

Analytical Results from Private Well Samples at the Southeast Landfill February 12, 2002

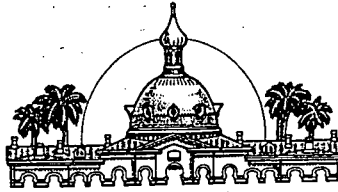
REC'D
5/20/02

GENERAL (mg/l)	Private Wells				(MCL) STANDARD
PARAMETERS	Weeks	Holland	McBride	Barnes	F.A.C. 62-550
conductivity (umhos/cm) (field)	543	414	361	403	NS
pH (field)	6.98	7.03	7.62	7.40	(6.5 - 8.5)**
total dissolved solids (mg/l)	300	220	220	240	500**
temperature (°C) (field)	20.5	22.8	22.6	21.1	NS
turbidity (NTU) (field)	2.80	2.30	1.30	1.80	NS
chloride (mg/l)	23	20	7.3	8.7	250**
ammonia nitrogen (mg/l as N)	0.16	0.15	0.38	0.24	NS
nitrate (mg/l as N)	0.06	BDL	BDL	0.12	10*
dissolved oxygen (mg/l) (field)	3.6	2.7	4.3	3.9	NS
total alpha (pCi/l)	10.1	2.1	4.4	3.9	15*
radium 226 (pCi/l)	6.8	NA	NA	NA	5*
Private Wells					
Metals: (mg/l)	Weeks	Holland	McBride	Barnes	(MCL) STANDARD F.A.C. 62-550
iron	0.520	1.400	BDL	BDL	0.3**
chromium	BDL	BDL	BDL	BDL	0.2
copper	BDL	BDL	BDL	BDL	1**
barium	BDL	BDL	BDL	BDL	2*
arsenic	BDL	BDL	BDL	BDL	0.05*
lead	BDL	BDL	BDL	BDL	0.015*
sodium	8.4	5.2	8.2	15	160*
mercury	BDL	BDL	BDL	BDL	0.002
zinc	0.240	0.100	0.05	0.180	5**
Organics: (µg/l)					
E.P.A. Methods 8260	Private Wells				(MCL) STANDARD
Organic Parameters Detected	Weeks	Holland	McBride	Barnes	F.A.C. 62-550
1,1-dichloroethene	BDL	BDL	BDL	BDL	7*
Notes: Reference Groundwater Guidance Concentrations, FDEP June 1994					
NS=NO STANDARD					
MCL=MAXIMUM CONTAMINANT LEVEL					
BDL=BELOW DETECTION LIMIT					
ND=NO SURVEY DATA AVAILABLE					
*=DENOTES PRIMARY DRINKING WATER STANDARD					
**=DENOTES SECONDARY DRINKING WATER STANDARD					
6.8 EXCEEDS STANDARDS					
NTU=NEPHELOMETRIC TURBIDITY UNITS					
pCi/l=PICOCURIES PER LITER					
ug/l=MICROGRAMS PER LITER					
mg/l=MILLIGRAMS PER LITER					
(-)=indicates that the sample was not analyzed for this parameter					

Prepared by: James Clayton
QC'd by: Kim Byer
FinalQC: David Adams, P.G.

SELF202-privatewells

FEG 2002
SAMPLE
EVENT



Hillsborough County
Florida

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May 23, 2002

Ms. Irene Barnes
Southeast Hillsborough Civic Association, Inc.
P.O. Box 108
Lithia, FL 33547

Subject: Domestic Supply Wells in the vicinity of the Southeast County Landfill
Analytical Data Report

Dear Ms. Barnes:

The Hillsborough County Solid Waste Management Department (SWMD) is pleased to provide the analytical data from of the four domestic supply wells in the vicinity of the Southeast County Landfill. The sampling was conducted on February 12, 2002.

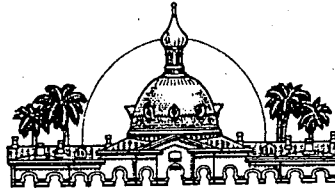
If you or any member of SEHCA have any questions concerning the analyses, please call me at 276-2955, or David Adams at 276-2944.

Sincerely,

Kim Byer
Hydrologist
Solid Waste Management Department

Enclosures

xc: Thomas G. Smith, Solid Waste Management Department
Patricia Berry, Solid Waste Management Department
David S. Adams, P.G., Solid Waste Management Department



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May 23, 2002

Mr. Howard Barnes
P.O. Box 108
Lithia, FL 33547

Subject: Analytical Data
Domestic Supply Well
121 Carter Road

Dear Mr. Barnes:

The Hillsborough County Solid Waste Management Department (SWMD) is pleased to provide the analytical data for your domestic supply well which was sampled on February 12, 2002. The results are within Florida Primary and Secondary Drinking Water Standards (FAC Ch 62-550.310-320) for the parameters tested.

If you have any questions on the analysis, you may call me at 276-2955. Thank you for permission to test this well.

Sincerely,

Kim Byer
Hydrologist
Solid Waste Management Department

kab

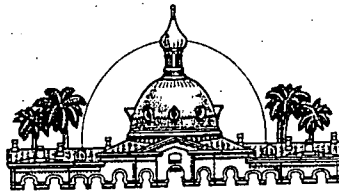
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xc: Thomas G. Smith, Solid Waste Management Department
Patricia Berry, Solid Waste Management Department
David S. Adams, P.G., Solid Waste Management Department
Matt Matthews, Solid Waste Management Department
Irene Barnes, Southeast Hillsborough Civic Association
Jordan Lewis, Hillsborough County Health Department
Paul Schipfer, Environmental Protection Commission

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May 23, 2002

Mr. Tom Holland
121 Carter Road
Lithia, FL 33547

Subject: Analytical Data
Domestic Supply Well
121 Carter Road

Dear Mr. Holland:

The Hillsborough County Solid Waste Management Department (SWMD) is pleased to provide the analytical data for your domestic supply well which was sampled on February 12, 2002. Iron was observed at concentration of 1.40 mg/l which is an exceedance of the Florida Secondary Standard (FAC Ch 62-550.310) of 0.30 mg/l. All other results are within standards for the parameters tested.

For health effects information you may call the Hillsborough County Health Department at (813) 307-8001. If you have any questions on the analysis, you may call me at 276-2955. Thank you for your permission to test this well.

Sincerely,

Kim Byer
Hydrologist
Solid Waste Management Department

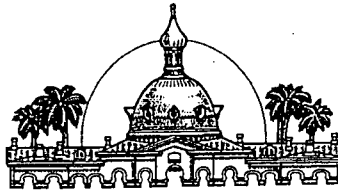
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May 23, 2002

Mr. Ellis McBride
16517 C.R. 672
Lithia, FL 33547

Subject: Analytical Data
Domestic Supply Well
16517 C.R. 672

Dear Mr. McBride:

The Hillsborough County Solid Waste Management Department (SWMD) is pleased to provide the analytical data for your domestic supply well which was sampled on February 12, 2002. All results are within Florida Primary and Secondary Drinking Water Standards (FAC Ch 62-550.310-320) for the parameters tested.

If you have any questions on the analysis, you may call me at 276-2955. Thank you for your permission to test this well.

Sincerely,

Kim Byer
Hydrologist
Solid Waste Management Department

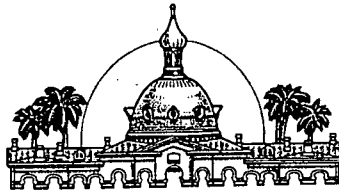
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May 23, 2002

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Mr. & Ms. Harold Weeks
116 Wendel Ave.
Lithia, FL 33547

Subject: Analytical Data
Domestic Supply Well
116 Wendel Ave.

Dear Mr. & Ms. Weeks:

The Hillsborough County Solid Waste Management Department (SWMD) is pleased to provide the analytical data for your domestic supply well which was sampled on February 12, 2002. Radium 226 and Iron were observed at concentrations of 6.8 pCi/l and 0.520 mg/l respectively. These values exceed the Florida Primary and Secondary Standards (FAC Ch 62-550.310-320) of 5 pCi/l and 0.30 mg/l respectively. All other results are within standards for the parameters tested

For health effects information you may call the Hillsborough Health Department at (813) 307-8001. If you have any questions on the analysis, you may call me at 276-2955. Thank you for your permission to test this well.

Sincerely,

Kim Byer
Hydrologist
Solid Waste Management Department

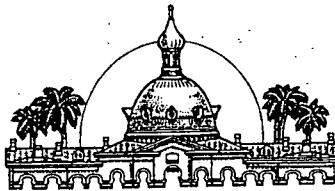
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May 23, 2002

Larry Ruiz
SCS Engineers
3012 U.S. Highway 301 North
Suite 700
Tampa, FL 33619

Subject: Southeast County Landfill Semi-Annual Analytical Data Report
Permit# S029-256427

Dear Mr. Ruiz:

Enclosed is a copy of the complete semi-annual Analytical Data Report for the Southeast Landfill for February 11-13, 2002. Should you have any questions, comments, or suggestions concerning this report please contact me at 276-2955 or David Adams at 276-2944.

Sincerely,

Kim Byer
Hydrologist
Solid Waste Management Department

KAB:AB

Attachment

xc: David S. Adams, P.G., Environmental Manager, SWMD
Thomas G. Smith, Section Manager, SWMD



PARAMETER MONITORING REPORT
(Rule 62-520.400, 62-520.420, 62-520.460)

ELAB SUBMISSION # 202000319
PROJECT : SOUTHEAST LF WELL MONITORING
ELAB REPORT NAME: DERREP->GRNDREP
SAMPLE # 0202319 5

GMS:N
Monitoring Well: WEEKS
Classification of Groundwater: GW II
Well Name:

Sample Date: 02/12/02
Well Type:

Well Development Prior to
Sample Collection (YES/NO): YES

Ground Water Elevation
(MSL):

STORET NUMBER	PARAMETER MONITORED	SAMPLING ANALYSIS		ANALYSIS	REPORTING	UNITS	FIELD FILTRATION	DATE ANALYZED
		METHOD	METHOD	RESULT	Q LIMIT			
00010	TEMPERATURE (Field)	GRAB	170.1	20.5	N/A	DEG C	UNFILTERED	02/12/02
00406	pH (Field)	GRAB	150.1	6.98	N/A	UNIT	UNFILTERED	02/12/02
00094	SPECIFIC CONDUCTANCE (Field)	GRAB	120.1	543	1	umho/cm	UNFILTERED	02/12/02
82078	TURBIDITY (Field)	GRAB	180.1	2.80	1.0	NTU	UNFILTERED	02/12/02
00299	DISSOLVED OXYGEN (Field)	GRAB	360.1	3.6	0.10	mg/L	UNFILTERED	02/12/02
00403	pH	GRAB	150.1	6.96		UNIT	UNFILTERED	02/13/02
00094	SPECIFIC CONDUCTANCE	GRAB	120.1	511	1.0	umhos/cm	UNFILTERED	02/13/02
00940	CHLORIDE	GRAB	300.0	23	0.50	mg/L	UNFILTERED	02/13/02
00610	AMMONIA NITROGEN (as N)	GRAB	350.1	0.16	0.050	mg/L	UNFILTERED	02/20/02
00620	NITRATE NITROGEN (as N)	GRAB	300.0	0.060	0.050	mg/L	UNFILTERED	02/13/02
00515	TOTAL DISSOLVED SOLIDS (TDS)	GRAB	160.1	300	5.0	mg/L	UNFILTERED	02/13/02
01007	BARIUM (TOTAL)	GRAB	6010	10	U 10	ug/L	UNFILTERED	02/18/02
01097	ANTIMONY (TOTAL)	GRAB	6010	5.0	U 5.0	ug/L	UNFILTERED	02/18/02
01002	ARSENIC (TOTAL)	GRAB	6010	5.0	U 5.0	ug/L	UNFILTERED	02/18/02
01012	BERYLLIUM (TOTAL)	GRAB	6010	1.0	U 1.0	ug/L	UNFILTERED	02/18/02
01027	CADMIUM (TOTAL)	GRAB	6010	1.0	U 1.0	ug/L	UNFILTERED	02/18/02
01034	CHROMIUM (TOTAL)	GRAB	6010	5.0	U 5.0	ug/L	UNFILTERED	02/18/02
01037	COBALT (TOTAL)	GRAB	6010	10	U 10	ug/L	UNFILTERED	02/18/02
01042	COPPER (TOTAL)	GRAB	6010	10	U 10	ug/L	UNFILTERED	02/18/02
01045	IRON (TOTAL)	GRAB	6010	520	40	ug/L	UNFILTERED	02/18/02
01051	LEAD (TOTAL)	GRAB	6010	5.0	U 5.0	ug/L	UNFILTERED	02/18/02
71900	MERCURY	GRAB	7470	0.20	U 0.20	ug/L	UNFILTERED	02/19/02
01067	NICKEL (TOTAL)	GRAB	6010	10	U 10	ug/L	UNFILTERED	02/18/02
01147	SELENIUM (TOTAL)	GRAB	6010	5.0	U 5.0	ug/L	UNFILTERED	02/18/02
00929	SODIUM (TOTAL)	GRAB	6010	8.4	0.50	mg/L	UNFILTERED	02/18/02
01087	VANADIUM (TOTAL)	GRAB	6010	10	U 10	ug/L	UNFILTERED	02/18/02
01077	SILVER (TOTAL)	GRAB	6010	10	U 10	ug/L	UNFILTERED	02/18/02



PARAMETER MONITORING REPORT
(Rule 62-520.400, 62-520.420, 62-520.460)

ELAB SUBMISSION # 202000319
PROJECT : SOUTHEAST LF WELL MONITORING
ELAB REPORT NAME: DERREP->GRNDREP
SAMPLE # 0202319 5

GMS:N
Monitoring Well: WEEKS
Classification of Groundwater: GW II
Well Name:

Sample Date: 02/12/02
Well Type:

Well Development Prior to
Sample Collection (YES/NO): YES

Ground Water Elevation
(MSL):

STORET NUMBER	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULT	REPORTING Q	REPORTING LIMIT	UNITS	FIELD FILTRATION	DATE ANALYZED
01059	THALLIUM (TOTAL)	GRAB	7841	1.0	U	1.0	ug/L	UNFILTERED	02/19/02
01092	ZINC (TOTAL)	GRAB	6010	240		20	ug/L	UNFILTERED	02/18/02
34516	1,1,2,2-TETRACHLOROETHANE	GRAB	8260	0.20	U	0.20	ug/L	UNFILTERED	02/15/02
77562	1,1,1,2-TETRACHLOROETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34511	1,1,2-TRICHLOROETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34506	1,1,1-TRICHLOROETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34496	1,1-DICHLOROETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34501	1,1-DICHLOROETHENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
77443	1,2,3-TRICHLOROPROPANE	GRAB	8260	0.20	U	0.20	ug/L	UNFILTERED	02/15/02
34531	1,2-DICHLOROETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34566	1,2-DICHLOROPROPANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34215	ACRYLONITRILE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
81595	2-BUTANONE (MEK)	GRAB	8260	10	U	10	ug/L	UNFILTERED	02/15/02
34704	cis-1,3-DICHLOROPROPENE	GRAB	8260	0.20	U	0.20	ug/L	UNFILTERED	02/15/02
77103	2-HEXANONE (MBK)	GRAB	8260	10	U	10	ug/L	UNFILTERED	02/15/02
82552	ACETONE	GRAB	8260	10	U	10	ug/L	UNFILTERED	02/15/02
81596	4-METHYL-2-PENTANONE (MIBK)	GRAB	8260	10	U	10	ug/L	UNFILTERED	02/15/02
34030	BENZENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
73085	BROMOCHLOROMETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
32101	BROMODICHLOROMETHANE	GRAB	8260	0.60	U	0.60	ug/L	UNFILTERED	02/15/02
32104	BROMOFORM	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34413	BROMOMETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34699	trans-1,3-DICHLOROPROPENE	GRAB	8260	0.20	U	0.20	ug/L	UNFILTERED	02/15/02
77041	CARBON DISULFIDE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
77268	trans-1,4-DICHLORO-2-BUTENE	GRAB	8260	10	U	10	ug/L	UNFILTERED	02/15/02
32102	CARBON TETRACHLORIDE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
77424	IODOMETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02



PARAMETER MONITORING REPORT
(Rule 62-520.400, 62-520.420, 62-520.460)

ELAB SUBMISSION # 202000319
PROJECT : SOUTHEAST LF WELL MONITORING
ELAB REPORT NAME: DERREP->GRNDREP
SAMPLE # 0202319 5

GMS:N
Monitoring Well: WEEKS
Classification of Groundwater: GW II
Well Name:

Sample Date: 02/12/02
Well Type:

Well Development Prior to
Sample Collection (YES/NO): YES

Ground Water Elevation
(MSL):

STORET NUMBER	PARAMETER MONITORED	SAMPLING ANALYSIS		ANALYSIS		REPORTING		FIELD FILTRATION	DATE ANALYZED
		METHOD	METHOD	RESULT	Q	LIMIT	UNITS		
34301	CHLOROBENZENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34311	CHLOROETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
32106	CHLOROFORM	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
32418	CHLOROMETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
77093	cis-1,2-DICHLOROETHENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
32105	DIBROMOCHLOROMETHANE	GRAB	8260	0.40	U	0.40	ug/L	UNFILTERED	02/15/02
77596	DIBROMOMETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34371	ETHYLBENZENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34423	METHYLENE CHLORIDE	GRAB	8260	5.0	U	5.0	ug/L	UNFILTERED	02/15/02
77128	STYRENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34475	TETRACHLOROETHENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34010	TOLUENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34546	trans-1,2-DICHLOROETHENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
39180	TRICHLOROETHENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34488	TRICHLOROFLUOROMETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
77057	VINYL ACETATE	GRAB	8260	2.0	U	2.0	ug/L	UNFILTERED	02/15/02
39175	VINYL CHLORIDE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34020	XYLENES (Total)	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
49146	1,2-DIBROMO-3- CHLOROPROPANE	GRAB	8011	0.020	U	0.020	ug/L	UNFILTERED	02/16/02
34536	1,2-DICHLOROBENZENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34571	1,4-DICHLOROBENZENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
77651	ETHYLENE DIBROMIDE	GRAB	8011	0.020	U	0.020	ug/L	UNFILTERED	02/16/02
11501	RADIUM 228	GRAB	EPA ALT.	1.9+/-0.8			pCi/L	UNFILTERED	03/04/02
80045	GROSS ALPHA	GRAB	900.0	10.1+/-2.5			pCi/L	UNFILTERED	02/20/02
09501	RADIUM 226	GRAB	903.1	6.8+/-0.4			pCi/L	UNFILTERED	03/04/02

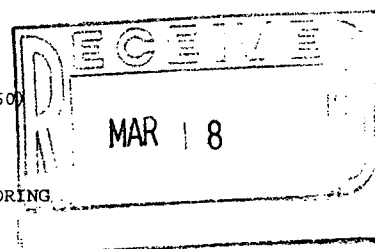
Data Qualifier Code Key:

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.



PARAMETER MONITORING REPORT
(Rule 62-520.400, 62-520.420, 62-520.460)

ELAB SUBMISSION # 20200319
PROJECT : SOUTHEAST LF WELL MONITORING
ELAB REPORT NAME: DERREP->GRNDREP
SAMPLE # 0202319 3



GMS:N
Monitoring Well: HOLLAND
Classification of Groundwater: GW II
Well Name:

Sample Date: 02/12/02
Well Type:

Well Development Prior to
Sample Collection (YES/NO): YES

Ground Water Elevation
(MSL):

STORET NUMBER	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULT	REPORTING Q	REPORTING LIMIT	UNITS	FIELD FILTRATION	DATE ANALYZED
00010	TEMPERATURE (Field)	GRAB	170.1	22.8		N/A	DEG C	UNFILTERED	02/12/02
00406	pH (Field)	GRAB	150.1	7.03		N/A	UNIT	UNFILTERED	02/12/02
00094	SPECIFIC CONDUCTANCE (Field)	GRAB	120.1	414		1	umho/cm	UNFILTERED	02/12/02
82078	TURBIDITY (Field)	GRAB	180.1	2.30		1.0	NTU	UNFILTERED	02/12/02
00299	DISSOLVED OXYGEN (Field)	GRAB	360.1	2.7		0.10	mg/L	UNFILTERED	02/12/02
00403	pH	GRAB	150.1	6.92			UNIT	UNFILTERED	02/13/02
00094	SPECIFIC CONDUCTANCE	GRAB	120.1	406		1.0	umhos/cm	UNFILTERED	02/13/02
00940	CHLORIDE	GRAB	300.0	20		0.50	mg/L	UNFILTERED	02/13/02
00610	AMMONIA NITROGEN (as N)	GRAB	350.1	0.15		0.050	mg/L	UNFILTERED	02/20/02
00620	NITRATE NITROGEN (as N)	GRAB	300.0	0.050	U	0.050	mg/L	UNFILTERED	02/13/02
00515	TOTAL DISSOLVED SOLIDS (TDS)	GRAB	160.1	220		5.0	mg/L	UNFILTERED	02/13/02
01007	BARIUM (TOTAL)	GRAB	6010	10	U	10	ug/L	UNFILTERED	02/18/02
01097	ANTIMONY (TOTAL)	GRAB	6010	5.0	U	5.0	ug/L	UNFILTERED	02/18/02
01002	ARSENIC (TOTAL)	GRAB	6010	5.0	U	5.0	ug/L	UNFILTERED	02/18/02
01012	BERYLLIUM (TOTAL)	GRAB	6010	1.0	U	1.0	ug/L	UNFILTERED	02/18/02
01027	CADMIUM (TOTAL)	GRAB	6010	1.0	U	1.0	ug/L	UNFILTERED	02/18/02
01034	CHROMIUM (TOTAL)	GRAB	6010	5.0	U	5.0	ug/L	UNFILTERED	02/18/02
01037	COBALT (TOTAL)	GRAB	6010	10	U	10	ug/L	UNFILTERED	02/18/02
01042	COPPER (TOTAL)	GRAB	6010	10	U	10	ug/L	UNFILTERED	02/18/02
01045	IRON (TOTAL)	GRAB	6010	1400		40	ug/L	UNFILTERED	02/18/02
01051	LEAD (TOTAL)	GRAB	6010	5.0	U	5.0	ug/L	UNFILTERED	02/18/02
71900	MERCURY	GRAB	7470	0.20	U	0.20	ug/L	UNFILTERED	02/19/02
01067	NICKEL (TOTAL)	GRAB	6010	10	U	10	ug/L	UNFILTERED	02/18/02
01147	SELENIUM (TOTAL)	GRAB	6010	5.0	U	5.0	ug/L	UNFILTERED	02/18/02
00929	SODIUM (TOTAL)	GRAB	6010	5.2		0.50	mg/L	UNFILTERED	02/18/02
01087	VANADIUM (TOTAL)	GRAB	6010	10	U	10	ug/L	UNFILTERED	02/18/02
01077	SILVER (TOTAL)	GRAB	6010	10	U	10	ug/L	UNFILTERED	02/18/02



PARAMETER MONITORING REPORT
(Rule 62-520.400, 62-520.420, 62-520.460)

ELAB SUBMISSION # 20200319
PROJECT : SOUTHEAST LF WELL MONITORING
ELAB REPORT NAME: DERREP->GRNDREP
SAMPLE # 0202319 3

GMS:N
Monitoring Well: HOLLAND
Classification of Groundwater: GW II
Well Name:

Sample Date: 02/12/02
Well Type:

Well Development Prior to
Sample Collection (YES/NO): YES

Ground Water Elevation
(MSL):

STORET NUMBER	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULT	REPORTING Q	REPORTING LIMIT	UNITS	FIELD FILTRATION	DATE ANALYZED
01059	THALLIUM (TOTAL)	GRAB	7841	1.0	U	1.0	ug/L	UNFILTERED	02/19/02
01092	ZINC (TOTAL)	GRAB	6010	100		20	ug/L	UNFILTERED	02/18/02
34516	1,1,2,2-TETRACHLOROETHANE	GRAB	8260	0.20	U	0.20	ug/L	UNFILTERED	02/15/02
77562	1,1,1,2-TETRACHLOROETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34511	1,1,2-TRICHLOROETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34506	1,1,1-TRICHLOROETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34496	1,1-DICHLOROETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34501	1,1-DICHLOROETHENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
77443	1,2,3-TRICHLOROPROPANE	GRAB	8260	0.20	U	0.20	ug/L	UNFILTERED	02/15/02
34531	1,2-DICHLOROETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34566	1,2-DICHLOROPROPANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34215	ACRYLONITRILE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
81595	2-BUTANONE (MEK)	GRAB	8260	10	U	10	ug/L	UNFILTERED	02/15/02
34704	cis-1,3-DICHLOROPROPENE	GRAB	8260	0.20	U	0.20	ug/L	UNFILTERED	02/15/02
77103	2-HEXANONE (MBK)	GRAB	8260	10	U	10	ug/L	UNFILTERED	02/15/02
82552	ACETONE	GRAB	8260	10	U	10	ug/L	UNFILTERED	02/15/02
81596	4-METHYL-2-PENTANONE (MIBK)	GRAB	8260	10	U	10	ug/L	UNFILTERED	02/15/02
34030	BENZENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
73085	BROMOCHLOROMETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
32101	BROMODICHLOROMETHANE	GRAB	8260	0.60	U	0.60	ug/L	UNFILTERED	02/15/02
32104	BROMOFORM	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34413	BROMOMETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34699	trans-1,3-DICHLOROPROPENE	GRAB	8260	0.20	U	0.20	ug/L	UNFILTERED	02/15/02
77041	CARBON DISULFIDE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
77268	trans-1,4-DICHLORO-2- BUTENE	GRAB	8260	10	U	10	ug/L	UNFILTERED	02/15/02
32102	CARBON TETRACHLORIDE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
77424	IODOMETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02



PARAMETER MONITORING REPORT
(Rule 62-520.400, 62-520.420, 62-520.460)

ELAB SUBMISSION # 202000319
PROJECT : SOUTHEAST LF WELL MONITORING
ELAB REPORT NAME: DERREP->GRNDREP
SAMPLE # 0202319 3

GMS:N
Monitoring Well: HOLLAND
Classification of Groundwater: GW II
Well Name:

Sample Date: 02/12/02
Well Type:

Well Development Prior to
Sample Collection (YES/NO): YES

Ground Water Elevation
(MSL):

STORET NUMBER	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULT	REPORTING Q	LIMIT	UNITS	FIELD FILTRATION	DATE ANALYZED
34301	CHLOROBENZENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34311	CHLOROETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
32106	CHLOROFORM	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
32418	CHLOROMETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
77093	cis-1,2-DICHLOROETHENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
32105	DIBROMOCHLOROMETHANE	GRAB	8260	0.40	U	0.40	ug/L	UNFILTERED	02/15/02
77596	DIBROMOMETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34371	ETHYLBENZENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34423	METHYLENE CHLORIDE	GRAB	8260	5.0	U	5.0	ug/L	UNFILTERED	02/15/02
77128	STYRENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34475	TETRACHLOROETHENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34010	TOLUENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34546	trans-1,2-DICHLOROETHENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
39180	TRICHLOROETHENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34488	TRICHLOROFLUOROMETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
77057	VINYL ACETATE	GRAB	8260	2.0	U	2.0	ug/L	UNFILTERED	02/15/02
39175	VINYL CHLORIDE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34020	XYLENES (Total)	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
49146	1,2-DIBROMO-3- CHLOROPROPANE	GRAB	8011	0.020	U	0.020	ug/L	UNFILTERED	02/16/02
34536	1,2-DICHLOROBENZENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34571	1,4-DICHLOROBENZENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
77651	ETHYLENE DIBROMIDE	GRAB	8011	0.020	U	0.020	ug/L	UNFILTERED	02/16/02
80045	GROSS ALPHA	GRAB	900.0	2.1+/-1.5			pCi/L	UNFILTERED	02/20/02

Data Qualifier Code Key:

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.



PARAMETER MONITORING REPORT
(Rule 62-520.400, 62-520.420, 62-520.460)

ELAB SUBMISSION # 20200319
PROJECT : SOUTHEAST LF WELL MONITORING
ELAB REPORT NAME: DERREP->GRNDREP
SAMPLE # 0202319 6

GMS:N
Monitoring Well: MCBRIDE
Classification of Groundwater: GW II
Well Name:

Sample Date: 02/12/02
Well Type:

Well Development Prior to
Sample Collection (YES/NO): YES

Ground Water Elevation
(MSL):

STORET NUMBER	PARAMETER MONITORED	SAMPLING ANALYSIS		ANALYSIS RESULT	REPORTING Q	LIMIT	UNITS	FIELD FILTRATION	DATE ANALYZED
		METHOD	METHOD						
00010	TEMPERATURE (Field)	GRAB	170.1	22.6		N/A	DEG C	UNFILTERED	02/12/02
00406	pH (Field)	GRAB	150.1	7.62		N/A	UNIT	UNFILTERED	02/12/02
00094	SPECIFIC CONDUCTANCE (Field)	GRAB	120.1	361		1	umho/cm	UNFILTERED	02/12/02
82078	TURBIDITY (Field)	GRAB	180.1	1.30		1.0	NTU	UNFILTERED	02/12/02
00299	DISSOLVED OXYGEN (Field)	GRAB	360.1	4.3		0.10	mg/L	UNFILTERED	02/12/02
00403	pH	GRAB	150.1	7.28			UNIT	UNFILTERED	02/13/02
00094	SPECIFIC CONDUCTANCE	GRAB	120.1	354		1.0	umhos/cm	UNFILTERED	02/13/02
00940	CHLORIDE	GRAB	300.0	7.3		0.50	mg/L	UNFILTERED	02/13/02
00610	AMMONIA NITROGEN (as N)	GRAB	350.1	0.38		0.050	mg/L	UNFILTERED	02/20/02
00620	NITRATE NITROGEN (as N)	GRAB	300.0	0.050	U	0.050	mg/L	UNFILTERED	02/13/02
00515	TOTAL DISSOLVED SOLIDS (TDS)	GRAB	160.1	220		5.0	mg/L	UNFILTERED	02/13/02
01007	BARIUM (TOTAL)	GRAB	6010	10	U	10	ug/L	UNFILTERED	02/18/02
01097	ANTIMONY (TOTAL)	GRAB	6010	5.0	U	5.0	ug/L	UNFILTERED	02/18/02
01002	ARSENIC (TOTAL)	GRAB	6010	5.0	U	5.0	ug/L	UNFILTERED	02/18/02
01012	BERYLLIUM (TOTAL)	GRAB	6010	1.0	U	1.0	ug/L	UNFILTERED	02/18/02
01027	CADMIUM (TOTAL)	GRAB	6010	1.0	U	1.0	ug/L	UNFILTERED	02/18/02
01034	CHROMIUM (TOTAL)	GRAB	6010	5.0	U	5.0	ug/L	UNFILTERED	02/18/02
01037	COBALT (TOTAL)	GRAB	6010	10	U	10	ug/L	UNFILTERED	02/18/02
01042	COPPER (TOTAL)	GRAB	6010	10	U	10	ug/L	UNFILTERED	02/18/02
01045	IRON (TOTAL)	GRAB	6010	40	U	40	ug/L	UNFILTERED	02/18/02
01051	LEAD (TOTAL)	GRAB	6010	5.0	U	5.0	ug/L	UNFILTERED	02/18/02
71900	MERCURY	GRAB	7470	0.20	U	0.20	ug/L	UNFILTERED	02/19/02
01067	NICKEL (TOTAL)	GRAB	6010	10	U	10	ug/L	UNFILTERED	02/18/02
01147	SELENIUM (TOTAL)	GRAB	6010	5.0	U	5.0	ug/L	UNFILTERED	02/18/02
00929	SODIUM (TOTAL)	GRAB	6010	8.2		0.50	mg/L	UNFILTERED	02/18/02
01087	VANADIUM (TOTAL)	GRAB	6010	10	U	10	ug/L	UNFILTERED	02/18/02
01077	SILVER (TOTAL)	GRAB	6010	10	U	10	ug/L	UNFILTERED	02/18/02



PARAMETER MONITORING REPORT
(Rule 62-520.400, 62-520.420, 62-520.460)

ELAB SUBMISSION # 202000319
PROJECT : SOUTHEAST LF WELL MONITORING
ELAB REPORT NAME: DERREP->GRNDREP
SAMPLE # 0202319 6

GMS:N
Monitoring Well: MCBRIDE
Classification of Groundwater: GW II
Well Name:

Sample Date: 02/12/02
Well Type:

Well Development Prior to
Sample Collection (YES/NO): YES

Ground Water Elevation
(MSL):

STORET NUMBER	PARAMETER MONITORED	SAMPLING ANALYSIS		ANALYSIS		REPORTING		FIELD FILTRATION	DATE ANALYZED
		METHOD	METHOD	RESULT	Q	LIMIT	UNITS		
01059	THALLIUM (TOTAL)	GRAB	7841	1.0	U	1.0	ug/L	UNFILTERED	02/19/02
01092	ZINC (TOTAL)	GRAB	6010	50		20	ug/L	UNFILTERED	02/18/02
34516	1,1,2,2-TETRACHLOROETHANE	GRAB	8260	0.20	U	0.20	ug/L	UNFILTERED	02/15/02
77562	1,1,1,2-TETRACHLOROETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34511	1,1,2-TRICHLOROETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34506	1,1,1-TRICHLOROETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34496	1,1-DICHLOROETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34501	1,1-DICHLOROETHENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
77443	1,2,3-TRICHLOROPROPANE	GRAB	8260	0.20	U	0.20	ug/L	UNFILTERED	02/15/02
34531	1,2-DICHLOROETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34566	1,2-DICHLOROPROPANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34215	ACRYLONITRILE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
81595	2-BUTANONE (MEK)	GRAB	8260	10	U	10	ug/L	UNFILTERED	02/15/02
34704	cis-1,3-DICHLOROPROPENE	GRAB	8260	0.20	U	0.20	ug/L	UNFILTERED	02/15/02
77103	2-HEXANONE (MBK)	GRAB	8260	10	U	10	ug/L	UNFILTERED	02/15/02
82552	ACETONE	GRAB	8260	10	U	10	ug/L	UNFILTERED	02/15/02
81596	4-METHYL-2-PENTANONE (MIBK)	GRAB	8260	10	U	10	ug/L	UNFILTERED	02/15/02
34030	BENZENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
73085	BROMOCHLOROMETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
32101	BROMODICHLOROMETHANE	GRAB	8260	0.60	U	0.60	ug/L	UNFILTERED	02/15/02
32104	BROMOFORM	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34413	BROMOMETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34699	trans-1,3-DICHLOROPROPENE	GRAB	8260	0.20	U	0.20	ug/L	UNFILTERED	02/15/02
77041	CARBON DISULFIDE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
77268	trans-1,4-DICHLORO-2- BUTENE	GRAB	8260	10	U	10	ug/L	UNFILTERED	02/15/02
32102	CARBON TETRACHLORIDE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
77424	IODOMETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02



PARAMETER MONITORING REPORT
(Rule 62-520.400, 62-520.420, 62-520.460)

ELAB SUBMISSION # 202000319
PROJECT : SOUTHEAST LF WELL MONITORING
ELAB REPORT NAME: DERREP->GRNDREP
SAMPLE # 0202319 6

GMS:N
Monitoring Well: MCBRIDE
Classification of Groundwater: GW II
Well Name:

Sample Date: 02/12/02
Well Type:

Well Development Prior to
Sample Collection (YES/NO): YES

Ground Water Elevation
(MSL):

STORET NUMBER	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULT	REPORTING Q	REPORTING LIMIT	UNITS	FIELD FILTRATION	DATE ANALYZED
34301	CHLOROBENZENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34311	CHLOROETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
32106	CHLOROFORM	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
32418	CHLOROMETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
77093	cis-1,2-DICHLOROETHENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
32105	DIBROMOCHLOROMETHANE	GRAB	8260	0.40	U	0.40	ug/L	UNFILTERED	02/15/02
77596	DIBROMOMETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34371	ETHYLBENZENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34423	METHYLENE CHLORIDE	GRAB	8260	5.0	U	5.0	ug/L	UNFILTERED	02/15/02
77128	STYRENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34475	TETRACHLOROETHENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34010	TOLUENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34546	trans-1,2-DICHLOROETHENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
39180	TRICHLOROETHENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34488	TRICHLOROFLUOROMETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
77057	VINYL ACETATE	GRAB	8260	2.0	U	2.0	ug/L	UNFILTERED	02/15/02
39175	VINYL CHLORIDE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34020	XYLENES (Total)	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
49146	1,2-DIBROMO-3- CHLOROPROPANE	GRAB	8011	0.020	U	0.020	ug/L	UNFILTERED	02/16/02
34536	1,2-DICHLOROBENZENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34571	1,4-DICHLOROBENZENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
77651	ETHYLENE DIBROMIDE	GRAB	8011	0.020	U	0.020	ug/L	UNFILTERED	02/16/02
80045	GROSS ALPHA	GRAB	900.0	4.4+/-1.7			pCi/L	UNFILTERED	02/20/02

Data Qualifier Code Key:

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.



PARAMETER MONITORING REPORT
(Rule 62-520.400, 62-520.420, 62-520.460)

ELAB SUBMISSION # 202000319
PROJECT : SOUTHEAST LF WELL MONITORING
ELAB REPORT NAME: DERREP->GRNDREP
SAMPLE # 0202319 4

GMS:N
Monitoring Well: BARNES
Classification of Groundwater: GW II
Well Name:

Sample Date: 02/12/02
Well Type:

Well Development Prior to
Sample Collection (YES/NO): YES

Ground Water Elevation
(MSL):

STORET NUMBER	PARAMETER MONITORED	SAMPLING ANALYSIS		ANALYSIS	REPORTING	UNITS	FIELD FILTRATION	DATE ANALYZED
		METHOD	METHOD	RESULT	Q LIMIT			
00010	TEMPERATURE (Field)	GRAB	170.1	21.1	N/A	DEG C	UNFILTERED	02/12/02
00406	pH (Field)	GRAB	150.1	7.40	N/A	UNIT	UNFILTERED	02/12/02
00094	SPECIFIC CONDUCTANCE (Field)	GRAB	120.1	403	1	umho/cm	UNFILTERED	02/12/02
82078	TURBIDITY (Field)	GRAB	180.1	1.80	1.0	NTU	UNFILTERED	02/12/02
00299	DISSOLVED OXYGEN (Field)	GRAB	360.1	3.9	0.10	mg/L	UNFILTERED	02/12/02
00403	pH	GRAB	150.1	7.16		UNIT	UNFILTERED	02/13/02
00094	SPECIFIC CONDUCTANCE	GRAB	120.1	418	1.0	umhos/cm	UNFILTERED	02/13/02
00940	CHLORIDE	GRAB	300.0	8.7	0.50	mg/L	UNFILTERED	02/13/02
00610	AMMONIA NITROGEN (as N)	GRAB	350.1	0.24	0.050	mg/L	UNFILTERED	02/20/02
00620	NITRATE NITROGEN (as N)	GRAB	300.0	0.12	0.050	mg/L	UNFILTERED	02/13/02
00515	TOTAL DISSOLVED SOLIDS (TDS)	GRAB	160.1	240	5.0	mg/L	UNFILTERED	02/13/02
01007	BARIUM (TOTAL)	GRAB	6010	10	U 10	ug/L	UNFILTERED	02/18/02
01097	ANTIMONY (TOTAL)	GRAB	6010	5.0	U 5.0	ug/L	UNFILTERED	02/18/02
01002	ARSENIC (TOTAL)	GRAB	6010	5.0	U 5.0	ug/L	UNFILTERED	02/18/02
01012	BERYLLIUM (TOTAL)	GRAB	6010	1.0	U 1.0	ug/L	UNFILTERED	02/18/02
01027	CADMIUM (TOTAL)	GRAB	6010	1.0	U 1.0	ug/L	UNFILTERED	02/18/02
01034	CHROMIUM (TOTAL)	GRAB	6010	5.0	U 5.0	ug/L	UNFILTERED	02/18/02
01037	COBALT (TOTAL)	GRAB	6010	10	U 10	ug/L	UNFILTERED	02/18/02
01042	COPPER (TOTAL)	GRAB	6010	10	U 10	ug/L	UNFILTERED	02/18/02
01045	IRON (TOTAL)	GRAB	6010	40	U 40	ug/L	UNFILTERED	02/18/02
01051	LEAD (TOTAL)	GRAB	6010	5.0	U 5.0	ug/L	UNFILTERED	02/18/02
71900	MERCURY	GRAB	7470	0.20	U 0.20	ug/L	UNFILTERED	02/19/02
01067	NICKEL (TOTAL)	GRAB	6010	10	U 10	ug/L	UNFILTERED	02/18/02
01147	SELENIUM (TOTAL)	GRAB	6010	5.0	U 5.0	ug/L	UNFILTERED	02/18/02
00929	SODIUM (TOTAL)	GRAB	6010	15	0.50	mg/L	UNFILTERED	02/18/02
01087	VANADIUM (TOTAL)	GRAB	6010	10	U 10	ug/L	UNFILTERED	02/18/02
01077	SILVER (TOTAL)	GRAB	6010	10	U 10	ug/L	UNFILTERED	02/18/02



PARAMETER MONITORING REPORT
(Rule 62-520.400, 62-520.420, 62-520.460)

ELAB SUBMISSION # 202000319
PROJECT : SOUTHEAST LF WELL MONITORING
ELAB REPORT NAME: DERREP->GRNDREP
SAMPLE # 0202319 4

GMS:N
Monitoring Well: BARNES
Classification of Groundwater: GW II
Well Name:

Sample Date: 02/12/02
Well Type:

Well Development Prior to
Sample Collection (YES/NO): YES

Ground Water Elevation
(MSL):

STORET NUMBER	PARAMETER MONITORED	SAMPLING ANALYSIS		ANALYSIS		REPORTING		FIELD FILTRATION	DATE ANALYZED
		METHOD	METHOD	RESULT	Q	LIMIT	UNITS		
01059	THALLIUM (TOTAL)	GRAB	7841	1.0	U	1.0	ug/L	UNFILTERED	02/19/02
01092	ZINC (TOTAL)	GRAB	6010	180		20	ug/L	UNFILTERED	02/18/02
34516	1,1,2,2-TETRACHLOROETHANE	GRAB	8260	0.20	U	0.20	ug/L	UNFILTERED	02/15/02
77562	1,1,1,2-TETRACHLOROETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34511	1,1,2-TRICHLOROETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34506	1,1,1-TRICHLOROETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34496	1,1-DICHLOROETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34501	1,1-DICHLOROETHENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
77443	1,2,3-TRICHLOROPROPANE	GRAB	8260	0.20	U	0.20	ug/L	UNFILTERED	02/15/02
34531	1,2-DICHLOROETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34566	1,2-DICHLOROPROPANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34215	ACRYLONITRILE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
81595	2-BUTANONE (MEK)	GRAB	8260	10	U	10	ug/L	UNFILTERED	02/15/02
34704	cis-1,3-DICHLOROPROPENE	GRAB	8260	0.20	U	0.20	ug/L	UNFILTERED	02/15/02
77103	2-HEXANONE (MBK)	GRAB	8260	10	U	10	ug/L	UNFILTERED	02/15/02
82552	ACETONE	GRAB	8260	10	U	10	ug/L	UNFILTERED	02/15/02
81596	4-METHYL-2-PENTANONE (MIBK)	GRAB	8260	10	U	10	ug/L	UNFILTERED	02/15/02
34030	BENZENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
73085	BROMOCHLOROMETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
32101	BROMODICHLOROMETHANE	GRAB	8260	0.60	U	0.60	ug/L	UNFILTERED	02/15/02
32104	BROMOFORM	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34413	BROMOMETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34699	trans-1,3-DICHLOROPROPENE	GRAB	8260	0.20	U	0.20	ug/L	UNFILTERED	02/15/02
77041	CARBON DISULFIDE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
77268	trans-1,4-DICHLORO-2- BUTENE	GRAB	8260	10	U	10	ug/L	UNFILTERED	02/15/02
32102	CARBON TETRACHLORIDE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
77424	IODOMETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02



PARAMETER MONITORING REPORT
(Rule 62-520.400, 62-520.420, 62-520.460)

ELAB SUBMISSION # 20200319
PROJECT : SOUTHEAST LF WELL MONITORING
ELAB REPORT NAME: DERREP->GRNDREP
SAMPLE # 0202319 4

GMS:N
Monitoring Well: BARNES
Classification of Groundwater: GW II
Well Name:

Sample Date: 02/12/02
Well Type:

Well Development Prior to
Sample Collection (YES/NO): YES

Ground Water Elevation
(MSL):

STORET NUMBER	PARAMETER MONITORED	SAMPLING METHOD	ANALYSIS METHOD	ANALYSIS RESULT	REPORTING Q	LIMIT	UNITS	FIELD FILTRATION	DATE ANALYZED
34301	CHLOROBENZENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34311	CHLOROETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
32106	CHLOROFORM	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
32418	CHLOROMETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
77093	cis-1,2-DICHLOROETHENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
32105	DIBROMOCHLOROMETHANE	GRAB	8260	0.40	U	0.40	ug/L	UNFILTERED	02/15/02
77596	DIBROMOMETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34371	ETHYLBENZENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34423	METHYLENE CHLORIDE	GRAB	8260	5.0	U	5.0	ug/L	UNFILTERED	02/15/02
77128	STYRENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34475	TETRACHLOROETHENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34010	TOLUENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34546	trans-1,2-DICHLOROETHENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
39180	TRICHLOROETHENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34488	TRICHLOROFLUOROMETHANE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
77057	VINYL ACETATE	GRAB	8260	2.0	U	2.0	ug/L	UNFILTERED	02/15/02
39175	VINYL CHLORIDE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34020	XYLENES (Total)	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
49146	1,2-DIBROMO-3- CHLOROPROPANE	GRAB	8011	0.020	U	0.020	ug/L	UNFILTERED	02/16/02
34536	1,2-DICHLOROBENZENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
34571	1,4-DICHLOROBENZENE	GRAB	8260	1.0	U	1.0	ug/L	UNFILTERED	02/15/02
77651	ETHYLENE DIBROMIDE	GRAB	8011	0.020	U	0.020	ug/L	UNFILTERED	02/16/02
80045	GROSS ALPHA	GRAB	900.0	3.9+/-1.7			pCi/L	UNFILTERED	02/20/02

Data Qualifier Code Key:

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

HILLSBOROUGH COUNTY DEPT. OF SOLID WASTE
 COC SHEET SOUTHEAST LANDFILL WELL MONITORING PROGRAM

PRECLEANED SAMPLE CONTAINERS: DATE | TIME
 RELINQUISHED BY: Ling Huffman REP. OF CONTRACT LAB. 2-5-02 | 6500
 ACCEPTED BY: D. Jahn REP. OF COMMON CARRIER 2-5-12 | 1200
 RELINQUISHED BY: D. Jahn REP. OF COMMON CARRIER 2-5-02 | 200P
 ACCEPTED BY: D. Jahn REP. OF SOLID WASTE DEPT. 2-5-02 | 800P

LOCATION: HOLLAND SAMPLE MATRIX: WATER OTHER MATRIX: _____
 PERSONAL ENGAGED IN SAMPLE COLLECTION: D. Jahn | A. Ballan

WELL VOLUME TO PURGE: 15 MIN: PURGE STARTED: DATE 2-12-02 TIME 910A
 ACTUAL PURGE TIME: 22 MIN:

FIELD PARAMETERS:

BY	TIME	TEMP	COND ^{umhos/cm}	PH	DO	TURB
<u>DJ</u>	<u>925A</u>	<u>23.1</u>	<u>415</u>	<u>7.02</u>	=====	=====
<u>DJ</u>	<u>930A</u>	<u>22.8</u>	<u>414</u>	<u>7.03</u>	<u>2.68 mg/L</u>	<u>02.3 NTU</u>

COLORS & SHEENS: YES _____ NO

CONTAINER CODE:

NO. COL.	TYPE	PRESERVATIVE	CONTAINER TYPE	COLLECTED	
				DATE	TIME
<u>2</u>	EDB	NONE	2-40 ml. SEPTUM VIAL	<u>2-12-02</u>	<u>953A</u>
<u>1</u>	GENERAL	NONE	1000 ml. PLASTIC	↓	↓
<u>1</u>	METALS	2 ml. HNO3	500 ml. PLASTIC	↓	↓
<u>1</u>	NUTRIENTS	2 ml. H2SO4	250 ml. PLASTIC	↓	↓
<u>2</u>	RADIOLOGY	5 ml. HNO3	2-1 L PLASTIC	↓	↓
<u>3</u>	VOC	1:1 HCL	3-40 ml. SEPTUM VIAL	↓	↓

10 TOTAL No. OF SAMPLES COLLECTED:

ANALYSES REQUESTED:

CHLORIDES CONDUCTANCE IRON MERCURY NITRATE, PH SODIUM
 TDS, TOTAL AMMONIA - N PARAMETERS LISTED IN 40 CFR PART 258, APPENDIX I
 GROSS ALPHA (WHERE GROSS ALPHA EXCEEDS 5 Pci/L RUN RADIUM 226)

PRESERVED SAMPLES PH < 2.0 SAMPLE STORAGE: COOLER & ICE TO 4.0 c

ABOVE LISTED SAMPLES: DATE | TIME
 RELINQUISHED BY: D. Jahn REP. OF SOLID WASTE DEPT. 2-12-02 | 210P
 ACCEPTED BY: D. Jahn REP. OF COMMON CARRIER 2-12-02 | 210P
 RELINQUISHED BY: M. Galloway REP. OF COMMON CARRIER 2/13/02 | 800A
 ACCEPTED BY: P. Hays REP. OF CONTRACT LAB. 2/13/02 | 8:00

COMMON CARRIER UTILIZED: GREYHOUND BUS LINES OTHER: _____

COMMENT'S: _____

0202319-3

HILLSBOROUGH COUNTY DEPT. OF SOLID WASTE
COC SHEET SOUTHEAST LANDFILL WELL MONITORING PROGRAM

PRECLEANED SAMPLE CONTAINERS: _____ DATE | TIME
 RELINQUISHED BY: Tim Huffman REP. OF CONTRACT LAB. 02-5-02 | 1600
 ACCEPTED BY: [Signature] REP. OF COMMON CARRIER 2-5-02 | 1700
 RELINQUISHED BY: [Signature] REP. OF COMMON CARRIER 2-5-02 | 200P
 ACCEPTED BY: [Signature] REP. OF SOLID WASTE DEPT. 2-5-02 | 200P

LOCATION: BARNES SAMPLE MATRIX: WATER OTHER MATRIX: _____
 PERSONAL ENGAGED IN SAMPLE COLLECTION: [Signature] | [Signature]

WELL VOLUME TO PURGE: 15 MIN: PURGE STARTED: DATE 2-12-02 TIME 948A
 ACTUAL PURGE TIME: 26 MIN:

FIELD PARAMETERS:

BY	TIME	TEMP	COND <i>umhos/cm</i>	PH	DO	TURB
<u>[Signature]</u>	<u>1008A</u>	<u>21.0</u>	<u>405</u>	<u>7.36</u>	=====	=====
<u>[Signature]</u>	<u>1013A</u>	<u>21.1</u>	<u>403</u>	<u>7.40</u>	<u>3.86 mg/L</u>	<u>01.8 NTU</u>

COLORS & SHEENS: YES _____ NO

CONTAINER CODE:

NO. COL.	TYPE	PRESERVATIVE	CONTAINER TYPE	COLLECTED	
				DATE	TIME
<u>2</u>	EDB	NONE	2-40 ml. SEPTUM VIAL	<u>2-12-02</u>	<u>1015A</u>
<u>3</u>	GENERAL	NONE	1000 ml. PLASTIC	↓	↓
<u>1</u>	METALS	2 ml. HNO3	500 ml. PLASTIC	↓	↓
<u>1</u>	NUTRIENTS	2 ml. H2SO4	250 ml. PLASTIC	↓	↓
<u>2</u>	RADIOLOGY	5 ml. HNO3	2-1 L PLASTIC	↓	↓
<u>3</u>	VOC	1:1 HCL	3-40 ml. SEPTUM VIAL	↓	↓

10 TOTAL No. OF SAMPLES COLLECTED:

ANALYSES REQUESTED:

CHLORIDES CONDUCTANCE IRON MERCURY NITRATE, PH SODIUM
 TDS, TOTAL AMMONIA - N PARAMETERS LISTED IN 40 CFR PART 258, APPENDIX I
 GROSS ALPHA (WHERE GROSS ALPHA EXCEEDS 5 Pci/L RUN RADIUM 226)

PRESERVED SAMPLES PH < 2.0 SAMPLE STORAGE: COOLER & ICE TO 4.0 c

ABOVE LISTED SAMPLES: _____ DATE | TIME
 RELINQUISHED BY: [Signature] REP. OF SOLID WASTE DEPT. 2-12-02 | 210P
 ACCEPTED BY: [Signature] REP. OF COMMON CARRIER 2-12-02 | 210P
 RELINQUISHED BY: [Signature] REP. OF COMMON CARRIER 2-13-02 | 800
 ACCEPTED BY: [Signature] REP. OF CONTRACT LAB. 2/13/02 | 810P

COMMON CARRIER UTILIZED: GREYHOUND BUS LINES OTHER: _____

COMMENT`S: _____

0202319-4

HILLSBOROUGH COUNTY DEPT. OF SOLID WASTE
COC SHEET SOUTHEAST LANDFILL WELL MONITORING PROGRAM

PRECLEANED SAMPLE CONTAINERS: _____ DATE | TIME
 RELINQUISHED BY: Tim Huffman REP. OF CONTRACT LAB. 2-5-02 | 8:00
 ACCEPTED BY: _____ REP. OF COMMON CARRIER 2-5-02 | 8:10
 RELINQUISHED BY: Dama REP. OF COMMON CARRIER 2-5-02 | 2:00P
 ACCEPTED BY: Dzh REP. OF SOLID WASTE DEPT. 2-5-02 | 8:00P

LOCATION: WEEKS SAMPLE MATRIX: WATER OTHER MATRIX: _____
 PERSONAL ENGAGED IN SAMPLE COLLECTION: Dzh | ABallan

WELL VOLUME TO PURGE: 15 MIN: PURGE STARTED: DATE 2-12-02 TIME 8:30A
 ACTUAL PURGE TIME: 22 MIN:

FIELD PARAMETERS:

BY	TIME	TEMP	COND ^{umhos/cm}	PH	DO	TURB
<u>DZ</u>	<u>845A</u>	<u>20.7</u>	<u>545</u>	<u>6.97</u>	=====	=====
<u>DZ</u>	<u>850A</u>	<u>20.5</u>	<u>543</u>	<u>6.98</u>	<u>3.59 mg/L</u>	<u>02.8 NTU</u>

COLORS & SHEENS: YES _____ NO

CONTAINER CODE:

NO. COL.	TYPE	PRESERVATIVE	CONTAINER TYPE	COLLECTED	
				DATE	TIME
<u>2</u>	EDB	NONE	2-40 ml. SEPTUM VIAL	<u>2-12-02</u>	<u>8:53A</u>
<u>1</u>	GENERAL	NONE	1000 ml. PLASTIC	↓	↓
<u>1</u>	METALS	2 ml. HNO3	500 ml. PLASTIC	↓	↓
<u>1</u>	NUTRIENTS	2 ml. H2SO4	250 ml. PLASTIC	↓	↓
<u>2</u>	RADIOLOGY	5 ml. HNO3	2-1 L PLASTIC	↓	↓
<u>3</u>	VOC	1:1 HCL	3-40 ml. SEPTUM VIAL	↓	↓

10 TOTAL No. OF SAMPLES COLLECTED:

ANALYSES REQUESTED:

CHLORIDES CONDUCTANCE IRON MERCURY NITRATE, PH SODIUM
 TDS, TOTAL AMMONIA - N PARAMETERS LISTED IN 40 CFR PART 258, APPENDIX I
 GROSS ALPHA (WHERE GROSS ALPHA EXCEEDS 5 Pci/L RUN RADIUM 226)

PRESERVED SAMPLES PH < 2.0 SAMPLE STORAGE: COOLER & ICE TO 4.0 c

ABOVE LISTED SAMPLES: _____ DATE | TIME
 RELINQUISHED BY: Dzh REP. OF SOLID WASTE DEPT. 2-12-02 | 2:10P
 ACCEPTED BY: _____ REP. OF COMMON CARRIER 2-12-02 | 2:10P
 RELINQUISHED BY: M. Galtbreath REP. OF COMMON CARRIER 2/13/02 | 8:00A
 ACCEPTED BY: L. Hayes REP. OF CONTRACT LAB. 2/13/02 | 8:00

COMMON CARRIER UTILIZED: GREYHOUND BUS LINES OTHER: _____

COMMENTS: _____

