1.4	Guidance
73553	Thionazin	Pump	N	3510/8141	12/02/04	<0.50	ug/l		Guidance
	Dilution Factor	Pump	N	3510/8141	12/02/04	1.0			
	Surrogate Recoveries:								
	Tributylphosphate	Pump	N	3510/8141	12/02/04	75.0	%		
	Triphenylphosphate	Pump	N	3510/8141	12/02/04	84.0	%		
Appendix II Semi-Volatiles									
81553	Acetophenone	Pump	N	3510/8270	12/03/04	<10	ug/l	700	Guidance
82204	2-Acetylaminofluorene	Pump	N	3510/8270	12/03/04	<10	ug/l		
77581	4-Aminobiphenyl	Pump	N	3510/8270	12/03/04	<10	ug/l		
77147	Benzyl alcohol	Pump	N	3510/8270	12/03/04	<10	ug/l	2100	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-2
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 11:20
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
34278	Bis(2-Chloroethoxy)methane	Pump	N	3510/8270	12/03/04	<10	ug/l		
34273	Bis(2-Chloroethyl) Ether	Pump	N	3510/8270	12/03/04	<3.2	ug/l	4.0	Guidance
73522	Bis(2-Chloro-1-Methylethyl)Et	Pump	N	3510/8270	12/03/04	<10	ug/l		
39100	Bis(2-Ethylhexyl)Phthalate	Pump	N	3510/8270	12/03/04	<4.0	ug/l	6.0	Primary
34636	4-Bromophenylphenylether	Pump	N	3510/8270	12/03/04	<10	ug/l	410	Guidance
34292	Butylbenzylphthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	140	Guidance
77954	p-Chloroaniline	Pump	N	3510/8270	12/03/04	<10	ug/l	28	Guidance
34452	p-Chloro-m-Cresol	Pump	N	3510/8270	12/03/04	<10	ug/l	63	Guidance
34581	2-Chloronaphthalene	Pump	N	3510/8270	12/03/04	<10	ug/l	560	Guidance
34586	2-Chlorophenol	Pump	N	3510/8270	12/03/04	<10	ug/l	35	Guidance
34641	4-Chlorophenyl-phenylether	Pump	N	3510/8270	12/03/04	<10	ug/l		
77151	m-Cresol	Pump	N	3510/8270	12/03/04	<10	ug/l	35	Guidance
77152	o-Cresol	Pump	N	3510/8270	12/03/04	<10	ug/l	35	Guidance
77146	p-Cresol	Pump	N	3510/8270	12/03/04	<3.2	ug/l	4.0	Guidance
73540	Diallate	Pump	N	3510/8270	12/03/04	<4.3	ug/l	0.60	Guidance
81302	Dibenzofuran	Pump	N	3510/8270	12/03/04	<10	ug/l	28	Guidance
39110	Di-N-Butyl Phthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	700	Guidance
34536	o-Dichlorobenzene	Pump	N	3510/8270	12/03/04	<10	ug/l	600	Primary
34566	m-Dichlorobenzene	Pump	N	3510/8270	12/03/04	<8.0	ug/l	10	Guidance
34571	p-Dichlorobenzene	Pump	N	3510/8270	12/03/04	<10	ug/l	75	Primary
34631	3,3'-Dichlorobenzidine	Pump	N	3510/8270	12/03/04	<9.6	ug/l	12	Guidance
34601	2,4-Dichlorophenol	Pump	N	3510/8270	12/03/04	<6.7	ug/l	0.50	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-2
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 11:20
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
77541	2,6-Dichlorophenol	Pump	N	3510/8270	12/03/04	<4.0	ug/l	4.0	Guidance
34336	Diethyl Phthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	5600	Guidance
73558	p-Dimethylaminoazobenzene	Pump	N	3510/8270	12/03/04	<10	ug/l		
73559	7,12-Dimethylbenzo(a)anthrace	Pump	N	3510/8270	12/03/04	<10	ug/l		
NA030	3,3'-Dimethylbenzidine	Pump	N	3510/8270	12/03/04	<200	ug/l	250	Guidance
34606	2,4-Dimethyl Phenol	Pump	N	3510/8270	12/03/04	<10	ug/l	140	Guidance
34341	Dimethyl Phthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	70000	Guidance
45622	m-Dinitrobenzene	Pump	N	3510/8270	12/03/04	<6.4	ug/l	8.0	Guidance
34657	4,6-Dinitro-o-Cresol	Pump	N	3510/8270	12/03/04	<50	ug/l		
34616	2,4-Dinitrophenol	Pump	N	3510/8270	12/03/04	<10	ug/l	14	Guidance
34611	2,4-Dinitrotoluene	Pump	N	3510/8270	12/03/04	<1.3	ug/l	0.10	Guidance
34626	2,6-Dinitrotoluene	Pump	N	3510/8270	12/03/04	<1.3	ug/l	0.10	Guidance
30191	Dinoseb	Pump	N	3510/8270	12/03/04	<6.7	ug/l	7.0	Guidance
34596	Di-N-Octyl Phthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	140	Guidance
77579	Diphenylamine	Pump	N	3510/8270	12/03/04	<10	ug/l	180	Guidance
73571	Ethyl Methanesulfonate	Pump	N	3510/8270	12/03/04	<10	ug/l		
39700	Hexachlorobenzene	Pump	N	3510/8270	12/03/04	<1.4	ug/l	1.0	Primary
34391	Hexachlorobutadiene	Pump	N	3510/8270	12/03/04	<10	ug/l		
34386	Hexachlorocyclopentadiene	Pump	N	3510/8270	12/03/04	<10	ug/l	50	Primary
34396	Hexachloroethane	Pump	N	3510/8270	12/03/04	<2.0	ug/l	2.5	Guidance
73576	Hexachloropropene	Pump	N	3510/8270	12/03/04	<10	ug/l		
34408	Isophorone	Pump	N	3510/8270	12/03/04	<10	ug/l	37	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-2
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 11:20
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
78727	Isosafrole	Pump	N	3510/8270	12/03/04	<10	ug/l		
73589	Methapyrilene	Pump	N	3510/8270	12/03/04	<2000	ug/l		
73591	3-Methylcholanthrene	Pump	N	3510/8270	12/03/04	<10	ug/l		
73595	Methyl Methanesulfonate	Pump	N	3510/8270	12/03/04	<10	ug/l		
77416	2-Methylnaphthalene	Pump	N	3510/8270	12/03/04	<10	ug/l	20	Guidance
73599	1,4-Naphthoquinone	Pump	N	3510/8270	12/03/04	<10	ug/l		
73600	1-Naphthylamine	Pump	N	3510/8270	12/03/04	<10	ug/l		
82191	2-Naphthylamine	Pump	N	3510/8270	12/03/04	<8.0	ug/l	10	Guidance
78142	o-Nitroaniline	Pump	N	3510/8270	12/03/04	<40	ug/l	50	Guidance
78300	m-Nitroaniline	Pump	N	3510/8270	12/03/04	<40	ug/l	50	Guidance
30342	p-Nitroaniline	Pump	N	3510/8270	12/03/04	<17	ug/l	21	Guidance
34447	Nitrobenzene	Pump	N	3510/8270	12/03/04	<3.2	ug/l	4.0	Guidance
34591	o-Nitrophenol	Pump	N	3510/8270	12/03/04	<10	ug/l		
34646	p-Nitrophenol	Pump	N	3510/8270	12/03/04	<45	ug/l	56	Guidance
78200	N-Nitrosodi-n-butylamine	Pump	N	3510/8270	12/03/04	<4.2	ug/l	4.0	Guidance
78200	N-Nitrosodiethylamine	Pump	N	3510/8270	12/03/04	<3.7	ug/l	4.0	Guidance
34438	N-Nitrosodimethylamine	Pump	N	3510/8270	12/03/04	<1.2	ug/l	2.0	Guidance
34433	N-Nitrosodiphenylamine	Pump	N	3510/8270	12/03/04	<4.0	ug/l	7.1	Guidance
34428	N-Nitrosodipropylamine	Pump	N	3510/8270	12/03/04	<3.2	ug/l	4.0	Guidance
73613	N-Nitrosomethylethylamine	Pump	N	3510/8270	12/03/04	<6.4	ug/l	8.0	Guidance
73619	N-Nitrosopiperidine	Pump	N	3510/8270	12/03/04	<10	ug/l		
78206	N-Nitrosopyrolidine	Pump	N	3510/8270	12/03/04	<6.4	ug/l	8.0	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-2
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 11:20
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
73622	5-Nitro-o-Toluidine	Pump	N	3510/8270	12/03/04	<10	ug/l		
77793	Pentachlorobenzene	Pump	N	3510/8270	12/03/04	<4.5	ug/l	5.6	Guidance
81316	Pentachloronitrobenzene	Pump	N	3510/8270	12/03/04	<5.1	ug/l	0.50	Guidance
39032	Pentachlorophenol	Pump	N	3510/8270	12/03/04	<8.5	ug/l	1.0	Primary
70003	Phenacetin	Pump	N	3510/8270	12/03/04	<10	ug/l		
34694	Phenol	Pump	N	3510/8270	12/03/04	<1.0	ug/l	10	Guidance
73628	p-Phenylenediamine	Pump	N	3510/8270	12/03/04	<1100	ug/l	1300	Guidance
39080	Pronamide	Pump	N	3510/8270	12/03/04	<10	ug/l	53	Guidance
77545	Safrole	Pump	N	3510/8270	12/03/04	<10	ug/l		
77734	1,2,4,5-Tetrachlorobenzene	Pump	N	3510/8270	12/03/04	<2.8	ug/l	2.1	Guidance
77770	2,3,4,6-Tetrachlorophenol	Pump	N	3510/8270	12/03/04	<50	ug/l	210	Guidance
77142	O-Toluidine	Pump	N	3510/8270	12/03/04	<10	ug/l	150	Guidance
34551	1,2,4-Trichlorobenzene	Pump	N	3510/8270	12/03/04	<10	ug/l	70	Primary
77687	2,4,5-Trichlorophenol	Pump	N	3510/8270	12/03/04	<5.2	ug/l	4.0	Guidance
34621	2,4,6-Trichlorophenol	Pump	N	3510/8270	12/03/04	<4.8	ug/l	3.2	Guidance
NA082	o,o,o-Triethylphosphorothioat	Pump	N	3510/8270	12/03/04	<10	ug/l		
73653	sym-Trinitrobenzene	Pump	N	3510/8270	12/03/04	<170	ug/l	210	Guidance
	Dilution Factor	Pump	N	3510/8270	12/03/04	1.0			
	Surrogate Recoveries:								
	2-Fluorophenol	Pump	N	3510/8270	12/03/04	30.0	%		
	Phenol-d5	Pump	N	3510/8270	12/03/04	19.0	%		
	Nitrobenzene-d5	Pump	N	3510/8270	12/03/04	75.0	%		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-2
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 11:20
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
	2-Fluorobiphenyl	Pump	N	3510/8270	12/03/04	72.0	%		
	2,4,6-Tribromophenol	Pump	N	3510/8270	12/03/04	69.0	%		
	Terphenyl-d14	Pump	N	3510/8270	12/03/04	89.0	%		
Metals									
01105	Aluminum	Pump	N	200.8	12/03/04	220 C8	ug/l	200	Secondary
01045	Iron	Pump	N	3010/6010	12/05/04	0.13	ug/l	300	Secondary
00929	Sodium	Pump	N	3010/6010	12/05/04	2.1	mg/l	160	Primary
General Chemistry									
00940	Chloride	Pump	N	300.0	12/01/04	0.99	mg/l	250	Secondary
00620	NO3 as N	Pump	N	300.0	12/01/04	0.83	mg/l	10	Primary
70300	Total Dissolved Solids	Pump	N	160.1	12/02/04	90	mg/l	500	Secondary

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Client: The Colinas Group

Report of Analysis for DEP

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-2A
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 12:37
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
General Chemistry (continued)									
APP II Pesticides									
39516	PCB 1016	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1221	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1232	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1242	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1248	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1254	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1260	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
	Dilution Factor	Pump	N	3510/8082	12/03/04	1.0			
	Surrogate Recoveries:								
	TCMX	Pump	N	3510/8082	12/03/04	88.0	%		
	DCB	Pump	N	3510/8082	12/03/04	86.0	%		
Appendix II Herbicides									
39730	2,4-D	Pump	N	8151	12/05/04	<2.0	ug/l	70	Primary
39760	2,4,5-TP	Pump	N	8151	12/05/04	<2.0	ug/l	50	Primary
39740	2,4,5-T	Pump	N	8151	12/05/04	<2.0	ug/l	70	Guidance
	Dilution Factor	Pump	N	8151	12/05/04	1.0			
	Surrogate Recoveries:								
	DCAA	Pump	N	8151	12/05/04	50.0	%		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-2A
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 12:37
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Metals									
01097	Antimony	Pump	N	200.8	12/03/04	<2.0	ug/l	6.0	Primary
01002	Arsenic	Pump	N	200.8	12/03/04	<2.0	ug/l	50	Primary
01007	Barium	Pump	N	200.8	12/03/04	11	ug/l	2000	Primary
01012	Beryllium	Pump	N	200.8	12/03/04	<2.0	ug/l	4.0	Primary
01027	Cadmium	Pump	N	200.8	12/03/04	<2.0	ug/l	5.0	Primary
01034	Chromium	Pump	N	200.8	12/03/04	3.8	ug/l	100	Primary
01037	Cobalt	Pump	N	200.8	12/03/04	9.9	ug/l	420	Guidance
01042	Copper	Pump	N	200.8	12/03/04	<2.0	ug/l	1000	Secondary
01051	Lead	Pump	N	200.8	12/03/04	<2.0	ug/l	15	Primary
01067	Nickel	Pump	N	200.8	12/03/04	4.7	ug/l	100	Primary
01147	Selenium	Pump	N	200.8	12/03/04	<2.0	ug/l	50	Primary
01077	Silver	Pump	N	200.8	12/03/04	<2.0	ug/l	100	Secondary
01059	Thallium	Pump	N	200.8	12/03/04	<2.0	ug/l	2.0	Primary
NA204	Tin	Pump	N	3010/6010	12/05/04	<50	ug/l	4200	Guidance
01087	Vanadium	Pump	N	200.8	12/03/04	5.2	ug/l	49	Guidance
01092	Zinc	Pump	N	200.8	12/03/04	7.6	ug/l	5000	Secondary
71900	Mercury	Pump	N	245.1	12/03/04	<0.20	ug/l	2.0	Primary
Polynuclear Aromatic Hydrocarbons									
34696	Naphthalene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	20	Guidance
77416	2-Methylnaphthalene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	20	Guidance
77418	1-Methylnaphthalene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	20	Guidance
34200	Acenaphthylene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	210	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-2A
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 12:37
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Polynuclear Aromatic Hydrocarbons	**(continued)**								
34205	Acenaphthene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	20	Guidance
34381	Fluorene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	280	Guidance
34461	Phenanthrene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	210	Guidance
34220	Anthracene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	2100	Guidance
34376	Fluoranthene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	280	Guidance
34469	Pyrene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	210	Guidance
34526	Benzo(a)anthracene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Primary
34320	Chrysene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	4.8	Guidance
34230	Benzo(b)fluoranthene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Guidance
34242	Benzo(k)fluoranthene	Pump	N	3510/8270	12/02/04	<0.50	ug/l	0.50	Guidance
34247	Benzo(a)pyrene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Primary
34556	Dibenzo(a,h)Anthracene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Guidance
34403	Indeno(1,2,3-c,d)pyrene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Guidance
34521	Benzo(g,h,i)perylene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	210	Guidance
	Dilution Factor	Pump	N	3510/8270	12/02/04	1.0			
	Surrogate Recoveries:								
	Nitrobenzene-d5	Pump	N	3510/8270	12/02/04	43.0	%		
	2-Fluorobiphenyl	Pump	N	3510/8270	12/02/04	46.0	%		
	Terphenyl-d14	Pump	N	3510/8270	12/02/04	60.0	%		
Appendix II Pesticide Compounds									
39330	Aldrin	Pump	N	3510/8081	12/13/04	<0.0086	ug/l	0.0050	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-2A
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 12:37
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Pesticide Compounds	**(continued)**								
39337	alpha-BHC	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.0060	Guidance
39338	beta-BHC	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.020	Guidance
34259	delta-BHC	Pump	N	3510/8081	12/13/04	<0.050	ug/l	2.1	Guidance
39340	gamma-BHC	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.20	Primary
NA118	Technical Chlordane	Pump	N	3510/8081	12/13/04	<0.50	ug/l	2.0	Primary
39460	Chlorobenzilate	Pump	N	3510/8081	12/13/04	<0.20	ug/l	0.10	Guidance
NA119	4,4'-DDD	Pump	N	3510/8081	12/13/04	<0.080	ug/l	0.10	Guidance
NA120	4,4'-DDE	Pump	N	3510/8081	12/13/04	<0.080	ug/l	0.10	Guidance
NA121	4,4'-DDT	Pump	N	3510/8081	12/13/04	<0.080	ug/l	0.10	Guidance
39380	Dieldrin	Pump	N	3510/8081	12/13/04	<0.011	ug/l	0.0050	Guidance
34361	Endosulfan I	Pump	N	3510/8081	12/13/04	<0.050	ug/l	42	Guidance
34356	Endosulfan II	Pump	N	3510/8081	12/13/04	<0.10	ug/l	42	Guidance
34351	Endosulfan Sulfate	Pump	N	3510/8081	12/13/04	<0.10	ug/l		
39390	Endrin	Pump	N	3510/8081	12/13/04	<0.10	ug/l	2.0	Primary
34366	Endrin Aldehyde	Pump	N	3510/8081	12/13/04	<0.10	ug/l		
39410	Heptachlor	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.40	Primary
39420	Heptachlor Epoxide	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.20	Primary
39430	Isodrin	Pump	N	3510/8081	12/13/04	<0.050	ug/l		
39480	Methoxychlor	Pump	N	3510/8081	12/13/04	<0.50	ug/l	40	Primary
39400	Toxaphene	Pump	N	3510/8081	12/13/04	<2.4	ug/l	3.0	Primary
39018	Kepone	Pump	N	3510/8081	12/13/04	<10	ug/l	3.0	Primary
	Dilution Factor	Pump	N	3510/8081	12/13/04	1.0			

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications		Sample Appearance	
Diameter (in):	NA	Tint:	NA
Water Level (ft):	NA	Color:	NA
Total Depth (ft):	NA	Turbidity:	NA
Column Height (ft):	NA	Odor:	NA
Column Volume (gal):	NA	Environmental Conditions	
Evacuation (gal):	NA	Wind:	NA
Actual (gal):	NA	Rain:	NA
		Air (^C):	NA
		Atmosphere:	NA

Evacuation Method: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-2A
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 12:37
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Pesticide Compounds (continued)									
	Surrogate Recoveries:								
	TCMX	Pump	N	3510/8081	12/13/04	82.0	%		
	DCB	Pump	N	3510/8081	12/13/04	70.0	%		
Appendix II Phosphoralated Pesticides									
46314	Dimethoate	Pump	N	3510/8141	12/03/04	<0.26	ug/l	0.10	Guidance
81888	Disulfoton	Pump	N	3510/8141	12/03/04	<0.27	ug/l	0.30	Guidance
38462	Famphur	Pump	N	3510/8141	12/03/04	<0.50	ug/l	3.5	Guidance
39540	Parathion, Ethyl	Pump	N	3510/8141	12/03/04	<0.50	ug/l	42	Guidance
39600	Parathion, Methyl	Pump	N	3510/8141	12/03/04	<0.50	ug/l	42	Guidance
46313	Phorate	Pump	N	3510/8141	12/03/04	<0.50	ug/l	1.4	Guidance
73553	Thionazin	Pump	N	3510/8141	12/03/04	<0.50	ug/l		Guidance
	Dilution Factor	Pump	N	3510/8141	12/03/04	1.0			
	Surrogate Recoveries:								
	Tributylphosphate	Pump	N	3510/8141	12/03/04	81.0	%		
	Triphenylphosphate	Pump	N	3510/8141	12/03/04	93.0	%		
Appendix II Semi-Volatiles									
81553	Acetophenone	Pump	N	3510/8270	12/03/04	<10	ug/l	700	Guidance
82204	2-Acetylaminofluorene	Pump	N	3510/8270	12/03/04	<10	ug/l		
77581	4-Aminobiphenyl	Pump	N	3510/8270	12/03/04	<10	ug/l		
77147	Benzyl alcohol	Pump	N	3510/8270	12/03/04	<10	ug/l	2100	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications		Sample Appearance	
Diameter (in):	NA	Tint:	NA
Water Level (ft):	NA	Color:	NA
Total Depth (ft):	NA	Turbidity:	NA
Column Height (ft):	NA	Odor:	NA
Column Volume (gal):	NA	Environmental Conditions	
Evacuation (gal):	NA	Wind:	NA
Actual (gal):	NA	Rain:	NA
		Air (^C):	NA
		Atmosphere:	NA
Evacuation Method:	NA	Other:	NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-2A
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 12:37
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
34278	Bis(2-Chloroethoxy)methane	Pump	N	3510/8270	12/03/04	<10	ug/l		
34273	Bis(2-Chloroethyl) Ether	Pump	N	3510/8270	12/03/04	<3.2	ug/l	4.0	Guidance
73522	Bis(2-Chloro-1-Methylethyl)Et	Pump	N	3510/8270	12/03/04	<10	ug/l		
39100	Bis(2-Ethylhexyl)Phthalate	Pump	N	3510/8270	12/03/04	<4.0	ug/l	6.0	Primary
34636	4-Bromophenylphenylether	Pump	N	3510/8270	12/03/04	<10	ug/l	410	Guidance
34292	Butylbenzylphthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	140	Guidance
77954	p-Chloroaniline	Pump	N	3510/8270	12/03/04	<10	ug/l	28	Guidance
34452	p-Chloro-m-Cresol	Pump	N	3510/8270	12/03/04	<10	ug/l	63	Guidance
34581	2-Chloronaphthalene	Pump	N	3510/8270	12/03/04	<10	ug/l	560	Guidance
34586	2-Chlorophenol	Pump	N	3510/8270	12/03/04	<10	ug/l	35	Guidance
34641	4-Chlorophenyl-phenylether	Pump	N	3510/8270	12/03/04	<10	ug/l		
77151	m-Cresol	Pump	N	3510/8270	12/03/04	<10	ug/l	35	Guidance
77152	o-Cresol	Pump	N	3510/8270	12/03/04	<10	ug/l	35	Guidance
77146	p-Cresol	Pump	N	3510/8270	12/03/04	<3.2	ug/l	4.0	Guidance
73540	Diallate	Pump	N	3510/8270	12/03/04	<4.3	ug/l	0.60	Guidance
81302	Dibenzofuran	Pump	N	3510/8270	12/03/04	<10	ug/l	28	Guidance
39110	Di-N-Butyl Phthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	700	Guidance
34536	o-Dichlorobenzene	Pump	N	3510/8270	12/03/04	<10	ug/l	600	Primary
34566	m-Dichlorobenzene	Pump	N	3510/8270	12/03/04	<8.0	ug/l	10	Guidance
34571	p-Dichlorobenzene	Pump	N	3510/8270	12/03/04	<10	ug/l	75	Primary
34631	3,3'-Dichlorobenzidine	Pump	N	3510/8270	12/03/04	<9.6	ug/l	12	Guidance
34601	2,4-Dichlorophenol	Pump	N	3510/8270	12/03/04	<6.7	ug/l	0.50	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-2A
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 12:37
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
77541	2,6-Dichlorophenol	Pump	N	3510/8270	12/03/04	<4.0	ug/l	4.0	Guidance
34336	Diethyl Phthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	5600	Guidance
73558	p-Dimethylaminoazobenzene	Pump	N	3510/8270	12/03/04	<10	ug/l		
73559	7,12-Dimethylbenzo(a)anthrace	Pump	N	3510/8270	12/03/04	<10	ug/l		
NA030	3,3'-Dimethylbenzidine	Pump	N	3510/8270	12/03/04	<200	ug/l	250	Guidance
34606	2,4-Dimethyl Phenol	Pump	N	3510/8270	12/03/04	<10	ug/l	140	Guidance
34341	Dimethyl Phthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	70000	Guidance
45622	m-Dinitrobenzene	Pump	N	3510/8270	12/03/04	<6.4	ug/l	8.0	Guidance
34657	4,6-Dinitro-o-Cresol	Pump	N	3510/8270	12/03/04	<50	ug/l		
34616	2,4-Dinitrophenol	Pump	N	3510/8270	12/03/04	<10	ug/l	14	Guidance
34611	2,4-Dinitrotoluene	Pump	N	3510/8270	12/03/04	<1.3	ug/l	0.10	Guidance
34626	2,6-Dinitrotoluene	Pump	N	3510/8270	12/03/04	<1.3	ug/l	0.10	Guidance
30191	Dinoseb	Pump	N	3510/8270	12/03/04	<6.7	ug/l	7.0	Guidance
34596	Di-N-Octyl Phthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	140	Guidance
77579	Diphenylamine	Pump	N	3510/8270	12/03/04	<10	ug/l	180	Guidance
73571	Ethyl Methanesulfonate	Pump	N	3510/8270	12/03/04	<10	ug/l		
39700	Hexachlorobenzene	Pump	N	3510/8270	12/03/04	<1.4	ug/l	1.0	Primary
34391	Hexachlorobutadiene	Pump	N	3510/8270	12/03/04	<10	ug/l		
34386	Hexachlorocyclopentadiene	Pump	N	3510/8270	12/03/04	<10	ug/l	50	Primary
34396	Hexachloroethane	Pump	N	3510/8270	12/03/04	<2.0	ug/l	2.5	Guidance
73576	Hexachloropropene	Pump	N	3510/8270	12/03/04	<10	ug/l		
34408	Isophorone	Pump	N	3510/8270	12/03/04	<10	ug/l	37	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-2A
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 12:37
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
78727	Isosafrole	Pump	N	3510/8270	12/03/04	<10	ug/l		
73589	Methapyrilene	Pump	N	3510/8270	12/03/04	<2000	ug/l		
73591	3-Methylcholanthrene	Pump	N	3510/8270	12/03/04	<10	ug/l		
73595	Methyl Methanesulfonate	Pump	N	3510/8270	12/03/04	<10	ug/l		
77416	2-Methylnaphthalene	Pump	N	3510/8270	12/03/04	<10	ug/l	20	Guidance
73599	1,4-Naphthoquinone	Pump	N	3510/8270	12/03/04	<10	ug/l		
73600	1-Naphthylamine	Pump	N	3510/8270	12/03/04	<10	ug/l		
82191	2-Naphthylamine	Pump	N	3510/8270	12/03/04	<8.0	ug/l	10	Guidance
78142	o-Nitroaniline	Pump	N	3510/8270	12/03/04	<40	ug/l	50	Guidance
78300	m-Nitroaniline	Pump	N	3510/8270	12/03/04	<40	ug/l	50	Guidance
30342	p-Nitroaniline	Pump	N	3510/8270	12/03/04	<17	ug/l	21	Guidance
34447	Nitrobenzene	Pump	N	3510/8270	12/03/04	<3.2	ug/l	4.0	Guidance
34591	o-Nitrophenol	Pump	N	3510/8270	12/03/04	<10	ug/l		
34646	p-Nitrophenol	Pump	N	3510/8270	12/03/04	<45	ug/l	56	Guidance
78200	N-Nitrosodi-n-butylamine	Pump	N	3510/8270	12/03/04	<4.2	ug/l	4.0	Guidance
78200	N-Nitrosodiethylamine	Pump	N	3510/8270	12/03/04	<3.7	ug/l	4.0	Guidance
34438	N-Nitrosodimethylamine	Pump	N	3510/8270	12/03/04	<1.2	ug/l	2.0	Guidance
34433	N-Nitrosodiphenylamine	Pump	N	3510/8270	12/03/04	<4.0	ug/l	7.1	Guidance
34428	N-Nitrosodipropylamine	Pump	N	3510/8270	12/03/04	<3.2	ug/l	4.0	Guidance
73613	N-Nitrosomethylethylamine	Pump	N	3510/8270	12/03/04	<6.4	ug/l	8.0	Guidance
73619	N-Nitrosopiperidine	Pump	N	3510/8270	12/03/04	<10	ug/l		
78206	N-Nitrosopyrolidine	Pump	N	3510/8270	12/03/04	<6.4	ug/l	8.0	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-2A
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 12:37
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
73622	5-Nitro-o-Toluidine	Pump	N	3510/8270	12/03/04	<10	ug/l		
77793	Pentachlorobenzene	Pump	N	3510/8270	12/03/04	<4.5	ug/l	5.6	Guidance
81316	Pentachloronitrobenzene	Pump	N	3510/8270	12/03/04	<5.1	ug/l	0.50	Guidance
39032	Pentachlorophenol	Pump	N	3510/8270	12/03/04	<8.5	ug/l	1.0	Primary
70003	Phenacetin	Pump	N	3510/8270	12/03/04	<10	ug/l		
34694	Phenol	Pump	N	3510/8270	12/03/04	<1.0	ug/l	10	Guidance
73628	p-Phenylenediamine	Pump	N	3510/8270	12/03/04	<1100	ug/l	1300	Guidance
39080	Pronamide	Pump	N	3510/8270	12/03/04	<10	ug/l	53	Guidance
77545	Safrole	Pump	N	3510/8270	12/03/04	<10	ug/l		
77734	1,2,4,5-Tetrachlorobenzene	Pump	N	3510/8270	12/03/04	<2.8	ug/l	2.1	Guidance
77770	2,3,4,6-Tetrachlorophenol	Pump	N	3510/8270	12/03/04	<50	ug/l	210	Guidance
77142	O-Toluidine	Pump	N	3510/8270	12/03/04	<10	ug/l	150	Guidance
34551	1,2,4-Trichlorobenzene	Pump	N	3510/8270	12/03/04	<10	ug/l	70	Primary
77687	2,4,5-Trichlorophenol	Pump	N	3510/8270	12/03/04	<5.2	ug/l	4.0	Guidance
34621	2,4,6-Trichlorophenol	Pump	N	3510/8270	12/03/04	<4.8	ug/l	3.2	Guidance
NA082	o,o,o-Triethylphosphorothioat	Pump	N	3510/8270	12/03/04	<10	ug/l		
73653	sym-Trinitrobenzene	Pump	N	3510/8270	12/03/04	<170	ug/l	210	Guidance
	Dilution Factor	Pump	N	3510/8270	12/03/04	1.0			
	Surrogate Recoveries:								
	2-Fluorophenol	Pump	N	3510/8270	12/03/04	36.0	%		
	Phenol-d5	Pump	N	3510/8270	12/03/04	28.0	%		
	Nitrobenzene-d5	Pump	N	3510/8270	12/03/04	73.0	%		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-2A
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 12:37
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
	2-Fluorobiphenyl	Pump	N	3510/8270	12/03/04	72.0	%		
	2,4,6-Tribromophenol	Pump	N	3510/8270	12/03/04	82.0	%		
	Terphenyl-d14	Pump	N	3510/8270	12/03/04	79.0	%		
Metals									
01105	Aluminum	Pump	N	200.8	12/03/04	200	ug/l	200	Secondary
01045	Iron	Pump	N	3010/6010	12/05/04	2.2	ug/l	300	Secondary
00929	Sodium	Pump	N	3010/6010	12/05/04	10	mg/l	160	Primary
General Chemistry									
00940	Chloride	Pump	N	300.0	12/01/04	5.3	mg/l	250	Secondary
00620	NO3 as N	Pump	N	300.0	12/01/04	<0.050	mg/l	10	Primary
70300	Total Dissolved Solids	Pump	N	160.1	12/02/04	360	mg/l	500	Secondary

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Client: The Colinas Group

Report of Analysis for DEP

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-4
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 12:35
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
APP II Pesticides									
39516	PCB 1016	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1221	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1232	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1242	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1248	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1254	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1260	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
	Dilution Factor	Pump	N	3510/8082	12/03/04	1.0			
	Surrogate Recoveries:								
	TCMX	Pump	N	3510/8082	12/03/04	82.0	%		
	DCB	Pump	N	3510/8082	12/03/04	62.0	%		
Appendix II Herbicides									
39730	2,4-D	Pump	N	8151	12/05/04	<2.0	ug/l	70	Primary
39760	2,4,5-TP	Pump	N	8151	12/05/04	<2.0	ug/l	50	Primary
39740	2,4,5-T	Pump	N	8151	12/05/04	<2.0	ug/l	70	Guidance
	Dilution Factor	Pump	N	8151	12/05/04	1.0			
	Surrogate Recoveries:								
	DCAA	Pump	N	8151	12/05/04	51.0	%		
Appendix II Metals									
01097	Antimony	Pump	N	3010/6010	12/02/04	<6.0	ug/l	6.0	Primary

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-4
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 12:35
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Metals (continued)									
01002	Arsenic	Pump	N	3010/6010	12/02/04	<10	ug/l	50	Primary
01007	Barium	Pump	N	3010/6010	12/02/04	11	ug/l	2000	Primary
01012	Beryllium	Pump	N	3010/6010	12/02/04	<4.0	ug/l	4.0	Primary
01027	Cadmium	Pump	N	3010/6010	12/02/04	<5.0	ug/l	5.0	Primary
01034	Chromium	Pump	N	3010/6010	12/02/04	<5.0	ug/l	100	Primary
01037	Cobalt	Pump	N	3010/6010	12/02/04	<10	ug/l	420	Guidance
01042	Copper	Pump	N	3010/6010	12/02/04	<10	ug/l	1000	Secondary
01051	Lead	Pump	N	3010/6010	12/02/04	<5.0	ug/l	15	Primary
01067	Nickel	Pump	N	3010/6010	12/02/04	<5.0	ug/l	100	Primary
01147	Selenium	Pump	N	3010/6010	12/02/04	<10	ug/l	50	Primary
01077	Silver	Pump	N	3010/6010	12/02/04	<10	ug/l	100	Secondary
01059	Thallium	Pump	N	200.8	12/03/04	<2.0	ug/l	2.0	Primary
NA204	Tin	Pump	N	3010/6010	12/02/04	<50	ug/l	4200	Guidance
01087	Vanadium	Pump	N	3010/6010	12/02/04	11	ug/l	49	Guidance
01092	Zinc	Pump	N	3010/6010	12/02/04	<20	ug/l	5000	Secondary
71900	Mercury	Pump	N	245.1	12/02/04	<0.20	ug/l	2.0	Primary
Polynuclear Aromatic Hydrocarbons									
34696	Naphthalene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	20	Guidance
77416	2-Methylnaphthalene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	20	Guidance
77418	1-Methylnaphthalene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	20	Guidance
34200	Acenaphthylene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	210	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-4
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 12:35
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Polynuclear Aromatic Hydrocarbons	**(continued)**								
34205	Acenaphthene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	20	Guidance
34381	Fluorene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	280	Guidance
34461	Phenanthrene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	210	Guidance
34220	Anthracene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	2100	Guidance
34376	Fluoranthene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	280	Guidance
34469	Pyrene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	210	Guidance
34526	Benzo(a)anthracene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Primary
34320	Chrysene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	4.8	Guidance
34230	Benzo(b)fluoranthene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Guidance
34242	Benzo(k)fluoranthene	Pump	N	3510/8270	12/02/04	<0.50	ug/l	0.50	Guidance
34247	Benzo(a)pyrene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Primary
34556	Dibenzo(a,h)Anthracene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Guidance
34403	Indeno(1,2,3-c,d)pyrene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Guidance
34521	Benzo(g,h,i)perylene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	210	Guidance
	Dilution Factor	Pump	N	3510/8270	12/02/04	1.0			
	Surrogate Recoveries:								
	Nitrobenzene-d5	Pump	N	3510/8270	12/02/04	45.0	%		
	2-Fluorobiphenyl	Pump	N	3510/8270	12/02/04	62.0	%		
	Terphenyl-d14	Pump	N	3510/8270	12/02/04	93.0	%		
Appendix II Pesticide Compounds									
39330	Aldrin	Pump	N	3510/8081	12/13/04	<0.0086	ug/l	0.0050	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-4
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 12:35
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Pesticide Compounds	**(continued)**								
39337	alpha-BHC	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.0060	Guidance
39338	beta-BHC	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.020	Guidance
34259	delta-BHC	Pump	N	3510/8081	12/13/04	<0.050	ug/l	2.1	Guidance
39340	gamma-BHC	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.20	Primary
NA118	Technical Chlordane	Pump	N	3510/8081	12/13/04	<0.50	ug/l	2.0	Primary
39460	Chlorobenzilate	Pump	N	3510/8081	12/13/04	<0.20	ug/l	0.10	Guidance
NA119	4,4'-DDD	Pump	N	3510/8081	12/13/04	<0.080	ug/l	0.10	Guidance
NA120	4,4'-DDE	Pump	N	3510/8081	12/13/04	<0.080	ug/l	0.10	Guidance
NA121	4,4'-DDT	Pump	N	3510/8081	12/13/04	<0.25	ug/l	0.10	Guidance
39380	Dieldrin	Pump	N	3510/8081	12/13/04	<0.011	ug/l	0.0050	Guidance
34361	Endosulfan I	Pump	N	3510/8081	12/13/04	<0.050	ug/l	42	Guidance
34356	Endosulfan II	Pump	N	3510/8081	12/13/04	<0.10	ug/l	42	Guidance
34351	Endosulfan Sulfate	Pump	N	3510/8081	12/13/04	<0.10	ug/l		
39390	Endrin	Pump	N	3510/8081	12/13/04	<0.10	ug/l	2.0	Primary
34366	Endrin Aldehyde	Pump	N	3510/8081	12/13/04	<0.10	ug/l		
39410	Heptachlor	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.40	Primary
39420	Heptachlor Epoxide	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.20	Primary
39430	Isodrin	Pump	N	3510/8081	12/13/04	<0.050	ug/l		
39480	Methoxychlor	Pump	N	3510/8081	12/13/04	<0.50	ug/l	40	Primary
39400	Toxaphene	Pump	N	3510/8081	12/13/04	<2.4	ug/l	3.0	Primary
	Dilution Factor	Pump	N	3510/8081	12/13/04	1.0			
	Surrogate Recoveries:								

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-4
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 12:35
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Pesticide Compounds (continued)									
	TCMX	Pump	N	3510/8081	12/13/04	73.0	%		
	DCB	Pump	N	3510/8081	12/13/04	56.0	%		
Appendix II Phosphoralated Pesticides									
46314	Dimethoate	Pump	N	3510/8141	12/02/04	<0.26	ug/l	0.10	Guidance
81888	Disulfoton	Pump	N	3510/8141	12/02/04	<0.27	ug/l	0.30	Guidance
38462	Famphur	Pump	N	3510/8141	12/02/04	<0.50	ug/l	3.5	Guidance
39540	Parathion, Ethyl	Pump	N	3510/8141	12/02/04	<0.50	ug/l	42	Guidance
39600	Parathion, Methyl	Pump	N	3510/8141	12/02/04	<0.50	ug/l	42	Guidance
46313	Phorate	Pump	N	3510/8141	12/02/04	<0.50	ug/l	1.4	Guidance
73553	Thionazin	Pump	N	3510/8141	12/02/04	<0.50	ug/l		Guidance
	Dilution Factor	Pump	N	3510/8141	12/02/04	1.0			
	Surrogate Recoveries:								
	Tributylphosphate	Pump	N	3510/8141	12/02/04	78.0	%		
	Triphenylphosphate	Pump	N	3510/8141	12/02/04	94.0	%		
Appendix II Semi-Volatiles									
81553	Acetophenone	Pump	N	3510/8270	12/03/04	<10	ug/l	700	Guidance
82204	2-Acetylaminofluorene	Pump	N	3510/8270	12/03/04	<10	ug/l		
77581	4-Aminobiphenyl	Pump	N	3510/8270	12/03/04	<10	ug/l		
77147	Benzyl alcohol	Pump	N	3510/8270	12/03/04	<10	ug/l	2100	Guidance
34278	Bis(2-Chloroethoxy)methane	Pump	N	3510/8270	12/03/04	<10	ug/l		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-4
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 12:35
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
34273	Bis(2-Chloroethyl) Ether	Pump	N	3510/8270	12/03/04	<3.2	ug/l	4.0	Guidance
73522	Bis(2-Chloro-1-Methylethyl)Et	Pump	N	3510/8270	12/03/04	<10	ug/l		
39100	Bis(2-Ethylhexyl)Phthalate	Pump	N	3510/8270	12/03/04	<4.0	ug/l	6.0	Primary
34636	4-Bromophenylphenylether	Pump	N	3510/8270	12/03/04	<10	ug/l	410	Guidance
34292	Butylbenzylphthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	140	Guidance
77954	p-Chloroaniline	Pump	N	3510/8270	12/03/04	<10	ug/l	28	Guidance
34452	p-Chloro-m-Cresol	Pump	N	3510/8270	12/03/04	<10	ug/l	63	Guidance
34581	2-Chloronaphthalene	Pump	N	3510/8270	12/03/04	<10	ug/l	560	Guidance
34586	2-Chlorophenol	Pump	N	3510/8270	12/03/04	<10	ug/l	35	Guidance
34641	4-Chlorophenyl-phenylether	Pump	N	3510/8270	12/03/04	<10	ug/l		
77151	m-Cresol	Pump	N	3510/8270	12/03/04	<10	ug/l	35	Guidance
77152	o-Cresol	Pump	N	3510/8270	12/03/04	<10	ug/l	35	Guidance
77146	p-Cresol	Pump	N	3510/8270	12/03/04	<3.2	ug/l	4.0	Guidance
73540	Diallate	Pump	N	3510/8270	12/03/04	<4.3	ug/l	0.60	Guidance
81302	Dibenzofuran	Pump	N	3510/8270	12/03/04	<10	ug/l	28	Guidance
39110	Di-N-Butyl Phthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	700	Guidance
34536	o-Dichlorobenzene	Pump	N	3510/8270	12/03/04	<10	ug/l	600	Primary
34566	m-Dichlorobenzene	Pump	N	3510/8270	12/03/04	<8.0	ug/l	10	Guidance
34571	p-Dichlorobenzene	Pump	N	3510/8270	12/03/04	<10	ug/l	75	Primary
34631	3,3'-Dichlorobenzidine	Pump	N	3510/8270	12/03/04	<9.6	ug/l	12	Guidance
34601	2,4-Dichlorophenol	Pump	N	3510/8270	12/03/04	<6.7	ug/l	0.50	Guidance
77541	2,6-Dichlorophenol	Pump	N	3510/8270	12/03/04	<4.0	ug/l	4.0	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-4
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 12:35
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
34336	Diethyl Phthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	5600	Guidance
73558	p-Dimethylaminoazobenzene	Pump	N	3510/8270	12/03/04	<10	ug/l		
73559	7,12-Dimethylbenzo(a)anthrace	Pump	N	3510/8270	12/03/04	<10	ug/l		
NA030	3,3'-Dimethylbenzidine	Pump	N	3510/8270	12/03/04	<200	ug/l	250	Guidance
34606	2,4-Dimethyl Phenol	Pump	N	3510/8270	12/03/04	<10	ug/l	140	Guidance
34341	Dimethyl Phthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	70000	Guidance
45622	m-Dinitrobenzene	Pump	N	3510/8270	12/03/04	<6.4	ug/l	8.0	Guidance
34657	4,6-Dinitro-o-Cresol	Pump	N	3510/8270	12/03/04	<50	ug/l		
34616	2,4-Dinitrophenol	Pump	N	3510/8270	12/03/04	<10	ug/l	14	Guidance
34611	2,4-Dinitrotoluene	Pump	N	3510/8270	12/03/04	<1.3	ug/l	0.10	Guidance
34626	2,6-Dinitrotoluene	Pump	N	3510/8270	12/03/04	<1.3	ug/l	0.10	Guidance
30191	Dinoseb	Pump	N	3510/8270	12/03/04	<6.7	ug/l	7.0	Guidance
34596	Di-N-Octyl Phthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	140	Guidance
77579	Diphenylamine	Pump	N	3510/8270	12/03/04	<10	ug/l	180	Guidance
73571	Ethyl Methanesulfonate	Pump	N	3510/8270	12/03/04	<10	ug/l		
39700	Hexachlorobenzene	Pump	N	3510/8270	12/03/04	<1.4	ug/l	1.0	Primary
34391	Hexachlorobutadiene	Pump	N	3510/8270	12/03/04	<10	ug/l		
34386	Hexachlorocyclopentadiene	Pump	N	3510/8270	12/03/04	<10	ug/l	50	Primary
34396	Hexachloroethane	Pump	N	3510/8270	12/03/04	<2.0	ug/l	2.5	Guidance
73576	Hexachloropropene	Pump	N	3510/8270	12/03/04	<10	ug/l		
34408	Isophorone	Pump	N	3510/8270	12/03/04	<10	ug/l	37	Guidance
78727	Isosafrole	Pump	N	3510/8270	12/03/04	<10	ug/l		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-4
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 12:35
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
73589	Methapyrilene	Pump	N	3510/8270	12/03/04	<2000	ug/l		
73591	3-Methylcholanthrene	Pump	N	3510/8270	12/03/04	<10	ug/l		
73595	Methyl Methanesulfonate	Pump	N	3510/8270	12/03/04	<10	ug/l		
77416	2-Methylnaphthalene	Pump	N	3510/8270	12/03/04	<10	ug/l	20	Guidance
73599	1,4-Naphthoquinone	Pump	N	3510/8270	12/03/04	<10	ug/l		
73600	1-Naphthylamine	Pump	N	3510/8270	12/03/04	<10	ug/l		
82191	2-Naphthylamine	Pump	N	3510/8270	12/03/04	<8.0	ug/l	10	Guidance
78142	o-Nitroaniline	Pump	N	3510/8270	12/03/04	<40	ug/l	50	Guidance
78300	m-Nitroaniline	Pump	N	3510/8270	12/03/04	<40	ug/l	50	Guidance
30342	p-Nitroaniline	Pump	N	3510/8270	12/03/04	<17	ug/l	21	Guidance
34447	Nitrobenzene	Pump	N	3510/8270	12/03/04	<3.2	ug/l	4.0	Guidance
34591	o-Nitrophenol	Pump	N	3510/8270	12/03/04	<10	ug/l		
34646	p-Nitrophenol	Pump	N	3510/8270	12/03/04	<45	ug/l	56	Guidance
78200	N-Nitrosodi-n-butylamine	Pump	N	3510/8270	12/03/04	<4.2	ug/l	4.0	Guidance
78200	N-Nitrosodiethylamine	Pump	N	3510/8270	12/03/04	<3.7	ug/l	4.0	Guidance
34438	N-Nitrosodimethylamine	Pump	N	3510/8270	12/03/04	<1.2	ug/l	2.0	Guidance
34433	N-Nitrosodiphenylamine	Pump	N	3510/8270	12/03/04	<4.0	ug/l	7.1	Guidance
34428	N-Nitrosodipropylamine	Pump	N	3510/8270	12/03/04	<3.2	ug/l	4.0	Guidance
73613	N-Nitrosomethylethylamine	Pump	N	3510/8270	12/03/04	<6.4	ug/l	8.0	Guidance
73619	N-Nitrosopiperidine	Pump	N	3510/8270	12/03/04	<10	ug/l		
78206	N-Nitrosopyrolidine	Pump	N	3510/8270	12/03/04	<6.4	ug/l	8.0	Guidance
73622	5-Nitro-o-Toluidine	Pump	N	3510/8270	12/03/04	<10	ug/l		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-4
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 12:35
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
77793	Pentachlorobenzene	Pump	N	3510/8270	12/03/04	<4.5	ug/l	5.6	Guidance
81316	Pentachloronitrobenzene	Pump	N	3510/8270	12/03/04	<5.1	ug/l	0.50	Guidance
39032	Pentachlorophenol	Pump	N	3510/8270	12/03/04	<8.5	ug/l	1.0	Primary
70003	Phenacetin	Pump	N	3510/8270	12/03/04	<10	ug/l		
34694	Phenol	Pump	N	3510/8270	12/03/04	<1.0	ug/l	10	Guidance
73628	p-Phenylenediamine	Pump	N	3510/8270	12/03/04	<1100	ug/l	1300	Guidance
39080	Pronamide	Pump	N	3510/8270	12/03/04	<10	ug/l	53	Guidance
77545	Safrole	Pump	N	3510/8270	12/03/04	<10	ug/l		
77734	1,2,4,5-Tetrachlorobenzene	Pump	N	3510/8270	12/03/04	<2.8	ug/l	2.1	Guidance
77770	2,3,4,6-Tetrachlorophenol	Pump	N	3510/8270	12/03/04	<50	ug/l	210	Guidance
77142	O-Toluidine	Pump	N	3510/8270	12/03/04	<10	ug/l	150	Guidance
34551	1,2,4-Trichlorobenzene	Pump	N	3510/8270	12/03/04	<10	ug/l	70	Primary
77687	2,4,5-Trichlorophenol	Pump	N	3510/8270	12/03/04	<5.2	ug/l	4.0	Guidance
34621	2,4,6-Trichlorophenol	Pump	N	3510/8270	12/03/04	<4.8	ug/l	3.2	Guidance
NA082	o,o,o-Triethylphosphorothioat	Pump	N	3510/8270	12/03/04	<10	ug/l		
73653	sym-Trinitrobenzene	Pump	N	3510/8270	12/03/04	<170	ug/l	210	Guidance
	Dilution Factor	Pump	N	3510/8270	12/03/04	1.0			
	Surrogate Recoveries:								
	2-Fluorophenol	Pump	N	3510/8270	12/03/04	28.0	%		
	Phenol-d5	Pump	N	3510/8270	12/03/04	17.0	%		
	Nitrobenzene-d5	Pump	N	3510/8270	12/03/04	65.0	%		
	2-Fluorobiphenyl	Pump	N	3510/8270	12/03/04	61.0	%		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-4
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 12:35
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
	2,4,6-Tribromophenol	Pump	N	3510/8270	12/03/04	78.0	%		
	Terphenyl-d14	Pump	N	3510/8270	12/03/04	87.0	%		
Metals									
01105	Aluminum	Pump	N	3010/6010	12/02/04	120	ug/l	200	Secondary
01045	Iron	Pump	N	3010/6010	12/02/04	62	ug/l	300	Secondary
00929	Sodium	Pump	N	3010/6010	12/02/04	56 C8	mg/l	160	Primary
General Chemistry									
00940	Chloride	Pump	N	300.0	12/01/04	54	mg/l	250	Secondary
00620	NO3 as N	Pump	N	300.0	12/01/04	14	mg/l	10	Primary
70300	Total Dissolved Solids	Pump	N	160.1	12/01/04	400	mg/l	500	Secondary

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Order #: L101925-4
Client: The Colinas Group

US Biosystems
Report of Analysis for DEP

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: Duplicate
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 00:00
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
General Chemistry (continued)									
APP II Pesticides									
39516	PCB 1016	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1221	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1232	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1242	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1248	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1254	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1260	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
	Dilution Factor	Pump	N	3510/8082	12/03/04	1.0			
	Surrogate Recoveries:								
	TCMX	Pump	N	3510/8082	12/03/04	81.0	%		
	DCB	Pump	N	3510/8082	12/03/04	48.0	%		
Appendix II Herbicides									
39730	2,4-D	Pump	N	8151	12/05/04	<2.0	ug/l	70	Primary
39760	2,4,5-TP	Pump	N	8151	12/05/04	<2.0	ug/l	50	Primary
39740	2,4,5-T	Pump	N	8151	12/05/04	<2.0	ug/l	70	Guidance
	Dilution Factor	Pump	N	8151	12/05/04	1.0			
	Surrogate Recoveries:								
	DCAA	Pump	N	8151	12/05/04	57.0	%		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: Duplicate
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 00:00
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Metals									
01097	Antimony	Pump	N	3010/6010	12/02/04	<6.0	ug/l	6.0	Primary
01002	Arsenic	Pump	N	3010/6010	12/02/04	<10	ug/l	50	Primary
01007	Barium	Pump	N	3010/6010	12/02/04	10	ug/l	2000	Primary
01012	Beryllium	Pump	N	3010/6010	12/02/04	<4.0	ug/l	4.0	Primary
01027	Cadmium	Pump	N	3010/6010	12/02/04	<5.0	ug/l	5.0	Primary
01034	Chromium	Pump	N	3010/6010	12/02/04	<5.0	ug/l	100	Primary
01037	Cobalt	Pump	N	3010/6010	12/02/04	<10	ug/l	420	Guidance
01042	Copper	Pump	N	3010/6010	12/02/04	<10	ug/l	1000	Secondary
01051	Lead	Pump	N	3010/6010	12/02/04	<5.0	ug/l	15	Primary
01067	Nickel	Pump	N	3010/6010	12/02/04	<5.0	ug/l	100	Primary
01147	Selenium	Pump	N	3010/6010	12/02/04	<10	ug/l	50	Primary
01077	Silver	Pump	N	3010/6010	12/02/04	<10	ug/l	100	Secondary
01059	Thallium	Pump	N	200.8	12/03/04	<2.0	ug/l	2.0	Primary
NA204	Tin	Pump	N	3010/6010	12/02/04	<50	ug/l	4200	Guidance
01087	Vanadium	Pump	N	3010/6010	12/02/04	11	ug/l	49	Guidance
01092	Zinc	Pump	N	3010/6010	12/02/04	<20	ug/l	5000	Secondary
71900	Mercury	Pump	N	245.1	12/02/04	<0.20	ug/l	2.0	Primary
Polynuclear Aromatic Hydrocarbons									
34696	Naphthalene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	20	Guidance
77416	2-Methylnaphthalene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	20	Guidance
77418	1-Methylnaphthalene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	20	Guidance
34200	Acenaphthylene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	210	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: Duplicate
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 00:00
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Polynuclear Aromatic Hydrocarbons (continued)									
34205	Acenaphthene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	20	Guidance
34381	Fluorene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	280	Guidance
34461	Phenanthrene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	210	Guidance
34220	Anthracene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	2100	Guidance
34376	Fluoranthene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	280	Guidance
34469	Pyrene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	210	Guidance
34526	Benzo(a)anthracene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Primary
34320	Chrysene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	4.8	Guidance
34230	Benzo(b)fluoranthene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Guidance
34242	Benzo(k)fluoranthene	Pump	N	3510/8270	12/02/04	<0.50	ug/l	0.50	Guidance
34247	Benzo(a)pyrene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Primary
34556	Dibenzo(a,h)Anthracene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Guidance
34403	Indeno(1,2,3-c,d)pyrene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Guidance
34521	Benzo(g,h,i)perylene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	210	Guidance
	Dilution Factor	Pump	N	3510/8270	12/02/04	1.0			
	Surrogate Recoveries:								
	Nitrobenzene-d5	Pump	N	3510/8270	12/02/04	42.0	%		
	2-Fluorobiphenyl	Pump	N	3510/8270	12/02/04	53.0	%		
	Terphenyl-d14	Pump	N	3510/8270	12/02/04	83.0	%		
Appendix II Pesticide Compounds									
39330	Aldrin	Pump	N	3510/8081	12/13/04	<0.0086	ug/l	0.0050	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: Duplicate
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 00:00
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Pesticide Compounds	**(continued)**								
39337	alpha-BHC	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.0060	Guidance
39338	beta-BHC	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.020	Guidance
34259	delta-BHC	Pump	N	3510/8081	12/13/04	<0.050	ug/l	2.1	Guidance
39340	gamma-BHC	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.20	Primary
NA118	Technical Chlordane	Pump	N	3510/8081	12/13/04	<0.50	ug/l	2.0	Primary
39460	Chlorobenzilate	Pump	N	3510/8081	12/13/04	<0.20	ug/l	0.10	Guidance
NA119	4,4'-DDD	Pump	N	3510/8081	12/13/04	<0.080	ug/l	0.10	Guidance
NA120	4,4'-DDE	Pump	N	3510/8081	12/13/04	<0.080	ug/l	0.10	Guidance
NA121	4,4'-DDT	Pump	N	3510/8081	12/13/04	<0.25	ug/l	0.10	Guidance
39380	Dieldrin	Pump	N	3510/8081	12/13/04	<0.011	ug/l	0.0050	Guidance
34361	Endosulfan I	Pump	N	3510/8081	12/13/04	<0.050	ug/l	42	Guidance
34356	Endosulfan II	Pump	N	3510/8081	12/13/04	<0.10	ug/l	42	Guidance
34351	Endosulfan Sulfate	Pump	N	3510/8081	12/13/04	<0.10	ug/l		
39390	Endrin	Pump	N	3510/8081	12/13/04	<0.10	ug/l	2.0	Primary
34366	Endrin Aldehyde	Pump	N	3510/8081	12/13/04	<0.10	ug/l		
39410	Heptachlor	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.40	Primary
39420	Heptachlor Epoxide	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.20	Primary
39430	Isodrin	Pump	N	3510/8081	12/13/04	<0.050	ug/l		
39480	Methoxychlor	Pump	N	3510/8081	12/13/04	<0.50	ug/l	40	Primary
39400	Toxaphene	Pump	N	3510/8081	12/13/04	<2.4	ug/l	3.0	Primary
	Dilution Factor	Pump	N	3510/8081	12/13/04	1.0			
	Surrogate Recoveries:								

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: Duplicate
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 00:00
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Pesticide Compounds (continued)									
	TCMX	Pump	N	3510/8081	12/13/04	78.0	%		
	DCB	Pump	N	3510/8081	12/13/04	49.0	%		
Appendix II Phosphoralated Pesticides									
46314	Dimethoate	Pump	N	3510/8141	12/02/04	<0.26	ug/l	0.10	Guidance
81888	Disulfoton	Pump	N	3510/8141	12/02/04	<0.27	ug/l	0.30	Guidance
38462	Famphur	Pump	N	3510/8141	12/02/04	<0.50	ug/l	3.5	Guidance
39540	Parathion, Ethyl	Pump	N	3510/8141	12/02/04	<0.50	ug/l	42	Guidance
39600	Parathion, Methyl	Pump	N	3510/8141	12/02/04	<0.50	ug/l	42	Guidance
46313	Phorate	Pump	N	3510/8141	12/02/04	<0.50	ug/l	1.4	Guidance
73553	Thionazin	Pump	N	3510/8141	12/02/04	<0.50	ug/l		Guidance
	Dilution Factor	Pump	N	3510/8141	12/02/04	1.0			
	Surrogate Recoveries:								
	Tributylphosphate	Pump	N	3510/8141	12/02/04	81.0	%		
	Triphenylphosphate	Pump	N	3510/8141	12/02/04	100	%		
Appendix II Semi-Volatiles									
81553	Acetophenone	Pump	N	3510/8270	12/03/04	<10	ug/l	700	Guidance
82204	2-Acetylaminofluorene	Pump	N	3510/8270	12/03/04	<10	ug/l		
77581	4-Aminobiphenyl	Pump	N	3510/8270	12/03/04	<10	ug/l		
77147	Benzyl alcohol	Pump	N	3510/8270	12/03/04	<10	ug/l	2100	Guidance
34278	Bis(2-Chloroethoxy)methane	Pump	N	3510/8270	12/03/04	<10	ug/l		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: Duplicate
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 00:00
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
34273	Bis(2-Chloroethyl) Ether	Pump	N	3510/8270	12/03/04	<3.2	ug/l	4.0	Guidance
73522	Bis(2-Chloro-1-Methylethyl)Et	Pump	N	3510/8270	12/03/04	<10	ug/l		
39100	Bis(2-Ethylhexyl)Phthalate	Pump	N	3510/8270	12/03/04	<4.0	ug/l	6.0	Primary
34636	4-Bromophenylphenylether	Pump	N	3510/8270	12/03/04	<10	ug/l	410	Guidance
34292	Butylbenzylphthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	140	Guidance
77954	p-Chloroaniline	Pump	N	3510/8270	12/03/04	<10	ug/l	28	Guidance
34452	p-Chloro-m-Cresol	Pump	N	3510/8270	12/03/04	<10	ug/l	63	Guidance
34581	2-Chloronaphthalene	Pump	N	3510/8270	12/03/04	<10	ug/l	560	Guidance
34586	2-Chlorophenol	Pump	N	3510/8270	12/03/04	<10	ug/l	35	Guidance
34641	4-Chlorophenyl-phenylether	Pump	N	3510/8270	12/03/04	<10	ug/l		
77151	m-Cresol	Pump	N	3510/8270	12/03/04	<10	ug/l	35	Guidance
77152	o-Cresol	Pump	N	3510/8270	12/03/04	<10	ug/l	35	Guidance
77146	p-Cresol	Pump	N	3510/8270	12/03/04	<3.2	ug/l	4.0	Guidance
73540	Diallate	Pump	N	3510/8270	12/03/04	<4.3	ug/l	0.60	Guidance
81302	Dibenzofuran	Pump	N	3510/8270	12/03/04	<10	ug/l	28	Guidance
39110	Di-N-Butyl Phthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	700	Guidance
34536	o-Dichlorobenzene	Pump	N	3510/8270	12/03/04	<10	ug/l	600	Primary
34566	m-Dichlorobenzene	Pump	N	3510/8270	12/03/04	<8.0	ug/l	10	Guidance
34571	p-Dichlorobenzene	Pump	N	3510/8270	12/03/04	<10	ug/l	75	Primary
34631	3,3'-Dichlorobenzidine	Pump	N	3510/8270	12/03/04	<9.6	ug/l	12	Guidance
34601	2,4-Dichlorophenol	Pump	N	3510/8270	12/03/04	<6.7	ug/l	0.50	Guidance
77541	2,6-Dichlorophenol	Pump	N	3510/8270	12/03/04	<4.0	ug/l	4.0	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in): NA
Water Level (ft): NA
Total Depth (ft): NA
Column Height (ft): NA
Column Volume (gal): NA
Evacuation (gal): NA
Actual (gal): NA

Evacuation Method: NA

Sample Appearance

Tint: NA
Color: NA
Turbidity: NA
Odor: NA

Environmental Conditions

Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA
Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: Duplicate
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 00:00
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
34336	Diethyl Phthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	5600	Guidance
73558	p-Dimethylaminoazobenzene	Pump	N	3510/8270	12/03/04	<10	ug/l		
73559	7,12-Dimethylbenzo(a)anthrace	Pump	N	3510/8270	12/03/04	<10	ug/l		
NA030	3,3'-Dimethylbenzidine	Pump	N	3510/8270	12/03/04	<200	ug/l	250	Guidance
34606	2,4-Dimethyl Phenol	Pump	N	3510/8270	12/03/04	<10	ug/l	140	Guidance
34341	Dimethyl Phthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	70000	Guidance
45622	m-Dinitrobenzene	Pump	N	3510/8270	12/03/04	<6.4	ug/l	8.0	Guidance
34657	4,6-Dinitro-o-Cresol	Pump	N	3510/8270	12/03/04	<50	ug/l		
34616	2,4-Dinitrophenol	Pump	N	3510/8270	12/03/04	<10	ug/l	14	Guidance
34611	2,4-Dinitrotoluene	Pump	N	3510/8270	12/03/04	<1.3	ug/l	0.10	Guidance
34626	2,6-Dinitrotoluene	Pump	N	3510/8270	12/03/04	<1.3	ug/l	0.10	Guidance
30191	Dinoseb	Pump	N	3510/8270	12/03/04	<6.7	ug/l	7.0	Guidance
34596	Di-N-Octyl Phthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	140	Guidance
77579	Diphenylamine	Pump	N	3510/8270	12/03/04	<10	ug/l	180	Guidance
73571	Ethyl Methanesulfonate	Pump	N	3510/8270	12/03/04	<10	ug/l		
39700	Hexachlorobenzene	Pump	N	3510/8270	12/03/04	<1.4	ug/l	1.0	Primary
34391	Hexachlorobutadiene	Pump	N	3510/8270	12/03/04	<10	ug/l		
34386	Hexachlorocyclopentadiene	Pump	N	3510/8270	12/03/04	<10	ug/l	50	Primary
34396	Hexachloroethane	Pump	N	3510/8270	12/03/04	<2.0	ug/l	2.5	Guidance
73576	Hexachloropropene	Pump	N	3510/8270	12/03/04	<10	ug/l		
34408	Isophorone	Pump	N	3510/8270	12/03/04	<10	ug/l	37	Guidance
78727	Isosafrole	Pump	N	3510/8270	12/03/04	<10	ug/l		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: Duplicate
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 00:00
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
73589	Methapyrilene	Pump	N	3510/8270	12/03/04	<2000	ug/l		
73591	3-Methylcholanthrene	Pump	N	3510/8270	12/03/04	<10	ug/l		
73595	Methyl Methanesulfonate	Pump	N	3510/8270	12/03/04	<10	ug/l		
77416	2-Methylnaphthalene	Pump	N	3510/8270	12/03/04	<10	ug/l	20	Guidance
73599	1,4-Naphthoquinone	Pump	N	3510/8270	12/03/04	<10	ug/l		
73600	1-Naphthylamine	Pump	N	3510/8270	12/03/04	<10	ug/l		
82191	2-Naphthylamine	Pump	N	3510/8270	12/03/04	<8.0	ug/l	10	Guidance
78142	o-Nitroaniline	Pump	N	3510/8270	12/03/04	<40	ug/l	50	Guidance
78300	m-Nitroaniline	Pump	N	3510/8270	12/03/04	<40	ug/l	50	Guidance
30342	p-Nitroaniline	Pump	N	3510/8270	12/03/04	<17	ug/l	21	Guidance
34447	Nitrobenzene	Pump	N	3510/8270	12/03/04	<3.2	ug/l	4.0	Guidance
34591	o-Nitrophenol	Pump	N	3510/8270	12/03/04	<10	ug/l		
34646	p-Nitrophenol	Pump	N	3510/8270	12/03/04	<45	ug/l	56	Guidance
78200	N-Nitrosodi-n-butylamine	Pump	N	3510/8270	12/03/04	<4.2	ug/l	4.0	Guidance
78200	N-Nitrosodiethylamine	Pump	N	3510/8270	12/03/04	<3.7	ug/l	4.0	Guidance
34438	N-Nitrosodimethylamine	Pump	N	3510/8270	12/03/04	<1.2	ug/l	2.0	Guidance
34433	N-Nitrosodiphenylamine	Pump	N	3510/8270	12/03/04	<4.0	ug/l	7.1	Guidance
34428	N-Nitrosodipropylamine	Pump	N	3510/8270	12/03/04	<3.2	ug/l	4.0	Guidance
73613	N-Nitrosomethylethylamine	Pump	N	3510/8270	12/03/04	<6.4	ug/l	8.0	Guidance
73619	N-Nitrosopiperidine	Pump	N	3510/8270	12/03/04	<10	ug/l		
78206	N-Nitrosopyrolidine	Pump	N	3510/8270	12/03/04	<6.4	ug/l	8.0	Guidance
73622	5-Nitro-o-Toluidine	Pump	N	3510/8270	12/03/04	<10	ug/l		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: Duplicate
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 00:00
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
77793	Pentachlorobenzene	Pump	N	3510/8270	12/03/04	<4.5	ug/l	5.6	Guidance
81316	Pentachloronitrobenzene	Pump	N	3510/8270	12/03/04	<5.1	ug/l	0.50	Guidance
39032	Pentachlorophenol	Pump	N	3510/8270	12/03/04	<8.5	ug/l	1.0	Primary
70003	Phenacetin	Pump	N	3510/8270	12/03/04	<10	ug/l		
34694	Phenol	Pump	N	3510/8270	12/03/04	<1.0	ug/l	10	Guidance
73628	p-Phenylenediamine	Pump	N	3510/8270	12/03/04	<1100	ug/l	1300	Guidance
39080	Pronamide	Pump	N	3510/8270	12/03/04	<10	ug/l	53	Guidance
77545	Safrole	Pump	N	3510/8270	12/03/04	<10	ug/l		
77734	1,2,4,5-Tetrachlorobenzene	Pump	N	3510/8270	12/03/04	<2.8	ug/l	2.1	Guidance
77770	2,3,4,6-Tetrachlorophenol	Pump	N	3510/8270	12/03/04	<50	ug/l	210	Guidance
77142	O-Toluidine	Pump	N	3510/8270	12/03/04	<10	ug/l	150	Guidance
34551	1,2,4-Trichlorobenzene	Pump	N	3510/8270	12/03/04	<10	ug/l	70	Primary
77687	2,4,5-Trichlorophenol	Pump	N	3510/8270	12/03/04	<5.2	ug/l	4.0	Guidance
34621	2,4,6-Trichlorophenol	Pump	N	3510/8270	12/03/04	<4.8	ug/l	3.2	Guidance
NA082	o,o,o-Triethylphosphorothioat	Pump	N	3510/8270	12/03/04	<10	ug/l		
73653	sym-Trinitrobenzene	Pump	N	3510/8270	12/03/04	<170	ug/l	210	Guidance
	Dilution Factor	Pump	N	3510/8270	12/03/04	1.0			
	Surrogate Recoveries:								
	2-Fluorophenol	Pump	N	3510/8270	12/03/04	26.0	%		
	Phenol-d5	Pump	N	3510/8270	12/03/04	17.0	%		
	Nitrobenzene-d5	Pump	N	3510/8270	12/03/04	58.0	%		
	2-Fluorobiphenyl	Pump	N	3510/8270	12/03/04	60.0	%		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications		Sample Appearance	
Diameter (in):	NA	Tint:	NA
Water Level (ft):	NA	Color:	NA
Total Depth (ft):	NA	Turbidity:	NA
Column Height (ft):	NA	Odor:	NA
Column Volume (gal):	NA	Environmental Conditions	
Evacuation (gal):	NA	Wind:	NA
Actual (gal):	NA	Rain:	NA
		Air (^C):	NA
		Atmosphere:	NA

Evacuation Method: NA Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: Duplicate
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 00:00
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
	2,4,6-Tribromophenol	Pump	N	3510/8270	12/03/04	77.0	%		
	Terphenyl-d14	Pump	N	3510/8270	12/03/04	83.0	%		
Metals									
01105	Aluminum	Pump	N	3010/6010	12/02/04	110	ug/l	200	Secondary
01045	Iron	Pump	N	3010/6010	12/02/04	55	ug/l	300	Secondary
00929	Sodium	Pump	N	3010/6010	12/02/04	52	mg/l	160	Primary
General Chemistry									
00940	Chloride	Pump	N	300.0	12/01/04	55	mg/l	250	Secondary
00620	NO3 as N	Pump	N	300.0	12/01/04	14	mg/l	10	Primary
70300	Total Dissolved Solids	Pump	N	160.1	12/01/04	440	mg/l	500	Secondary

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-4A
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 11:20
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
General Chemistry (continued)									
APP II Pesticides									
39516	PCB 1016	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1221	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1232	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1242	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1248	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1254	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1260	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
	Dilution Factor	Pump	N	3510/8082	12/03/04	1.0			
	Surrogate Recoveries:								
	TCMX	Pump	N	3510/8082	12/03/04	86.0	%		
	DCB	Pump	N	3510/8082	12/03/04	86.0	%		
Appendix II Herbicides									
39730	2,4-D	Pump	N	8151	12/05/04	<2.0	ug/l	70	Primary
39760	2,4,5-TP	Pump	N	8151	12/05/04	<2.0	ug/l	50	Primary
39740	2,4,5-T	Pump	N	8151	12/05/04	<2.0	ug/l	70	Guidance
	Dilution Factor	Pump	N	8151	12/05/04	1.0			
	Surrogate Recoveries:								
	DCAA	Pump	N	8151	12/05/04	46.0	%		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-4A
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 11:20
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Metals									
01097	Antimony	Pump	N	3010/6010	12/02/04	<6.0	ug/l	6.0	Primary
01002	Arsenic	Pump	N	3010/6010	12/02/04	<10	ug/l	50	Primary
01007	Barium	Pump	N	3010/6010	12/02/04	15	ug/l	2000	Primary
01012	Beryllium	Pump	N	3010/6010	12/02/04	<4.0	ug/l	4.0	Primary
01027	Cadmium	Pump	N	3010/6010	12/02/04	<5.0	ug/l	5.0	Primary
01034	Chromium	Pump	N	3010/6010	12/02/04	<5.0	ug/l	100	Primary
01037	Cobalt	Pump	N	3010/6010	12/02/04	<10	ug/l	420	Guidance
01042	Copper	Pump	N	3010/6010	12/02/04	<10	ug/l	1000	Secondary
01051	Lead	Pump	N	3010/6010	12/02/04	<5.0	ug/l	15	Primary
01067	Nickel	Pump	N	3010/6010	12/02/04	<5.0	ug/l	100	Primary
01147	Selenium	Pump	N	3010/6010	12/02/04	<10	ug/l	50	Primary
01077	Silver	Pump	N	3010/6010	12/02/04	<10	ug/l	100	Secondary
01059	Thallium	Pump	N	200.8	12/03/04	<2.0	ug/l	2.0	Primary
NA204	Tin	Pump	N	3010/6010	12/02/04	<50	ug/l	4200	Guidance
01087	Vanadium	Pump	N	3010/6010	12/02/04	<10	ug/l	49	Guidance
01092	Zinc	Pump	N	3010/6010	12/02/04	<20	ug/l	5000	Secondary
71900	Mercury	Pump	N	245.1	12/02/04	<0.20	ug/l	2.0	Primary
Polynuclear Aromatic Hydrocarbons									
34696	Naphthalene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	20	Guidance
77416	2-Methylnaphthalene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	20	Guidance
77418	1-Methylnaphthalene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	20	Guidance
34200	Acenaphthylene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	210	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-4A
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 11:20
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Polynuclear Aromatic Hydrocarbons	**(continued)**								
34205	Acenaphthene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	20	Guidance
34381	Fluorene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	280	Guidance
34461	Phenanthrene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	210	Guidance
34220	Anthracene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	2100	Guidance
34376	Fluoranthene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	280	Guidance
34469	Pyrene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	210	Guidance
34526	Benzo(a)anthracene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Primary
34320	Chrysene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	4.8	Guidance
34230	Benzo(b)fluoranthene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Guidance
34242	Benzo(k)fluoranthene	Pump	N	3510/8270	12/02/04	<0.50	ug/l	0.50	Guidance
34247	Benzo(a)pyrene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Primary
34556	Dibenzo(a,h)Anthracene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Guidance
34403	Indeno(1,2,3-c,d)pyrene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Guidance
34521	Benzo(g,h,i)perylene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	210	Guidance
	Dilution Factor	Pump	N	3510/8270	12/02/04	1.0			
	Surrogate Recoveries:								
	Nitrobenzene-d5	Pump	N	3510/8270	12/02/04	48.0	%		
	2-Fluorobiphenyl	Pump	N	3510/8270	12/02/04	58.0	%		
	Terphenyl-d14	Pump	N	3510/8270	12/02/04	77.0	%		
Appendix II Pesticide Compounds									
39330	Aldrin	Pump	N	3510/8081	12/13/04	<0.0086	ug/l	0.0050	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-4A
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 11:20
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Pesticide Compounds	**(continued)**								
39337	alpha-BHC	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.0060	Guidance
39338	beta-BHC	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.020	Guidance
34259	delta-BHC	Pump	N	3510/8081	12/13/04	<0.050	ug/l	2.1	Guidance
39340	gamma-BHC	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.20	Primary
NA118	Technical Chlordane	Pump	N	3510/8081	12/13/04	<0.50	ug/l	2.0	Primary
39460	Chlorobenzilate	Pump	N	3510/8081	12/13/04	<0.20	ug/l	0.10	Guidance
NA119	4,4'-DDD	Pump	N	3510/8081	12/13/04	<0.080	ug/l	0.10	Guidance
NA120	4,4'-DDE	Pump	N	3510/8081	12/13/04	<0.080	ug/l	0.10	Guidance
NA121	4,4'-DDT	Pump	N	3510/8081	12/13/04	<0.25	ug/l	0.10	Guidance
39380	Dieldrin	Pump	N	3510/8081	12/13/04	<0.011	ug/l	0.0050	Guidance
34361	Endosulfan I	Pump	N	3510/8081	12/13/04	<0.050	ug/l	42	Guidance
34356	Endosulfan II	Pump	N	3510/8081	12/13/04	<0.10	ug/l	42	Guidance
34351	Endosulfan Sulfate	Pump	N	3510/8081	12/13/04	<0.10	ug/l		
39390	Endrin	Pump	N	3510/8081	12/13/04	<0.10	ug/l	2.0	Primary
34366	Endrin Aldehyde	Pump	N	3510/8081	12/13/04	<0.10	ug/l		
39410	Heptachlor	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.40	Primary
39420	Heptachlor Epoxide	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.20	Primary
39430	Isodrin	Pump	N	3510/8081	12/13/04	<0.050	ug/l		
39480	Methoxychlor	Pump	N	3510/8081	12/13/04	<0.50	ug/l	40	Primary
39400	Toxaphene	Pump	N	3510/8081	12/13/04	<2.4	ug/l	3.0	Primary
	Dilution Factor	Pump	N	3510/8081	12/13/04	1.0			
	Surrogate Recoveries:								

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications		Sample Appearance	
Diameter (in):	NA	Tint:	NA
Water Level (ft):	NA	Color:	NA
Total Depth (ft):	NA	Turbidity:	NA
Column Height (ft):	NA	Odor:	NA
Column Volume (gal):	NA	Environmental Conditions	
Evacuation (gal):	NA	Wind:	NA
Actual (gal):	NA	Rain:	NA
		Air (^C):	NA
		Atmosphere:	NA
Evacuation Method:	NA	Other:	NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-4A
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 11:20
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Pesticide Compounds (continued)									
	TCMX	Pump	N	3510/8081	12/13/04	75.0	%		
	DCB	Pump	N	3510/8081	12/13/04	71.0	%		
Appendix II Phosphoralated Pesticides									
46314	Dimethoate	Pump	N	3510/8141	12/02/04	<0.26	ug/l	0.10	Guidance
81888	Disulfoton	Pump	N	3510/8141	12/02/04	<0.27	ug/l	0.30	Guidance
38462	Famphur	Pump	N	3510/8141	12/02/04	<0.50	ug/l	3.5	Guidance
39540	Parathion, Ethyl	Pump	N	3510/8141	12/02/04	<0.50	ug/l	42	Guidance
39600	Parathion, Methyl	Pump	N	3510/8141	12/02/04	<0.50	ug/l	42	Guidance
46313	Phorate	Pump	N	3510/8141	12/02/04	<0.50	ug/l	1.4	Guidance
73553	Thionazin	Pump	N	3510/8141	12/02/04	<0.50	ug/l		Guidance
	Dilution Factor	Pump	N	3510/8141	12/02/04	1.0			
	Surrogate Recoveries:								
	Tributylphosphate	Pump	N	3510/8141	12/02/04	83.0	%		
	Triphenylphosphate	Pump	N	3510/8141	12/02/04	94.0	%		
Appendix II Semi-Volatiles									
81553	Acetophenone	Pump	N	3510/8270	12/03/04	<10	ug/l	700	Guidance
82204	2-Acetylaminofluorene	Pump	N	3510/8270	12/03/04	<10	ug/l		
77581	4-Aminobiphenyl	Pump	N	3510/8270	12/03/04	<10	ug/l		
77147	Benzyl alcohol	Pump	N	3510/8270	12/03/04	<10	ug/l	2100	Guidance
34278	Bis(2-Chloroethoxy)methane	Pump	N	3510/8270	12/03/04	<10	ug/l		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-4A
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 11:20
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
34273	Bis(2-Chloroethyl) Ether	Pump	N	3510/8270	12/03/04	<3.2	ug/l	4.0	Guidance
73522	Bis(2-Chloro-1-Methylethyl)Et	Pump	N	3510/8270	12/03/04	<10	ug/l		
39100	Bis(2-Ethylhexyl)Phthalate	Pump	N	3510/8270	12/03/04	<4.0	ug/l	6.0	Primary
34636	4-Bromophenylphenylether	Pump	N	3510/8270	12/03/04	<10	ug/l	410	Guidance
34292	Butylbenzylphthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	140	Guidance
77954	p-Chloroaniline	Pump	N	3510/8270	12/03/04	<10	ug/l	28	Guidance
34452	p-Chloro-m-Cresol	Pump	N	3510/8270	12/03/04	<10	ug/l	63	Guidance
34581	2-Chloronaphthalene	Pump	N	3510/8270	12/03/04	<10	ug/l	560	Guidance
34586	2-Chlorophenol	Pump	N	3510/8270	12/03/04	<10	ug/l	35	Guidance
34641	4-Chlorophenyl-phenylether	Pump	N	3510/8270	12/03/04	<10	ug/l		
77151	m-Cresol	Pump	N	3510/8270	12/03/04	<10	ug/l	35	Guidance
77152	o-Cresol	Pump	N	3510/8270	12/03/04	<10	ug/l	35	Guidance
77146	p-Cresol	Pump	N	3510/8270	12/03/04	<3.2	ug/l	4.0	Guidance
73540	Diallate	Pump	N	3510/8270	12/03/04	<4.3	ug/l	0.60	Guidance
81302	Dibenzofuran	Pump	N	3510/8270	12/03/04	<10	ug/l	28	Guidance
39110	Di-N-Butyl Phthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	700	Guidance
34536	o-Dichlorobenzene	Pump	N	3510/8270	12/03/04	<10	ug/l	600	Primary
34566	m-Dichlorobenzene	Pump	N	3510/8270	12/03/04	<8.0	ug/l	10	Guidance
34571	p-Dichlorobenzene	Pump	N	3510/8270	12/03/04	<10	ug/l	75	Primary
34631	3,3'-Dichlorobenzidine	Pump	N	3510/8270	12/03/04	<9.6	ug/l	12	Guidance
34601	2,4-Dichlorophenol	Pump	N	3510/8270	12/03/04	<6.7	ug/l	0.50	Guidance
77541	2,6-Dichlorophenol	Pump	N	3510/8270	12/03/04	<4.0	ug/l	4.0	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-4A
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 11:20
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
34336	Diethyl Phthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	5600	Guidance
73558	p-Dimethylaminoazobenzene	Pump	N	3510/8270	12/03/04	<10	ug/l		
73559	7,12-Dimethylbenzo(a)anthrace	Pump	N	3510/8270	12/03/04	<10	ug/l		
NA030	3,3'-Dimethylbenzidine	Pump	N	3510/8270	12/03/04	<200	ug/l	250	Guidance
34606	2,4-Dimethyl Phenol	Pump	N	3510/8270	12/03/04	<10	ug/l	140	Guidance
34341	Dimethyl Phthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	70000	Guidance
45622	m-Dinitrobenzene	Pump	N	3510/8270	12/03/04	<6.4	ug/l	8.0	Guidance
34657	4,6-Dinitro-o-Cresol	Pump	N	3510/8270	12/03/04	<50	ug/l		
34616	2,4-Dinitrophenol	Pump	N	3510/8270	12/03/04	<10	ug/l	14	Guidance
34611	2,4-Dinitrotoluene	Pump	N	3510/8270	12/03/04	<1.3	ug/l	0.10	Guidance
34626	2,6-Dinitrotoluene	Pump	N	3510/8270	12/03/04	<1.3	ug/l	0.10	Guidance
30191	Dinoseb	Pump	N	3510/8270	12/03/04	<6.7	ug/l	7.0	Guidance
34596	Di-N-Octyl Phthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	140	Guidance
77579	Diphenylamine	Pump	N	3510/8270	12/03/04	<10	ug/l	180	Guidance
73571	Ethyl Methanesulfonate	Pump	N	3510/8270	12/03/04	<10	ug/l		
39700	Hexachlorobenzene	Pump	N	3510/8270	12/03/04	<1.4	ug/l	1.0	Primary
34391	Hexachlorobutadiene	Pump	N	3510/8270	12/03/04	<10	ug/l		
34386	Hexachlorocyclopentadiene	Pump	N	3510/8270	12/03/04	<10	ug/l	50	Primary
34396	Hexachloroethane	Pump	N	3510/8270	12/03/04	<2.0	ug/l	2.5	Guidance
73576	Hexachloropropene	Pump	N	3510/8270	12/03/04	<10	ug/l		
34408	Isophorone	Pump	N	3510/8270	12/03/04	<10	ug/l	37	Guidance
78727	Isosafrole	Pump	N	3510/8270	12/03/04	<10	ug/l		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in): NA
Water Level (ft): NA
Total Depth (ft): NA
Column Height (ft): NA
Column Volume (gal): NA
Evacuation (gal): NA
Actual (gal): NA

Evacuation Method: NA

Sample Appearance

Tint: NA
Color: NA
Turbidity: NA
Odor: NA

Environmental Conditions

Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-4A
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 11:20
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
73589	Methapyrilene	Pump	N	3510/8270	12/03/04	<2000	ug/l		
73591	3-Methylcholanthrene	Pump	N	3510/8270	12/03/04	<10	ug/l		
73595	Methyl Methanesulfonate	Pump	N	3510/8270	12/03/04	<10	ug/l		
77416	2-Methylnaphthalene	Pump	N	3510/8270	12/03/04	<10	ug/l	20	Guidance
73599	1,4-Naphthoquinone	Pump	N	3510/8270	12/03/04	<10	ug/l		
73600	1-Naphthylamine	Pump	N	3510/8270	12/03/04	<10	ug/l		
82191	2-Naphthylamine	Pump	N	3510/8270	12/03/04	<8.0	ug/l	10	Guidance
78142	o-Nitroaniline	Pump	N	3510/8270	12/03/04	<40	ug/l	50	Guidance
78300	m-Nitroaniline	Pump	N	3510/8270	12/03/04	<40	ug/l	50	Guidance
30342	p-Nitroaniline	Pump	N	3510/8270	12/03/04	<17	ug/l	21	Guidance
34447	Nitrobenzene	Pump	N	3510/8270	12/03/04	<3.2	ug/l	4.0	Guidance
34591	o-Nitrophenol	Pump	N	3510/8270	12/03/04	<10	ug/l		
34646	p-Nitrophenol	Pump	N	3510/8270	12/03/04	<45	ug/l	56	Guidance
78200	N-Nitrosodi-n-butylamine	Pump	N	3510/8270	12/03/04	<4.2	ug/l	4.0	Guidance
78200	N-Nitrosodiethylamine	Pump	N	3510/8270	12/03/04	<3.7	ug/l	4.0	Guidance
34438	N-Nitrosodimethylamine	Pump	N	3510/8270	12/03/04	<1.2	ug/l	2.0	Guidance
34433	N-Nitrosodiphenylamine	Pump	N	3510/8270	12/03/04	<4.0	ug/l	7.1	Guidance
34428	N-Nitrosodipropylamine	Pump	N	3510/8270	12/03/04	<3.2	ug/l	4.0	Guidance
73613	N-Nitrosomethylethylamine	Pump	N	3510/8270	12/03/04	<6.4	ug/l	8.0	Guidance
73619	N-Nitrosopiperidine	Pump	N	3510/8270	12/03/04	<10	ug/l		
78206	N-Nitrosopyrolidine	Pump	N	3510/8270	12/03/04	<6.4	ug/l	8.0	Guidance
73622	5-Nitro-o-Toluidine	Pump	N	3510/8270	12/03/04	<10	ug/l		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-4A
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 11:20
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
77793	Pentachlorobenzene	Pump	N	3510/8270	12/03/04	<4.5	ug/l	5.6	Guidance
81316	Pentachloronitrobenzene	Pump	N	3510/8270	12/03/04	<5.1	ug/l	0.50	Guidance
39032	Pentachlorophenol	Pump	N	3510/8270	12/03/04	<8.5	ug/l	1.0	Primary
70003	Phenacetin	Pump	N	3510/8270	12/03/04	<10	ug/l		
34694	Phenol	Pump	N	3510/8270	12/03/04	<1.0	ug/l	10	Guidance
73628	p-Phenylenediamine	Pump	N	3510/8270	12/03/04	<1100	ug/l	1300	Guidance
39080	Pronamide	Pump	N	3510/8270	12/03/04	<10	ug/l	53	Guidance
77545	Safrole	Pump	N	3510/8270	12/03/04	<10	ug/l		
77734	1,2,4,5-Tetrachlorobenzene	Pump	N	3510/8270	12/03/04	<2.8	ug/l	2.1	Guidance
77770	2,3,4,6-Tetrachlorophenol	Pump	N	3510/8270	12/03/04	<50	ug/l	210	Guidance
77142	O-Toluidine	Pump	N	3510/8270	12/03/04	<10	ug/l	150	Guidance
34551	1,2,4-Trichlorobenzene	Pump	N	3510/8270	12/03/04	<10	ug/l	70	Primary
77687	2,4,5-Trichlorophenol	Pump	N	3510/8270	12/03/04	<5.2	ug/l	4.0	Guidance
34621	2,4,6-Trichlorophenol	Pump	N	3510/8270	12/03/04	<4.8	ug/l	3.2	Guidance
NA082	o,o,o-Triethylphosphorothioat	Pump	N	3510/8270	12/03/04	<10	ug/l		
73653	sym-Trinitrobenzene	Pump	N	3510/8270	12/03/04	<170	ug/l	210	Guidance
	Dilution Factor	Pump	N	3510/8270	12/03/04	1.0			
	Surrogate Recoveries:								
	2-Fluorophenol	Pump	N	3510/8270	12/03/04	25.0	%		
	Phenol-d5	Pump	N	3510/8270	12/03/04	16.0	%		
	Nitrobenzene-d5	Pump	N	3510/8270	12/03/04	57.0	%		
	2-Fluorobiphenyl	Pump	N	3510/8270	12/03/04	56.0	%		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications		Sample Appearance	
Diameter (in):	NA	Tint:	NA
Water Level (ft):	NA	Color:	NA
Total Depth (ft):	NA	Turbidity:	NA
Column Height (ft):	NA	Odor:	NA
Column Volume (gal):	NA	Environmental Conditions	
Evacuation (gal):	NA	Wind:	NA
Actual (gal):	NA	Rain:	NA
		Air (^C):	NA
		Atmosphere:	NA
Evacuation Method:	NA	Other:	NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-4A
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 11:20
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
	2,4,6-Tribromophenol	Pump	N	3510/8270	12/03/04	74.0	%		
	Terphenyl-d14	Pump	N	3510/8270	12/03/04	72.0	%		
Metals									
01105	Aluminum	Pump	N	3010/6010	12/02/04	390	ug/l	200	Secondary
01045	Iron	Pump	N	3010/6010	12/02/04	54	ug/l	300	Secondary
00929	Sodium	Pump	N	3010/6010	12/02/04	22	mg/l	160	Primary
General Chemistry									
00940	Chloride	Pump	N	300.0	12/01/04	25	mg/l	250	Secondary
00620	NO3 as N	Pump	N	300.0	12/01/04	5.0	mg/l	10	Primary
70300	Total Dissolved Solids	Pump	N	160.1	12/01/04	280	mg/l	500	Secondary

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-4B
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 14:10
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
	General Chemistry (continued)								
	APP II Pesticides								
39516	PCB 1016	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1221	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1232	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1242	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1248	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1254	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1260	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
	Dilution Factor	Pump	N	3510/8082	12/03/04	1.0			
	Surrogate Recoveries:								
	TCMX	Pump	N	3510/8082	12/03/04	82.0	%		
	DCB	Pump	N	3510/8082	12/03/04	98.0	%		
	Appendix II Herbicides								
39730	2,4-D	Pump	N	8151	12/05/04	<2.0	ug/l	70	Primary
39760	2,4,5-TP	Pump	N	8151	12/05/04	<2.0	ug/l	50	Primary
39740	2,4,5-T	Pump	N	8151	12/05/04	<2.0	ug/l	70	Guidance
	Dilution Factor	Pump	N	8151	12/05/04	1.0			
	Surrogate Recoveries:								
	DCAA	Pump	N	8151	12/05/04	57.0	%		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-4B
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 14:10
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Metals									
01097	Antimony	Pump	N	3010/6010	12/02/04	<6.0	ug/l	6.0	Primary
01002	Arsenic	Pump	N	3010/6010	12/02/04	<10	ug/l	50	Primary
01007	Barium	Pump	N	3010/6010	12/02/04	10	ug/l	2000	Primary
01012	Beryllium	Pump	N	3010/6010	12/02/04	<4.0	ug/l	4.0	Primary
01027	Cadmium	Pump	N	3010/6010	12/02/04	<5.0	ug/l	5.0	Primary
01034	Chromium	Pump	N	3010/6010	12/02/04	<5.0	ug/l	100	Primary
01037	Cobalt	Pump	N	3010/6010	12/02/04	<10	ug/l	420	Guidance
01042	Copper	Pump	N	3010/6010	12/02/04	<10	ug/l	1000	Secondary
01051	Lead	Pump	N	3010/6010	12/02/04	<5.0	ug/l	15	Primary
01067	Nickel	Pump	N	3010/6010	12/02/04	<5.0	ug/l	100	Primary
01147	Selenium	Pump	N	3010/6010	12/02/04	<10	ug/l	50	Primary
01077	Silver	Pump	N	3010/6010	12/02/04	<10	ug/l	100	Secondary
01059	Thallium	Pump	N	200.8	12/03/04	<2.0	ug/l	2.0	Primary
NA204	Tin	Pump	N	3010/6010	12/02/04	<50	ug/l	4200	Guidance
01087	Vanadium	Pump	N	3010/6010	12/02/04	24	ug/l	49	Guidance
01092	Zinc	Pump	N	3010/6010	12/02/04	<20	ug/l	5000	Secondary
71900	Mercury	Pump	N	245.1	12/02/04	<0.20	ug/l	2.0	Primary
Polynuclear Aromatic Hydrocarbons									
34696	Naphthalene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	20	Guidance
77416	2-Methylnaphthalene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	20	Guidance
77418	1-Methylnaphthalene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	20	Guidance
34200	Acenaphthylene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	210	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications		Sample Appearance	
Diameter (in):	NA	Tint:	NA
Water Level (ft):	NA	Color:	NA
Total Depth (ft):	NA	Turbidity:	NA
Column Height (ft):	NA	Odor:	NA
Column Volume (gal):	NA	Environmental Conditions	
Evacuation (gal):	NA	Wind:	NA
Actual (gal):	NA	Rain:	NA
		Air (^C):	NA
		Atmosphere:	NA
Evacuation Method:	NA	Other:	NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-4B
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 14:10
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Polynuclear Aromatic Hydrocarbons	**(continued)**								
34205	Acenaphthene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	20	Guidance
34381	Fluorene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	280	Guidance
34461	Phenanthrene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	210	Guidance
34220	Anthracene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	2100	Guidance
34376	Fluoranthene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	280	Guidance
34469	Pyrene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	210	Guidance
34526	Benzo(a)anthracene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Primary
34320	Chrysene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	4.8	Guidance
34230	Benzo(b)fluoranthene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Guidance
34242	Benzo(k)fluoranthene	Pump	N	3510/8270	12/02/04	<0.50	ug/l	0.50	Guidance
34247	Benzo(a)pyrene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Primary
34556	Dibenzo(a,h)Anthracene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Guidance
34403	Indeno(1,2,3-c,d)pyrene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Guidance
34521	Benzo(g,h,i)perylene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	210	Guidance
	Dilution Factor	Pump	N	3510/8270	12/02/04	1.0			
	Surrogate Recoveries:								
	Nitrobenzene-d5	Pump	N	3510/8270	12/02/04	45.0	%		
	2-Fluorobiphenyl	Pump	N	3510/8270	12/02/04	60.0	%		
	Terphenyl-d14	Pump	N	3510/8270	12/02/04	100	%		
Appendix II Pesticide Compounds									
39330	Aldrin	Pump	N	3510/8081	12/13/04	<0.0086	ug/l	0.0050	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-4B
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 14:10
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Pesticide Compounds	**(continued)**								
39337	alpha-BHC	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.0060	Guidance
39338	beta-BHC	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.020	Guidance
34259	delta-BHC	Pump	N	3510/8081	12/13/04	<0.050	ug/l	2.1	Guidance
39340	gamma-BHC	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.20	Primary
NA118	Technical Chlordane	Pump	N	3510/8081	12/13/04	<0.50	ug/l	2.0	Primary
39460	Chlorobenzilate	Pump	N	3510/8081	12/13/04	<0.20	ug/l	0.10	Guidance
NA119	4,4'-DDD	Pump	N	3510/8081	12/13/04	<0.080	ug/l	0.10	Guidance
NA120	4,4'-DDE	Pump	N	3510/8081	12/13/04	<0.080	ug/l	0.10	Guidance
NA121	4,4'-DDT	Pump	N	3510/8081	12/13/04	<0.25	ug/l	0.10	Guidance
39380	Dieldrin	Pump	N	3510/8081	12/13/04	<0.011	ug/l	0.0050	Guidance
34361	Endosulfan I	Pump	N	3510/8081	12/13/04	<0.050	ug/l	42	Guidance
34356	Endosulfan II	Pump	N	3510/8081	12/13/04	<0.10	ug/l	42	Guidance
34351	Endosulfan Sulfate	Pump	N	3510/8081	12/13/04	<0.10	ug/l		
39390	Endrin	Pump	N	3510/8081	12/13/04	<0.10	ug/l	2.0	Primary
34366	Endrin Aldehyde	Pump	N	3510/8081	12/13/04	<0.10	ug/l		
39410	Heptachlor	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.40	Primary
39420	Heptachlor Epoxide	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.20	Primary
39430	Isodrin	Pump	N	3510/8081	12/13/04	<0.050	ug/l		
39480	Methoxychlor	Pump	N	3510/8081	12/13/04	<0.50	ug/l	40	Primary
39400	Toxaphene	Pump	N	3510/8081	12/13/04	<2.4	ug/l	3.0	Primary
	Dilution Factor	Pump	N	3510/8081	12/13/04	1.0			
	Surrogate Recoveries:								

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-4B
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 14:10
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Pesticide Compounds (continued)									
	TCMX	Pump	N	3510/8081	12/13/04	82.0	%		
	DCB	Pump	N	3510/8081	12/13/04	86.0	%		
Appendix II Phosphoralated Pesticides									
46314	Dimethoate	Pump	N	3510/8141	12/02/04	<0.26	ug/l	0.10	Guidance
81888	Disulfoton	Pump	N	3510/8141	12/02/04	<0.27	ug/l	0.30	Guidance
38462	Famphur	Pump	N	3510/8141	12/02/04	<0.50	ug/l	3.5	Guidance
39540	Parathion, Ethyl	Pump	N	3510/8141	12/02/04	<0.50	ug/l	42	Guidance
39600	Parathion, Methyl	Pump	N	3510/8141	12/02/04	<0.50	ug/l	42	Guidance
46313	Phorate	Pump	N	3510/8141	12/02/04	<0.50	ug/l	1.4	Guidance
73553	Thionazin	Pump	N	3510/8141	12/02/04	<0.50	ug/l		Guidance
	Dilution Factor	Pump	N	3510/8141	12/02/04	1.0			
	Surrogate Recoveries:								
	Tributylphosphate	Pump	N	3510/8141	12/02/04	73.0	%		
	Triphenylphosphate	Pump	N	3510/8141	12/02/04	84.0	%		
Appendix II Semi-Volatiles									
81553	Acetophenone	Pump	N	3510/8270	12/03/04	<10	ug/l	700	Guidance
82204	2-Acetylaminofluorene	Pump	N	3510/8270	12/03/04	<10	ug/l		
77581	4-Aminobiphenyl	Pump	N	3510/8270	12/03/04	<10	ug/l		
77147	Benzyl alcohol	Pump	N	3510/8270	12/03/04	<10	ug/l	2100	Guidance
34278	Bis(2-Chloroethoxy)methane	Pump	N	3510/8270	12/03/04	<10	ug/l		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-4B
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 14:10
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
34273	Bis(2-Chloroethyl) Ether	Pump	N	3510/8270	12/03/04	<3.2	ug/l	4.0	Guidance
73522	Bis(2-Chloro-1-Methylethyl)Et	Pump	N	3510/8270	12/03/04	<10	ug/l		
39100	Bis(2-Ethylhexyl)Phthalate	Pump	N	3510/8270	12/03/04	<4.0	ug/l	6.0	Primary
34636	4-Bromophenylphenylether	Pump	N	3510/8270	12/03/04	<10	ug/l	410	Guidance
34292	Butylbenzylphthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	140	Guidance
77954	p-Chloroaniline	Pump	N	3510/8270	12/03/04	<10	ug/l	28	Guidance
34452	p-Chloro-m-Cresol	Pump	N	3510/8270	12/03/04	<10	ug/l	63	Guidance
34581	2-Chloronaphthalene	Pump	N	3510/8270	12/03/04	<10	ug/l	560	Guidance
34586	2-Chlorophenol	Pump	N	3510/8270	12/03/04	<10	ug/l	35	Guidance
34641	4-Chlorophenyl-phenylether	Pump	N	3510/8270	12/03/04	<10	ug/l		
77151	m-Cresol	Pump	N	3510/8270	12/03/04	<10	ug/l	35	Guidance
77152	o-Cresol	Pump	N	3510/8270	12/03/04	<10	ug/l	35	Guidance
77146	p-Cresol	Pump	N	3510/8270	12/03/04	<3.2	ug/l	4.0	Guidance
73540	Diallate	Pump	N	3510/8270	12/03/04	<4.3	ug/l	0.60	Guidance
81302	Dibenzofuran	Pump	N	3510/8270	12/03/04	<10	ug/l	28	Guidance
39110	Di-N-Butyl Phthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	700	Guidance
34536	o-Dichlorobenzene	Pump	N	3510/8270	12/03/04	<10	ug/l	600	Primary
34566	m-Dichlorobenzene	Pump	N	3510/8270	12/03/04	<8.0	ug/l	10	Guidance
34571	p-Dichlorobenzene	Pump	N	3510/8270	12/03/04	<10	ug/l	75	Primary
34631	3,3'-Dichlorobenzidine	Pump	N	3510/8270	12/03/04	<9.6	ug/l	12	Guidance
34601	2,4-Dichlorophenol	Pump	N	3510/8270	12/03/04	<6.7	ug/l	0.50	Guidance
77541	2,6-Dichlorophenol	Pump	N	3510/8270	12/03/04	<4.0	ug/l	4.0	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-4B
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 14:10
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
34336	Diethyl Phthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	5600	Guidance
73558	p-Dimethylaminoazobenzene	Pump	N	3510/8270	12/03/04	<10	ug/l		
73559	7,12-Dimethylbenzo(a)anthrace	Pump	N	3510/8270	12/03/04	<10	ug/l		
NA030	3,3'-Dimethylbenzidine	Pump	N	3510/8270	12/03/04	<200	ug/l	250	Guidance
34606	2,4-Dimethyl Phenol	Pump	N	3510/8270	12/03/04	<10	ug/l	140	Guidance
34341	Dimethyl Phthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	70000	Guidance
45622	m-Dinitrobenzene	Pump	N	3510/8270	12/03/04	<6.4	ug/l	8.0	Guidance
34657	4,6-Dinitro-o-Cresol	Pump	N	3510/8270	12/03/04	<50	ug/l		
34616	2,4-Dinitrophenol	Pump	N	3510/8270	12/03/04	<10	ug/l	14	Guidance
34611	2,4-Dinitrotoluene	Pump	N	3510/8270	12/03/04	<1.3	ug/l	0.10	Guidance
34626	2,6-Dinitrotoluene	Pump	N	3510/8270	12/03/04	<1.3	ug/l	0.10	Guidance
30191	Dinoseb	Pump	N	3510/8270	12/03/04	<6.7	ug/l	7.0	Guidance
34596	Di-N-Octyl Phthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	140	Guidance
77579	Diphenylamine	Pump	N	3510/8270	12/03/04	<10	ug/l	180	Guidance
73571	Ethyl Methanesulfonate	Pump	N	3510/8270	12/03/04	<10	ug/l		
39700	Hexachlorobenzene	Pump	N	3510/8270	12/03/04	<1.4	ug/l	1.0	Primary
34391	Hexachlorobutadiene	Pump	N	3510/8270	12/03/04	<10	ug/l		
34386	Hexachlorocyclopentadiene	Pump	N	3510/8270	12/03/04	<10	ug/l	50	Primary
34396	Hexachloroethane	Pump	N	3510/8270	12/03/04	<2.0	ug/l	2.5	Guidance
73576	Hexachloropropene	Pump	N	3510/8270	12/03/04	<10	ug/l		
34408	Isophorone	Pump	N	3510/8270	12/03/04	<10	ug/l	37	Guidance
78727	Isosafrole	Pump	N	3510/8270	12/03/04	<10	ug/l		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-4B
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 14:10
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
73589	Methapyrilene	Pump	N	3510/8270	12/03/04	<2000	ug/l		
73591	3-Methylcholanthrene	Pump	N	3510/8270	12/03/04	<10	ug/l		
73595	Methyl Methanesulfonate	Pump	N	3510/8270	12/03/04	<10	ug/l		
77416	2-Methylnaphthalene	Pump	N	3510/8270	12/03/04	<10	ug/l	20	Guidance
73599	1,4-Naphthoquinone	Pump	N	3510/8270	12/03/04	<10	ug/l		
73600	1-Naphthylamine	Pump	N	3510/8270	12/03/04	<10	ug/l		
82191	2-Naphthylamine	Pump	N	3510/8270	12/03/04	<8.0	ug/l	10	Guidance
78142	o-Nitroaniline	Pump	N	3510/8270	12/03/04	<40	ug/l	50	Guidance
78300	m-Nitroaniline	Pump	N	3510/8270	12/03/04	<40	ug/l	50	Guidance
30342	p-Nitroaniline	Pump	N	3510/8270	12/03/04	<17	ug/l	21	Guidance
34447	Nitrobenzene	Pump	N	3510/8270	12/03/04	<3.2	ug/l	4.0	Guidance
34591	o-Nitrophenol	Pump	N	3510/8270	12/03/04	<10	ug/l		
34646	p-Nitrophenol	Pump	N	3510/8270	12/03/04	<45	ug/l	56	Guidance
78200	N-Nitrosodi-n-butylamine	Pump	N	3510/8270	12/03/04	<4.2	ug/l	4.0	Guidance
78200	N-Nitrosodiethylamine	Pump	N	3510/8270	12/03/04	<3.7	ug/l	4.0	Guidance
34438	N-Nitrosodimethylamine	Pump	N	3510/8270	12/03/04	<1.2	ug/l	2.0	Guidance
34433	N-Nitrosodiphenylamine	Pump	N	3510/8270	12/03/04	<4.0	ug/l	7.1	Guidance
34428	N-Nitrosodipropylamine	Pump	N	3510/8270	12/03/04	<3.2	ug/l	4.0	Guidance
73613	N-Nitrosomethylethylamine	Pump	N	3510/8270	12/03/04	<6.4	ug/l	8.0	Guidance
73619	N-Nitrosopiperidine	Pump	N	3510/8270	12/03/04	<10	ug/l		
78206	N-Nitrosopyrolidine	Pump	N	3510/8270	12/03/04	<6.4	ug/l	8.0	Guidance
73622	5-Nitro-o-Toluidine	Pump	N	3510/8270	12/03/04	<10	ug/l		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-4B
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 14:10
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
77793	Pentachlorobenzene	Pump	N	3510/8270	12/03/04	<4.5	ug/l	5.6	Guidance
81316	Pentachloronitrobenzene	Pump	N	3510/8270	12/03/04	<5.1	ug/l	0.50	Guidance
39032	Pentachlorophenol	Pump	N	3510/8270	12/03/04	<8.5	ug/l	1.0	Primary
70003	Phenacetin	Pump	N	3510/8270	12/03/04	<10	ug/l		
34694	Phenol	Pump	N	3510/8270	12/03/04	<1.0	ug/l	10	Guidance
73628	p-Phenylenediamine	Pump	N	3510/8270	12/03/04	<1100	ug/l	1300	Guidance
39080	Pronamide	Pump	N	3510/8270	12/03/04	<10	ug/l	53	Guidance
77545	Safrole	Pump	N	3510/8270	12/03/04	<10	ug/l		
77734	1,2,4,5-Tetrachlorobenzene	Pump	N	3510/8270	12/03/04	<2.8	ug/l	2.1	Guidance
77770	2,3,4,6-Tetrachlorophenol	Pump	N	3510/8270	12/03/04	<50	ug/l	210	Guidance
77142	O-Toluidine	Pump	N	3510/8270	12/03/04	<10	ug/l	150	Guidance
34551	1,2,4-Trichlorobenzene	Pump	N	3510/8270	12/03/04	<10	ug/l	70	Primary
77687	2,4,5-Trichlorophenol	Pump	N	3510/8270	12/03/04	<5.2	ug/l	4.0	Guidance
34621	2,4,6-Trichlorophenol	Pump	N	3510/8270	12/03/04	<4.8	ug/l	3.2	Guidance
NA082	o,o,o-Triethylphosphorothioat	Pump	N	3510/8270	12/03/04	<10	ug/l		
73653	sym-Trinitrobenzene	Pump	N	3510/8270	12/03/04	<170	ug/l	210	Guidance
	Dilution Factor	Pump	N	3510/8270	12/03/04	1.0			
	Surrogate Recoveries:								
	2-Fluorophenol	Pump	N	3510/8270	12/03/04	25.0	%		
	Phenol-d5	Pump	N	3510/8270	12/03/04	16.0	%		
	Nitrobenzene-d5	Pump	N	3510/8270	12/03/04	58.0	%		
	2-Fluorobiphenyl	Pump	N	3510/8270	12/03/04	58.0	%		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-4B
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/29/2004 14:10
Report Period: 4Q 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
	2,4,6-Tribromophenol	Pump	N	3510/8270	12/03/04	76.0	%		
	Terphenyl-d14	Pump	N	3510/8270	12/03/04	82.0	%		
Metals									
01105	Aluminum	Pump	N	3010/6010	12/02/04	700	ug/l	200	Secondary
01045	Iron	Pump	N	3010/6010	12/02/04	<50	ug/l	300	Secondary
00929	Sodium	Pump	N	3010/6010	12/02/04	16	mg/l	160	Primary
General Chemistry									
00940	Chloride	Pump	N	300.0	12/01/04	12	mg/l	250	Secondary
00620	NO3 as N	Pump	N	300.0	12/01/04	1.4	mg/l	10	Primary
70300	Total Dissolved Solids	Pump	N	160.1	12/01/04	160	mg/l	500	Secondary

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Client: The Colinas Group

Report of Analysis for DEP

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-6A
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 14:05
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
	General Chemistry (continued)								
	APP II Pesticides								
39516	PCB 1016	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1221	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1232	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1242	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1248	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1254	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
39516	PCB 1260	Pump	N	3510/8082	12/03/04	<0.50	ug/l	0.50	Primary
	Dilution Factor	Pump	N	3510/8082	12/03/04	1.0			
	Surrogate Recoveries:								
	TCMX	Pump	N	3510/8082	12/03/04	86.0	%		
	DCB	Pump	N	3510/8082	12/03/04	106	%		
	Appendix II Herbicides								
39730	2,4-D	Pump	N	8151	12/05/04	<2.0	ug/l	70	Primary
39760	2,4,5-TP	Pump	N	8151	12/05/04	<2.0	ug/l	50	Primary
39740	2,4,5-T	Pump	N	8151	12/05/04	<2.0	ug/l	70	Guidance
	Dilution Factor	Pump	N	8151	12/05/04	1.0			
	Surrogate Recoveries:								
	DCAA	Pump	N	8151	12/05/04	47.0	%		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in): NA
Water Level (ft): NA
Total Depth (ft): NA
Column Height (ft): NA
Column Volume (gal): NA
Evacuation (gal): NA
Actual (gal): NA

Evacuation Method: NA

Sample Appearance

Tint: NA
Color: NA
Turbidity: NA
Odor: NA

Environmental Conditions

Wind: NA
Rain: NA
Air (^C): NA
Atmosphere: NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-6A
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 14:05
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Metals									
01097	Antimony	Pump	N	200.8	12/03/04	<2.0	ug/l	6.0	Primary
01002	Arsenic	Pump	N	200.8	12/03/04	<2.0	ug/l	50	Primary
01007	Barium	Pump	N	200.8	12/03/04	2.5	ug/l	2000	Primary
01012	Beryllium	Pump	N	200.8	12/03/04	<2.0	ug/l	4.0	Primary
01027	Cadmium	Pump	N	200.8	12/03/04	<2.0	ug/l	5.0	Primary
01034	Chromium	Pump	N	200.8	12/03/04	4.5	ug/l	100	Primary
01037	Cobalt	Pump	N	200.8	12/03/04	<2.0	ug/l	420	Guidance
01042	Copper	Pump	N	200.8	12/03/04	<2.0	ug/l	1000	Secondary
01051	Lead	Pump	N	200.8	12/03/04	<2.0	ug/l	15	Primary
01067	Nickel	Pump	N	200.8	12/03/04	<2.0	ug/l	100	Primary
01147	Selenium	Pump	N	200.8	12/03/04	<2.0	ug/l	50	Primary
01077	Silver	Pump	N	200.8	12/03/04	<2.0	ug/l	100	Secondary
01059	Thallium	Pump	N	200.8	12/03/04	<2.0	ug/l	2.0	Primary
NA204	Tin	Pump	N	3010/6010	12/05/04	<50	ug/l	4200	Guidance
01087	Vanadium	Pump	N	200.8	12/03/04	7.7	ug/l	49	Guidance
01092	Zinc	Pump	N	200.8	12/03/04	<5.0	ug/l	5000	Secondary
71900	Mercury	Pump	N	245.1	12/03/04	<0.20	ug/l	2.0	Primary
Polynuclear Aromatic Hydrocarbons									
34696	Naphthalene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	20	Guidance
77416	2-Methylnaphthalene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	20	Guidance
77418	1-Methylnaphthalene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	20	Guidance
34200	Acenaphthylene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	210	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-6A
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 14:05
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Polynuclear Aromatic Hydrocarbons (continued)									
34205	Acenaphthene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	20	Guidance
34381	Fluorene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	280	Guidance
34461	Phenanthrene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	210	Guidance
34220	Anthracene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	2100	Guidance
34376	Fluoranthene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	280	Guidance
34469	Pyrene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	210	Guidance
34526	Benzo(a)anthracene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Primary
34320	Chrysene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	4.8	Guidance
34230	Benzo(b)fluoranthene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Guidance
34242	Benzo(k)fluoranthene	Pump	N	3510/8270	12/02/04	<0.50	ug/l	0.50	Guidance
34247	Benzo(a)pyrene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Primary
34556	Dibenzo(a,h)Anthracene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Guidance
34403	Indeno(1,2,3-c,d)pyrene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Guidance
34521	Benzo(g,h,i)perylene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	210	Guidance
	Dilution Factor	Pump	N	3510/8270	12/02/04	1.0			
	Surrogate Recoveries:								
	Nitrobenzene-d5	Pump	N	3510/8270	12/02/04	43.0	%		
	2-Fluorobiphenyl	Pump	N	3510/8270	12/02/04	47.0	%		
	Terphenyl-d14	Pump	N	3510/8270	12/02/04	69.0	%		
Appendix II Pesticide Compounds									
39330	Aldrin	Pump	N	3510/8081	12/13/04	<0.0086	ug/l	0.0050	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-6A
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 14:05
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Pesticide Compounds (continued)									
39337	alpha-BHC	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.0060	Guidance
39338	beta-BHC	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.020	Guidance
34259	delta-BHC	Pump	N	3510/8081	12/13/04	<0.050	ug/l	2.1	Guidance
39340	gamma-BHC	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.20	Primary
NA118	Technical Chlordane	Pump	N	3510/8081	12/13/04	<0.50	ug/l	2.0	Primary
39460	Chlorobenzilate	Pump	N	3510/8081	12/13/04	<0.20	ug/l	0.10	Guidance
NA119	4,4'-DDD	Pump	N	3510/8081	12/13/04	<0.080	ug/l	0.10	Guidance
NA120	4,4'-DDE	Pump	N	3510/8081	12/13/04	<0.080	ug/l	0.10	Guidance
NA121	4,4'-DDT	Pump	N	3510/8081	12/13/04	<0.080	ug/l	0.10	Guidance
39380	Dieldrin	Pump	N	3510/8081	12/13/04	<0.011	ug/l	0.0050	Guidance
34361	Endosulfan I	Pump	N	3510/8081	12/13/04	<0.050	ug/l	42	Guidance
34356	Endosulfan II	Pump	N	3510/8081	12/13/04	<0.10	ug/l	42	Guidance
34351	Endosulfan Sulfate	Pump	N	3510/8081	12/13/04	<0.10	ug/l		
39390	Endrin	Pump	N	3510/8081	12/13/04	<0.10	ug/l	2.0	Primary
34366	Endrin Aldehyde	Pump	N	3510/8081	12/13/04	<0.10	ug/l		
39410	Heptachlor	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.40	Primary
39420	Heptachlor Epoxide	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.20	Primary
39430	Isodrin	Pump	N	3510/8081	12/13/04	<0.050	ug/l		
39480	Methoxychlor	Pump	N	3510/8081	12/13/04	<0.50	ug/l	40	Primary
39400	Toxaphene	Pump	N	3510/8081	12/13/04	<2.4	ug/l	3.0	Primary
39018	Kepone	Pump	N	3510/8081	12/13/04	<10	ug/l	3.0	Primary
	Dilution Factor	Pump	N	3510/8081	12/13/04	1.0			

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-6A
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 14:05
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Pesticide Compounds (continued)									
	Surrogate Recoveries:								
	TCMX	Pump	N	3510/8081	12/13/04	78.0	%		
	DCB	Pump	N	3510/8081	12/13/04	84.0	%		
Appendix II Phosphoralated Pesticides									
46314	Dimethoate	Pump	N	3510/8141	12/03/04	<0.26	ug/l	0.10	Guidance
81888	Disulfoton	Pump	N	3510/8141	12/03/04	<0.27	ug/l	0.30	Guidance
38462	Famphur	Pump	N	3510/8141	12/03/04	<0.50	ug/l	3.5	Guidance
39540	Parathion, Ethyl	Pump	N	3510/8141	12/03/04	<0.50	ug/l	42	Guidance
39600	Parathion, Methyl	Pump	N	3510/8141	12/03/04	<0.50	ug/l	42	Guidance
46313	Phorate	Pump	N	3510/8141	12/03/04	<0.50	ug/l	1.4	Guidance
73553	Thionazin	Pump	N	3510/8141	12/03/04	<0.50	ug/l		Guidance
	Dilution Factor	Pump	N	3510/8141	12/03/04	1.0			
	Surrogate Recoveries:								
	Tributylphosphate	Pump	N	3510/8141	12/03/04	80.0	%		
	Triphenylphosphate	Pump	N	3510/8141	12/03/04	98.0	%		
Appendix II Semi-Volatiles									
81553	Acetophenone	Pump	N	3510/8270	12/03/04	<10	ug/l	700	Guidance
82204	2-Acetylaminofluorene	Pump	N	3510/8270	12/03/04	<10	ug/l		
77581	4-Aminobiphenyl	Pump	N	3510/8270	12/03/04	<10	ug/l		
77147	Benzyl alcohol	Pump	N	3510/8270	12/03/04	<10	ug/l	2100	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-6A
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 14:05
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
34278	Bis(2-Chloroethoxy)methane	Pump	N	3510/8270	12/03/04	<10	ug/l		
34273	Bis(2-Chloroethyl) Ether	Pump	N	3510/8270	12/03/04	<3.2	ug/l	4.0	Guidance
73522	Bis(2-Chloro-1-Methylethyl)Et	Pump	N	3510/8270	12/03/04	<10	ug/l		
39100	Bis(2-Ethylhexyl)Phthalate	Pump	N	3510/8270	12/03/04	<4.0	ug/l	6.0	Primary
34636	4-Bromophenylphenylether	Pump	N	3510/8270	12/03/04	<10	ug/l	410	Guidance
34292	Butylbenzylphthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	140	Guidance
77954	p-Chloroaniline	Pump	N	3510/8270	12/03/04	<10	ug/l	28	Guidance
34452	p-Chloro-m-Cresol	Pump	N	3510/8270	12/03/04	<10	ug/l	63	Guidance
34581	2-Chloronaphthalene	Pump	N	3510/8270	12/03/04	<10	ug/l	560	Guidance
34586	2-Chlorophenol	Pump	N	3510/8270	12/03/04	<10	ug/l	35	Guidance
34641	4-Chlorophenyl-phenylether	Pump	N	3510/8270	12/03/04	<10	ug/l		
77151	m-Cresol	Pump	N	3510/8270	12/03/04	<10	ug/l	35	Guidance
77152	o-Cresol	Pump	N	3510/8270	12/03/04	<10	ug/l	35	Guidance
77146	p-Cresol	Pump	N	3510/8270	12/03/04	<3.2	ug/l	4.0	Guidance
73540	Diallate	Pump	N	3510/8270	12/03/04	<4.3	ug/l	0.60	Guidance
81302	Dibenzofuran	Pump	N	3510/8270	12/03/04	<10	ug/l	28	Guidance
39110	Di-N-Butyl Phthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	700	Guidance
34536	o-Dichlorobenzene	Pump	N	3510/8270	12/03/04	<10	ug/l	600	Primary
34566	m-Dichlorobenzene	Pump	N	3510/8270	12/03/04	<8.0	ug/l	10	Guidance
34571	p-Dichlorobenzene	Pump	N	3510/8270	12/03/04	<10	ug/l	75	Primary
34631	3,3'-Dichlorobenzidine	Pump	N	3510/8270	12/03/04	<9.6	ug/l	12	Guidance
34601	2,4-Dichlorophenol	Pump	N	3510/8270	12/03/04	<6.7	ug/l	0.50	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-6A
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 14:05
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
77541	2,6-Dichlorophenol	Pump	N	3510/8270	12/03/04	<4.0	ug/l	4.0	Guidance
34336	Diethyl Phthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	5600	Guidance
73558	p-Dimethylaminoazobenzene	Pump	N	3510/8270	12/03/04	<10	ug/l		
73559	7,12-Dimethylbenzo(a)anthrace	Pump	N	3510/8270	12/03/04	<10	ug/l		
NA030	3,3'-Dimethylbenzidine	Pump	N	3510/8270	12/03/04	<200	ug/l	250	Guidance
34606	2,4-Dimethyl Phenol	Pump	N	3510/8270	12/03/04	<10	ug/l	140	Guidance
34341	Dimethyl Phthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	70000	Guidance
45622	m-Dinitrobenzene	Pump	N	3510/8270	12/03/04	<6.4	ug/l	8.0	Guidance
34657	4,6-Dinitro-o-Cresol	Pump	N	3510/8270	12/03/04	<50	ug/l		
34616	2,4-Dinitrophenol	Pump	N	3510/8270	12/03/04	<10	ug/l	14	Guidance
34611	2,4-Dinitrotoluene	Pump	N	3510/8270	12/03/04	<1.3	ug/l	0.10	Guidance
34626	2,6-Dinitrotoluene	Pump	N	3510/8270	12/03/04	<1.3	ug/l	0.10	Guidance
30191	Dinoseb	Pump	N	3510/8270	12/03/04	<6.7	ug/l	7.0	Guidance
34596	Di-N-Octyl Phthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	140	Guidance
77579	Diphenylamine	Pump	N	3510/8270	12/03/04	<10	ug/l	180	Guidance
73571	Ethyl Methanesulfonate	Pump	N	3510/8270	12/03/04	<10	ug/l		
39700	Hexachlorobenzene	Pump	N	3510/8270	12/03/04	<1.4	ug/l	1.0	Primary
34391	Hexachlorobutadiene	Pump	N	3510/8270	12/03/04	<10	ug/l		
34386	Hexachlorocyclopentadiene	Pump	N	3510/8270	12/03/04	<10	ug/l	50	Primary
34396	Hexachloroethane	Pump	N	3510/8270	12/03/04	<2.0	ug/l	2.5	Guidance
73576	Hexachloropropene	Pump	N	3510/8270	12/03/04	<10	ug/l		
34408	Isophorone	Pump	N	3510/8270	12/03/04	<10	ug/l	37	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-6A
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 14:05
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
78727	Isosafrole	Pump	N	3510/8270	12/03/04	<10	ug/l		
73589	Methapyrilene	Pump	N	3510/8270	12/03/04	<2000	ug/l		
73591	3-Methylcholanthrene	Pump	N	3510/8270	12/03/04	<10	ug/l		
73595	Methyl Methanesulfonate	Pump	N	3510/8270	12/03/04	<10	ug/l		
77416	2-Methylnaphthalene	Pump	N	3510/8270	12/03/04	<10	ug/l	20	Guidance
73599	1,4-Naphthoquinone	Pump	N	3510/8270	12/03/04	<10	ug/l		
73600	1-Naphthylamine	Pump	N	3510/8270	12/03/04	<10	ug/l		
82191	2-Naphthylamine	Pump	N	3510/8270	12/03/04	<8.0	ug/l	10	Guidance
78142	o-Nitroaniline	Pump	N	3510/8270	12/03/04	<40	ug/l	50	Guidance
78300	m-Nitroaniline	Pump	N	3510/8270	12/03/04	<40	ug/l	50	Guidance
30342	p-Nitroaniline	Pump	N	3510/8270	12/03/04	<17	ug/l	21	Guidance
34447	Nitrobenzene	Pump	N	3510/8270	12/03/04	<3.2	ug/l	4.0	Guidance
34591	o-Nitrophenol	Pump	N	3510/8270	12/03/04	<10	ug/l		
34646	p-Nitrophenol	Pump	N	3510/8270	12/03/04	<45	ug/l	56	Guidance
78200	N-Nitrosodi-n-butylamine	Pump	N	3510/8270	12/03/04	<4.2	ug/l	4.0	Guidance
78200	N-Nitrosodiethylamine	Pump	N	3510/8270	12/03/04	<3.7	ug/l	4.0	Guidance
34438	N-Nitrosodimethylamine	Pump	N	3510/8270	12/03/04	<1.2	ug/l	2.0	Guidance
34433	N-Nitrosodiphenylamine	Pump	N	3510/8270	12/03/04	<4.0	ug/l	7.1	Guidance
34428	N-Nitrosodipropylamine	Pump	N	3510/8270	12/03/04	<3.2	ug/l	4.0	Guidance
73613	N-Nitrosomethylethylamine	Pump	N	3510/8270	12/03/04	<6.4	ug/l	8.0	Guidance
73619	N-Nitrosopiperidine	Pump	N	3510/8270	12/03/04	<10	ug/l		
78206	N-Nitrosopyrolidine	Pump	N	3510/8270	12/03/04	<6.4	ug/l	8.0	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-6A
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 14:05
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
73622	5-Nitro-o-Toluidine	Pump	N	3510/8270	12/03/04	<10	ug/l		
77793	Pentachlorobenzene	Pump	N	3510/8270	12/03/04	<4.5	ug/l	5.6	Guidance
81316	Pentachloronitrobenzene	Pump	N	3510/8270	12/03/04	<5.1	ug/l	0.50	Guidance
39032	Pentachlorophenol	Pump	N	3510/8270	12/03/04	<8.5	ug/l	1.0	Primary
70003	Phenacetin	Pump	N	3510/8270	12/03/04	<10	ug/l		
34694	Phenol	Pump	N	3510/8270	12/03/04	<1.0	ug/l	10	Guidance
73628	p-Phenylenediamine	Pump	N	3510/8270	12/03/04	<1100	ug/l	1300	Guidance
39080	Pronamide	Pump	N	3510/8270	12/03/04	<10	ug/l	53	Guidance
77545	Safrole	Pump	N	3510/8270	12/03/04	<10	ug/l		
77734	1,2,4,5-Tetrachlorobenzene	Pump	N	3510/8270	12/03/04	<2.8	ug/l	2.1	Guidance
77770	2,3,4,6-Tetrachlorophenol	Pump	N	3510/8270	12/03/04	<50	ug/l	210	Guidance
77142	O-Toluidine	Pump	N	3510/8270	12/03/04	<10	ug/l	150	Guidance
34551	1,2,4-Trichlorobenzene	Pump	N	3510/8270	12/03/04	<10	ug/l	70	Primary
77687	2,4,5-Trichlorophenol	Pump	N	3510/8270	12/03/04	<5.2	ug/l	4.0	Guidance
34621	2,4,6-Trichlorophenol	Pump	N	3510/8270	12/03/04	<4.8	ug/l	3.2	Guidance
NA082	o,o,o-Triethylphosphorothioat	Pump	N	3510/8270	12/03/04	<10	ug/l		
73653	sym-Trinitrobenzene	Pump	N	3510/8270	12/03/04	<170	ug/l	210	Guidance
	Dilution Factor	Pump	N	3510/8270	12/03/04	1.0			
	Surrogate Recoveries:								
	2-Fluorophenol	Pump	N	3510/8270	12/03/04	26.0	%		
	Phenol-d5	Pump	N	3510/8270	12/03/04	17.0	%		
	Nitrobenzene-d5	Pump	N	3510/8270	12/03/04	80.0	%		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: MW-6A
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 14:05
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
	2-Fluorobiphenyl	Pump	N	3510/8270	12/03/04	75.0	%		
	2,4,6-Tribromophenol	Pump	N	3510/8270	12/03/04	75.0	%		
	Terphenyl-d14	Pump	N	3510/8270	12/03/04	88.0	%		
Metals									
01105	Aluminum	Pump	N	200.8	12/03/04	55	ug/l	200	Secondary
01045	Iron	Pump	N	3010/6010	12/05/04	<0.050	ug/l	300	Secondary
00929	Sodium	Pump	N	3010/6010	12/05/04	3.3	mg/l	160	Primary
General Chemistry									
00940	Chloride	Pump	N	300.0	12/01/04	7.4	mg/l	250	Secondary
00620	NO3 as N	Pump	N	300.0	12/01/04	6.5	mg/l	10	Primary
70300	Total Dissolved Solids	Pump	N	160.1	12/02/04	150	mg/l	500	Secondary

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Client: The Colinas Group

Report of Analysis for DEP

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: Equipment Blank
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 10:00
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
General Chemistry (continued)									
APP II Pesticides									
39516	PCB 1016	Pump	N	3510/8082	12/04/04	<0.50	ug/l	0.50	Primary
39516	PCB 1221	Pump	N	3510/8082	12/04/04	<0.50	ug/l	0.50	Primary
39516	PCB 1232	Pump	N	3510/8082	12/04/04	<0.50	ug/l	0.50	Primary
39516	PCB 1242	Pump	N	3510/8082	12/04/04	<0.50	ug/l	0.50	Primary
39516	PCB 1248	Pump	N	3510/8082	12/04/04	<0.50	ug/l	0.50	Primary
39516	PCB 1254	Pump	N	3510/8082	12/04/04	<0.50	ug/l	0.50	Primary
39516	PCB 1260	Pump	N	3510/8082	12/04/04	<0.50	ug/l	0.50	Primary
	Dilution Factor	Pump	N	3510/8082	12/04/04	1.0			
	Surrogate Recoveries:								
	TCMX	Pump	N	3510/8082	12/04/04	74.0	%		
	DCB	Pump	N	3510/8082	12/04/04	54.0	%		
Appendix II Herbicides									
39730	2,4-D	Pump	N	8151	12/05/04	<2.0	ug/l	70	Primary
39760	2,4,5-TP	Pump	N	8151	12/05/04	<2.0	ug/l	50	Primary
39740	2,4,5-T	Pump	N	8151	12/05/04	<2.0	ug/l	70	Guidance
	Dilution Factor	Pump	N	8151	12/05/04	1.0			
	Surrogate Recoveries:								
	DCAA	Pump	N	8151	12/05/04	52.0	%		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: Equipment Blank
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 10:00
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Metals									
01097	Antimony	Pump	N	200.8	12/03/04	<2.0	ug/l	6.0	Primary
01002	Arsenic	Pump	N	200.8	12/03/04	<2.0	ug/l	50	Primary
01007	Barium	Pump	N	200.8	12/03/04	<2.0	ug/l	2000	Primary
01012	Beryllium	Pump	N	200.8	12/03/04	<2.0	ug/l	4.0	Primary
01027	Cadmium	Pump	N	200.8	12/03/04	<2.0	ug/l	5.0	Primary
01034	Chromium	Pump	N	200.8	12/03/04	3.0	ug/l	100	Primary
01037	Cobalt	Pump	N	200.8	12/03/04	<2.0	ug/l	420	Guidance
01042	Copper	Pump	N	200.8	12/03/04	<2.0	ug/l	1000	Secondary
01051	Lead	Pump	N	200.8	12/03/04	<2.0	ug/l	15	Primary
01067	Nickel	Pump	N	200.8	12/03/04	<2.0	ug/l	100	Primary
01147	Selenium	Pump	N	200.8	12/03/04	<2.0	ug/l	50	Primary
01077	Silver	Pump	N	200.8	12/03/04	<2.0	ug/l	100	Secondary
01059	Thallium	Pump	N	200.8	12/03/04	<2.0	ug/l	2.0	Primary
NA204	Tin	Pump	N	3010/6010	12/05/04	<50	mg/l	4200	Guidance
01087	Vanadium	Pump	N	200.8	12/03/04	<2.0	ug/l	49	Guidance
01092	Zinc	Pump	N	200.8	12/03/04	22	ug/l	5000	Secondary
71900	Mercury	Pump	N	245.1	12/03/04	<0.20	ug/l	2.0	Primary
Polynuclear Aromatic Hydrocarbons									
34696	Naphthalene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	20	Guidance
77416	2-Methylnaphthalene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	20	Guidance
77418	1-Methylnaphthalene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	20	Guidance
34200	Acenaphthylene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	210	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: Equipment Blank
Classification of Groundwater: *G-II*
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 10:00
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Polynuclear Aromatic Hydrocarbons	**(continued)**								
34205	Acenaphthene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	20	Guidance
34381	Fluorene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	280	Guidance
34461	Phenanthrene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	210	Guidance
34220	Anthracene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	2100	Guidance
34376	Fluoranthene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	280	Guidance
34469	Pyrene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	210	Guidance
34526	Benzo(a)anthracene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Primary
34320	Chrysene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	4.8	Guidance
34230	Benzo(b)fluoranthene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Guidance
34242	Benzo(k)fluoranthene	Pump	N	3510/8270	12/02/04	<0.50	ug/l	0.50	Guidance
34247	Benzo(a)pyrene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Primary
34556	Dibenzo(a,h)Anthracene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Guidance
34403	Indeno(1,2,3-c,d)pyrene	Pump	N	3510/8270	12/02/04	<0.20	ug/l	0.20	Guidance
34521	Benzo(g,h,i)perylene	Pump	N	3510/8270	12/02/04	<1.0	ug/l	210	Guidance
	Dilution Factor	Pump	N	3510/8270	12/02/04	1.0			
	Surrogate Recoveries:								
	Nitrobenzene-d5	Pump	N	3510/8270	12/02/04	38.0	%		
	2-Fluorobiphenyl	Pump	N	3510/8270	12/02/04	49.0	%		
	Terphenyl-d14	Pump	N	3510/8270	12/02/04	63.0	%		
Appendix II Pesticide Compounds									
39330	Aldrin	Pump	N	3510/8081	12/13/04	<0.0086	ug/l	0.0050	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: Equipment Blank
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 10:00
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Pesticide Compounds	**(continued)**								
39337	alpha-BHC	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.0060	Guidance
39338	beta-BHC	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.020	Guidance
34259	delta-BHC	Pump	N	3510/8081	12/13/04	<0.050	ug/l	2.1	Guidance
39340	gamma-BHC	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.20	Primary
NA118	Technical Chlordane	Pump	N	3510/8081	12/13/04	<0.50	ug/l	2.0	Primary
39460	Chlorobenzilate	Pump	N	3510/8081	12/13/04	<0.20	ug/l	0.10	Guidance
NA119	4,4'-DDD	Pump	N	3510/8081	12/13/04	<0.080	ug/l	0.10	Guidance
NA120	4,4'-DDE	Pump	N	3510/8081	12/13/04	<0.080	ug/l	0.10	Guidance
NA121	4,4'-DDT	Pump	N	3510/8081	12/13/04	<0.080	ug/l	0.10	Guidance
39380	Dieldrin	Pump	N	3510/8081	12/13/04	<0.011	ug/l	0.0050	Guidance
34361	Endosulfan I	Pump	N	3510/8081	12/13/04	<0.050	ug/l	42	Guidance
34356	Endosulfan II	Pump	N	3510/8081	12/13/04	<0.10	ug/l	42	Guidance
34351	Endosulfan Sulfate	Pump	N	3510/8081	12/13/04	<0.10	ug/l		
39390	Endrin	Pump	N	3510/8081	12/13/04	<0.10	ug/l	2.0	Primary
34366	Endrin Aldehyde	Pump	N	3510/8081	12/13/04	<0.10	ug/l		
39410	Heptachlor	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.40	Primary
39420	Heptachlor Epoxide	Pump	N	3510/8081	12/13/04	<0.050	ug/l	0.20	Primary
39430	Isodrin	Pump	N	3510/8081	12/13/04	<0.050	ug/l		
39480	Methoxychlor	Pump	N	3510/8081	12/13/04	<0.50	ug/l	40	Primary
39400	Toxaphene	Pump	N	3510/8081	12/13/04	<2.4	ug/l	3.0	Primary
39018	Kepone	Pump	N	3510/8081	12/13/04	<10	ug/l	3.0	Primary
	Dilution Factor	Pump	N	3510/8081	12/13/04	1.0			

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: Equipment Blank
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 10:00
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Pesticide Compounds (continued)									
	Surrogate Recoveries:								
	TCMX	Pump	N	3510/8081	12/13/04	68.0	%		
	DCB	Pump	N	3510/8081	12/13/04	46.0	%		
Appendix II Phosphoralated Pesticides									
46314	Dimethoate	Pump	N	3510/8141	12/03/04	<0.26	ug/l	0.10	Guidance
81888	Disulfoton	Pump	N	3510/8141	12/03/04	<0.27	ug/l	0.30	Guidance
38462	Famphur	Pump	N	3510/8141	12/03/04	<0.50	ug/l	3.5	Guidance
39540	Parathion, Ethyl	Pump	N	3510/8141	12/03/04	<0.50	ug/l	42	Guidance
39600	Parathion, Methyl	Pump	N	3510/8141	12/03/04	<0.50	ug/l	42	Guidance
46313	Phorate	Pump	N	3510/8141	12/03/04	<0.50	ug/l	1.4	Guidance
73553	Thionazin	Pump	N	3510/8141	12/03/04	<0.50	ug/l		Guidance
	Dilution Factor	Pump	N	3510/8141	12/03/04	1.0			
	Surrogate Recoveries:								
	Tributylphosphate	Pump	N	3510/8141	12/03/04	90.0	%		
	Triphenylphosphate	Pump	N	3510/8141	12/03/04	100	%		
Appendix II Semi-Volatiles									
81553	Acetophenone	Pump	N	3510/8270	12/03/04	<10	ug/l	700	Guidance
82204	2-Acetylaminofluorene	Pump	N	3510/8270	12/03/04	<10	ug/l		
77581	4-Aminobiphenyl	Pump	N	3510/8270	12/03/04	<10	ug/l		
77147	Benzyl alcohol	Pump	N	3510/8270	12/03/04	<10	ug/l	2100	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: Equipment Blank
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 10:00
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
34278	Bis(2-Chloroethoxy)methane	Pump	N	3510/8270	12/03/04	<10	ug/l		
34273	Bis(2-Chloroethyl) Ether	Pump	N	3510/8270	12/03/04	<3.2	ug/l	4.0	Guidance
73522	Bis(2-Chloro-1-Methylethyl)Et	Pump	N	3510/8270	12/03/04	<10	ug/l		
39100	Bis(2-Ethylhexyl)Phthalate	Pump	N	3510/8270	12/03/04	<4.0	ug/l	6.0	Primary
34636	4-Bromophenylphenylether	Pump	N	3510/8270	12/03/04	<10	ug/l	410	Guidance
34292	Butylbenzylphthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	140	Guidance
77954	p-Chloroaniline	Pump	N	3510/8270	12/03/04	<10	ug/l	28	Guidance
34452	p-Chloro-m-Cresol	Pump	N	3510/8270	12/03/04	<10	ug/l	63	Guidance
34581	2-Chloronaphthalene	Pump	N	3510/8270	12/03/04	<10	ug/l	560	Guidance
34586	2-Chlorophenol	Pump	N	3510/8270	12/03/04	<10	ug/l	35	Guidance
34641	4-Chlorophenyl-phenylether	Pump	N	3510/8270	12/03/04	<10	ug/l		
77151	m-Cresol	Pump	N	3510/8270	12/03/04	<10	ug/l	35	Guidance
77152	o-Cresol	Pump	N	3510/8270	12/03/04	<10	ug/l	35	Guidance
77146	p-Cresol	Pump	N	3510/8270	12/03/04	<3.2	ug/l	4.0	Guidance
73540	Diallate	Pump	N	3510/8270	12/03/04	<4.3	ug/l	0.60	Guidance
81302	Dibenzofuran	Pump	N	3510/8270	12/03/04	<10	ug/l	28	Guidance
39110	Di-N-Butyl Phthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	700	Guidance
34536	o-Dichlorobenzene	Pump	N	3510/8270	12/03/04	<10	ug/l	600	Primary
34566	m-Dichlorobenzene	Pump	N	3510/8270	12/03/04	<8.0	ug/l	10	Guidance
34571	p-Dichlorobenzene	Pump	N	3510/8270	12/03/04	<10	ug/l	75	Primary
34631	3,3'-Dichlorobenzidine	Pump	N	3510/8270	12/03/04	<9.6	ug/l	12	Guidance
34601	2,4-Dichlorophenol	Pump	N	3510/8270	12/03/04	<6.7	ug/l	0.50	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: Equipment Blank
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 10:00
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
77541	2,6-Dichlorophenol	Pump	N	3510/8270	12/03/04	<4.0	ug/l	4.0	Guidance
34336	Diethyl Phthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	5600	Guidance
73558	p-Dimethylaminoazobenzene	Pump	N	3510/8270	12/03/04	<10	ug/l		
73559	7,12-Dimethylbenzo(a)anthrace	Pump	N	3510/8270	12/03/04	<10	ug/l		
NA030	3,3'-Dimethylbenzidine	Pump	N	3510/8270	12/03/04	<200	ug/l	250	Guidance
34606	2,4-Dimethyl Phenol	Pump	N	3510/8270	12/03/04	<10	ug/l	140	Guidance
34341	Dimethyl Phthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	70000	Guidance
45622	m-Dinitrobenzene	Pump	N	3510/8270	12/03/04	<6.4	ug/l	8.0	Guidance
34657	4,6-Dinitro-o-Cresol	Pump	N	3510/8270	12/03/04	<50	ug/l		
34616	2,4-Dinitrophenol	Pump	N	3510/8270	12/03/04	<10	ug/l	14	Guidance
34611	2,4-Dinitrotoluene	Pump	N	3510/8270	12/03/04	<1.3	ug/l	0.10	Guidance
34626	2,6-Dinitrotoluene	Pump	N	3510/8270	12/03/04	<1.3	ug/l	0.10	Guidance
30191	Dinoseb	Pump	N	3510/8270	12/03/04	<6.7	ug/l	7.0	Guidance
34596	Di-N-Octyl Phthalate	Pump	N	3510/8270	12/03/04	<10	ug/l	140	Guidance
77579	Diphenylamine	Pump	N	3510/8270	12/03/04	<10	ug/l	180	Guidance
73571	Ethyl Methanesulfonate	Pump	N	3510/8270	12/03/04	<10	ug/l		
39700	Hexachlorobenzene	Pump	N	3510/8270	12/03/04	<1.4	ug/l	1.0	Primary
34391	Hexachlorobutadiene	Pump	N	3510/8270	12/03/04	<10	ug/l		
34386	Hexachlorocyclopentadiene	Pump	N	3510/8270	12/03/04	<10	ug/l	50	Primary
34396	Hexachloroethane	Pump	N	3510/8270	12/03/04	<2.0	ug/l	2.5	Guidance
73576	Hexachloropropene	Pump	N	3510/8270	12/03/04	<10	ug/l		
34408	Isophorone	Pump	N	3510/8270	12/03/04	<10	ug/l	37	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: Equipment Blank
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 10:00
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
78727	Isosafrole	Pump	N	3510/8270	12/03/04	<10	ug/l		
73589	Methapyrilene	Pump	N	3510/8270	12/03/04	<2000	ug/l		
73591	3-Methylcholanthrene	Pump	N	3510/8270	12/03/04	<10	ug/l		
73595	Methyl Methanesulfonate	Pump	N	3510/8270	12/03/04	<10	ug/l		
77416	2-Methylnaphthalene	Pump	N	3510/8270	12/03/04	<10	ug/l	20	Guidance
73599	1,4-Naphthoquinone	Pump	N	3510/8270	12/03/04	<10	ug/l		
73600	1-Naphthylamine	Pump	N	3510/8270	12/03/04	<10	ug/l		
82191	2-Naphthylamine	Pump	N	3510/8270	12/03/04	<8.0	ug/l	10	Guidance
78142	o-Nitroaniline	Pump	N	3510/8270	12/03/04	<40	ug/l	50	Guidance
78300	m-Nitroaniline	Pump	N	3510/8270	12/03/04	<40	ug/l	50	Guidance
30342	p-Nitroaniline	Pump	N	3510/8270	12/03/04	<17	ug/l	21	Guidance
34447	Nitrobenzene	Pump	N	3510/8270	12/03/04	<3.2	ug/l	4.0	Guidance
34591	o-Nitrophenol	Pump	N	3510/8270	12/03/04	<10	ug/l		
34646	p-Nitrophenol	Pump	N	3510/8270	12/03/04	<45	ug/l	56	Guidance
78200	N-Nitrosodi-n-butylamine	Pump	N	3510/8270	12/03/04	<4.2	ug/l	4.0	Guidance
78200	N-Nitrosodiethylamine	Pump	N	3510/8270	12/03/04	<3.7	ug/l	4.0	Guidance
34438	N-Nitrosodimethylamine	Pump	N	3510/8270	12/03/04	<1.2	ug/l	2.0	Guidance
34433	N-Nitrosodiphenylamine	Pump	N	3510/8270	12/03/04	<4.0	ug/l	7.1	Guidance
34428	N-Nitrosodipropylamine	Pump	N	3510/8270	12/03/04	<3.2	ug/l	4.0	Guidance
73613	N-Nitrosomethylethylamine	Pump	N	3510/8270	12/03/04	<6.4	ug/l	8.0	Guidance
73619	N-Nitrosopiperidine	Pump	N	3510/8270	12/03/04	<10	ug/l		
78206	N-Nitrosopyrolidine	Pump	N	3510/8270	12/03/04	<6.4	ug/l	8.0	Guidance

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: Equipment Blank
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 10:00
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
73622	5-Nitro-o-Toluidine	Pump	N	3510/8270	12/03/04	<10	ug/l		
77793	Pentachlorobenzene	Pump	N	3510/8270	12/03/04	<4.5	ug/l	5.6	Guidance
81316	Pentachloronitrobenzene	Pump	N	3510/8270	12/03/04	<5.1	ug/l	0.50	Guidance
39032	Pentachlorophenol	Pump	N	3510/8270	12/03/04	<8.5	ug/l	1.0	Primary
70003	Phenacetin	Pump	N	3510/8270	12/03/04	<10	ug/l		
34694	Phenol	Pump	N	3510/8270	12/03/04	<1.0	ug/l	10	Guidance
73628	p-Phenylenediamine	Pump	N	3510/8270	12/03/04	<1100	ug/l	1300	Guidance
39080	Pronamide	Pump	N	3510/8270	12/03/04	<10	ug/l	53	Guidance
77545	Safrole	Pump	N	3510/8270	12/03/04	<10	ug/l		
77734	1,2,4,5-Tetrachlorobenzene	Pump	N	3510/8270	12/03/04	<2.8	ug/l	2.1	Guidance
77770	2,3,4,6-Tetrachlorophenol	Pump	N	3510/8270	12/03/04	<50	ug/l	210	Guidance
77142	O-Toluidine	Pump	N	3510/8270	12/03/04	<10	ug/l	150	Guidance
34551	1,2,4-Trichlorobenzene	Pump	N	3510/8270	12/03/04	<10	ug/l	70	Primary
77687	2,4,5-Trichlorophenol	Pump	N	3510/8270	12/03/04	<5.2	ug/l	4.0	Guidance
34621	2,4,6-Trichlorophenol	Pump	N	3510/8270	12/03/04	<4.8	ug/l	3.2	Guidance
NA082	o,o,o-Triethylphosphorothioat	Pump	N	3510/8270	12/03/04	<10	ug/l		
73653	sym-Trinitrobenzene	Pump	N	3510/8270	12/03/04	<170	ug/l	210	Guidance
	Dilution Factor	Pump	N	3510/8270	12/03/04	1.0			
	Surrogate Recoveries:								
	2-Fluorophenol	Pump	N	3510/8270	12/03/04	32.0	%		
	Phenol-d5	Pump	N	3510/8270	12/03/04	21.0	%		
	Nitrobenzene-d5	Pump	N	3510/8270	12/03/04	78.0	%		

Well development: pumping the well prior to sampling to obtain representative ground water samples.

Sumter Cty Landfill

Well Specifications

Diameter (in):	NA
Water Level (ft):	NA
Total Depth (ft):	NA
Column Height (ft):	NA
Column Volume (gal):	NA
Evacuation (gal):	NA
Actual (gal):	NA

Evacuation Method: NA

Sample Appearance

Tint:	NA
Color:	NA
Turbidity:	NA
Odor:	NA

Environmental Conditions

Wind:	NA
Rain:	NA
Air (^C):	NA
Atmosphere:	NA

Other: NA

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility WACS #:
Monitoring Well WACS #:
Well Name: Equipment Blank
Classification of Groundwater: G-II
GW Elevation (NGVD):
or (MSL): NA

Sampling Date/Time: 11/30/2004 10:00
Report Period: Q4 2004
Well Purged: Yes
Well Type:

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date	Analysis Result	Units	MCL	Standard
Appendix II Semi-Volatiles (continued)									
	2-Fluorobiphenyl	Pump	N	3510/8270	12/03/04	74.0	%		
	2,4,6-Tribromophenol	Pump	N	3510/8270	12/03/04	75.0	%		
	Terphenyl-d14	Pump	N	3510/8270	12/03/04	93.0	%		
Metals									
01105	Aluminum	Pump	N	200.8	12/03/04	36	ug/l	200	Secondary
01045	Iron	Pump	N	3010/6010	12/05/04	<0.050	ug/l	300	Secondary
00929	Sodium	Pump	N	3010/6010	12/05/04	<0.50	mg/l	160	Primary
General Chemistry									
00940	Chloride	Pump	N	300.0	12/01/04	<0.50	mg/l	250	Secondary
00620	NO3 as N	Pump	N	300.0	12/01/04	<0.050	mg/l	10	Primary
70300	Total Dissolved Solids	Pump	N	160.1	12/02/04	<10	mg/l	500	Secondary

Well development: pumping the well prior to sampling to obtain representative ground water samples.

2

FIELD SAMPLING LOGS

FIELD LOG

PROJ #: _____ NAME: Dale Clayton

PROJECT NAME: Sumter Co. Landfill DATE: 11/29/04

PROJECT LOCATION: Sumterville, FL

TIME	COMMENTS
0805	On Site. Checked in with Ops Office and picked up well keys.
0815	On location well MW-4A. Dropped off generator and preparing to measure well water levels.
0820	Began measuring well water levels as follows:
	Well # / WL (ft, Toc)
	MW-1 23.10'
	MW-2 21.15'
	MW-2A 24.87'
	MW-4 23.27'
	MW-4A 28.46'
	MW-4B 26.32'
	MW-6A 29.93'
	MW-7 25.88'
	MW-8 20.54'
	MW-9 24.52'
	MW-9A 27.85'
0845	Craig, US Biosystems Lab delivered sample kits.
0850	Craig off site.
0914	Completed measuring well water levels. Returning to well MW-4A.
0928	Set up decon station, preparing to calibrate field meters.
0937	Completed calibration of field meters, see attached calibration log.
1010	Decon'ed equipment IAW OEP-SOP-001/01, FC 1000 and inserted SS Submersible pump and new .5" PE tubing into screened interval. Began purging.
1058	Completed purging MW-4A, preparing to collect samples.
1120	Collected GW samples MW-4A. See attached Groundwater Sampling Log for well data, purge

FIELD LOG

PROJ # _____ NAME: Dale Clayton

PROJECT NAME: Sumter Co. Landfill DATE: 11/29/04

PROJECT LOCATION: Sumterville, FL

TIME	COMMENTS
	Volume calculations, field parameter measurements and sample data.
1135	Decon'ed equipment and moving to well MW-4.
1153	Inserted SS Submersible pump and new PE tubing in well MW-4 to mid screen, began purging @ .25 gpm. See attached Groundwater Sampling Log for Well data, purge volume calculations, field parameter measurements and sample data.
1214	Completed purging MW-4, preparing to collect MW-4 and duplicate samples.
1235	Collected GW Samples MW-4/Dup.
1245	Decon'ed equipment and moving to well MW-4B.
1317	Inserted SS Submersible pump and new 5/8" PE tubing in well MW-4B mid screen and began purging, See attached Groundwater Sampling Log.
1352	Completed purging Well MW-4B.
1410	Collected GW sample MW-4B.
1415	Decon'ed equipment.
1420	U.S. Ecosystems Labs, Craig on site to pick up samples. Delivered DI Water for EQB.
1435	Craig off site.
1455	Packed up equipment and turned well keys over to Opr office, off site.

FIELD LOG

PROJ #: _____ NAME: Dale Clayton

PROJECT NAME: Sumter County Landfill DATE: 11/30/04

PROJECT LOCATION: Sumterville, FL

TIME	COMMENTS
0910	On site. Checked in with QC office and picked up well keys.
0912	Moving to well MW-2.
0915	On location MW-2, setting up decon station
0935	Decon'ed equipment, preparing to collect equipment blank EQB.
1000	Collected EQB samples, see attached Groundwater Sampling Log.
1037	Inserted SS Submersible pump and new PE tubing in well MW-2 to ~30' btoc (mid screen).
1040	Began purging well MW-2, see attached Groundwater Sampling Log for well data, purge volume calculations, field parameter measurements and sample data.
1120	Collected GW Samples MW-2.
1135	Decon'ed equipment and moving to well MW-2A.
1202	Installed SS Submersible pump and new 5" PE tubing in well MW-2A. Will overpurge/ develop until GW comes clean.
1228	Completed purging well MW-2A, see attached Groundwater Sampling Log.
1237	Collected GW Samples MW-2A.
1250	Decon'ed equipment, moving to well MW-6A.
1325	Inserted SS Submersible pump and new PE tubing in well MW-6A mid screen and began purging, see attached Groundwater Sampling Log.
1347	Completed purging MW-6A.
1405	Collected GW Samples MW-6A.
1415	Decon'ed equipment, completed sampling.
1430	Marty, US Biosystems Labs on site to pick up samples.
1440	Marty off site.
1450	Packed up equipment and disposed of used sampling materials, turned in well keys
1500	off site.

DEP-SOP-001/01: Form FD 9000-8 (June 20, 2001)

Field Instrument Calibration Records

INSTRUMENT (MAKE/MODEL#) Horiba U-10 **INSTRUMENT #** _____

PARAMETER: *[check only one]* ICM Turbidimeter

☒ TEMPERATURE ☒ CONDUCTIVITY ☐ SALINITY ☒ pH ☐ ORP

☒ TURBIDITY ☐ RESIDUAL CL ☒ DO ☐ OTHER _____

STANDARDS: *[Specify the type(s) of standards used for calibration, the origin of the standards, the standard values, and the date the standards were prepared or purchased]*

Standard A Calitech Autocal Solution Exp: 10/28/05

Standard B DI Water

Standard C AEPA-1 Secondary Standard 10.37

DATE (yy/mm/dd)	TIME (hr:min)	STD (A, B, C)	STD VALUE	INSTRUMENT RESPONSE	% DEV	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS	
11/29/04	0937	A	4.00	3.98			Init	[illegible]	pH
			4.49	4.49					Cond
			–	11.88					DO
			–	14.2					Temp
		B	0	0					Turb
		C	10.37	10.37					Turb
11/30/04	1037	A	4.00	3.97			Cont	[illegible]	pH
			4.49	4.49					Cond
			–	9.27					DO
			–	20.9					Temp
		B	0	0					Turb
		C	10.37	10.38					Turb

DEP-SOP-001/01
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter Co. Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: MW-2	SAMPLE ID: MW-2	DATE: 11/30/04

PURGING DATA

WELL DIAMETER (inches): 2" PVC	TUBING DIAMETER (inches): .5"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 21.81'	PURGE PUMP TYPE OR BAILER: .5" SS Submersible

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (31.92' feet – 21.81' feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
1 Equip Vol = .02 gallons + (.010 gallons/foot X 35' feet) + 1.25 gallons = 1.62 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 30'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 30'	PURGING INITIATED AT: 1040	PURGING ENDED AT: 1100	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1054	2.38	2.38	.08	22.16'	7.06	28.1	.159	4.08	18.80	clear	None
1057	.24	2.62	.08	22.17'	7.08	28.2	.152	4.58	13.28	clear	None
1100	.24	2.86	.08	22.16'	7.08	28.2	.155	4.40	11.81	clear	None
Packed samples in ice.								No sheen			

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H. L. Clemmons/Golder	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1105	SAMPLING ENDED AT: 1120
PUMP OR TUBING DEPTH IN WELL (feet): 30' btoc	SAMPLE PUMP FLOW RATE (mL per minute): ~250 mL/min	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-2	3	CG	40 mL	HCl	None	—	8260	ESP
	2	AG	1 Ltr	None	None	—	8270	
	2	AG	1 Ltr	None	None	—	8081	
	1	AG	1 Ltr	None	None	—	8141	
	1	AG	1 Ltr	None	None	—	8151	
	1	PE	500 mL	HNO3	None	—	Al, Fe, Mn/Hard	
	1	PE	250 mL	None	None	—	NO3, TDS, Alk	

REMARKS:

1040: Installed SS Submersible pump and new PE tubing to ~ 30' btoc (mid screen) and began purging @ .5 gpm.
1043: Reduced flow to .08 gpm.
1047: WL 22.03' @ .08 gpm.
1051: WL 22.16' @ .08 gpm.

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

DEP-SOP-001/01
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter Co. Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: MW-2A	SAMPLE ID: MW-2A	DATE: 11/30/04

PURGING DATA

WELL DIAMETER (inches): 2" PVC	TUBING DIAMETER (inches): .5"	WELL SCREEN INTERVAL DEPTH: 42 feet to 47 feet	STATIC DEPTH TO WATER (feet): 24.92'	PURGE PUMP TYPE OR BAILER: .5" SS Submersible

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable) 1 Equip Vol = (50.15 feet – 24.92 feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable) 1 Equip Vol = .02 gallons + (.010 gallons/foot X 55' feet) + .25 gallons = .82 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 48'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 48'	PURGING INITIATED AT: 1202	PURGING ENDED AT: 1228	TOTAL VOLUME PURGED (gallons): 15.80

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1222											
1225	15.32	15.32	.08	25.63'	6.75	22.9	.584	.04	13.35	Clear	None
1225	.24	15.56	.08	25.62'	6.75	22.8	.581	.03	6.98	Clear	None
1228	.24	15.80	.08	25.62'	6.75	22.8	.580	.02	6.24	Clear	None
Packed sampler w/ ice.									No sheen		

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H.L. Clanton, Colinas	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1228	SAMPLING ENDED AT: 1237
PUMP OR TUBING DEPTH IN WELL (feet): 48' btoc	SAMPLE PUMP FLOW RATE (mL per minute): VOC's 250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-2A	3	CG	40 mL	HCl	None	—	8260	ESP
	2	AG	1 ltr	None	None	—	8270	
	2	AG	1 ltr	None	None	—	8081	
	1	AG	1 ltr	None	None	—	8041	
	1	AG	1 ltr	None	None	—	8151	
	1	PE	500 mL	HNO3	None	—	Al, Fe, Mn/Hard	
	1	PE	500 mL	None	None	—	NO3, TDS, Alk	

REMARKS:
1202: Installed SS Submersible pump and new PE tubing to ~48' btoc (mid screen). This is a new well, will over purge (elevated turbidity) until GW seems clean. Flow rate ~ 2.25 gpm.
1214: Purged total of 15 gallons, reducing flow to .08 gpm.
1218: WL 25.62' @ .08 gpm
1228: WL 25.62' @ .08 gpm

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

DEP-SOP-001/01
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter Co. Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: MW-4	SAMPLE ID: MW-4/Dup	DATE: 11/29/04

PURGING DATA

WELL DIAMETER (inches): 2" PVC	TUBING DIAMETER (inches): .5"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 23.26'	PURGE PUMP TYPE OR BAILER: 1.5" SS Submersible

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable
= (36.35' feet – 23.26' feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
1 Equip Vol = .02 gallons + (.010 gallons/foot X 42' feet) + .25 gallons = .69 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 34'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 34'	PURGING INITIATED AT: 1153	PURGING ENDED AT: 1214	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/l or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1206	1.38	1.38	.08	23.93'	7.36	27.8	.572	.90	16.36	Clear	None
1210	.32	1.70	.08	23.94'	7.32	27.9	.570	.34	8.89	Clear	None
1214	.32	2.02	.08	23.94'	7.31	27.9	.573	.38	7.01	Clear	None
Packed sample in ice.								No Sheen			

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H.L. Clemons, Colinas	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1216	SAMPLING ENDED AT: 1235
PUMP OR TUBING DEPTH IN WELL (feet): 34' btoc	SAMPLE PUMP FLOW RATE (mL per minute): ~250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: (Y) N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
Dup/ MW-4	3	CG	40 mL	HCl	None	—	8260	ESP
	2	AG	1 Ltr	None	None	—	8270	
	2	AG	1 Ltr	None	None	—	8081	
	1	AG	1 Ltr	None	None	—	8141	
	1	AG	1 Ltr	None	None	—	8151	
	1	PE	500 mL	HNO3	None	—	Al, Fe, Mn/Hard	
	1	PE	500 mL	None	None	—	NO3, TDS, Alk	

REMARKS:

1153: Inserted SS Submersible pump and new .5" PE tubing to ~34' btoc (mid screen) and started pump @ .25 gpm.
1155: Reducing flow to .08 gpm.
1158: WL 23.93' @ .08 gpm.
1202: WL 23.93' @ .08 gpm.

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

DEP-SOP-001/01
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter Co. Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: MW-4A	SAMPLE ID: MW-4A	DATE: 11/29/04

PURGING DATA

WELL DIAMETER (inches): 2" PVC	TUBING DIAMETER (inches): .5	WELL SCREEN INTERVAL DEPTH: 36 feet to 41 feet	STATIC DEPTH TO WATER (feet): 28.48	PURGE PUMP TYPE OR BAILER: 1.5" SS Submersible

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (45.20 feet – 28.48' feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
1 Eqp Vol = .02 gallons + (.010 gallons/foot X 50 feet) + .25 gallons = .77 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 42.5'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 42.5'	PURGING INITIATED AT: 1010	PURGING ENDED AT: 1058	TOTAL VOLUME PURGED (gallons): 14.92 gals

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1034	13	13	.08	28.57	7.13	26.9	.415	1.50	111.7	SI Milky	None
1042	.64	13.64	.08	28.58	7.37	28.3	.412	.84	47.4	SI Milky	None
1050	.64	14.28	.08	28.60	7.39	28.1	.412	.46	40.4	SI Milky	None
1058	.64	14.92	.08	28.59	7.41	28.2	.412	.44	13.9	Clear	None
Packed sampler on ice.								No sheen			

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H.L. Clanton, Cotinas	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1100	SAMPLING ENDED AT: 1120
PUMP OR TUBING DEPTH IN WELL (feet): 42.5' btoc	SAMPLE PUMP FLOW RATE (mL per minute): ~250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

~~Sampling Eqp Code~~ ~~SAMPLE ID CODE~~	SAMPLE CONTAINER SPECIFICATION # CONTAINERS	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	~~Sample INTENDED ANALYSIS AND/OR METHOD~~ ID Code	~~Intended Analysis SAMPLING EQUIPMENT CODE~~ Sample ID Code
ESP	3	CG	40 mL	HCl	None	—	MW-4A	8260
|	2	AG	1 Ltr	None	None	—	|	8270
|	2	AG	1 Ltr	None	None	—	|	8081
|	1	AG	1 Ltr	None	None	—	|	8141
|	1	AG	1 Ltr	None	None	—	|	8151
|	1	PE	500 mL	HNO3	None	—	|	Metals Al, Fe, Mn/Hard
|	1	PE	250 mL	None	None	—	|	NO3, TDS, Alk

REMARKS:
1010: Inserted SS Submersible and new .5" PE tubing to ~ 42.5' btoc and began purging @ .16 gpm.
1014: WL 28.60' @ .16 gpm.
1016: This is a new well and GW is extremely turbid, will DW purge (develop) until GW clears up. Increasing pump rate to 1.0 gpm.
1026: Purged a total of 12 gallons, GW has cleared up, reducing flow to .08 gpm.
1029: WL 28.58' @ .08 gpm.

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

DEP-SOP-001/01
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	Sumter Co. Landfill	SITE LOCATION:	Sumterville, FL
WELL NO:	MW-4B	SAMPLE ID:	MW-4B
DATE:	11/29/04		

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH:	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:
2" PVC		32 feet to 37 feet	26.31'	1.5" SS Submersible

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (40.37' feet – 26.31' feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
1 Equip Vol = .02 gallons + (.010 gallons/foot X 45 feet) + .25 gallons = .72 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
37.5'	37.5'	1317	1352	

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µs/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1340	15.56	15.56	.08	26.42'	9.31	27.3	.245	4.01	9.96	Clear	None
1343	.24	15.80	.08	26.43'	9.37	27.7	.242	3.98	10.39	Clear	None
1346	.24	16.04	.08	26.42'	9.37	27.8	.241	4.31	10.26	Clear	None
1349	.24	16.28	.08	26.42'	9.36	27.7	.240	4.42	11.48	Clear	None
1352	.24	16.52	.08	26.43'	9.35	27.8	.240	4.38	11.70	Clear	None
Packed sampler in ice.									No sheen		

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
H.L. Clayton, Colorus		1355	1410
PUMP OR TUBING DEPTH IN WELL (feet): 37.5' btoc	SAMPLE PUMP FLOW RATE (mL per minute): ~250 mL VOCs	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-4B	3	CG	40 mL	HCl	None	—	8260	ESP
	2	AG	1 Ltr	None	None	—	8270	
	2	AG	1 Ltr	None	None	—	8081	
	1	AG	1 Ltr	None	None	—	8141	
	1	AG	1 Ltr	None	None	—	8151	
	1	PE	500 mL	HNO3	None	—	Al, Fe, MN/Hard	
	1	PE	250 mL	None	None	—	NO3, TDS, Alk	

REMARKS:
1317: Installed SS submersible pump and new PE tubing to ~ 37.5' btoc (mid screen) and began purging @ 1 gpm (this is a new well, will over purge (develop) until GW comes clean, is extremely turbid.
1333: Reduced flow to .08 gpm, GW has cleared up, purged 15 vols total.
1336: WL 26.42' @ .08 gpm.
1339: WL 26.42' @ .08 gpm.

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

DEP-SOP-001/01
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter Co. Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: MW-6A	SAMPLE ID: MW-6A	DATE: 11/30/04

PURGING DATA

WELL DIAMETER (inches): 2" PVC	TUBING DIAMETER (inches): .5"	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 29.96'	PURGE PUMP TYPE OR BAILER: 1.5" SS Submersible

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (50.83' feet – 29.96' feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
1 Equip vol = .02 gallons + (.010 gallons/foot X 65' feet) + .25 gallons = .92 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1341	10.56	10.56	.08	29.98	8.39	26.7	.188	6.95	22.30	Clear	None
1344	.24	10.80	.08	29.98	8.29	26.6	.188	6.84	12.72	Clear	None
1347	.24	11.04	.08	29.97	8.26	26.6	.187	6.87	12.65	Clear	None
								No Sheen			
Packed samples in ice.											

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H.L. Clayton, Colinas	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1350	SAMPLING ENDED AT: 1405
PUMP OR TUBING DEPTH IN WELL (feet): 48' btoc	SAMPLE PUMP FLOW RATE (mL per minute): 250 mL	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-6A	3	CG	40 mL	HCl	None	—	8260	ESP
	2	AG	1 ltr	None	None	—	8270	
	2	AG	1 ltr	None	None	—	8081	
	1	AG	1 ltr	None	None	—	8141	
	1	AG	1 ltr	None	None	—	8151	
	1	PE	500 mL	HNO3	None	—	Al, Fe, Mn/Hard	
	1	PE	250 mL	None	None	—	NOx, TOC, Alk	

REMARKS:
- mid Screen
1325: Inserted SS Submersible pump to ~48' btoc and began purging @ .25 gpm.
1327: GW is extremely turbid, will over purge to clean up turbidity. Purging @ ~~1 gpm~~ 1.2 gpm
1334: Purged 10 gallons, reducing flow to .08 gpm.
1337: WL 29.97 @ .08 gpm.

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

DEP-SOP-001/01
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Sumter Co. Landfill	SITE LOCATION: Sumterville, FL	
WELL NO: NA	SAMPLE ID: EQB	DATE: 11/30/04

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
				DI Water from							
				US Biosystems Lab							

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: H.L. Clanton/Colinas	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 0947	SAMPLING ENDED AT: 1000
PUMP OR TUBING DEPTH IN WELL (feet):	SAMPLE PUMP FLOW RATE (mL per minute): ~250 mL VOCs	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
EQB	3	CG	40 mL	HCl	None	—	8260	ESP
|	2	AG	1 Ltr	None	None	—	8270	|
|	2	AG	1 Ltr	None	None	—	8081	|
|	1	AG	1 Ltr	None	None	—	8141	|
|	1	AG	1 Ltr	None	None	—	8151	|
|	1	PE	500 mL	HNO3	None	—	Al, Fe, Mn/Hard	|
|	1	PE	250 mL	None	None	—	Na, TDS, Alk	|

REMARKS:

Ran DI Water through SS Submersible pump and PE tubing from a deconed 5 gallon PE bucket.

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)y

CHAIN OF CUSTODY RECORD

US BIOSYSTEMS
3231NW 7th Ave, Boca Raton, FL 33431
www.usbiosystems.com

Log#_____ T#S___ Quote:_____ Page___of___

Container Type			
AV	Amber Vial	ES	Encore Sampler
CV	Clear Vial	PPV	Prepreserved vial
P	Plastic	PL C	Plastic container
AL	Amber Liter	PL J	Plastic Jar
CL	Clear Liter	Ziploc	Ziploc bag
AP	Amber Plastic	TEDLAR B	Tedlar bag
AG	Amber Glass	WHIRL P	Whirl pak
SJ	Soil Jar	G	Gallon Jug

Other_____
Size(s): 2oz, 4oz, 8oz, 16oz, 32oz or 1L, 40ml other___
Example: 4ozP = 4oz Plastic, 8ozSJ= 8oz Soil Jar

Matrix Codes*			
SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyte Free H20	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
DW	Drinking Water	PE	Petroleum
SW	Surface Water	O	Other_____ (Please specify)
ML	Misc. Liquid		

Pres/Codes		
A. None	E. HCL	I. Ice
B. HNO3	F. MeOH	J. MCAA
C. H2SO4	G. Na2S2O3	K. Zn Acetate
D. NaOH	H. NaHSO4	O. Other

Company Name: COLINAS GROUP PO#
Address: 504 N. VIRGINIA
City: WINTER PARK State: FL Zip: 32789
Attn: RICK PUTTS Fax# 407-622-8196
email:
Project Name: SUMTER COUNTY LANDFILL Proj #
Sampler Signature: Phone# 407-622-8176

LAB ANALYSIS

	Parameters									EXAMPLE
Sample:										
TRC:										
pH:										
Pres Codes:	EI	AI	AI	AI	AI	BI	AI			
	8260	8270	6010	418.1	8151	PRIORITY POLLUTANT METALS AL, Fe, Mn, HARDNESS	NO3, TDS, ALKALINITY			Diss.8RCRA 6010

ID	Sample Label (Client ID)	Collect Date	Collect Time	Matrix Code*	Field Filtered	Integrity OK(Y/N)	Total # of containers	# of Containers Size/Type									1 16ozP	REMARKS
1	MW-1	6/16/2004	11:35	GW	X		1											
1	MW-4	11/29/04	1235	GW				3 X	3 X	2 X	1 X	1 X	1 X	1 X				
2	MW-4A	|	1120	GW				3 X	2 X	2 X	1 X	1 X	1 X	1 X				
3	MW-4B	|	1410	GW				3 X	2 X	2 X	1 X	1 X	1 X	1 X				
4	Dup	|	—	GW				3 X	2 X	2 X	1 X	1 X	1 X	1 X				
5																		
6																		
7																		
8																		
9																		
0																		

Y/N	Rush Date Required	Short Hold Y✓ N___	QA/QC Report Level None___ 1___ 2___ 3___ Other___	COC OK Y N	Initials	Required State Certification	Coolers #'s
							___ ___ ___ ___ ___

Sent	Relinquished by:	Affiliation	Date	Time	Received by:	Affiliation	Date	Time
KJT		USB	11/29/04	1306		Colinas USB	11/29/04	0845
		Colinas	11/29/04	1420			11/29/04	1420

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?			
Received on Wet Ice? Temp ___°C			
Proper Preservatives Indicated?			
Received within holding time?			
Custody seals Intact?			
Volatile rec'd without headspace?			
Proper Containers Used?			

CLIENTS COPY

CHAIN OF CUSTODY RECORD

US BIOSYSTEMS
3231NW 7th Ave, Boca Raton, FL 33431
www.usbiosystems.com

Log#_____ T#S___ Quote:_____ Page___of___

Company Name: Colinas Group PO#
Address: 515 N. Virginia Ave
City: Winter Park State: FL Zip: 32789
Attn: Rick Potts Fax# 407-622-8196
email:
Project Name: Sumter County Landfill Proj #
Sampler Signature: Phone# 407-622-8196

#	Sample Label (Client ID)	Collect Date	Collect Time	Matrix Code*	Field Filtered	Integrity OK(Y/N)	Total # of containers	Sample	TRC	pH	Pres Codes	Parameters	EXAMPLE Diss.8RCRA 6010
	MW-1	8/16/2004	11:35	GW	X		1					# of Containers / Size/Type	1 16ozP
1	MW-2	11/30/04	1126								EI	8260	3 X
2	MW-2A		1237								AI	8270	2 X
3	MW-6R		1405								AI	8081	2 X
4	EQB		1000								AI	8141	1 X
5											AI	8151	1 X
6											BI	Parameters Al, Fe, Mn, Hard	1 X
7											AI	NO3, TDS, Alk	1 X
8													
9													
0													

Container Types

AV	Amber Vial	ES	Encore Sampler
CV	Clear Vial	PPV	Prepreserved vial
P	Plastic	PL C	Plastic container
AL	Amber Liter	PL J	Plastic Jar
CL	Clear Liter	Ziploc	Ziploc bag
AP	Amber Plastic	TEDLAR B	Tedlar bag
AG	Amber Glass	WHIRL P	Whirl pak
SJ	Soil Jar	G	Gallon Jug

Other_____
Size(s): 2oz, 4oz, 8oz, 16oz, 32oz or 1L, 40ml other___
Example: 4ozP = 4oz Plastic, 8ozSJ= 8oz Soil Jar

Matrix Codes*

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyte Free H20	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
DW	Drinking Water	PE	Petroleum
SW	Surface Water	O	Other_____ (Please specify)
ML	Misc. Liquid		

Pres/Codes

A. None	E. HCL	I. Ice
B. HNO_3	F. MeOH	J. MCAA
C. H_2SO_4	G. $Na_2S_2O_3$	K. Zn Acetate
D. NaOH	H. $NaHSO_4$	O. Other

REMARKS

CLIENTS COPY

Short Hold		QA/QC Report Level	COC OK	Initials	Required State Certification	Coolers #'s
Y/N	Date Required	Y___ N___	None___ 1___ 2___ 3___ Other___	Y N		

Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time
	Colinas	11/30/04	1430	Mark Walker	USB	11/30/04	1430

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?			
Received on Wet Ice? Temp ___°C			
Proper Preservatives Indicated?			
Received within holding time?			
Custody seals Intact?			
Volatile rec'd without headspace?			
Proper Containers Used?			

CHAIN OF CUSTODY RECORD

SHORT HOLD

USBIOSYSTEMS
3231NW 7th Ave, Boca Raton, FL 33431
www.usbiosystems.com

Log# 101993 T#S 4 Quote: _____ Page ___ of ___

Company Name: Colinas Group PO#
Address: 515 N. Virginia Ave
City: Winter Park State: FL Zip: 32789
Attn: Rick Potts Fax# 407-622-8196
email:
Project Name: Sumter County Landfill Proj #
Sampler Signature: Phone# 407-622-8176

LAB ANALYSIS

	Parameters									
Sample	1	1	1	1	1	1	1			
TRC										
pH	Val	7	7	7	7	2	7			
Pres. Codes	EI	AI	AI	AI	AI	AI	AI			
	8260	8270	8081	8141	8151	pp metals Al, Fe, Mn, Hard.	NO3, TDS, Alk			EXAMPLE Diss. 8RCRA 6010

No.	Sample Label (client ID)	Collect Date	Collect Time	Matrix Code*	Field Filtered	Integrity OK (Y/N)	Total # of Containers	# of Containers Size/Type									1 16ozP
Ex	MW-1S	8/16/2004	11:35	GW	X		1										
01	MW-2	11/30/04	1120	GW				3 X	2 X	2 X	1 X	1 X	1 X	1 X			③V ⑥AL ①16P ①32P
02	MW-2A		1232					3 X	2 X	2 X	1 X	1 X	1 X	1 X			
03	MW-6A		1405					3 X	2 X	2 X	1 X	1 X	1 X	1 X			③V ⑤AL ①16P ①32P
04	EQB		1000					3 X	1 X	2 X	1 X	1 X	1 X	1 X			
05																	
06																	
07																	
08																	
09																	
10																	Del. lab

Container Type Codes

VA	Vial	ES	Encore Sampler
VB	Preserved Vial	PPV	Prepreserved vial
P	Plastic	PL C	Plastic container
AL	Amber Liter	PL J	Plastic Jar
CL	Clear Liter	Ziploc	Ziploc bag
AP	Amber Plastic	TEDLAR B	Tedlar bag
AG	Amber Glass	WHIRL P	Whirl pak
SJ	Soil Jar	G	Gallon Jug

Other_____
Size(s): 2oz, 4oz, 8oz, 16oz, 32oz or 1L, 40ml other___
Example: 4ozP = 4oz Plastic, 8ozSJ= 8oz Soil Jar

Matrix Codes*

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyte Free H20	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
DW	Drinking Water	PE	Petroleum
SW	Surface Water	O	Other_____
ML	Misc. Liquid		(Please specify)

37

Pres/Codes

A. None	E. HCL	I. Ice
B. HNO_3	F. MeOH	J. MCAA
C. H_2SO_4	G. $Na_2S_2O_3$	K. Zn Acetate
D. NaOH	H. $NaHSO_4$	O. Other

REMARKS

ORIGINAL

Rush	Date Required	Y / N	QA/QC Report Level	COC Y/N	Initials	Required State Certification	Cooler Temp
Y/N		Y___ N___	None___ 1___ 2___ 3___ Other___	Y N	IVB		___ ___ ___ ___

Item	Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time
	Mary Walker	Colinas	11/30/04	1430	Mark Walker	USB	11/30/04	14:30
	Mary Walker	USB	11/30/04	1700	Courier	VE	11/30/04	1700
					Kenneth	USB	12/1/04	1518

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival? 2°			
Received on Wet Ice? Temp ___°C			
Proper Preservatives Indicated?			
Received within holding time?			
Custody seals Intact?			
Volatile rec'd without headspace?			
Proper Containers Used?			

CHAIN OF CUSTODY RECORD

USBIOSYSTEMS
3231NW 7th Ave, Boca Raton, FL 33431
www.usbiosystems.com

Log# 101925 T#S 4 Quote: _____ PO# _____

SHORT HOLD

Company Name:	COLINAS GROUP	PO#	
Address:	504 N. VIRGINIA		
City:	WINTER PARK	State: FL	Zip: 32789
Attn:	RICK PUTTS	Fax#	407-622-8196
email:			
Project Name	SUMTER COUNTY LANDFILL	Proj #	
Sampler Signature:		Phone#	407-622-8176

LAB ANALYSIS

#	Sample ID (Client ID)	Collect Date	Collect Time	Matrix Code*	Field Filtered	Integrity OK(Y/N)	Total # of containers	Parameters									EXAMPLE # Diss. 8RCRA 6010	# of Containers Size/Type
								8260	8270	8151	8141	8151	PRESENT/POT. METALS AL, Fe, Mn, HARDNESS	NO3, TDS, ALKALINITY				1 16ozP
Ice	MW-15	11/16/2004	11:35	GW	X		1											
01	MW-4	11/29/04	1235	GW				3 X	2 X	2 X	1 X	1 X	1 X	1 X		6	3	1
02	MW-4A	|	1120	GW				3 X	2 X	2 X	1 X	1 X	1 X	1 X				
03	MW-4B	|	1410	GW				3 X	2 X	2 X	1 X	1 X	1 X	1 X		↓		
04	Dup	|	—	GW				3 X	2 X	2 X	1 X	1 X	1 X	1 X		5	3	1
5																		
6																		
7																		
8																		
9																		
0																		

Container Type Codes

AV	Amber Vial	ES	Encore Sampler
CV	Clear Vial	PPV	Prepreserved vial
P	Plastic	PL C	Plastic container
A	Amber Liter	PL J	Plastic Jar
C	Clear Liter	Ziploc	Ziploc bag
CP	Clear Plastic	TEDLAR B	Tedlar bag
AG	Amber Glass	WHIRL P	Whirl pak
SJ	Soil Jar	G	Gallon Jug

Other_____
Size(s): 2oz, 4oz, 8oz, 16oz, 32oz or 1L, 40ml other____
Example: 4ozP = 4oz Plastic, 8ozSJ= 8oz Soil Jar

Matrix Codes*

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludge
EFF	Effluent	SO	Soil Sediment
AFW	Analyte Free H20	AQ	Aqueous
WW	Waste Water	NA	Nonaqueous
DW	Drinking Water	PE	Petroleum
SW	Surface Water	O	Other_____
ML	Misc. Liquid		(Please specify)

33

Pres/Codes

A. None	E. HCL	I. Ice
B. HNO3	F. MeOH	J. MCAA
C. H2SO4	G. Na2S2O3	K. Zn Acetate
D. NaOH	H. NaHSO4	O. Other

REMARKS

del. lab

ORIGINAL

Samples Y/N	Date Required	Short Hold Y/N	QA/QC Report Level	COC OK Y/N	Initials	Required State Certification	Temp. of Coolers upon Receipt
Y		Y ✓ N	None 1 2 3 Other	Y	JNB		

Item	Relinquished by:	Affiliation	Date	Time	Received by	Affiliation	Date	Time
1ST		USB	11/29/04	1300		Colinas	11/29/04	0845
		Colinas	11/29/04	1420		USB	11/29/04	1426
		USB	11/29/04	1700		VE	11/29/04	1700
		VE	11/30/04			USB	11/30/04	1155

Lab Use Only

	Yes	No	N/A
Sample INTACT upon arrival?	Y		
Received on Wet Ice? Temp ___°C			
Proper Preservatives Indicated?			
Received within holding time?			
Custody seals Intact?			
Volatile rec'd without headspace?			
Proper Containers Used?			

3

MONITORING WELL CONSTRUCTION RECORDS

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date
DEP Application No.
(Filled in by DEP)

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

MONITOR WELL COMPLETION REPORT

DATE: January 16, 2004

INSTALLATION NAME: Sumter County Closed Landfill

DEP PERMIT NUMBER: 22926-003-SF GMS NUMBER:

WELL NUMBER: MW-2A WELL NAME: MW-2A

DESIGNATION: Background Immediate Compliance Other (PCAP)

LATITUDE/LONGITUDE: N284431.89308 / W820528.28373

AQUIFER MONITORED: Floridan

INSTALLATION METHOD: Hollow-stem auger

INSTALLED BY: Environmental Drilling Services, Inc.

TOTAL DEPTH: 47 ft. (bls) DEPTH OF SCREEN: 42 – 47 ft. (bls)

SCREEN LENGTH: 5 ft. SCREEN SLOT SIZE: 0.010 in. SCREEN TYPE: Sch 40 PVC

CASING DIAMETER: 2 in. CASING TYPE: Sch 40 PVC

LENGTH OF CASING: 42 ft. FILTER PACK MATERIAL: 20/30 silica sand

TOP OF CASING ELEVATION (MSL): 77.21 ft.

GROUND SURFACE ELEVATION (MSL): 69.35 ft.

COMPLETION DATE: November 16, 2004

DESCRIBE WELL DEVELOPMENT: Pump and surge with electric submersible pump.

POST DEVELOPMENT WATER LEVER ELEVATION (MSL): 47.24 ft.

DATE AND TIME MEASURED: 11-29-04 0935

REMARKS: (soils information, stratigraphy, etc.) : See attached geologist's log.

REPORT PREPARED BY: Richard L. Potts, Jr., P.G. / The Colinas Group, Inc. / (407) 622-8176
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface

ENVIRONMENTAL DRILLING SERVICE, INC.

WELL COMPLETION LOG

Location:. Sumter County Landfill
Bushnell FL

Work Order # 4970

Client:. Colinas Group

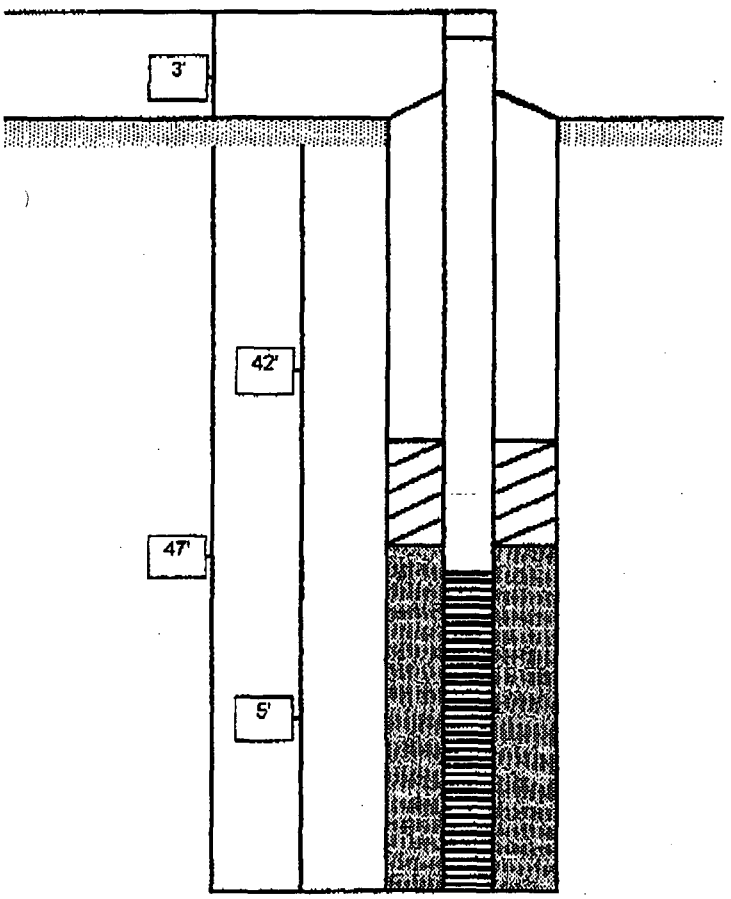
Date: November 16th, 2004

Well No. MW# 2A

Contact: Rick Potts

Installed By: Mike Miller

Other Services Performed:



____ Flush Manhole

X Above Grade Protector

____ None

Concrete 2 Bags

Cement Grout 6 Bags

Riser: Type PVC
Size 2"

Seal 1 bag 30/65

Screen: Type PVC
Size 2" .010 slot

Filter Type 4 bags 20/30

Development: Bailed ____ Pumped X Air Lift ____ Surge ____ Swab ____ None ____

Total Time: 30 minutes

Total Gallons: 45 gallons

Water Appearance Start: cloudy

Finish: clear

LOG OF BORINGS

Location: Sumter County Landfill
Bushnell FL.
Client: Colinas Group
Work Order # 4970
Sample Method: Splitspoon
Static water Level: 23'

Driller Mike Miller
Drill Crew Cory, John
Boring begin date November 16th, 2004
Boring # MW# 2A
Boring Method: Auger **Rig:** BK-81

Sample #	Sample Depth	N. Value	Sample Type	Water Presence	Description/remarks
1	8-10'	5,4,4,6	Splitspoon	Dry	Lt. Brn. Tan Fn. Sand
2	13-15'	5,6,8,8			Dk. Brn Fn. Organic Sand
3	18-20'	4,4,3,4			Tan/White Fn. Sand
4	23-25'	8,11,12,15		Wet	Tan Clayey Fn. Sand
5	28-30'	6,7,5,7			Tan Clayey Sand
6	33-35'	1,3,6,5			
7	38-40'	1,1,1,1			Limestone
8	43-45'	3,3,7,9			45.0' EOB

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date
DEP Application No. (Filled in by DEP)

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

MONITOR WELL COMPLETION REPORT

DATE: January 16, 2004

INSTALLATION NAME: Sumter County Closed Landfill

DEP PERMIT NUMBER: 22926-003-SF GMS NUMBER:

WELL NUMBER: MW-4A WELL NAME: MW-4A

DESIGNATION: Background Immediate Compliance Other (PCAP)

LATITUDE/LONGITUDE: N284439.19336 / W820527.79582

AQUIFER MONITORED: Floridan

INSTALLATION METHOD: Hollow-stem auger

INSTALLED BY: Environmental Drilling Services, Inc.

TOTAL DEPTH: 41 ft. (bls) DEPTH OF SCREEN: 36 - 41 ft. (bls)

SCREEN LENGTH: 5 ft. SCREEN SLOT SIZE: 0.010 in. SCREEN TYPE: Sch 40 PVC

CASING DIAMETER: 2 in. CASING TYPE: Sch 40 PVC

LENGTH OF CASING: 36 ft. FILTER PACK MATERIAL: 20/30 silica sand

TOP OF CASING ELEVATION (MSL): 75.73 ft.

GROUND SURFACE ELEVATION (MSL): 72.78 ft.

COMPLETION DATE: November 15, 2004

DESCRIBE WELL DEVELOPMENT: Pump and surge with electric submersible pump.

POST DEVELOPMENT WATER LEVER ELEVATION (MSL): 47.27 ft.

DATE AND TIME MEASURED: 11-29-04 1005

REMARKS: (soils information, stratigraphy, etc.) : See attached geologist's log.

REPORT PREPARED BY: Richard L. Potts, Jr., P.G. / The Colinas Group, Inc. / (407) 622-8176
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface

ENVIRONMENTAL DRILLING SERVICE, INC.

WELL COMPLETION LOG

Location:. Sumter County Landfill
Bushnell FL

Work Order # 4970

Client:. Colinas Group

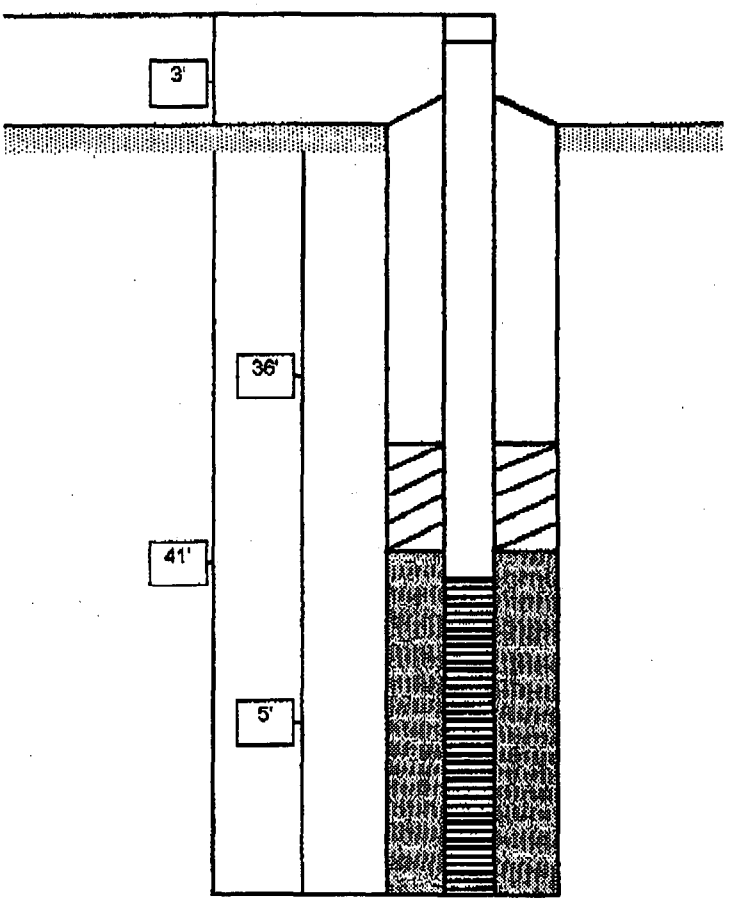
Date: November 15th, 2004

Well No. MW# 4A

Contact: Rick Potts

Installed By: Mike Miller

Other Services Performed:



____ Flush Manhole

__X__ Above Grade Protector

____ None

Concrete 2 Bags

Cement Grout 8 Bags

Riser: Type PVC
Size 2"

Seal 1 bag 30/65

Screen: Type PVC
Size 2".010 slot

Filter Type 4 bags 20/30

Development: Bailed ____ Pumped __X__ Air Lift ____ Surge ____ Swab ____ None ____

Total Time: 30 minutes

Total Gallons: 45 gallons

Water Appearance Start: cloudy

Finish: clear

LOG OF BORINGS

Location: Sumter County Landfill
Bushnell FL.
Client: Colinas Group
Work Order # 4870
Sample Method: Splitspoon
Static water Level: 23'

Driller Mike Miller
Drill Crew Cory, John
Boring begin date November 15th, 2004
Boring # MW# 4A
Boring Method: Auger **Rig:** BK-81

Sample #	Sample Depth	N. Value	Sample Type	Water Presence	Description/remarks
1	8-10'	4,4,5,5	Splitspoon	Dry	Tan Fn. Sand
2	13-15'	3,4,4,5			Reddish Brn. Silty Sand
3	18-20'	12,13,12,13			White Fn. Sand
4	23-25'	5,4,4,5		Wet	Tan Clay Tr. Sand
5	28-30'	3,2,3,3			Tan Clayey Sand
6	33-35'	3,3,4,50+			Limestone
7	38-40'	28,50,100+			Limestone 40.0' EOB

Environmental Drilling Service, Inc.

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date _____
DEP Application No. _____ (Filled in by DEP)

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

MONITOR WELL COMPLETION REPORT

DATE: January 16, 2004

INSTALLATION NAME: Sumter County Closed Landfill

DEP PERMIT NUMBER: 22926-003-SF GMS NUMBER: _____

WELL NUMBER: MW-4B WELL NAME: MW-4B

DESIGNATION: Background _____ Immediate _____ Compliance Other (PCAP)

LATITUDE/LONGITUDE: N284440.46248 / W820527.01841

AQUIFER MONITORED: Floridan

INSTALLATION METHOD: Hollow-stem auger

INSTALLED BY: Environmental Drilling Services, Inc.

TOTAL DEPTH: 37 ft. (bls) DEPTH OF SCREEN: 32 – 37 ft. (bls)

SCREEN LENGTH: 5 ft. SCREEN SLOT SIZE: 0.010 in. SCREEN TYPE: Sch 40 PVC

CASING DIAMETER: 2 in. CASING TYPE: Sch 40 PVC

LENGTH OF CASING: 32 ft. FILTER PACK MATERIAL: 20/30 silica sand

TOP OF CASING ELEVATION (MSL): 73.83 ft.

GROUND SURFACE ELEVATION (MSL): 70.83 ft.

COMPLETION DATE: November 16, 2004

DESCRIBE WELL DEVELOPMENT: Pump and surge with electric submersible pump.

POST DEVELOPMENT WATER LEVER ELEVATION (MSL): 45.60 ft.

DATE AND TIME MEASURED: 01-18-05 0910

REMARKS: (soils information, stratigraphy, etc.) : See attached geologist's log.

REPORT PREPARED BY: Richard L. Potts, Jr., P.G. / The Colinas Group, Inc. / (407) 622-8176
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface

ENVIRONMENTAL DRILLING SERVICE, INC.
WELL COMPLETION LOG

Location:. Sumter County Landfill
Bushnell FL.

Work Order # 4970

Client:. Colinas Group

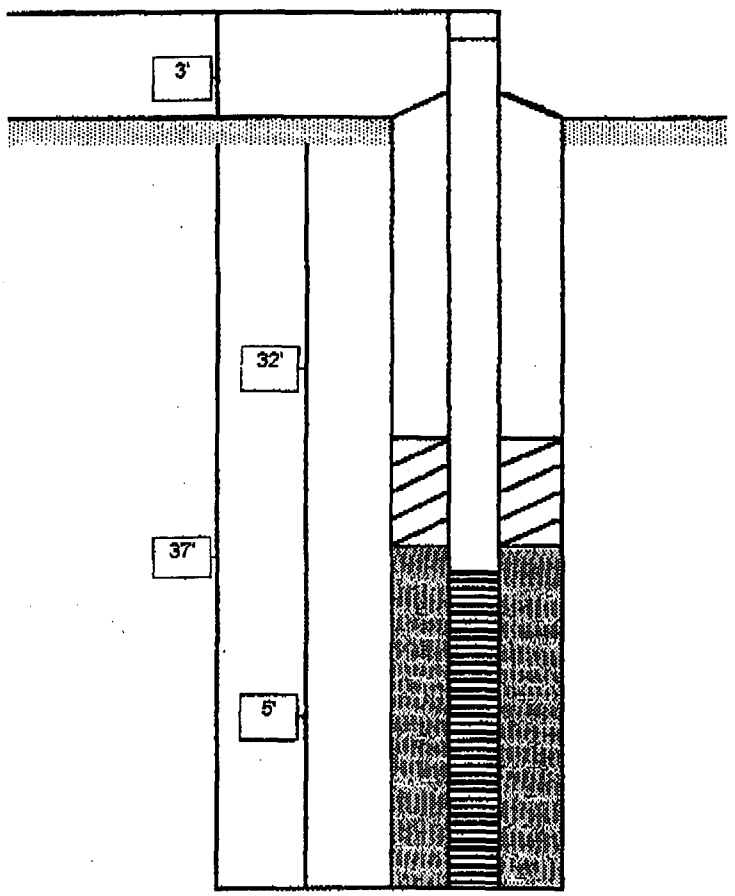
Date: November 15th, 2004

Well No. MW# 4B

Contact: Rick Potts

Installed By: Mike Miller

Other Services Performed:



____ Flush Manhole

__X__ Above Grade Protector

____ None

Concrete 2 Bags

Cement Grout 6 Bags

Riser: Type PVC
Size 2"

Seal 1 bag 30/65

Screen: Type PVC
Size 2" .010 slot

Filter Type 10 bags 20/30

Development: Bailed ____ Pumped X Air Lift ____ Surge ____ Swab ____ None ____

Total Time: 30 minutes

Total Gallons: 45 gallons

Water Appearance Start: cloudy

Finish: clear

LOG OF BORINGS

Location: Sumter County Landfill
Bushnell FL
Client: Colinas Group
Work Order # 4970
Sample Method: Splitspoon
Static water Level: 23'

Driller Mike Miller
Drill Crew Cory, John
Boring begin date November 15th, 2004
Boring # MW# 4B
Boring Method: Auger **Rig:** BK-81

Sample #	Sample Depth	N. Value	Sample Type	Water Presence	Description/remarks
1	8-10'	8,5,5,7	Splitspoon	Dry	Brn. Fn. Silty Sand
2	13-15'	13,9,12,11			Brn/Dk.Brn fn. Sandy Clay
3	18-20'	7,10,15,12			Tan/White Clay Tr. Sand
4	23-25'	1,3,1,1		Wet	White/Tan Sand
5	28-30'	1,1,1,1			Tan Clayey Sand
6	33-35'	47,41,43,35			Limestone

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date
DEP Application No.
(Filled in by DEP)

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

MONITOR WELL COMPLETION REPORT

DATE: September 8, 2004

INSTALLATION NAME: Sumter County Closed Landfill

DEP PERMIT NUMBER: 22926-003-SF GMS NUMBER:

WELL NUMBER: MW-9A WELL NAME: MW-9A

DESIGNATION: Background Immediate Compliance X

LATITUDE/LONGITUDE:

AQUIFER MONITORED: Upper Floridan

INSTALLATION METHOD: Hollow-Stem Auger

INSTALLED BY: Environmental Drilling Service, Inc., Orlando, Florida

TOTAL DEPTH: 48.0 ft. (bls) DEPTH OF SCREEN: 48.0 ft. (bls)

SCREEN LENGTH: 10.0 ft. SCREEN SLOT SIZE: 0.010 in. SCREEN TYPE: PVC

CASING DIAMETER: 2.0 in. CASING TYPE: PVC

LENGTH OF CASING: 38.0 ft. bls FILTER PACK MATERIAL: 20/30 silica sand

TOP OF CASING ELEVATION (MSL): 74.26 ft. + NGVD

GROUND SURFACE ELEVATION (MSL): 72.91 ft. + NGVD

COMPLETION DATE: August 19, 2004

DESCRIBE WELL DEVELOPMENT: Pump and surge with electric submersible pump

POST DEVELOPMENT WATER LEVER ELEVATION (MSL): 38.06 ft. + NGVD

DATE AND TIME MEASURED: August 20, 2004 / 0935 hrs.

REMARKS: (soils information, stratigraphy, etc.) : Top of limestone (weathered) encountered at about 36 ft. to 38 ft. bls. Soft limestone from 38 ft. to 42 ft. bls. Refusal at 45 ft. bls.

REPORT PREPARED BY: Richard L. Potts,. Jr., P.G. / The Colinas Group, Inc. / (407) 622-8176
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface

GROUNDWATER MONITORING WELL
COMPLETION REPORT

Date: September 8, 2004

Facility Name: Sumter County Landfill

835 C.R.529, Bushnell, Fl

FDEP Permit Number: 22926-003-SF

Well No.: MW-9A

Well Type: Groundwater Monitoring

Date Installed: 8-19-04

Drilling Method: Hollow-Stem Auger

Record By: Richard L. Potts, Jr., P.G.

The Colinas Group, Inc.

Installed By: Environmental Drilling Svs., Inc.

Orlando, Florida

Casing Dia: 2 inches

Casing Type: Sched. 40 PVC

Total Depth: 48.0 ft.

Borehole Dia: nom. 6"

Screen Type: Sched. 40 PVC

Screen Length: 10 ft.

Screen Slot-Size: 0.010"

Screen Interval: 38.0 To 48.0 (feet bls).

Gravel Pack: Type: 20/30 silica sand

From: 36.0 To 48.0 (feet bls).

Annular Grout: Type: neat cement (II)

From: 0.0 To 36.0 (feet bls).

Measuring Point: top of casing

Measuring Point Elev.: 74.26 (ft.NGVD)

Well Development Method: Pump and surge

Aquifer Monitored: Upper Floridan

Attach As-Built Well Construction Diagram

The COLINAS Group, Inc.
Winter Park - Lakeland - Sarasota
Voice: (407)622-8176 Fax: (407)622-8196

ENVIRONMENTAL DRILLING SERVICE, INC.
WELL COMPLETION LOG

Location:. Sumter County Landfill — Work Order # 4866

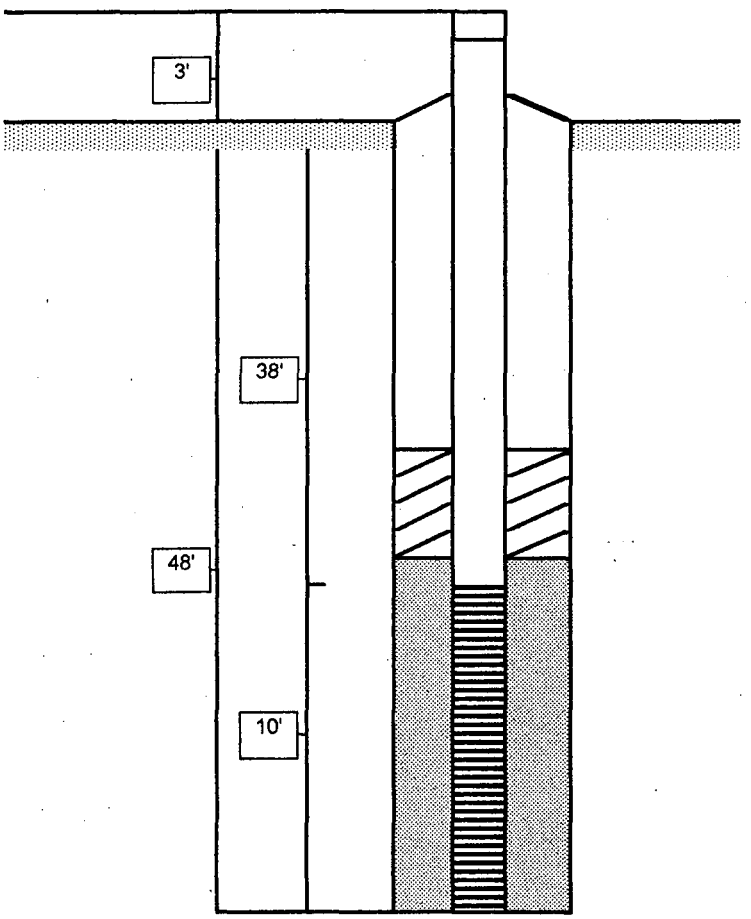
835 CR. 529, Bushnell FL.

Client:. Colinas Group — Date: August 19,2004

Well No. MW#-9A — Contact: Rick Potts

Installed By: Mike Miller, Cory, Stephen

Other Services Performed:



____ Flush Manhole

__X__ Above Grade Protector

____ None

Concrete 2 Bags

Cement Grout 6 Bags

Riser: Type PVC
Size 2"

Seal 1 bag 30/65 Sand

Screen: Type PVC
Size 2" .010 slot

Filter Type 10 bags 20/30 Sand

Development: Bailed ____ Pumped __X__ Air Lift ____ Surge ____ Swab ____ None ____

Total Time: 30 minutes — Total Gallons: 10 gallons, slow recharge

Water Appearance Start: cloudy — Finish: clear

LOG OF BORINGS

Location:	Sumter County Landfill	**Driller**	Mike Miller
	Bushnell FL.	**Drill Crew**	Cory, Stephen
Client:	Colinas Group	**Boring begin date**	8/18/2004
Work Order #	4866	**Boring #**	MW-9A
Sample Method:	Split Spoon	**Boring Method:**	Auger **Rig:** BK-81
Static water Level:	37'		

Sample #	Sample Depth	N. Value	Sample Type	Water Presence	Description/remarks
1	10-12'	2,3,3,1	Split spoon		Brn. Med./fn. Sandw/ Lt. Gr/Brn Clay l
2	15-17'	4,6,6,6			Red Gr. Clay
3	20-22'	31,50+			Lt. Gr./Brn Fn Sand
4	25-27'	7,11,18,15			Lt. Gr. Sandy Clay
5	30-32'	8,14,16,18			Same
6	35-37'	5,5,7,8		Wet	Lt./Gr Sandy Clay w/Limestone Frag.
7	40-42'	1,1,1,1			Limestone
8	45-47'	50+			Same 47.0' EOB

Environmental Drilling Service, Inc.

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date
DEP Application No.
(Filled in by DEP)

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

MONITOR WELL COMPLETION REPORT

DATE: September 8, 2004

INSTALLATION NAME: Sumter County Closed Landfill

DEP PERMIT NUMBER: 22926-003-SF GMS NUMBER:

WELL NUMBER: MW-10 WELL NAME: MW-10

DESIGNATION: Background Immediate Compliance X

LATITUDE/LONGITUDE:

AQUIFER MONITORED: Upper Floridan

INSTALLATION METHOD: Hollow-Stem Auger

INSTALLED BY: Environmental Drilling Service, Inc., Orlando, Florida

TOTAL DEPTH: 42.0 ft. (bls) DEPTH OF SCREEN: 42.0 ft. (bls)

SCREEN LENGTH: 10.0 ft. SCREEN SLOT SIZE: 0.010 in. SCREEN TYPE: PVC

CASING DIAMETER: 2.0 in. CASING TYPE: PVC

LENGTH OF CASING: 32.0 ft. bls FILTER PACK MATERIAL: 20/30 silica sand

TOP OF CASING ELEVATION (MSL): 68.28 ft. + NGVD

GROUND SURFACE ELEVATION (MSL): 65.74 ft. + NGVD

COMPLETION DATE: August 19, 2004

DESCRIBE WELL DEVELOPMENT: Pump and surge with electric submersible pump

POST DEVELOPMENT WATER LEVER ELEVATION (MSL): 34.63 ft. + NGVD

DATE AND TIME MEASURED: August 20, 2004 / 1125 hrs.

REMARKS: (soils information, stratigraphy, etc.) : Top of limestone (weathered) encountered at about 29.0 ft. bls. Soft limestone from 29 ft. to 33 ft. bls. Hard competent limestone encountered from 33 ft. to 40 ft. bls.

REPORT PREPARED BY: Richard L. Potts, Jr., P.G. / The Colinas Group, Inc. / (407) 622-8176
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface

GROUNDWATER MONITORING WELL
COMPLETION REPORT

Date: September 8, 2004

Facility Name: Sumter County Landfill

835 C.R.529, Bushnell, Fl

FDEP Permit Number: 22926-003-SF

Well No.: MW-10 Well Type: Groundwater Monitoring

Date Installed: 8-19-04 Drilling Method: Hollow-Stem Auger

Record By: Richard L. Potts, Jr., P.G. Installed By: Environmental Drilling Svs., Inc.

The Colinas Group, Inc., Orlando, Florida

Casing Dia: 2 inches Casing Type: Sched. 40 PVC Total Depth: 42.0 ft.

Borehole Dia: nom. 6" Screen Type: Sched. 40 PVC Screen Length: 10 ft.

Screen Slot-Size: 0.010" Screen Interval: 32.0 To 42.0 (feet bls).

Gravel Pack: Type: 20/30 silica sand From: 30.0 To 42.0 (feet bls).

Annular Grout: Type: neat cement (II) From: 0.0 To 30.0 (feet bls).

Measuring Point: top of casing Measuring Point Elev.: 68.28 (ft.NGVD)

Well Development Method: Pump and surge

Aquifer Monitored: Upper Floridan

Attach As-Built Well Construction Diagram

The COLINAS Group, Inc.
Winter Park - Lakeland - Sarasota
Voice: (407)622-8176 Fax: (407)622-8196

ENVIRONMENTAL DRILLING SERVICE, INC.
WELL COMPLETION LOG

Location:. Sumter County Landfill — Work Order # 4866

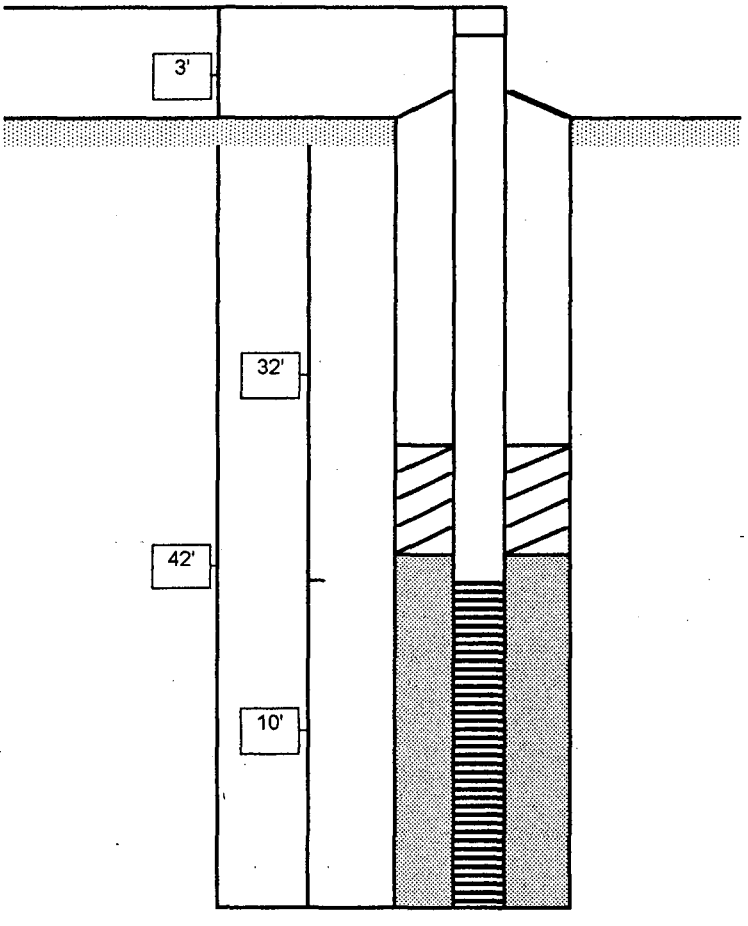
835 CR. 529, Bushnell FL.

Client:. Colinas Group — Date: August 19,2004

Well No. MW#-10 — Contact: Rick Potts

Installed By: Mike Miller, Cory, Stephen

Other Services Performed:



____ Flush Manhole

X Above Grade Protector

____ None

Concrete 2 Bags

Cement Grout 6 Bags

Riser: Type PVC
Size 2"

Seal 1 bag 30/65 Sand

Screen: Type PVC
Size 2" .010 slot

Filter Type 26 bags 20/30 Sand

Development: Bailed ____ Pumped X Air Lift ____ Surge ____ Swab ____ None ____

Total Time: 30 minutes — Total Gallons: 45 gallons

Water Appearance Start: cloudy — Finish: clear

LOG OF BORINGS

Location:	Sumter County Landfill	**Driller**	Mike Miller
	Bushnell FL.	**Drill Crew**	Cory, Stephen
Client:	Colinas Group	**Boring begin date**	8/18/2004
Work Order #	4866	**Boring #**	MW-10
Sample Method:	Split Spoon	**Boring Method:**	Auger **Rig:** BK-81
Static water Level:	31'		

Sample #	Sample Depth	N. Value	Sample Type	Water Presence	Description/remarks
1	10-12'	1,8,10,12	Split spoon	Dry	Brn. Med./fn. Sandw/ Lt. Gr/Brn Clay l
2	15-17'	10,10,12,13			Dk. Gr. Silty Clay Sand
3	20-22'	20,26,18,22			Tan/Lt.Gr. Sandy Clay
4	25-27'	6,12,12,15			Stiff Tan Clay
5	30-32'	3,2,1,3			Empty
6	35-37'	24,26,50+		Wet	Limestone
7	40-42'	18,10,1,1			Limestone 42.0' EOB

Environmental Drilling Service, Inc.

DEP Form # 62-522.900(3)
Form Title MONITOR WELL COMPLETION REPORT
Effective Date _____
DEP Application No. _____ (Filled in by DEP)

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

MONITOR WELL COMPLETION REPORT

DATE: September 8, 2004

INSTALLATION NAME: Sumter County Closed Landfill

DEP PERMIT NUMBER: 22926-003-SF GMS NUMBER: _____

WELL NUMBER: MW-11 WELL NAME: MW-11

DESIGNATION: Background _____ Immediate _____ Compliance X

LATITUDE/LONGITUDE: _____

AQUIFER MONITORED: Upper Floridan

INSTALLATION METHOD: Hollow-Stem Auger

INSTALLED BY: Environmental Drilling Service, Inc., Orlando, Florida

TOTAL DEPTH: 37.0 ft. (bls) DEPTH OF SCREEN: 37.0 ft. (bls)

SCREEN LENGTH: 10.0 ft. SCREEN SLOT SIZE: 0.010 in. SCREEN TYPE: PVC

CASING DIAMETER: 2.0 in. CASING TYPE: PVC

LENGTH OF CASING: 27.0 ft. bls FILTER PACK MATERIAL: 20/30 silica sand

TOP OF CASING ELEVATION (MSL): 70.21 ft. + NGVD

GROUND SURFACE ELEVATION (MSL): 66.85 ft. + NGVD

COMPLETION DATE: August 19, 2004

DESCRIBE WELL DEVELOPMENT: Pump and surge with electric submersible pump

POST DEVELOPMENT WATER LEVER ELEVATION (MSL): 36.67 ft. + NGVD

DATE AND TIME MEASURED: August 20, 2004 / 1215 hrs.

REMARKS: (soils information, stratigraphy, etc.) : Top of limestone (weathered) encountered at about 28.0 ft. bls. Hard to medium hard competent limestone from 30 ft. to 42 ft. bls.

REPORT PREPARED BY: Richard L. Potts,. Jr., P.G. / The Colinas Group, Inc. / (407) 622-8176
(name, company, phone number)

NOTE: PLEASE ATTACH BORING LOG.

(bls)= Below Land Surface

GROUNDWATER MONITORING WELL
COMPLETION REPORT

Date: September 8, 2004

Facility Name: Sumter County Landfill

835 C.R.529, Bushnell, Fl

FDEP Permit Number: 22926-003-SF

Well No.: MW-11 Well Type: Groundwater Monitoring

Date Installed: 8-19-04 Drilling Method: Hollow-Stem Auger

Record By: Richard L. Potts, Jr., P.G. Installed By: Environmental Drilling Svs., Inc.

The Colinas Group, Inc., Orlando, Florida

Casing Dia: 2 inches Casing Type: Sched. 40 PVC Total Depth: 37.0 ft.

Borehole Dia: nom. 6" Screen Type: Sched. 40 PVC Screen Length: 10 ft.

Screen Slot-Size: 0.010" Screen Interval: 27.0 To 37.0 (feet bls).

Gravel Pack: Type: 20/30 silica sand From: 25.0 To 37.0 (feet bls).

Annular Grout: Type: neat cement (II) From: 0.0 To 25.0 (feet bls).

Measuring Point: top of casing Measuring Point Elev.: 70.21 (ft.NGVD)

Well Development Method: Pump and surge

Aquifer Monitored: Upper Floridan

Attach As-Built Well Construction Diagram

The COLINAS Group, Inc.
Winter Park - Lakeland - Sarasota
Voice: (407)622-8176 Fax: (407)622-8196

ENVIRONMENTAL DRILLING SERVICE, INC.
WELL COMPLETION LOG

Location:. Sumter County Landfill — Work Order # 4866

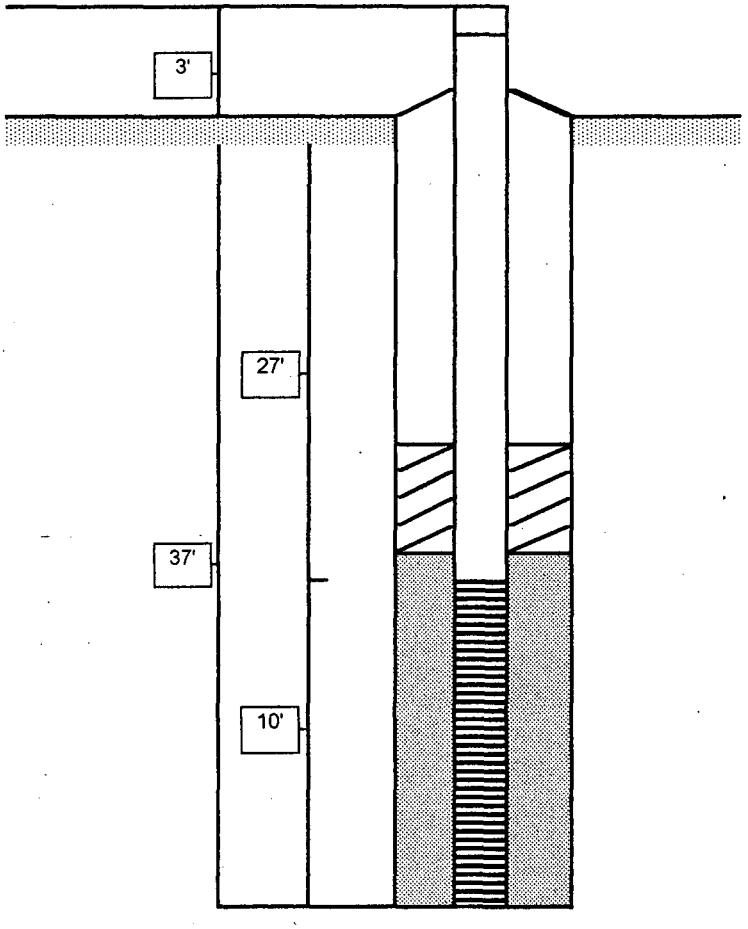
835 CR. 529, Bushnell FL.

Client:. Colinas Group — Date: August 19,2004

Well No. MW#-11 — Contact: Rick Potts

Installed By: Mike Miller, Cory, Stephen

Other Services Performed:



_____ Flush Manhole

__X__ Above Grade Protector

_____ None

Concrete 2 Bags

Cement Grout 6 Bags

Riser: Type PVC
Size 2"

Seal 1 bag 30/65 Sand

Screen: Type PVC
Size 2" .010 slot

Filter Type 16 bags 20/30 Sand

Development: Bailed _____ Pumped __X__ Air Lift _____ Surge _____ Swab _____ None _____

Total Time: 30 minutes — Total Gallons: 45 gallons

Water Appearance Start: cloudy — Finish: clear

LOG OF BORINGS

Location:	Sumter County Landfill	**Driller**	Mike miller
	Bushnell FL	**Drill Crew**	Cory, stephen
Client:	Colinas Group	**Boring begin date**	8/18/2004
Work Order #	4866	**Boring #**	MW 11
Sample Method:	Split spoon	**Boring Method:**	Auger **Rig:** BK-81
Static water Level:	30'		

Sample #	Sample Depth	N. Value	Sample Type	Water Presence	Description/remarks
1	10-12'	4,4,5,5	Split Spoon	Dry	Dk. Brn. Fn. Sand
2	15-17'	5,7,8,11			Tan/Brn fn. Clay sand
3	20-22'	11,14,18,20			Tan Med/Fn. Sand
4	25-27'	6,9,6,4			Tan Clay Sand
5	30-32'	12,18,23,11		Wet	Lt. Gr. Clat/Limestone
6	35-37'	18,22,13,17			Limestone
7	40-42'	10,23,31,20			Same 42.0' EOB

Environmental Drilling Service, Inc.

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STANDARD PENETRATION TEST
BORING LOGS

THE COLINAS GROUP, INC.
TEST BORING LOG

Project Name: Sumter County Landfill
TCG Project No: P-257.2

Logged By: D. Claytor
Date: 11-16-04
Page:

Well Location No: MW-2A
Method: Hollow-stem auger

Depth Interval (feet bls)	Sediment Description
0 - 4	grey, slightly silty **v. fine sand**, limestone grvl (rd. base), roots in upper foot
8 - 10	grey to lt. brown **v. fine sand**, well-sorted
13 - 15	dk. brown silty **v. fine - fine sand**, well-sorted
18 - 20	same as above w/trace coarse sand
23 - 24	same as above
24 - 25	tan to white sl. clayey **v. fine - fine sand**, well-sorted, damp
28 - 30	tan to white **sandy clay**, damp
33 - 34	same
34 - 35	tan to white sl. clayey **fine - medium sand**, poorly-sorted
38 - 40	tan to white **sandy clay**, cream to white limestone frags @39.8 ft.
43 - 45	cream to white **limestone**, soft to med. hard
47	end of boring

THE COLINAS GROUP, INC.
TEST BORING LOG

Project Name: Sumter County Landfill
TCG Project No: P-257.2

Logged By: D. Claytor
Date: 11-15-04
Page:

Well Location No: MW-4A
Method: Hollow-stem auger

Depth Interval (feet bls)	Sediment Description
0 - 4	grey, **slightly silty v. fine sand**, roots in upper foot
8 - 10	tan **v. fine sand**, tr. coarse sand, mod. well-sorted
13 - 15	dk. brown to reddish brn. **silty v. fine - fine sand**, well-sorted
18 - 20	tan to white **v. fine sand**, tr. crse. sand, tr.phosphate sand
23 - 25	tan to reddish **clayey v. fine sand**, tr. phosphate sand
28 - 30	same as above, damp to wet
33 - 34	tan to white **sandy clay**, soft, very wet
34 - 35	tan **limestone**, hard
38 - 40	same as above
41	end of boring

THE COLINAS GROUP, INC.
TEST BORING LOG

Project Name: Sumter County Landfill
TCG Project No: P-257.2

Logged By: D. Claytor
Date: 11-15-04
Page:

Well Location No: MW-4B
Method: Hollow-stem auger

Depth Interval (feet bls)	**Sediment Description**
0 - 2	grey, **slightly silty v. fine sand**, roots in upper foot
2 - 4	tan **v. fine sand**, well-sorted
8 - 10	orange-brown **v. fine sand**, tr. coarse sand, mod. well-sorted
13 - 14	dk. brown **sl. silty v. fine - fine sand**, well-sorted
14 - 15	lt. brown, **sl. clayey v. fine sand**
18 - 20	tan to white**, clayey v. fine sand**
23 - 25	tan to white **v. fine - fine sand**, tr. phosphate sand, wet
28 - 30	tan to lt. brn, **sandy clay**, tr. phosphate sand
33 - 37	white limestone, hard
37	end of boring

THE COLINAS GROUP, INC.
TEST BORING LOG

Project Name: Sumter County Landfill
TCG Project No: P-257.2

Logged By: R. Potts
Date: 08-18-04
Page:

Well Location No: MW-9A
Method: Hollow-stem auger

Depth Interval (feet bls)	Sediment Description
0 - 10	no sample
10 - 12	brown, **fine-med. fine sand**, tr. lt. grey to brn clay
15 - 17	grey to reddish **clay**
20 - 22	lt. grey to brn **v. fine sand**
25 - 27	lt. grey **sandy clay**
30 - 32	same as above
35 - 37	lt. grey **sandy clay, l**imestone frags, wet
40 - 42	tam to white **limestone**
45 - 47	same as above
47	end of boring

THE COLINAS GROUP, INC.
TEST BORING LOG

Project Name: Sumter County Landfill
TCG Project No: P-257.2

Logged By: R. Potts
Date: 08-18-04
Page:

Well Location No: MW-10
Method: Hollow-stem auger

Depth Interval (feet bls)	Sediment Description
0 - 10	no sample
10 - 12	brown, **fine-med. fine sand**, w/ lt. grey to brn clay
15 - 17	dk. grey, **silty-clayey v. fine sand**
20 - 22	tan to lt. grey **sandy clay**
25 - 27	tan **clay**, stiff
30 - 32	no return
35 - 37	tan to white **limestone**, wet
40 - 42	same as above
42	end of boring

THE COLINAS GROUP, INC.
TEST BORING LOG

Project Name: Sumter County Landfill
TCG Project No: P-257.2

Logged By: R. Potts
Date: 08-18-04
Page:

Well Location No: MW-11
Method: Hollow-stem auger

Depth Interval (feet bls)	Sediment Description
0 - 10	no sample
10 - 12	dk. brown, **v. fine sand**
15 - 17	tan to brown **clayey v. fine sand**
20 - 22	tan **fine - med. fine sand**
25 - 27	tan **clayey fine sand**
30 - 32	lt. **grey clay** w/ limestone frags, wet
35 - 37	tan to white **limestone**, wet
40 - 42	same as above
42	end of boring

5

COMPOST
LABORATORY ANALYTICAL REPORT

SUMTER COUNTY PUBLIC WORKS
LANDFILL
THIRD QUARTER 2004
COMPOST
Conducted for
Mr. TOMMY HURST
October 13, 2004

CENTRAL TESTING LABORATORY
LEESBURG, FLORIDA

Central Testing Laboratory

EB 0002407

Engineering and Materials Testing

Reply to:

Leesburg

October 15, 2004

Sumter County Solid Waste Facility
P.O. Box 1066
Bushnell, FL 33513

Attn: Mr. Tommy Hurst

Re: Third Quarter 2004 Compost Testing Results
Sumter County Solid Waste Facility

Dear Mr. Hurst

Central Testing Laboratory (CTL) has received the results of the third quarter classification testing for the compost produced at the above referenced facility. A composite compost sample was collected for the purpose of analysis and classification on September 8, 2004 at the facility. The samples were analyzed and classified in accordance with the Florida Administrative Code (FAC) Chapter 62-709, Criteria for the Production and Use of Compost Made from Solid Waste.

Based on the attached results, currently the compost is classified as **Type A**. 62-709.600, Criteria for the Use of Compost, states compost classified as Type A has unrestricted use by commercial, agricultural, institutional or governmental operations.

We hope that the provided information meets your needs at the present time. Should you have any questions or require additional information, please contact our office.

Sincerely,
CENTRAL TESTING LABORATORY

Karl Retherford Jr.
Environmental Technician

Theodore J. Stroupe, P.E.
President
Florida Registration No. 48220
10/15/04

cc: Ms. Susan Pelz, P.E.
Mr. Lonnie Cash
Mr. Tommy Hurst

Central Testing Laboratory Report of Results

Reduction of Organic Matter per 62-709.530(h)

%ROM = [1-(OMK(100-OM) / OM(100-OMK))]100

where %ROM = Reduction of Organic Matter
OM = organic matter content of dry matter before decomposition
OMK= organic matter content of dry matter after decomposition

OM = 78% (Volatile Solids from Raw sample per STL report)
OMK = 60% (Volatile Solids from Finished Compost sample per STL report)

[1-(60(100-78) / 78(100-60))]100

1 – (1320/3120) 100

(1 – 0.423076) 100

0.423076 X 100 = 57.69

Reduction of Matter = 57.69%

Foreign Matter Content per 62-709.530(f)

Dry weight of Finished Compost sample = 465.68g
Weight of inorganic material held back by ¼ inch screen = 5.87g

Weight of glass = 5.87g 1.26% of total weight of sample

Foreign Matter Content = 1.26%

STL

STL Tampa 6712 Benjamin Road, Suite 100 - Tampa FL 33634 Telephone:(813) 885-7427 Fax:(813) 885-7049

Analytical Report

For: Mr. Karl Retherford Jr.
Central Testing Laboratories
723 South 14th Street
Leesburg, FL 34748
CC:

Order Number: B424532
SDG Number:
Client Project ID:
Project: SCPW Landfill
Report Date: 09/21/2004
Sampled By: Client
Sample Received Date: 09/08/2004
Requisition Number:
Purchase Order: 2356

Nancy Robertson, Project Manager
nrobertson@stl-inc.com

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

SEVERN TRENT STL

STL Tampa 6712 Benjamin Road, Suite 100 - Tampa FL 33634 Telephone:(813) 885-7427 Fax:(813) 885-7049

Sample Summary

Order: B424532
Date Received: 09/08/2004

Client: Central Testing Laboratories
Project: SCPW Landfill

Client Sample ID	Lab Sample ID	Matrix	Date Sampled
SO-1 FINISHED COMPOST	B424532*1	Solid	09/08/2004 14:50
SO-2 RAW COMPOST	B424532*2	Solid	09/08/2004 14:40

SEVERN TRENT STL

STL Tampa 6712 Benjamin Road, Suite 100 - Tampa FL 33634 Telephone:(813) 885-7427 Fax:(813) 885-7049

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
24532-1	SO-1 FINISHED COMPOST	Solid	09/08/04	09/08/04 14:50	
24532-2	SO-2 RAW COMPOST	Solid	09/08/04	09/08/04 14:40	

Parameter	Units	Lab Sample IDs 24532-1	24532-2
ICP Metals (6010)			
Arsenic	mg/kg dw	2.1	1.9
Cadmium	mg/kg dw	1.1	0.16I
Copper	mg/kg dw	240	29
Lead	mg/kg dw	150	7.3
Molybdenum	mg/kg dw	3.8	1.3I
Nickel	mg/kg dw	16	3.7I
Selenium	mg/kg dw	1.3I	0.60I
Zinc	mg/kg dw	460	93
Percent Solids		57	67
Dilution Factor		1	1
Prep Date		09/14/04	09/14/04
Analysis Date		09/15/04	09/15/04
Analysis Time		09:45	10:04
Batch ID		40914B	40914B
Potassium (6010)			
Potassium	% dw	0.26	0.11
Percent Solids		57	67
Dilution Factor		1	1
Prep Date		09/14/04	09/14/04
Analysis Date		09/15/04	09/15/04
Analysis Time		09:45	10:04
Batch ID		40914B	40914B

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
24532-1	SO-1 FINISHED COMPOST	Solid	09/08/04	09/08/04 14:50	
24532-2	SO-2 RAW COMPOST	Solid	09/08/04	09/08/04 14:40	

Parameter	Units	Lab Sample IDs 24532-1	24532-2
Mercury (7471)			
Mercury	mg/kg dw	0.59	0.053
Percent Solids		57	67
Dilution Factor		1	1
Prep Date		09/15/04	09/15/04
Analysis Date		09/15/04	09/15/04
Analysis Time		18:19	18:28
Batch ID		40915R	40915R
Moisture (% Loss on drying @ 105 C) (D2216)			
Moisture (% Loss on drying @ 105 C)	%	41 %	31 %
Percent Solids		57	67
Dilution Factor		1	1
Analysis Date		09/15/04	09/15/04
Analysis Time		14:00	14:00
Batch ID		0915KK	0915KK
Nitrate + Nitrite-N (353.2)			
Nitrate + Nitrite-N	mg/kg dw	1.4I	1.0U
Percent Solids		57	67
Dilution Factor		1	1
Analysis Date		09/17/04	09/17/04
Analysis Time		11:40	11:40
Batch ID		0917G-6	0917G-6

SEVERN TRENT STL

STL Tampa 6712 Benjamin Road, Suite 100 - Tampa FL 33634 Telephone:(813) 885-7427 Fax:(813) 885-7049

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
24532-1	SO-1 FINISHED COMPOST	Solid	09/08/04	09/08/04 14:50	
24532-2	SO-2 RAW COMPOST	Solid	09/08/04	09/08/04 14:40	

Parameter	Units	Lab Sample IDs 24532-1	24532-2
Total Kjeldahl Nitrogen-N (351.3)			
Total Kjeldahl Nitrogen-N	%	0.90 %	0.35 %
Percent Solids		57	67
Dilution Factor		1	1
Analysis Date		09/15/04	09/15/04
Analysis Time		09:00	09:00
Batch ID		0915GG	0915GG
Total Nitrogen (351.2+353.2)			
Total Nitrogen	%	0.90 %	0.35 %
Percent Solids		57	67
Phosphorus, Total (365.2)			
Phosphorus, Total	mg/kg dw	640	4000
Percent Solids		57	67
Dilution Factor		10	200
Analysis Date		09/14/04	09/14/04
Analysis Time		11:00	11:00
Batch ID		0914V	0914V
pH (9045)			
pH	units	7.8	6.5
Percent Solids		57	67
Dilution Factor		1	1
Analysis Date		09/13/04	09/13/04
Analysis Time		16:10	16:10
Batch ID		0913A	0913A

SEVERN TRENT STL

STL Tampa 6712 Benjamin Road, Suite 100 - Tampa FL 33634 Telephone:(813) 885-7427 Fax:(813) 885-7049

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
24532-1	SO-1 FINISHED COMPOST	Solid	09/08/04	09/08/04 14:50	
24532-2	SO-2 RAW COMPOST	Solid	09/08/04	09/08/04 14:40	

Parameter	Units	Lab Sample IDs 24532-1	24532-2
Fecal Coliform MPN (SM9221C)			
Fecal Coliform MPN	MPN/g dw	3.5U	45000
Percent Solids		57	67
Dilution Factor		1	10000
Analysis Date		09/09/04	09/15/04
Analysis Time		17:27	12:40
Batch ID		0909CC	0915CC
Volatile Solids (EPA/CE-81-1(3-59))			
Volatile Solids	%	60 %	33 %
Percent Solids		57	67
Dilution Factor		1	1
Analysis Date		09/15/04	09/15/04
Analysis Time		14:00	14:00
Batch ID		0915N	0915N

SEVERN TRENT STL

STL Tampa 6712 Benjamin Road, Suite 100 - Tampa FL 33634 Telephone:(813) 885-7427 Fax:(813) 885-7049

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
24532-3	Method Blank	Solid	09/08/04		
24532-4	Accuracy (%Rec)	Solid	09/08/04		
24532-5	LCS Accuracy Control Limit (%R)	Solid	09/08/04		
24532-6	Precision (%RPD)	Solid	09/08/04		
24532-7	LCS Precision Control Limit (Advisory) %RPD	Solid	09/08/04		

Parameter	Units	Lab Sample IDs 24532-3	24532-4	24532-5	24532-6	24532-7
ICP Metals (6010)						
Arsenic	mg/kg dw	0.19U	105 %	75-125 %	1.3 %	<20 %
Cadmium	mg/kg dw	0.085U	101 %	75-125 %	0.06 %	<20 %
Copper	mg/kg dw	0.50U	114 %	75-125 %	2.0 %	<20 %
Lead	mg/kg dw	0.42U	108 %	75-125 %	1.0 %	<20 %
Molybdenum	mg/kg dw	0.16U	99 %	75-125 %	0.33 %	<20 %
Nickel	mg/kg dw	0.43U	109 %	75-125 %	0.50 %	<20 %
Selenium	mg/kg dw	0.37U	109 %	75-125 %	0.96 %	<20 %
Zinc	mg/kg dw	0.50U	109 %	75-125 %	1.0 %	<20 %
Dilution Factor		1				
Prep Date		09/14/04	09/14/04		09/14/04	
Analysis Date		09/14/04	09/15/04		09/15/04	
Analysis Time		13:35				
Batch ID		40914B	40914B		40914B	
Potassium (6010)						
Potassium	% dw	0.0016U	98 %	75-125 %	1.0 %	<20 %
Dilution Factor		1				
Prep Date		09/14/04	09/14/04		09/14/04	
Analysis Date		09/14/04	09/14/04		09/14/04	
Analysis Time		13:35				
Batch ID		40914B	40914B		40914B	

SEVERN TRENT STL

STL Tampa 6712 Benjamin Road, Suite 100 - Tampa FL 33634 Telephone:(813) 885-7427 Fax:(813) 885-7049

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
24532-3	Method Blank	Solid	09/08/04		
24532-4	Accuracy (%Rec)	Solid	09/08/04		
24532-5	LCS Accuracy Control Limit (%R)	Solid	09/08/04		
24532-6	Precision (%RPD)	Solid	09/08/04		
24532-7	LCS Precision Control Limit (Advisory) %RPD	Solid	09/08/04		

Parameter	Units	Lab Sample IDs 24532-3	24532-4	24532-5	24532-6	24532-7
Mercury (7471)						
Mercury	mg/kg dw	0.0075U	102 %	80-120 %	0.84 %	<20 %
Dilution Factor		1				
Prep Date		09/15/04	09/15/04		09/15/04	
Analysis Date		09/15/04	09/15/04		09/15/04	
Analysis Time		18:12				
Batch ID		40915R	40915R		40915R	
Moisture (% Loss on drying @ 105 C) (D2216)						
Moisture (% Loss on drying @ 105 C)	%	0.10U %	102 %	80-120 %	0.49 %	<30 %
Dilution Factor		1				
Analysis Date		09/15/04	09/15/04		09/15/04	
Analysis Time		14:00				
Batch ID		0915KK	0915KK		0915KK	
Nitrate + Nitrite-N (353.2)						
Nitrate + Nitrite-N	mg/kg dw	1.0U	100 %	75-125 %	0.81 %	<30 %
Dilution Factor		1				
Analysis Date		09/17/04	09/17/04		09/17/04	
Analysis Time		11:40				
Batch ID		0917G-6	0917G-6		0917G-6	

STL Tampa 6712 Benjamin Road, Suite 100 - Tampa FL 33634 Telephone:(813) 885-7427 Fax:(813) 885-7049

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
24532-3	Method Blank	Solid	09/08/04		
24532-4	Accuracy (%Rec)	Solid	09/08/04		
24532-5	LCS Accuracy Control Limit (%R)	Solid	09/08/04		
24532-6	Precision (%RPD)	Solid	09/08/04		
24532-7	LCS Precision Control Limit (Advisory) %RPD	Solid	09/08/04		

Parameter	Units	Lab Sample IDs 24532-3	24532-4	24532-5	24532-6	24532-7
Total Kjeldahl Nitrogen-N (351.3)						
Total Kjeldahl Nitrogen-N	%	0.0017 %	100 %	65-135 %	0.55 %	<50 %
Dilution Factor		1				
Analysis Date		09/15/04	09/15/04		09/15/04	
Analysis Time		09:00				
Batch ID		0915GG	0915GG		0915GG	
Phosphorus, Total (365.2)						
Phosphorus, Total	mg/kg dw	6.8U	93 %	60-140 %	2.9 %	<40 %
Dilution Factor		1				
Analysis Date		09/14/04	09/14/04		09/14/04	
Analysis Time		11:00				
Batch ID		0914V	0914V		0914V	
pH (9045)						
pH	units	6.2	103 %	63-158 %	0.33 %	<40 %
Dilution Factor		1				
Analysis Date		09/13/04	09/13/04		09/13/04	
Analysis Time		16:10				
Batch ID		0913A	0913A		0913A	

STL

STL Tampa 6712 Benjamin Road, Suite 100 - Tampa FL 33634 Telephone:(813) 885-7427 Fax:(813) 885-7049

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
24532-3	Method Blank	Solid	09/08/04		
24532-4	Accuracy (%Rec)	Solid	09/08/04		
24532-5	LCS Accuracy Control Limit (%R)	Solid	09/08/04		
24532-6	Precision (%RPD)	Solid	09/08/04		
24532-7	LCS Precision Control Limit (Advisory) %RPD	Solid	09/08/04		

Parameter	Units	Lab Sample IDs 24532-3	24532-4	24532-5	24532-6	24532-7
Fecal Coliform MPN (SM9221C)						
Fecal Coliform MPN	MPN/100ml	2U	---		0 %	<200 %
Dilution Factor		1				
Analysis Date		09/09/04			09/09/04	
Analysis Time		17:27				
Batch ID		0909CC			0909CC	

SEVERN TRENT STL

STL Tampa 6712 Benjamin Road, Suite 100 - Tampa FL 33634 Telephone:(813) 885-7427 Fax:(813) 885-7049

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
24532-8	Practical Quantitation Limit (PQL)	Solid	09/08/04		
24532-9	Method Detection Limit (MDL)	Solid	09/08/04		

Parameter	Units	Lab Sample IDs 24532-8	24532-9
ICP Metals (6010)			
Arsenic	mg/kg dw	0.50	0.19
Cadmium	mg/kg dw	0.50	0.087
Copper	mg/kg dw	2.0	0.50
Lead	mg/kg dw	0.50	0.15
Molybdenum	mg/kg dw	1.0	0.16
Nickel	mg/kg dw	4.0	0.43
Selenium	mg/kg dw	1.0	0.37
Zinc	mg/kg dw	2.0	0.50
Potassium (6010)			
Potassium	% dw	0.010	0.0016
Mercury (7471)			
Mercury	mg/kg dw	0.020	0.0075
Moisture (% Loss on drying @ 105 C) (D2216)			
Moisture (% Loss on drying @ 105 C)	%	0.10	0.10
Nitrate + Nitrite-N (353.2)			
Nitrate + Nitrite-N	mg/kg dw	5.0	1.0

SEVERN TRENT STL

STL Tampa 6712 Benjamin Road, Suite 100 - Tampa FL 33634 Telephone:(813) 885-7427 Fax:(813) 885-7049

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
24532-8	Practical Quantitation Limit (PQL)	Solid	09/08/04		
24532-9	Method Detection Limit (MDL)	Solid	09/08/04		

Parameter	Units	Lab Sample IDs 24532-8	24532-9
Total Kjeldahl Nitrogen-N (351.3)			
Total Kjeldahl Nitrogen-N	mg/kg dw	50	17
Phosphorus, Total (365.2)			
Phosphorus, Total	mg/kg dw	25	6.8
Fecal Coliform MPN (SM9221C)			
Fecal Coliform MPN	MPN/g dw	2	2U

STL Tampa 6712 Benjamin Road, Suite 100 - Tampa FL 33634 Telephone:(813) 885-7427 Fax:(813) 885-7049

Order Number: B424532

Methods: EPA 600/4-79-020, EPA SW-846, EPA Standard Methods, FDEP
DOH Certification #E84282

U = Indicates that the compound was analyzed for but not detected.

I = The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL project manager who signed this test report.
The estimated uncertainty associated with these reported results is available upon request.

Serial Number 12771

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN TRENT

STL B424532

STL Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.stl-inc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
SCPW Landfill		FL
SAMPLER'S SIGNATURE	P.O. NUMBER 2356	CONTRACT NO.
CLIENT (SITE) PM Earl Retherford Jr.	CLIENT PHONE 352-787-1205	CLIENT FAX 352-728-2241
CLIENT NAME Central Testing Labs	CLIENT E-MAIL envirect@aol.com	
CLIENT ADDRESS 723 S 14th Street Leesburg, FL 34748		
COMPANY CONTRACTING THIS WORK (if applicable)		

PAGE 1 OF 1

STANDARD REPORT DELIVERY ○
DATE DUE: _____
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE: _____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	MATRIX: AQUEOUS (WATER)	MATRIX: SOLID OR SEMISOLID	MATRIX: AIR	MATRIX: NONAQUEOUS LIQUID (OIL, SOLVENT,...)	REQUIRED ANALYSIS: NUMBER OF CONTAINERS SUBMITTED: % Moisture	Organic Matter	Total Nitrogen	Total Potassium	Cd, Cu, Pb, K, Zn, Ni	pH	Fecal Coliform MPN	REMARKS
09/08/04	1450	SO-1 Finished Compost	G		X			1							
09/08/04	1440	SO-2 Raw Compost	G		X			1							

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
				09/08/04	1500		9/8/04	1625
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
				9/8/04	1502		9-8-04	1625

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL TAMPA LOG NO.	LABORATORY REMARKS
	9-8-04	1752	YES ☒ NO ○	NA	B424532	

STL

STL Tampa 6712 Benjamin Road, Suite 100 - Tampa FL 33634 Telephone:(813) 885-7427 Fax:(813) 885-7049

Analytical Report

For: Mr. Karl Retherford Jr.
Central Testing Laboratories
723 South 14th Street
Leesburg, FL 34748
CC:

Order Number: B425324
SDG Number:
Client Project ID:
Project: SCPW Landfill
Report Date: 10/15/2004
Sampled By: Client
Sample Received Date: 10/14/2004
Requisition Number:
Purchase Order: 2356

Nancy Robertson, Project Manager
nrobertson@stl-inc.com

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Sample Summary

Order: B425324
Date Received: 10/14/2004

Client: Central Testing Laboratories
Project: SCPW Landfill

Client Sample ID	Lab Sample ID	Matrix	Date Sampled
SO-2 RAW COMPOST	B425324*1	Solid	10/14/2004 09:30

STL

STL Tampa 6712 Benjamin Road, Suite 100 - Tampa FL 33634 Telephone:(813) 885-7427 Fax:(813) 885-7049

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
25324-1	SO-2 RAW COMPOST	Solid	10/14/04	10/14/04 09:30	

Parameter	Units	Lab Sample IDs 25324-1
Moisture (% Loss on drying @ 105 C) (D2216)		
Moisture (% Loss on drying @ 105 C)	%	32 %
Dilution Factor		1
Analysis Date		10/14/04
Analysis Time		16:16
Batch ID		1014KK
Volatile Solids (EPA/CE-81-1(3-59))		
Volatile Solids	%	78 %
Dilution Factor		1
Analysis Date		10/14/04
Analysis Time		16:16
Batch ID		1016N

STL

STL Tampa 6712 Benjamin Road, Suite 100 - Tampa FL 33634 Telephone:(813) 885-7427 Fax:(813) 885-7049

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
25324-2	Method Blank	Solid	10/14/04		
25324-3	Accuracy (%Rec)	Solid	10/14/04		
25324-4	LCS Accuracy Control Limit (%R)	Solid	10/14/04		
25324-5	Precision (%RPD)	Solid	10/14/04		
25324-6	LCS Precision Control Limit (Advisory) %RPD	Solid	10/14/04		

Parameter	Units	Lab Sample IDs 25324-2	25324-3	25324-4	25324-5	25324-6
Moisture (% Loss on drying @ 105 C) (D2216)						
Moisture (% Loss on drying @ 105 C)	%	0.10U %	99 %	80-120 %	0.31 %	<25 %
Dilution Factor		1				
Analysis Date		10/14/04	10/14/04		10/14/04	
Analysis Time		16:16				
Batch ID		1014KK	1014KK		1014KK	

STL

STL Tampa 6712 Benjamin Road, Suite 100 - Tampa FL 33634 Telephone:(813) 885-7427 Fax:(813) 885-7049

Analytical Data Report

Lab Sample ID	Description	Matrix	Date Received	Date Sampled	SDG#
25324-7	Practical Quantitation Limit (PQL)	Solid	10/14/04		
25324-8	Method Detection Limit (MDL)	Solid	10/14/04		

Parameter	Units	Lab Sample IDs 25324-7	25324-8
Moisture (% Loss on drying @ 105 C) (D2216)			
Moisture (% Loss on drying @ 105 C)	%	0.10	0.10

Order Number: B425324

Methods: EPA 600/4-79-020, EPA SW-846, EPA Standard Methods, FDEP
DOH Certification #E84282

U = Indicates that the compound was analyzed for but not detected.

I = The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

These test results meet all the requirements of NELAC. All questions regarding this test report should be directed to the STL project manager who signed this test report.
The estimated uncertainty associated with these reported results is available upon request.

BEST AVAILABLE COPY

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

SEVERN TRENT **STL**

B425324

○ STL Tampa
6712 Benjamin Road, Suite 100
Tampa, FL 33634
Website: www.stl-inc.com
Phone: (813) 885-7427
Fax: (813) 885-7049

○ Alternate Laboratory Name/Location
Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
SCPW Landfill		FL
SAMPLER'S SIGNATURE	P.O. NUMBER	CONTRACT NO.
	2356	
CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
Karl Retherford Jr.	352-787-1264	352-728-2445
CLIENT NAME	CLIENT E-MAIL	
Central Testing Labs	envirotl@aol.com	
CLIENT ADDRESS		
723 S 14 Street Leesburg, FL 34748		
COMPANY CONTRACTING THIS WORK (if applicable)		

PAGE 1 OF 1

STANDARD REPORT DELIVERY ○

DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE) ○

DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	MATRIX: COMPOSITE (C) OR GRAB (G) INDICATE	MATRIX: AQUEOUS (WATER)	MATRIX: SOLID OR SEMISOLID	MATRIX: AIR	MATRIX: NONAQUEOUS LIQUID (OIL, SOLVENT,...)	REQUIRED ANALYSIS: None / Volatile Solids	NUMBER OF CONTAINERS SUBMITTED	REMARKS
10/14/04	0930	SO2 Raw Compost	G		X			1	1	Must Grind before Testing

RELINQUISHED BY: (SIGNATURE) — DATE — TIME

RECEIVED BY: (SIGNATURE) — DATE — TIME

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
				10/14/04	0854			
			Dinky C. Smith	10-14-04	0854			

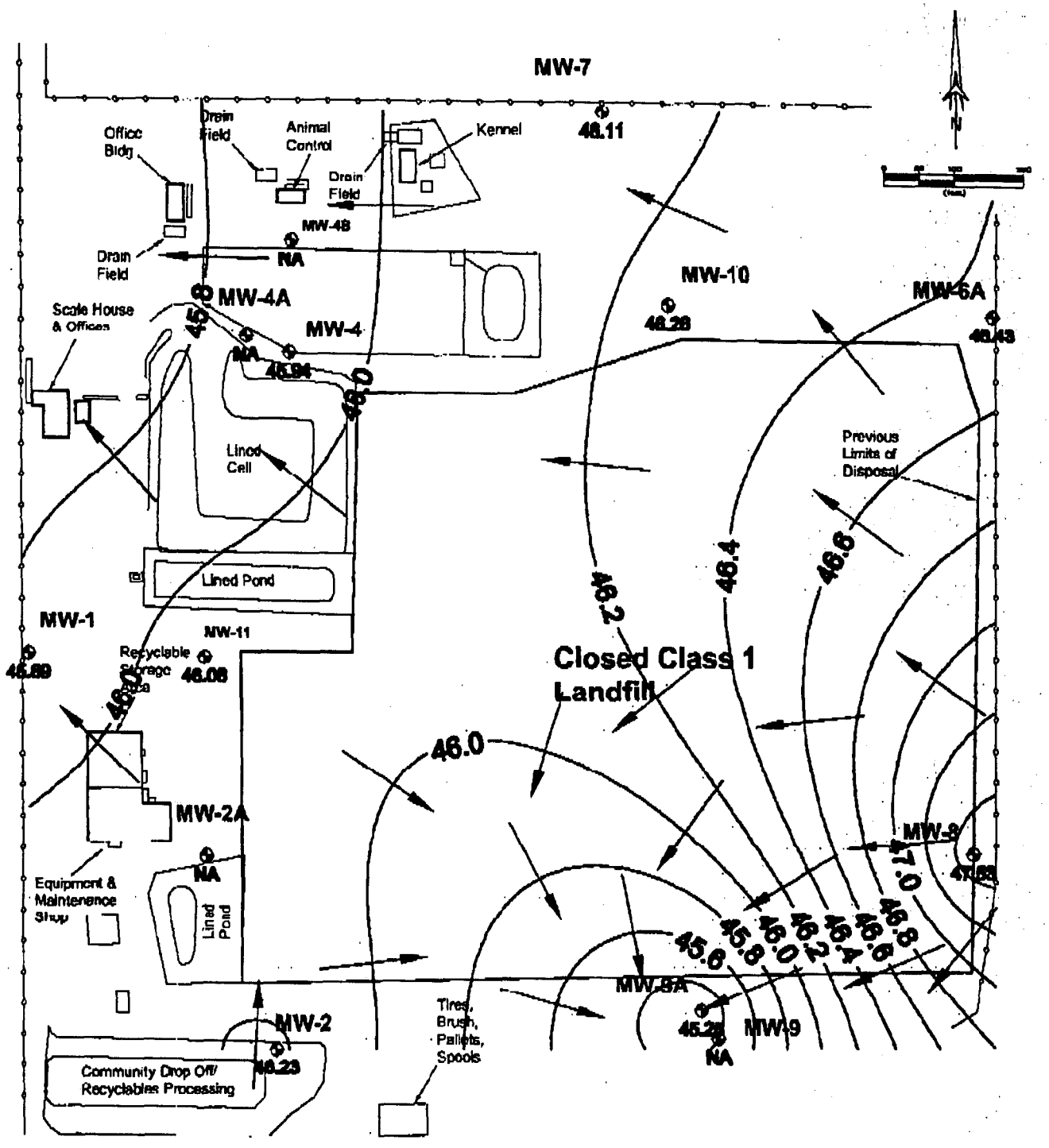
LABORATORY USE ONLY NT

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	STL TAMPA LOG NO.	LABORATORY REMARKS
Dinky C. Smith	10-14-04	1000	YES ⊗ NO ○		B425324	

STL TAMPA OCT-15-2004 16:13

6

HISTORICAL GROUNDWATER CONTOUR MAPS



LEGEND

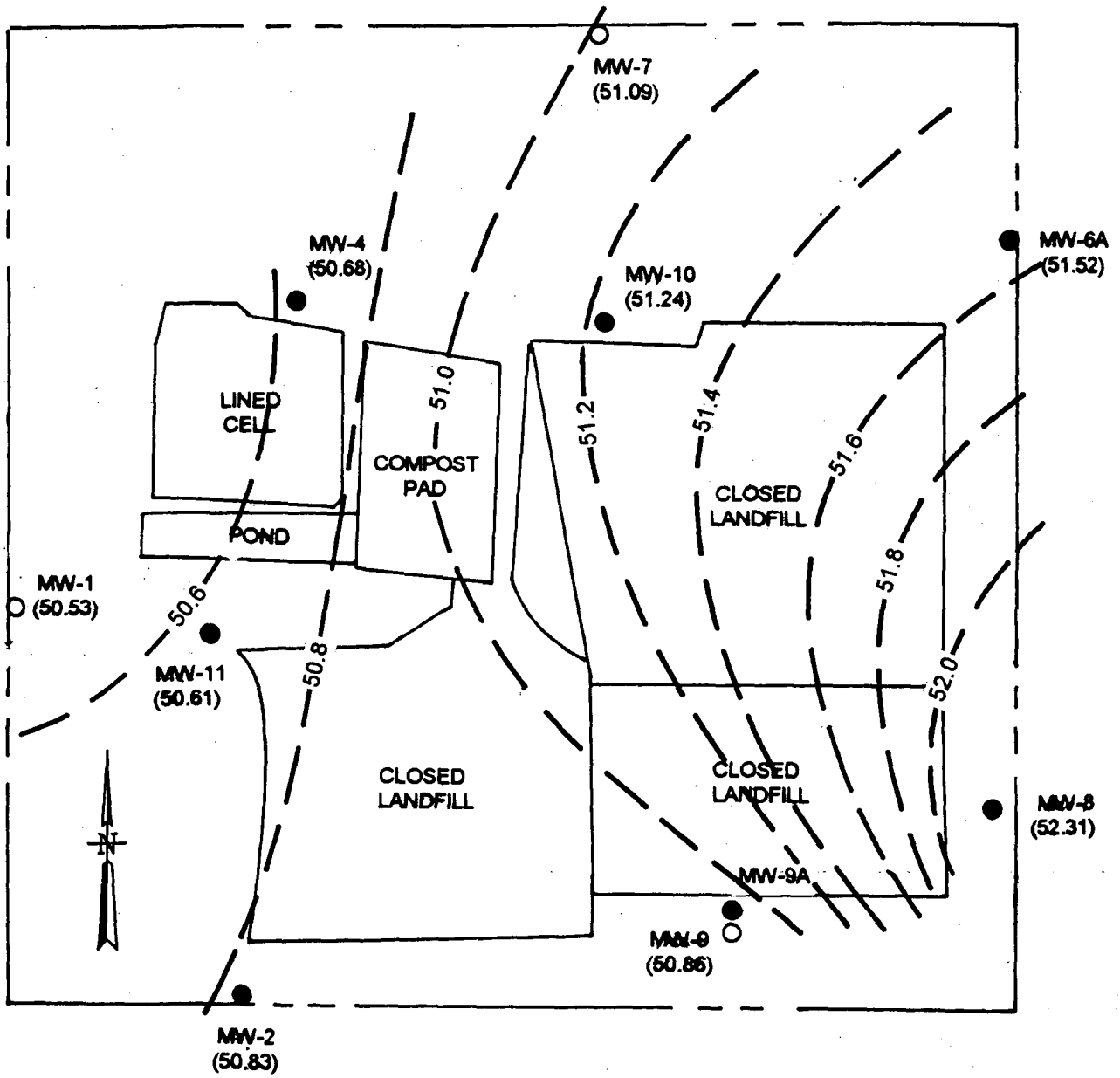
MW-2 — Monitor Well Location

48.23 — Groundwater Elevation (ft, NGVD, 12/28/04)

46.0 — Groundwater Contour (Potentiometric Surface, 12/28/04)

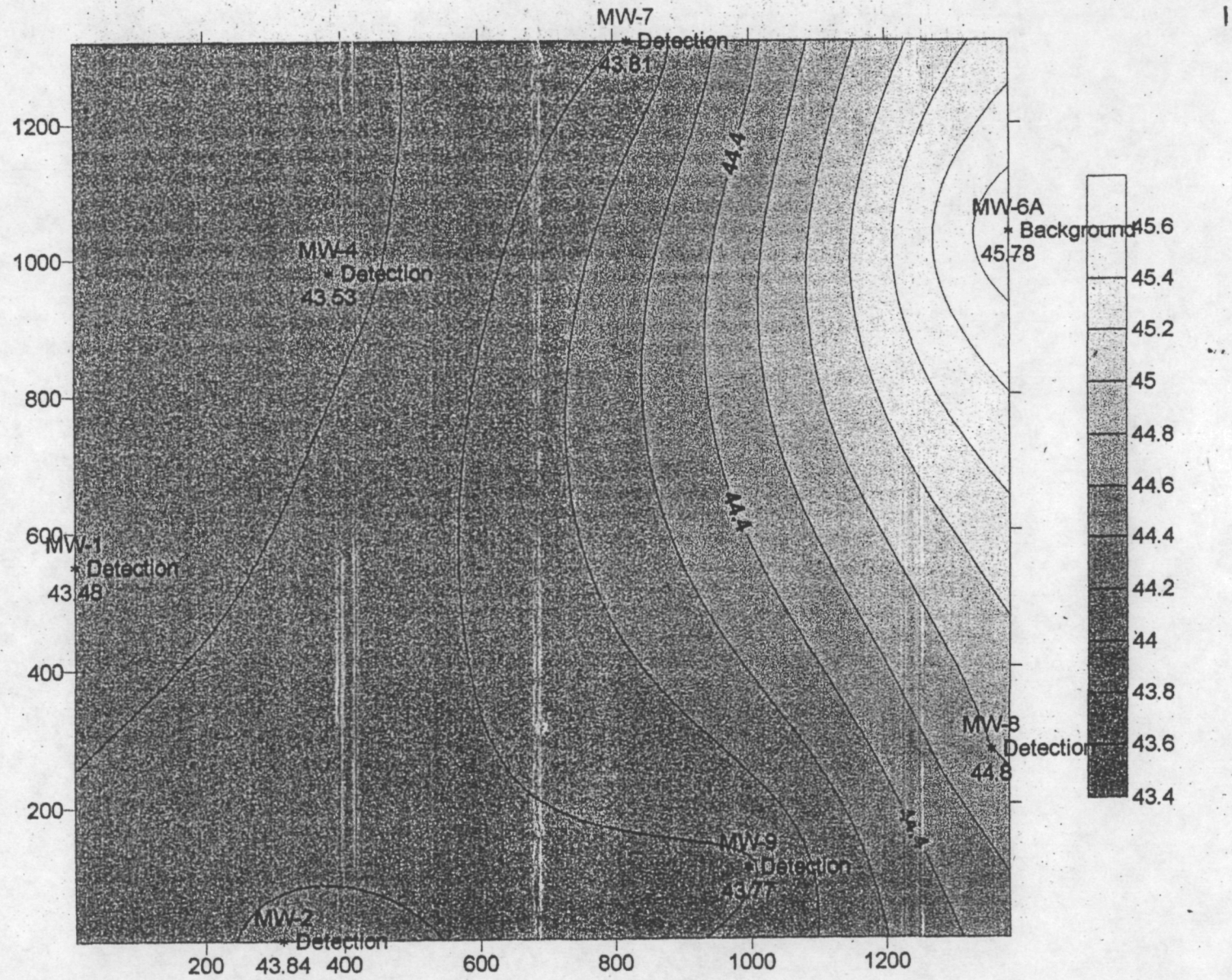
Estimated Groundwater Flow Direction (12/28/04)

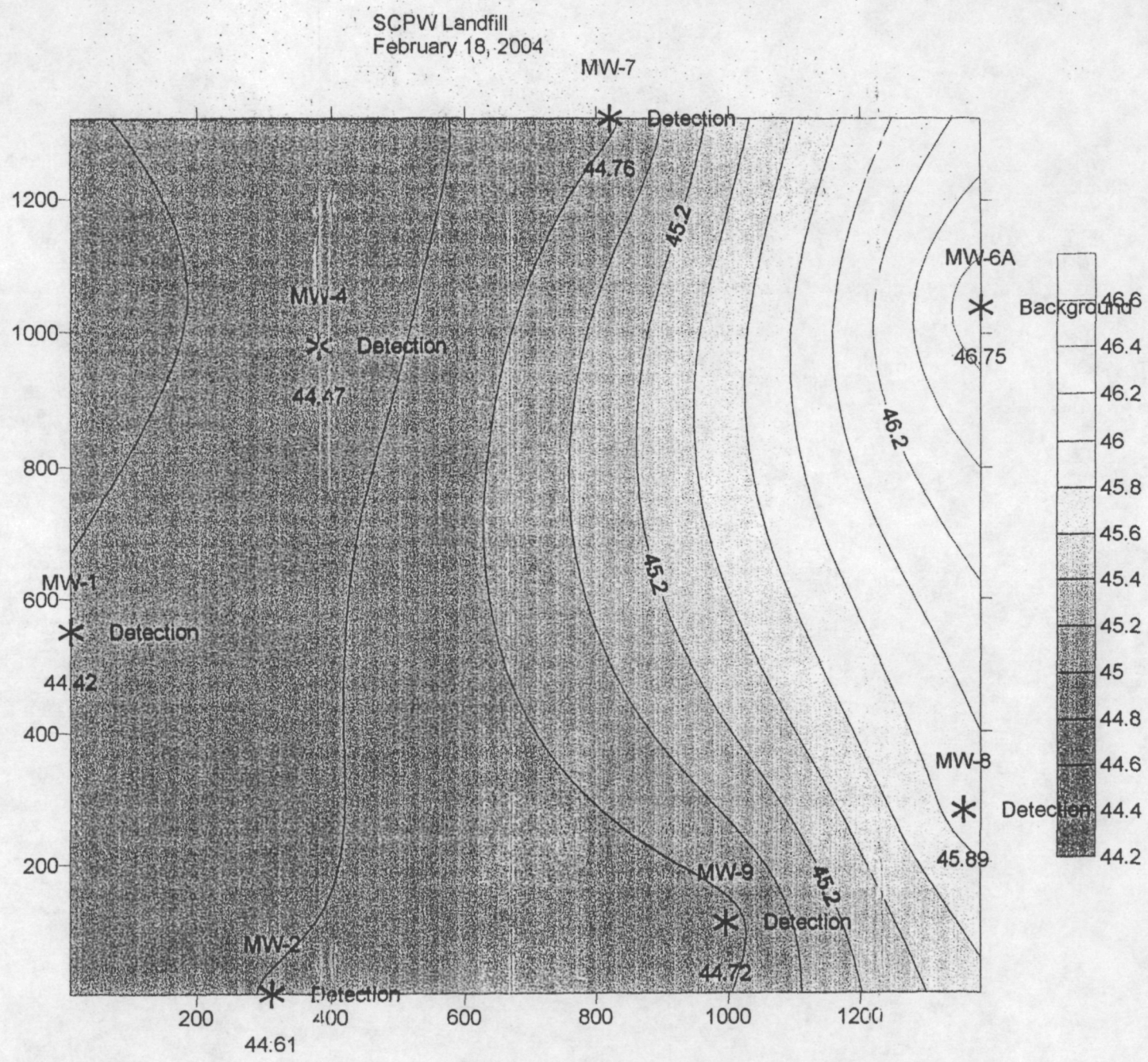
The Colinas Group, Inc. 509 N. Virginia Avenue Winter Park, Florida	Potentiometric Surface Contour Map Sumter County Landfill, December 28, 2004	Figure 1

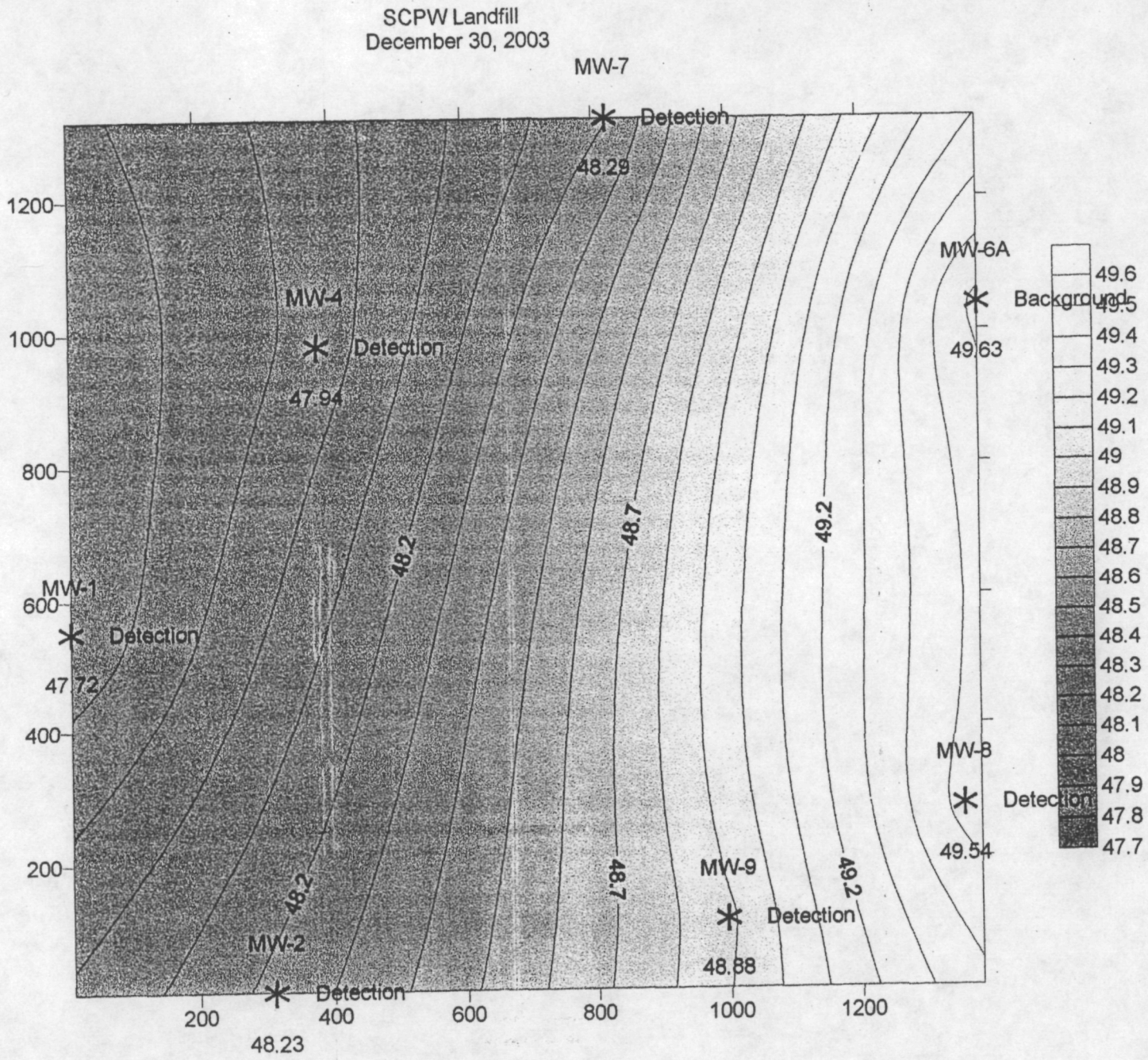


PROJ. NO. P-281 DATE: October 15, 2004 SCALE: 1" = 250'(approx). **THE COLINAS GROUP** 509 N.Virginia Ave., Winter Park, Fl 32789	**GROUNDWATER CONTOUR MAP** **OCTOBER 4, 2004** **SUMTER COUNTY LANDFILL** **FIGURE 1**

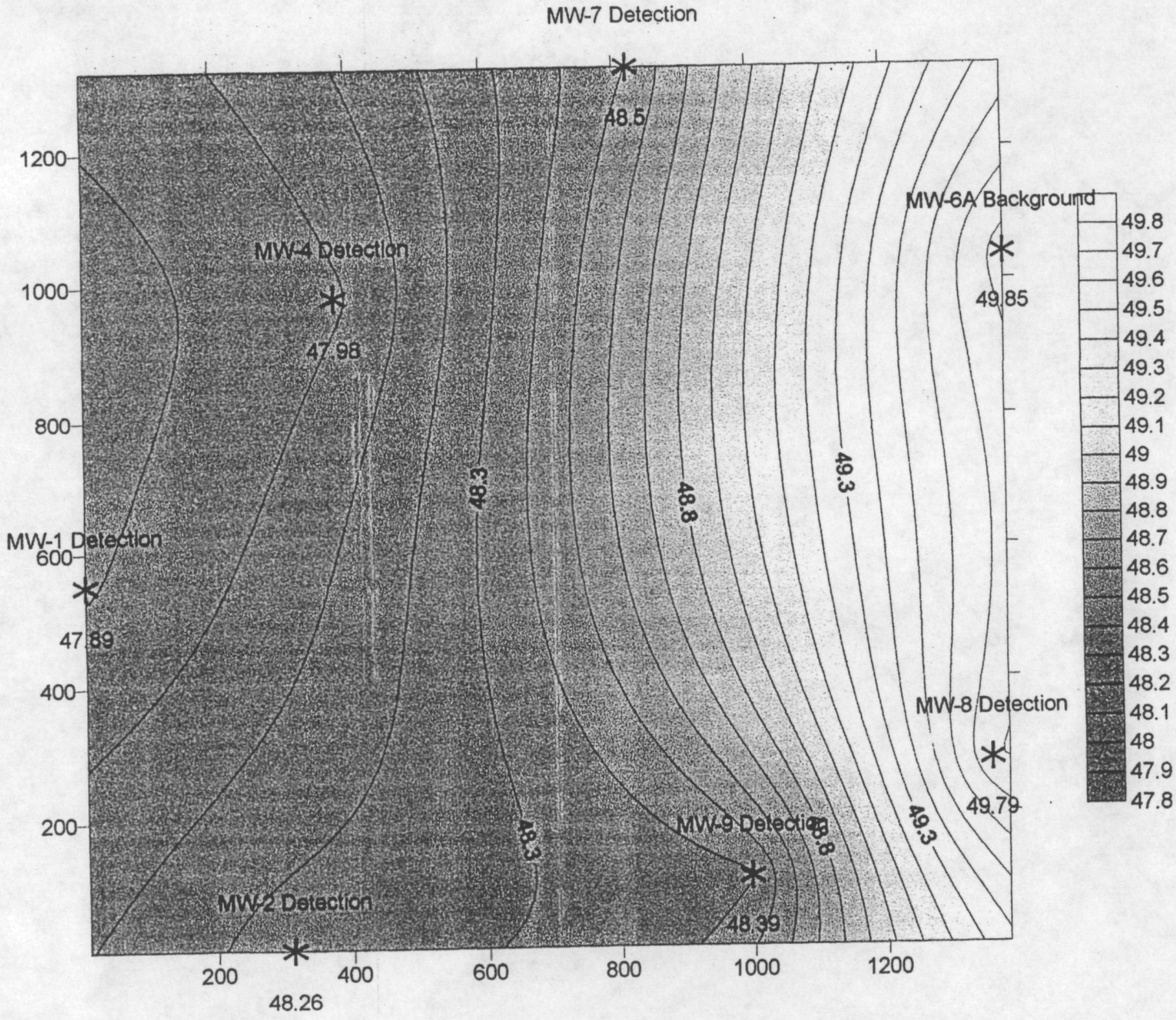
SCPW Landfill
July 13, 2004



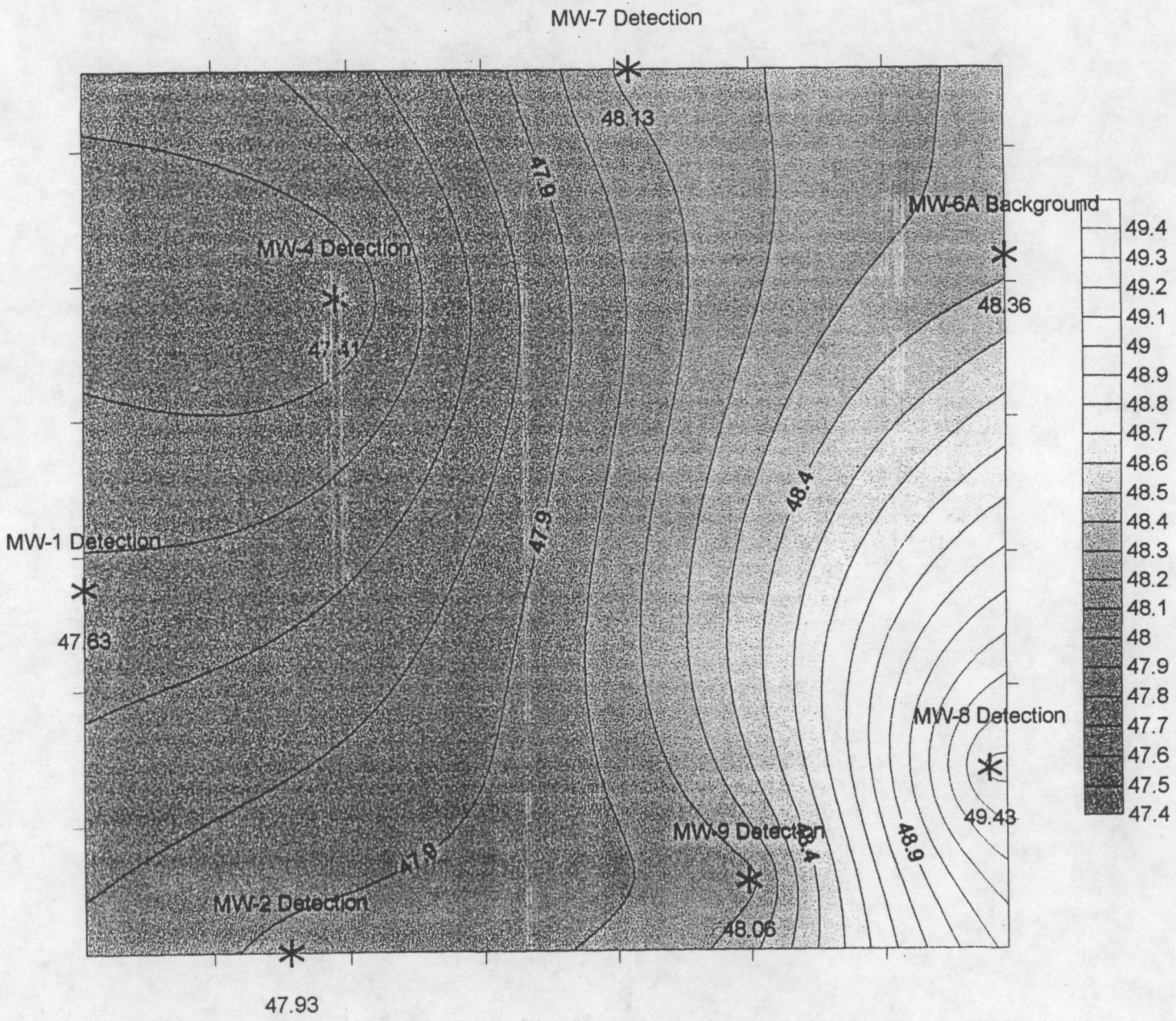

SCPW Landfill
February 18, 2004
MW-7
Detection
44.76
MW-4
Detection
44.47
MW-1
Detection
44.42
MW-2
Detection
44.61
MW-6A
Background
46.75
MW-8
Detection
45.89
MW-9
Detection
44.72
45.2
46.2
1200
1000
800
600
400
200
200
400
600
800
1000
1200
46.6
46.4
46.2
46
45.8
45.6
45.4
45.2
45
44.8
44.6
44.4
44.2


SCPW Landfill
December 30, 2003
MW-7
Detection
48.29
MW-6A
Background
49.63
MW-4
Detection
47.94
MW-1
Detection
47.72
MW-8
Detection
49.54
MW-9
Detection
48.88
MW-2
Detection
48.23
48.2
48.7
49.2
1200
1000
800
600
400
200
200
400
600
800
1000
1200
49.6
49.5
49.4
49.3
49.2
49.1
49
48.9
48.8
48.7
48.6
48.5
48.4
48.3
48.2
48.1
48
47.9
47.8
47.7

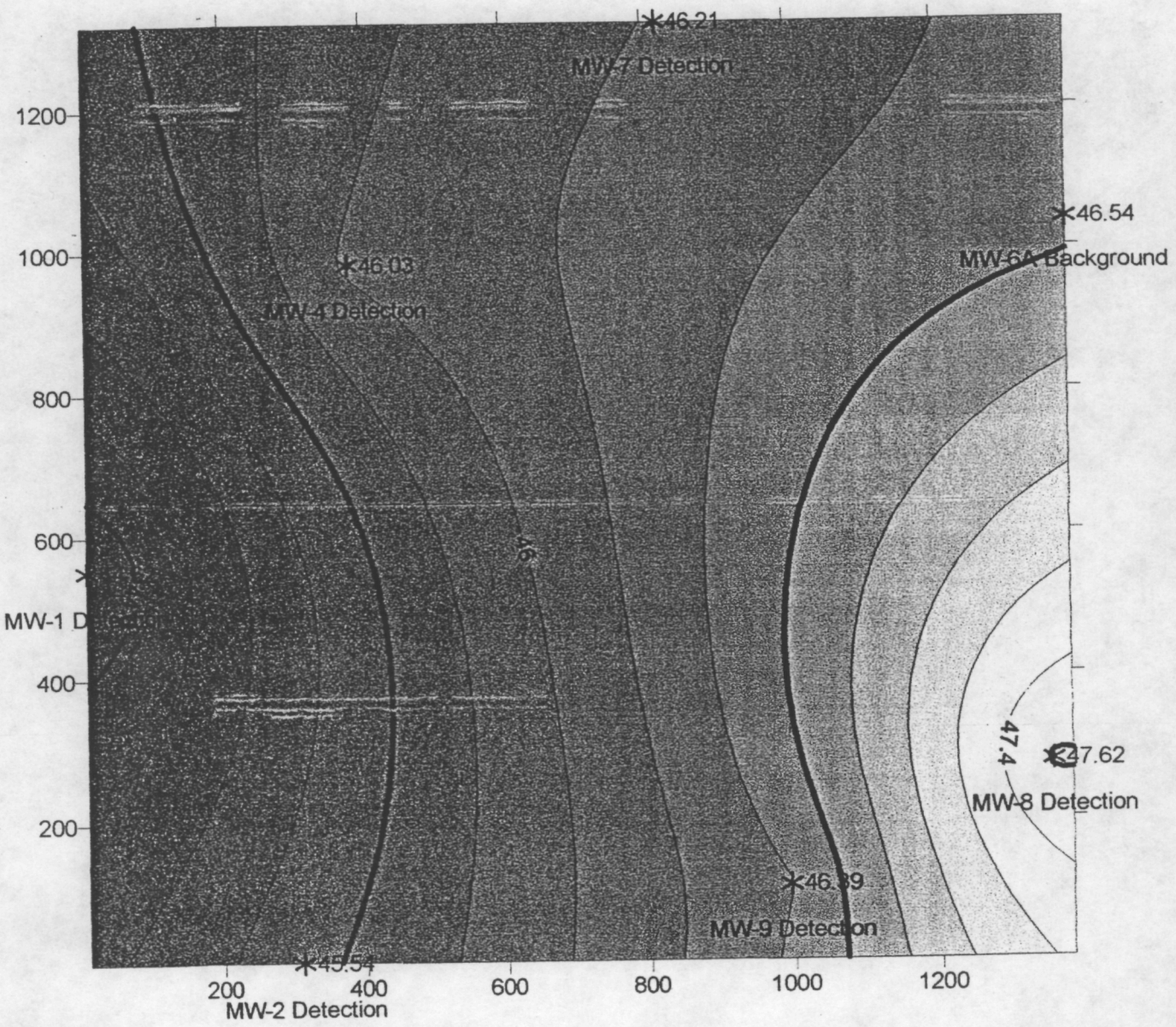
SCPW Landfill
July 9 and 10, 2003



Sumter County Solid Waste
2nd Quarter 2003

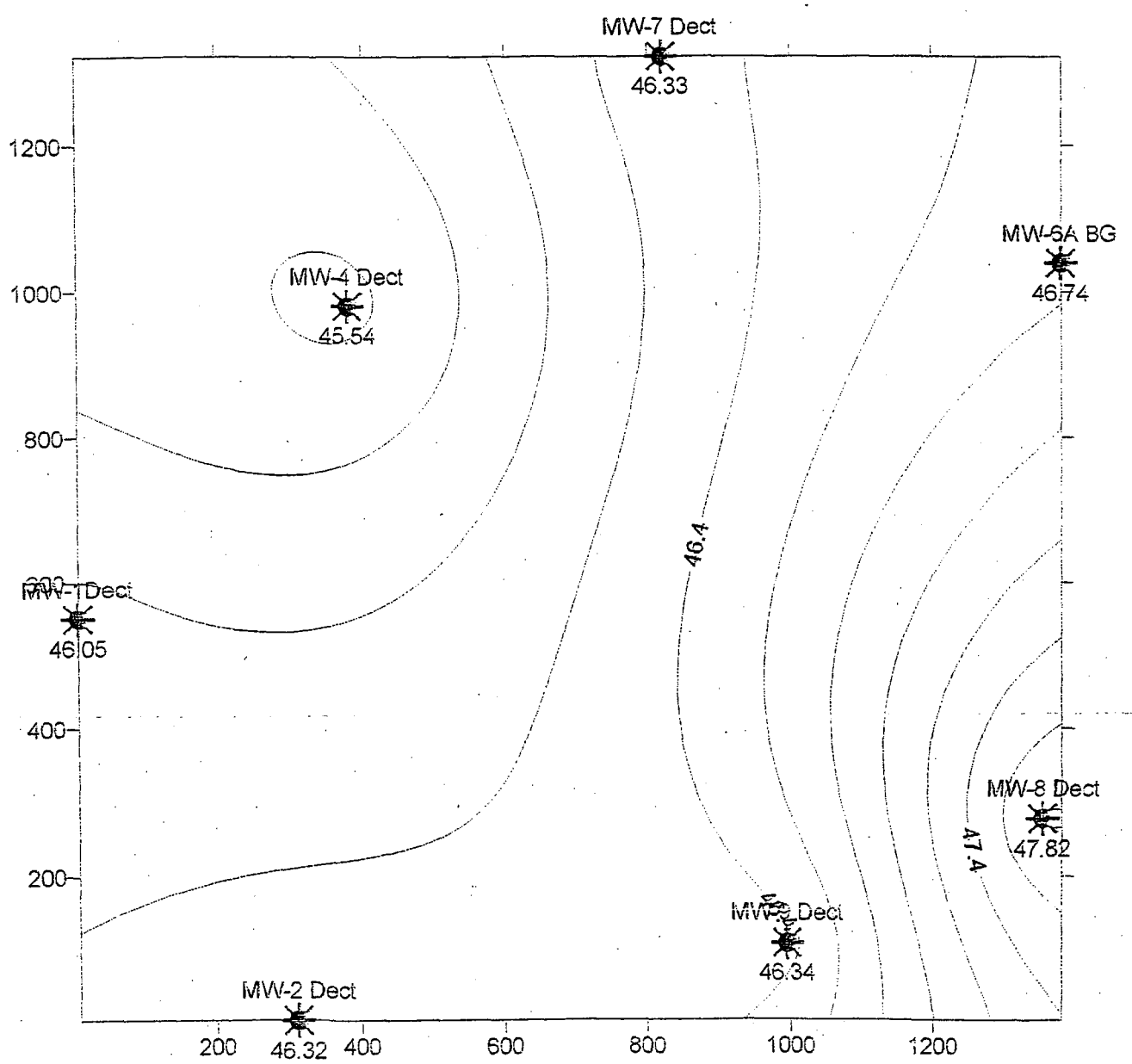


Sumter County Public Works Landfill
Contour Map 1st Quarter 2003



Sumter County Public Works 4th Quarter 2002 Sample Event

10/31/2002



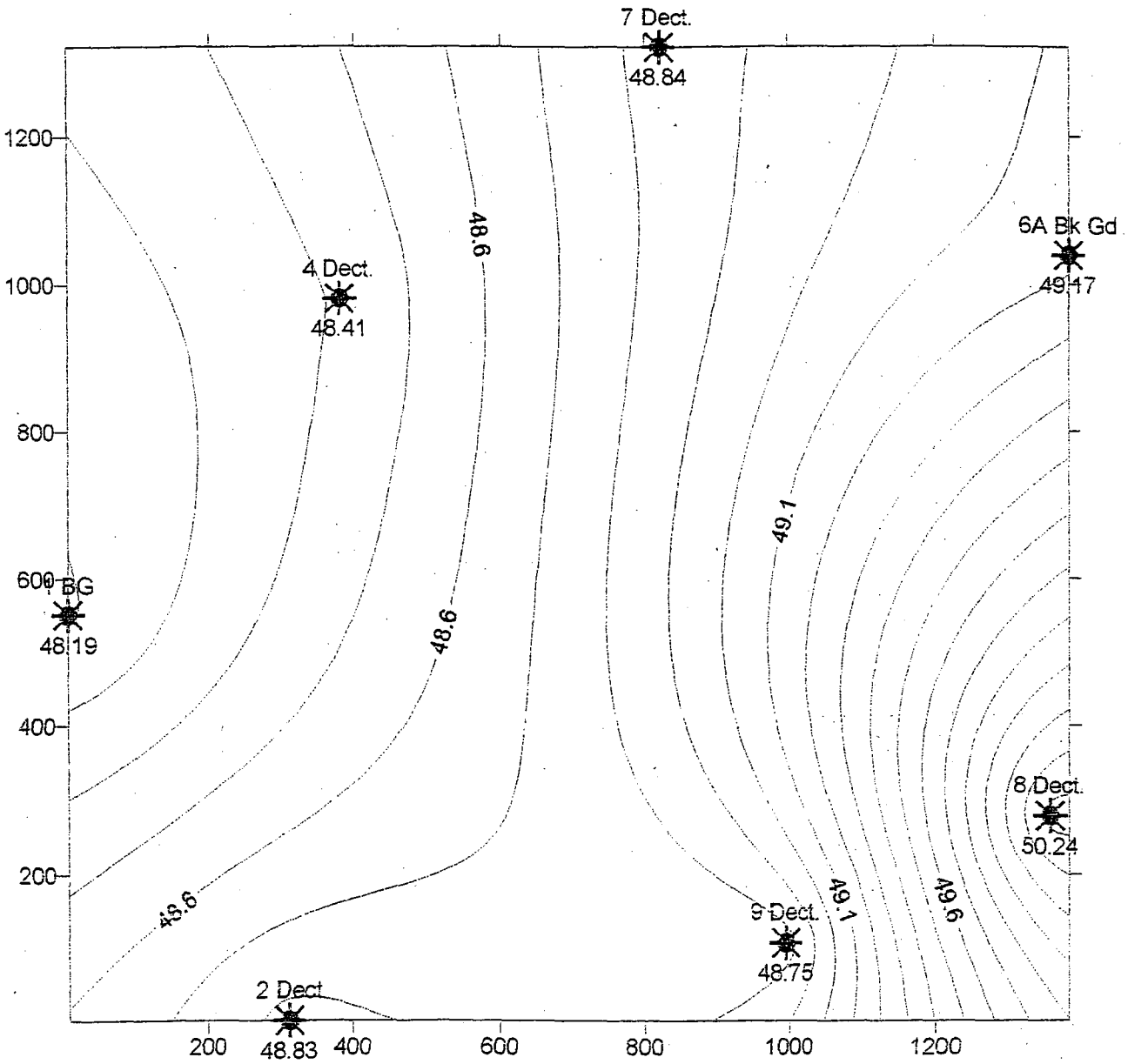
Sampled By: Alan Kerr and Elizabeth Jackson

Sumter County Solid Waste

3rd Quarter 2002 Groundwater Sampling Event

GMS # 4060C00092 Permit # 22926-002-SF

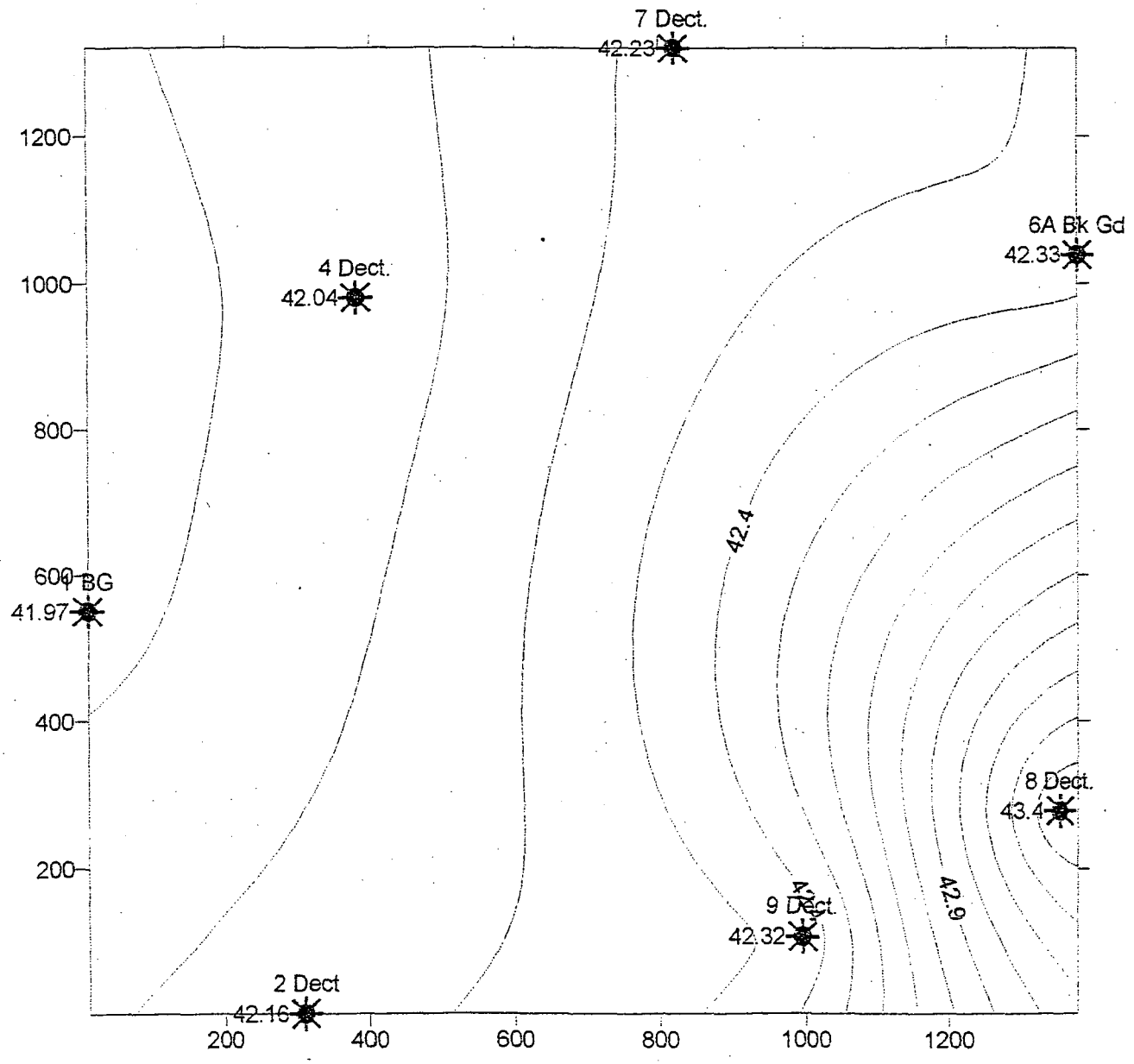
8-23-02



Sumter County Public Works

June 17, 2002

2nd Quarter 2002 Groundwater Sampling Event

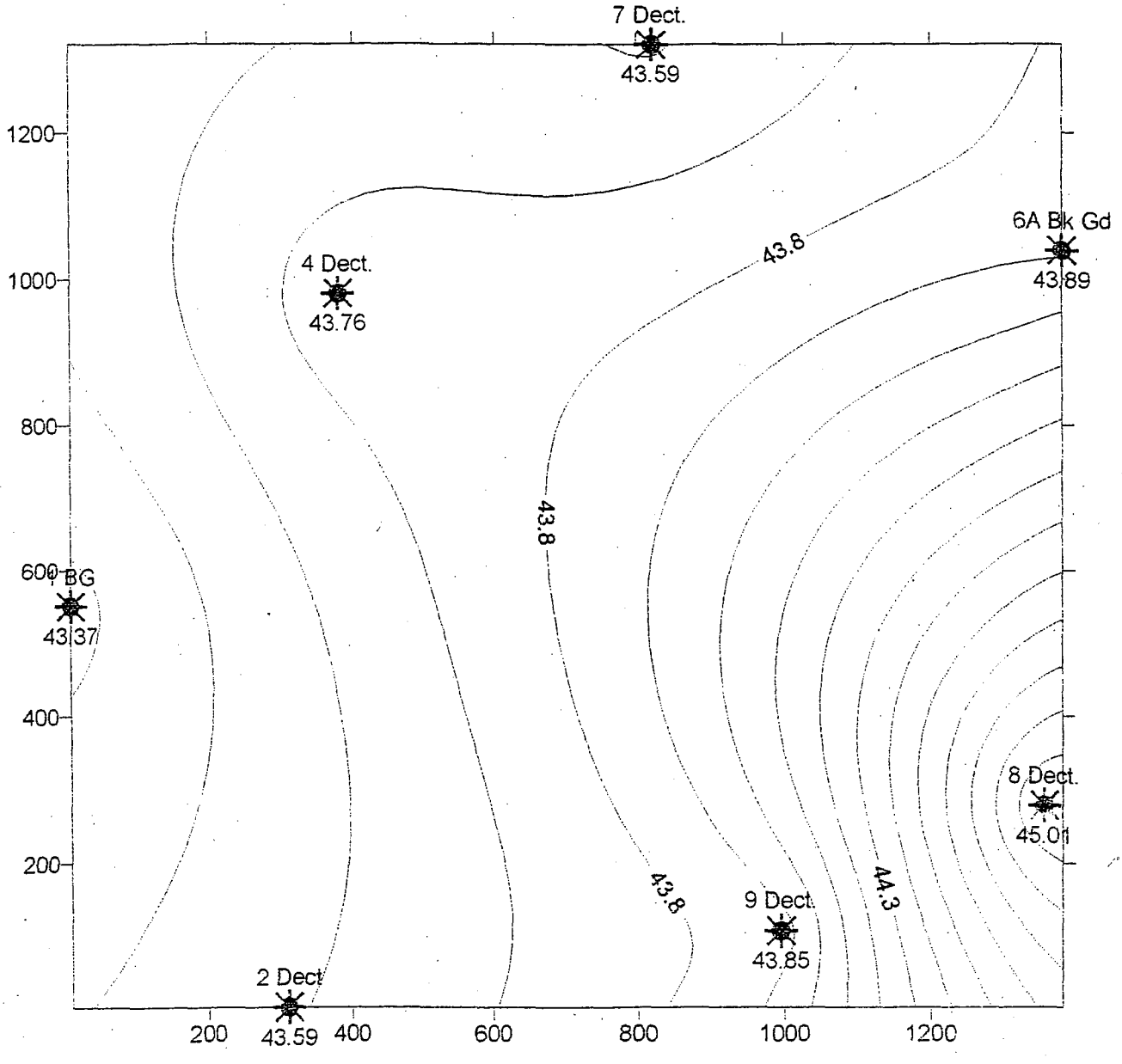


Groundwater Direction Map Scale 1" = 60 Feet

Sumter County Public Works

1-22-2001

1st Quarter 2002 Groundwater Sampling Event



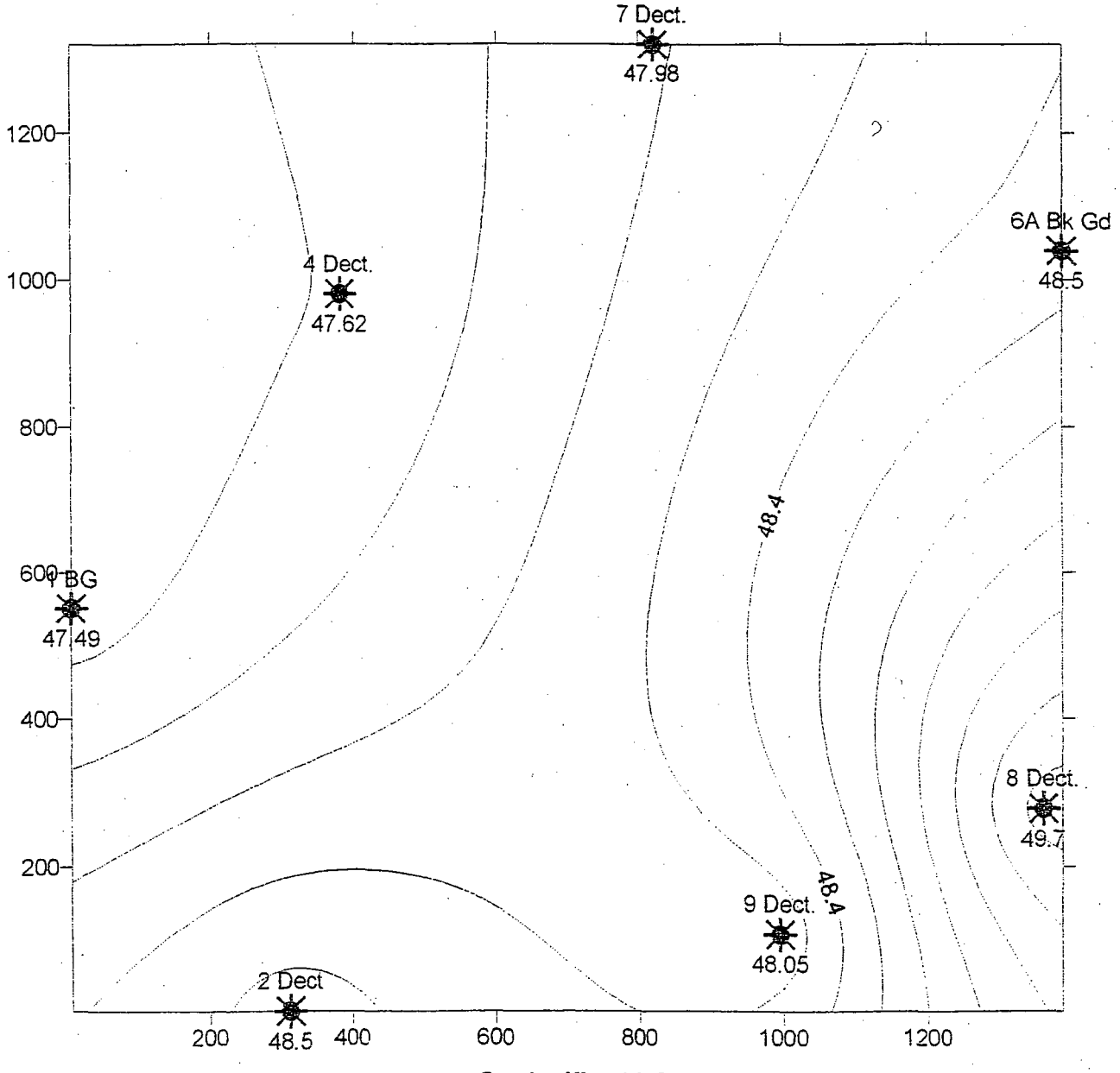
Groundwater Direction Map

Scale 1" = 60 feet

Sumter County Public Works

10-11-2001

4th Quarter 2001 Groundwater Sampling Event



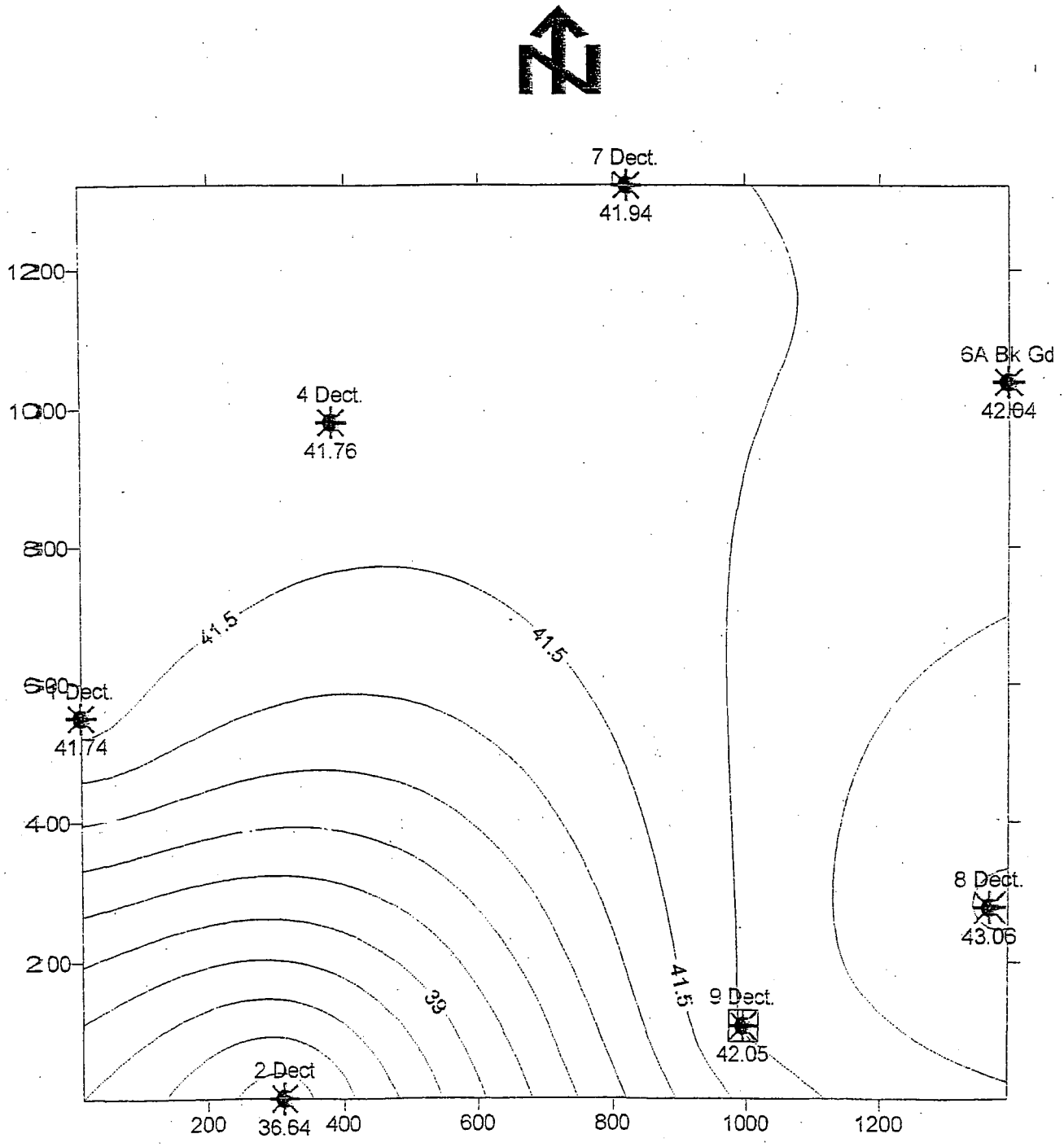
Scale 1" = 60 feet

Groundwater Direction Map

Sumter County Public Works

7/23/2001

3rd Quarter 2001



Scale 1" = 60 Feet

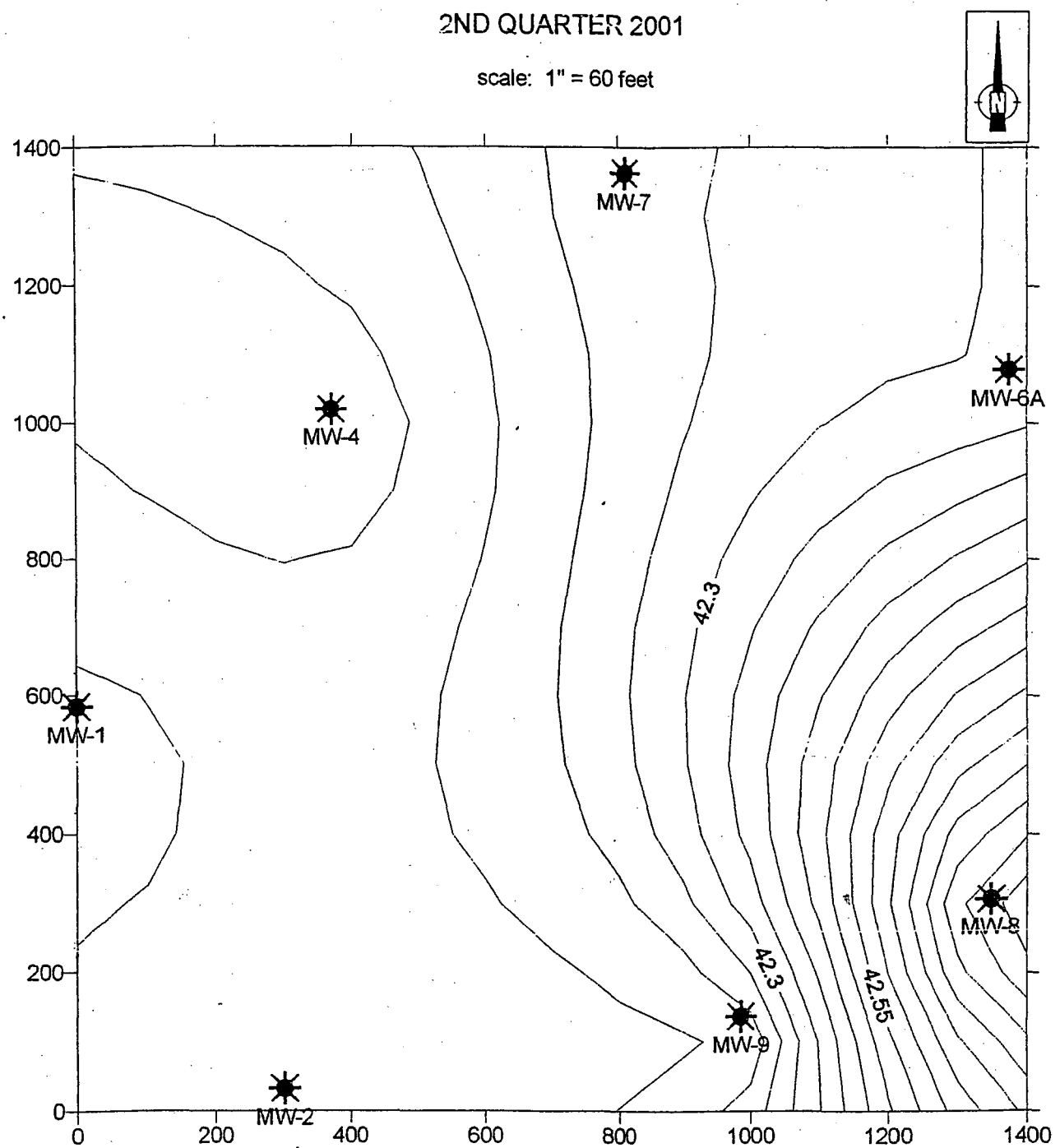
Water Flow Direction Map

Project No. [illegible]

SUMTER COUNTY PUBLIC WORKS

2ND QUARTER 2001

scale: 1" = 60 feet

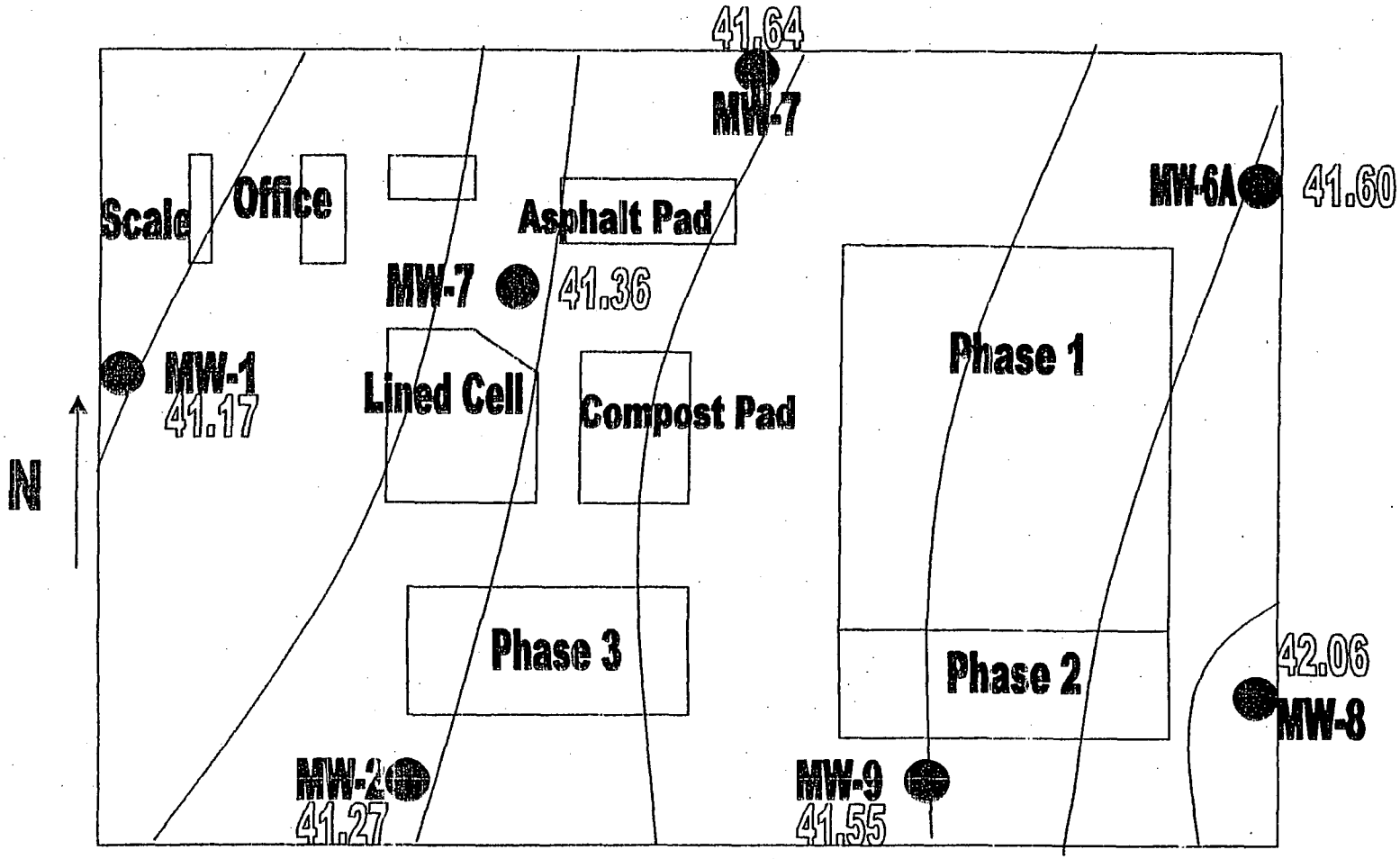


Central Testing Laboratory
ENGINEERING & MATERIALS TESTING

723 SOUTH 14TH STREET
LEESBURG, FL 34748
(352)787-1268

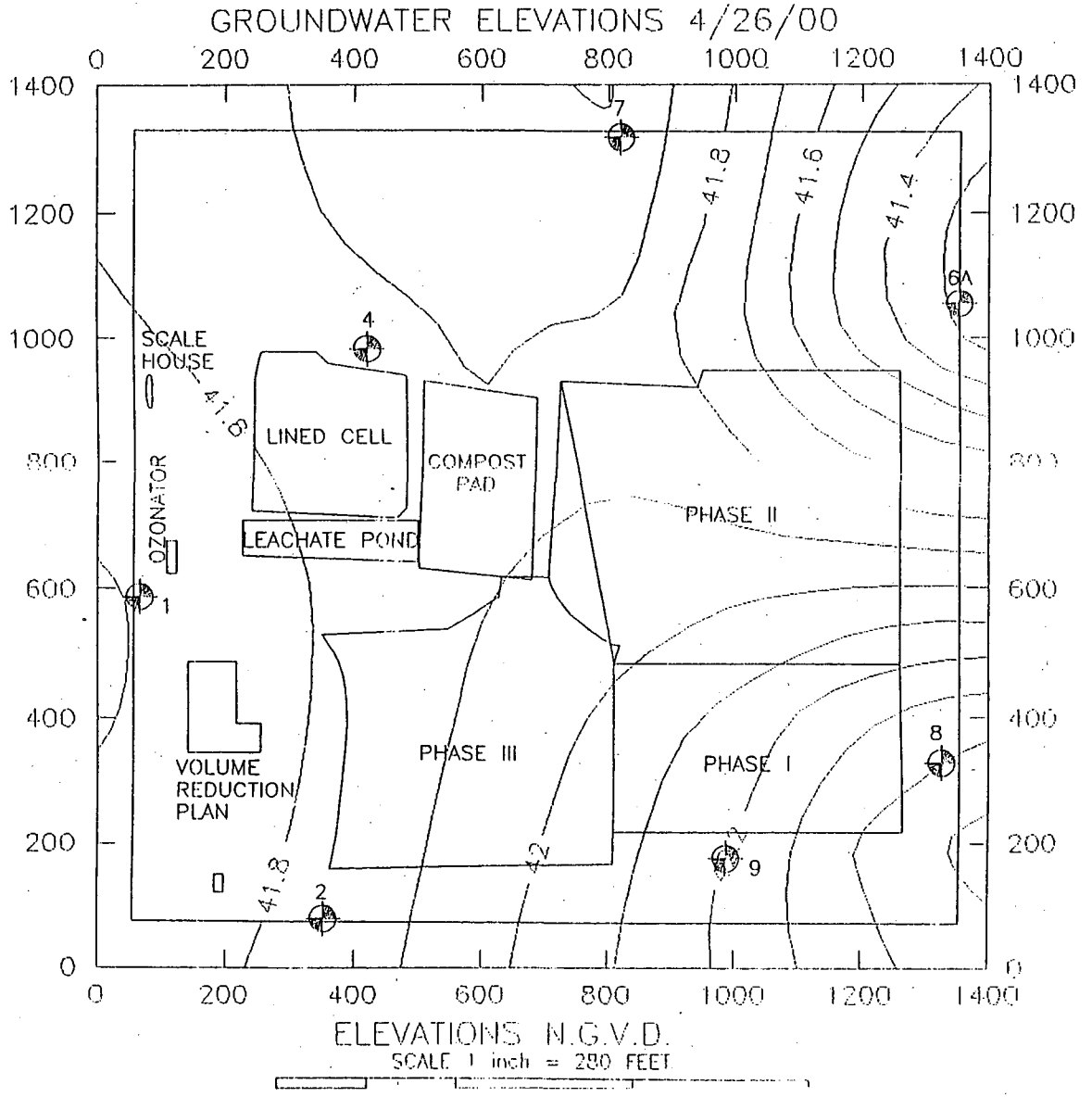
PROJECT NO. 0184009.300 CONTOUR MAP	DRAWN BY: PS CHECKED BY: TJS DATE: 5/18/01	SUMTER COUNTY PUBLIC WORKS DEPT. 2ND QUARTER 2001

Not To Scale

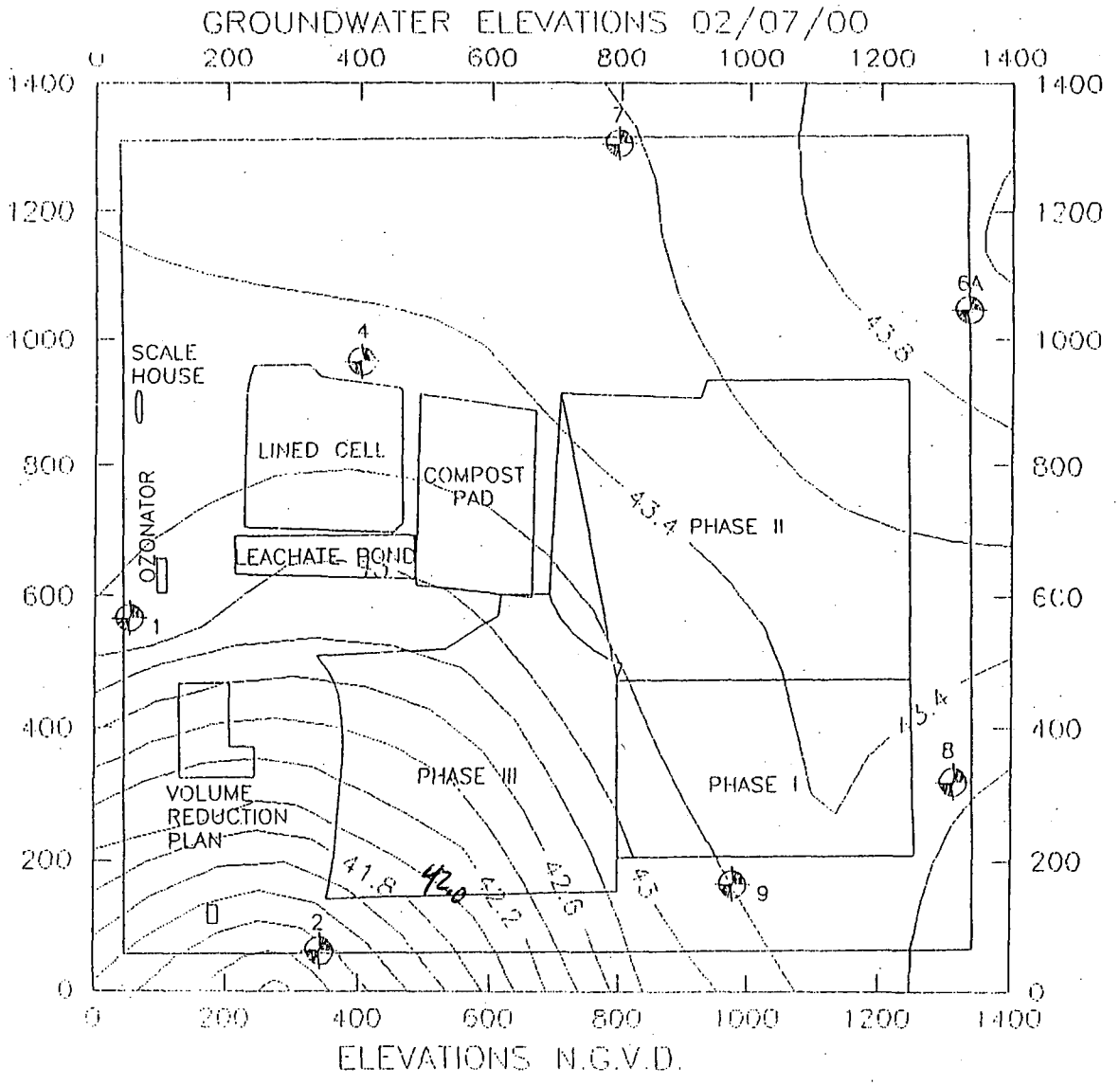


Central Testing Laboratory ENGINEERING & MATERIALS TESTING		723 SOUTH 14TH STREET LEESBURG, FL 34748 (352)787-1268
Sumter County Public Works, Solid Waste Department	DRAWN BY: PS CHECKED BY: TJS DATE: 2/19/01	1st Quarter G.W. Sampling - 2001

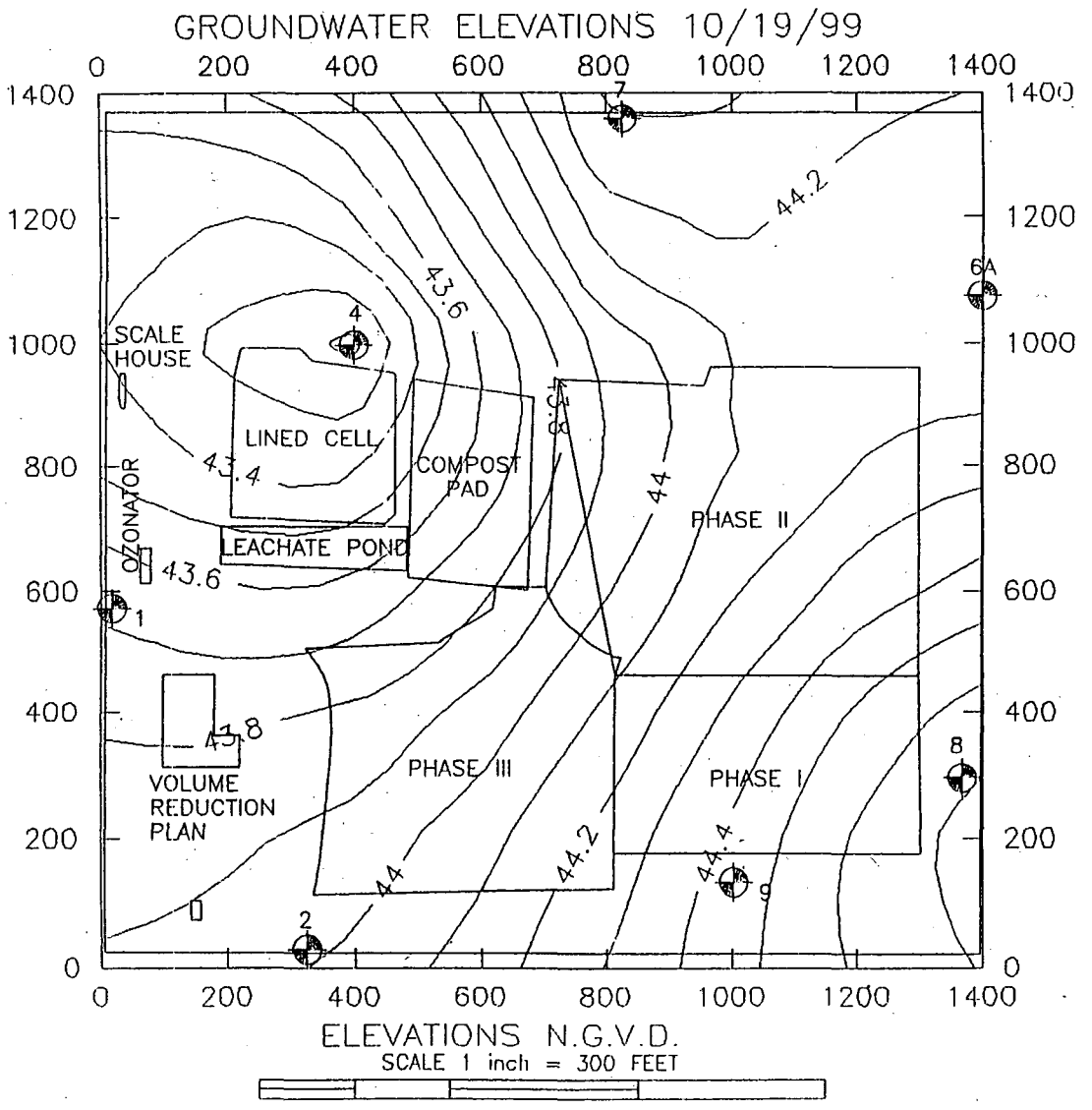
SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY



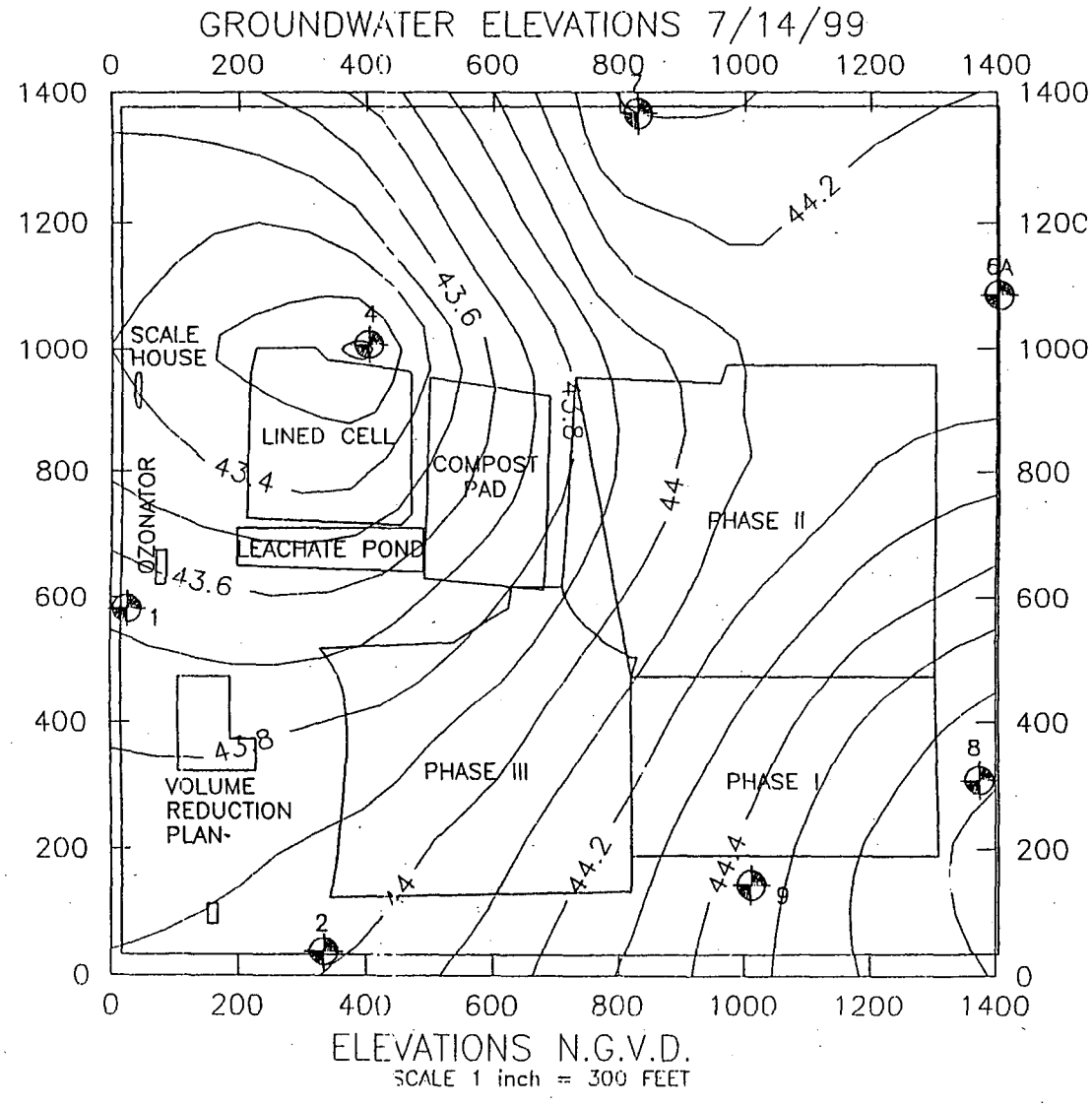
SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY



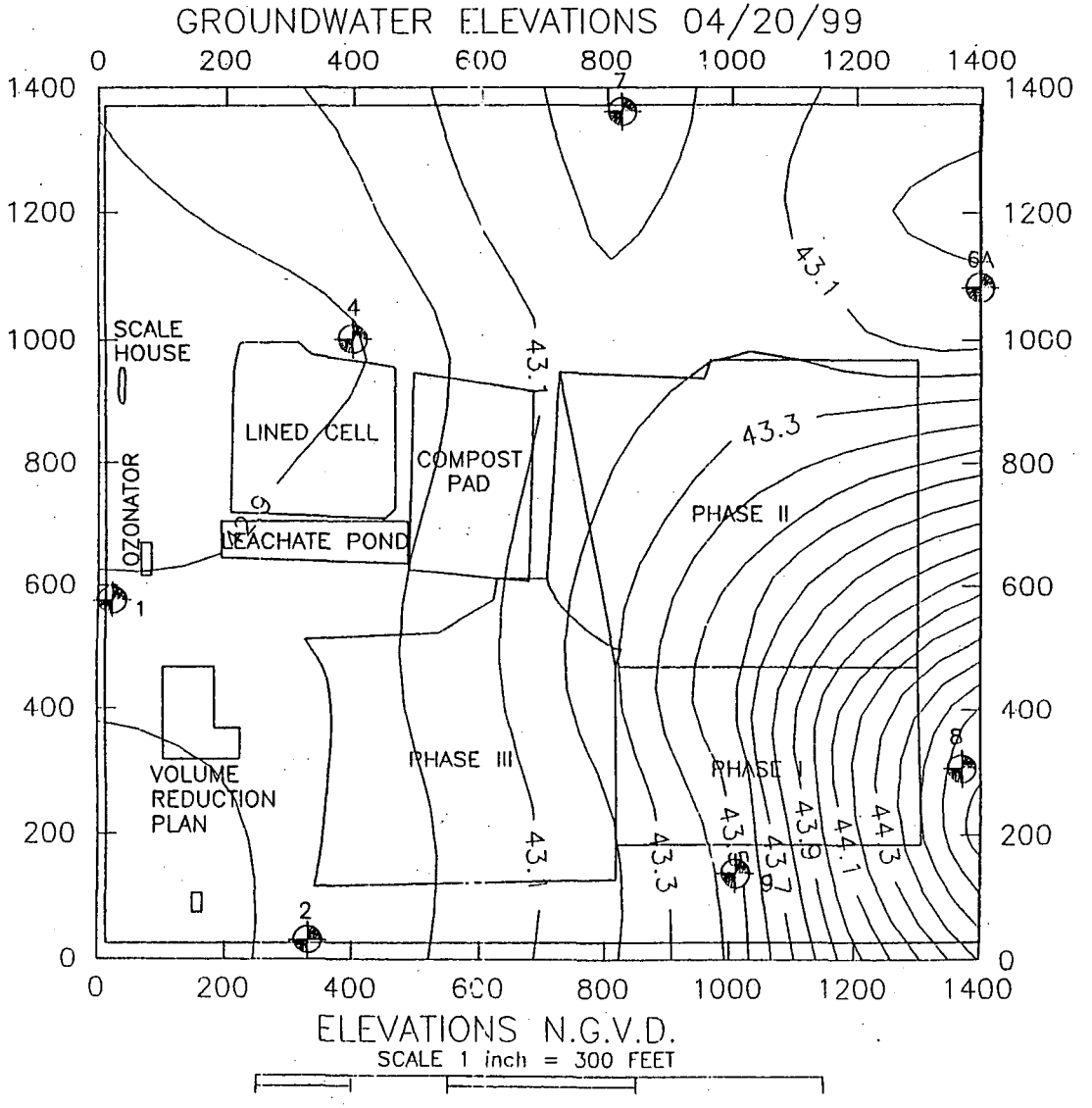
SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY



SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY

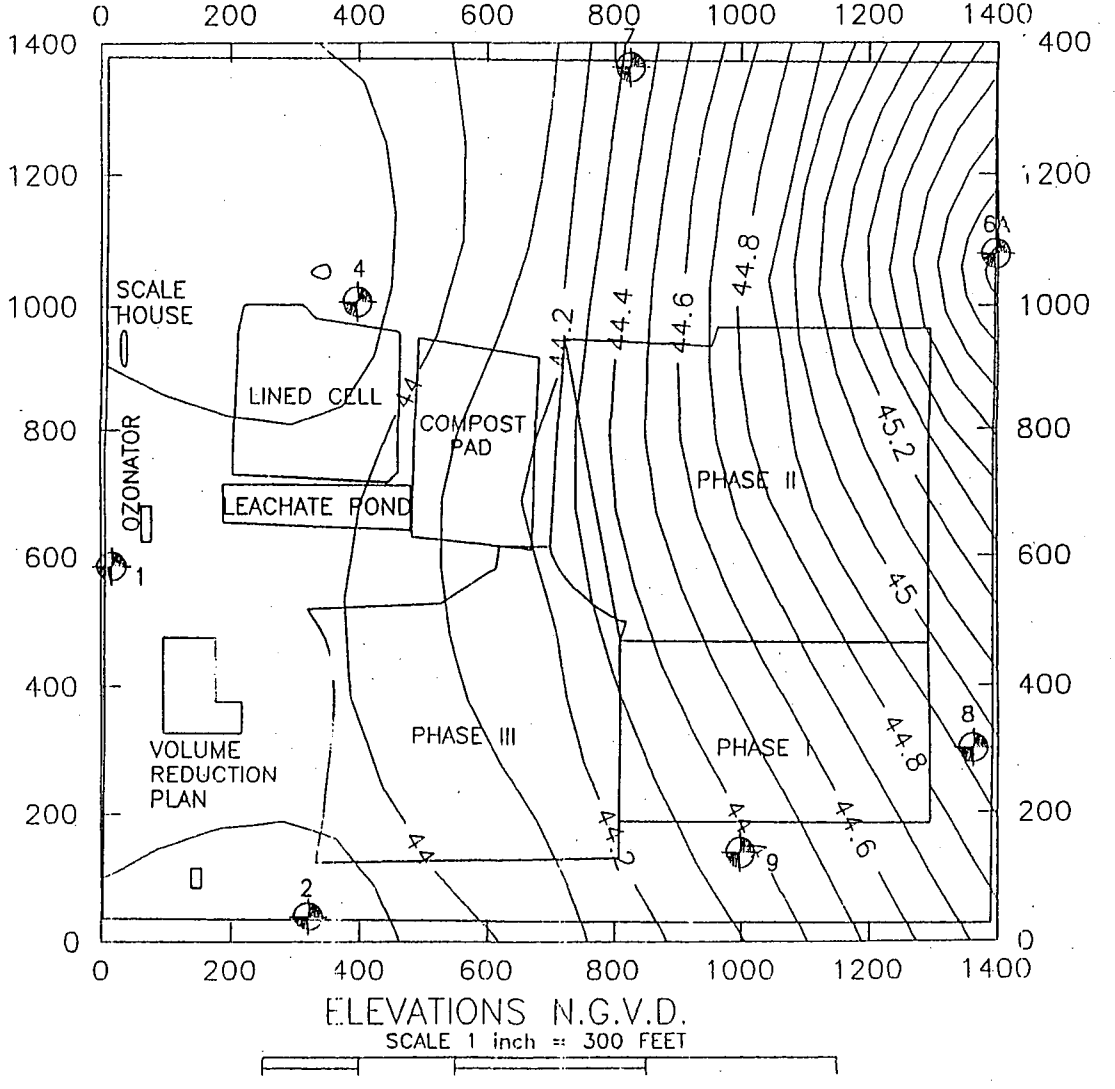


SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY



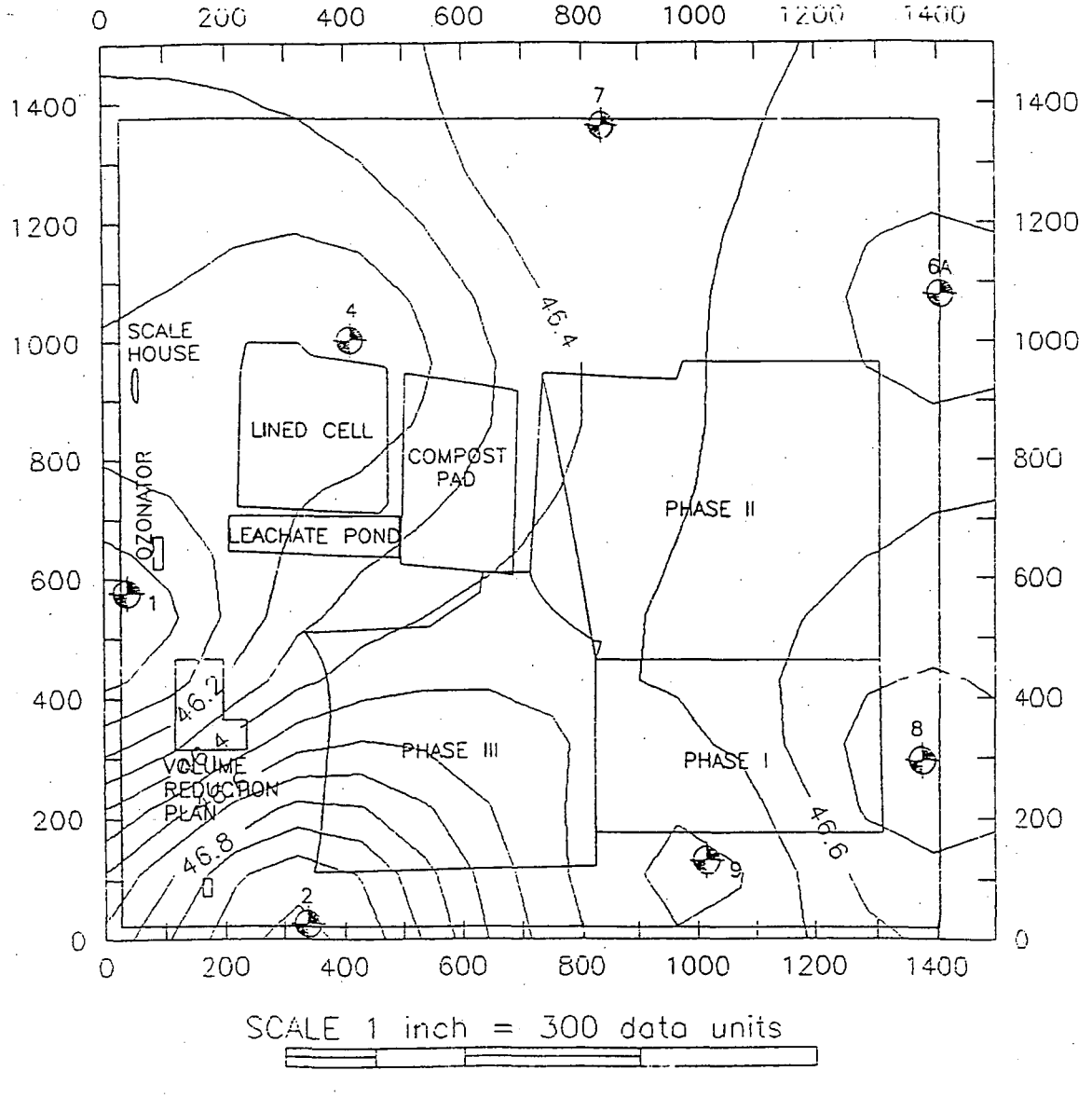
SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY

GROUNDWATER ELEVATIONS 02/02/99



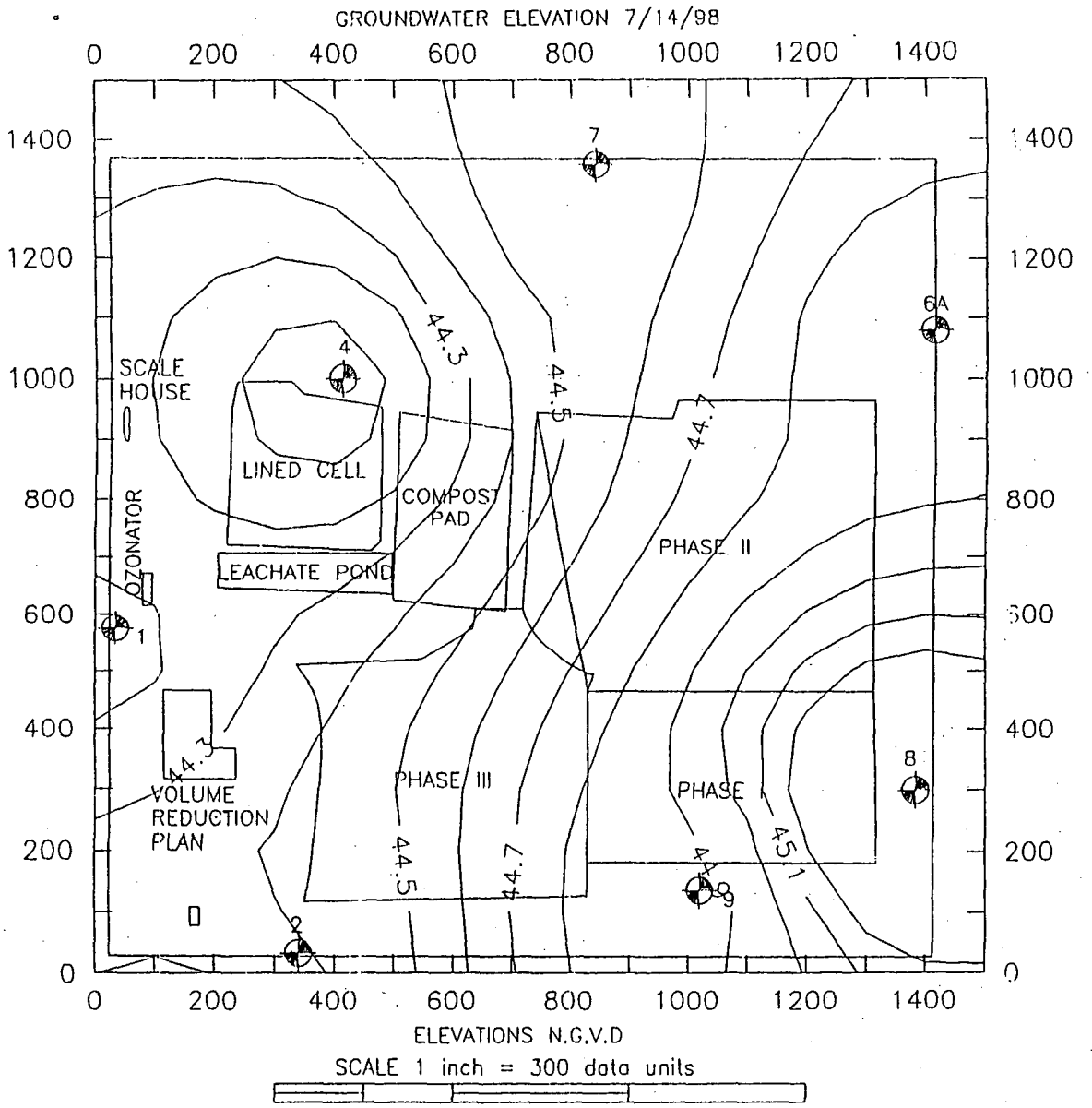
SUMTER COUNTY SOLID WASTE FACILITY

GROUNDWATER ELEVATION MAP 10/13/98



SCALE 1 inch = 300 data units

SUMTER COUNTY SOLID WASTE MANAGEMENT FACILITY



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SURVEYING DATA

Springstead Engineering, inc.
Consulting Engineers - Architects - Planners - Surveyors

EB - 0001723
AA - 0002820
LB - 0001723

727 South 14th Street
Leesburg, Florida 34748

Lake (352) 787-1414
Sumter (352) 793-3639
Fax (352) 787-7221

January 14, 2005

Mr. Rick Potts
Colinas Group
509 N. Virginia Avenue
Winter Park, Florida 32789

RE: SC Landfill – New Monitoring Wells
SEI File No. 921100.021

Dear Mr. Potts:

As per your letter and map dated January 10, 2005, please find below the elevations and latitude/longitude locations of the new monitoring wells at the Sumter County Landfill:

Station	*Elevation*	*Top of Casing or /Ground*	*Latitude*	*Longitude*
MW-4B	73.83	Top of Casing	N. 28° 44' 40.46248	W. 82° 05 27.01841
Ground 4B	70.83	Ground	N. 28° 44' 40.46248	W. 82° 05 27.01841
MW4A	75.73	Top of Casing	N. 28° 44' 39.19336	W. 82° 05' 27.79582
Ground 4A	72.28	Ground	N. 28° 44' 39.19336	W. 82° 05' 27.79582
MW-2A	72.11	Top of Casing	N. 28° 44' 31.89308	W. 82° 05' 28.28373
Ground 2A	69.35	Ground	N. 28° 44' 31.89308	W. 82° 05' 28.28373

I trust this information meets your needs at this time. Should you have any questions or require additional information, please contact our office.

Sincerely,
Springstead Engineering, Inc.

Steven B. Wiley, PSM

SBW/jal