

Surface Water

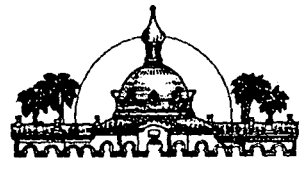
# HILLSBOROUGH COUNTY

Florida

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December 2, 1996

D.E.P.  
DEC 06 1996  
SOUTH FLORIDA DISTRICT  
TAMPA

Ms. Allison Amram  
Department of Environmental Protection  
Waste Management Section  
3804 Coconut Palm Drive  
Tampa , Fl. 33619 8318

RE: Operating Permit No. S029-256427 - Southeast County  
Sanitary Landfill

Dear Ms. Amram:

Enclosed are the results of the routine water quality monitoring of the Southeast Landfill, for the period of August 1, 1996 through January 31, 1997 in accordance with Permit No. S029-256247. Samples were collected by the Department of Solid Waste in August, 1996 and analyzed by Post, Buckley, Schuh and Jernigan, Inc.


In addition to the routine semi-annual monitoring parameters, monitor wells TH-57 and TH-58 were analyzed for the parameters listed in 62-701.510(8) (a) and (b).

A map showing site locations and a summary chart are also enclosed.

Allison Amram  
December 2, 1996  
Page two

If you have any questions or comments on this information, please call me at 276-2920.

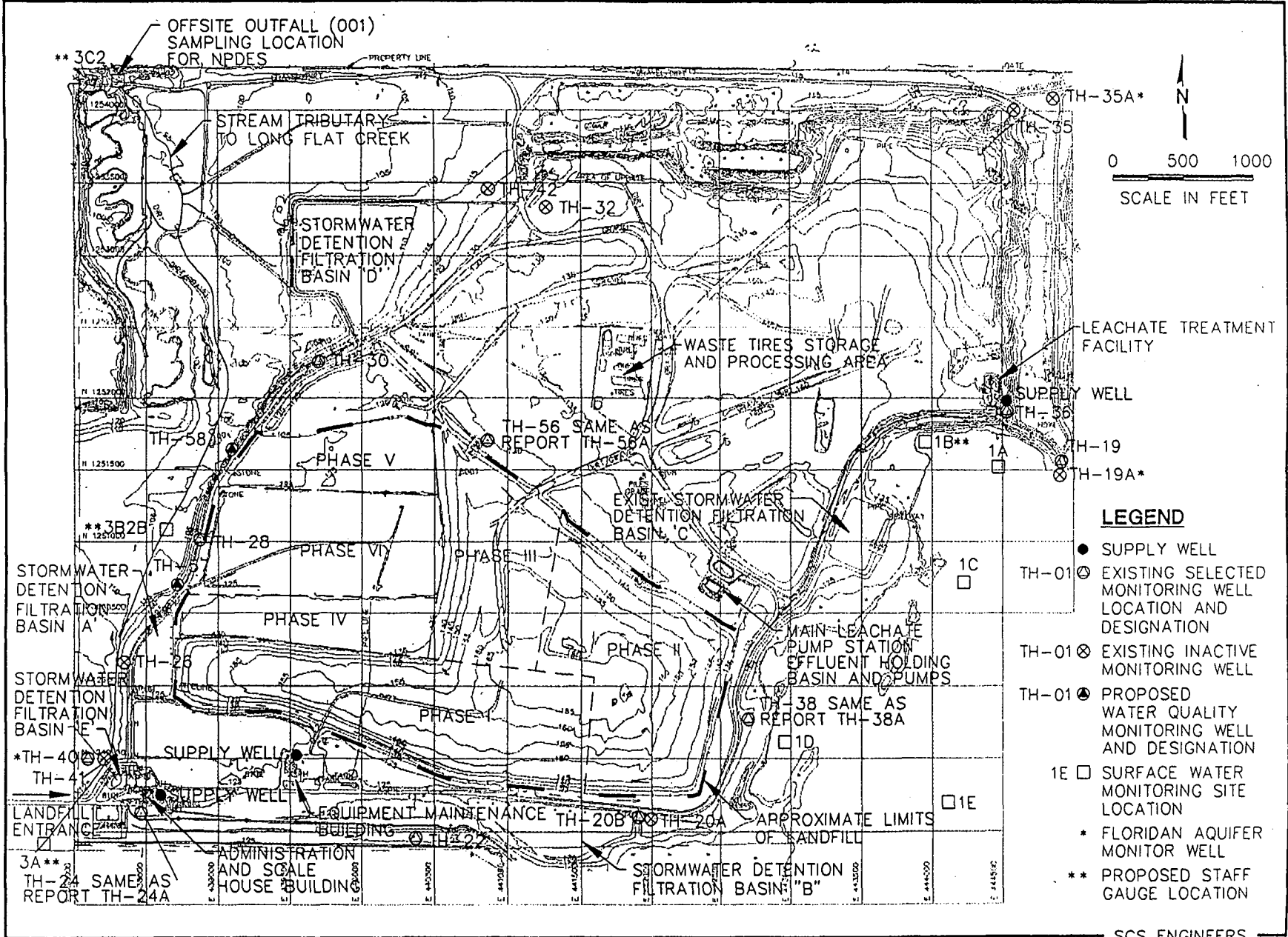
Sincerely,



James G. Clayton,  
Environmental Supervisor  
Department of Solid Waste

Enclosures

xc: Chongman Lee , Department of Environmental Protection  
Paul Schipfer, EPC  
Matt Mathews, Department of Solid Waste  
Irene Barnes, Southeast Hillsborough Civic Association  
Thomas G. Smith, Department of Solid Waste, w/o enclosures  
Greg Walk, General Manager Southeast Landfill  
Sheree Henninger, Waste Management Southeast Landfill  
Sarah Hill, Department of Solid Waste



Monitoring Wells and Surface Water Locations, Southeast County Landfill, Hillsborough County, Florida.



Facility GMS #:

Sample Date/Time: 8/9/96 8:06:00 AM

Test Site ID #:

Report Period: 96/3

Well Name: COMP. SMITH LAKE

960816402

Well Purged (Y/N): N

Classification of Ground Water: G II

Well Type:

- Background
- Intermediate
- Compliance
- Other

Ground Water Elevation (NGVD): NA

Depth to Water (ft.): NA

STORET Code	Parameter	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Results/Units		Detection Limits/Units
619	UNIONIZED AMMONIA NITROGEN	GRAB	N	CALC	< .02	mg/L as N	.02 mg/L as N
34418	CHLOROMETHANE	GRAB	N	EPA 524	< 1	ug/L	1 ug/L
30217	DIBROMOMETHANE	GRAB	N	EPA 524	< 5	ug/L	5 ug/L
406	pH IN FIELD	GRAB	N	EPA150.1	6.71	pH UNITS	Fld pH UNITS
70300	TOTAL DISSOLVED SOLIDS	GRAB	N	EPA160.1	134	mg/L	* mg/L
530	TOTAL SUSPENDED SOLIDS	GRAB	N	EPA160.2	33	mg/L	* mg/L
10	TEMPERATURE IN FIELD	GRAB	N	EPA170.1	28.5	DEG C	Fld DEG C
82079	TURBIDITY	GRAB	N	EPA180.1	15.3	ntu	.1 ntu
71900	MERCURY	GRAB	N	EPA245.1	< .2	ug/L	.2 ug/L
625	TOTAL KJELDAHL NITROGEN	GRAB	N	EPA351.2	3.02	mg/L as N	.1 mg/L as N
620	NITRATE	GRAB	N	EPA353.2	< .01	mg/L as N	.01 mg/L as N
630	NITRATE + NITRITE	GRAB	N	EPA353.2	< .01	mg/L as N	.01 mg/L as N
600	TOTAL NITROGEN	GRAB	N	EPA353.2	3.02	mg/L as N	.1 mg/L as N
300	DISSOLVED OXYGEN IN FIELD	GRAB	N	EPA360.1	3.84	mg/L	Fld mg/L
665	TOTAL PHOSPHORUS	GRAB	N	EPA365.4	3.34	mg/L as P	.02 mg/L as P
310	BIOCHEMICAL OXYGEN DEMAND	GRAB	N	EPA405.1	9	mg/L	1 mg/L
340	CHEMICAL OXYGEN DEMAND	GRAB	N	EPA410.2	69	mg/L	1 mg/L
680	TOTAL ORGANIC CARBON	GRAB	N	EPA415.1	21.6	mg/L as C	1 mg/L as C
38437	DIBROMOCHLOROPROPANE	GRAB	N	EPA504	< .02	ug/L	.02 ug/L
77651	ETHYLENE DIBROMIDE	GRAB	N	EPA504	< .02	ug/L	.02 ug/L
1097	Antimony	GRAB	N	EPA6010	< 5	ug/l	5 ug/l
1002	Arsenic	GRAB	N	EPA6010	< 5	ug/l	5 ug/l
1007	Barium	GRAB	N	EPA6010	< 10	ug/l	10 ug/l
1012	Beryllium	GRAB	N	EPA6010	< 1	ug/l	1 ug/l
1027	Cadmium	GRAB	N	EPA6010	< 2	ug/l	2 ug/l
916	CALCIUM-ICP METHOD	GRAB	N	EPA6010	18.6	mg/L	.1 mg/L
1034	Chromium	GRAB	N	EPA6010	< 5	ug/l	5 ug/l
1037	Cobalt	GRAB	N	EPA6010	< 10	ug/l	10 ug/l
1042	Copper	GRAB	N	EPA6010	< 2	ug/l	2 ug/l
1045	IRON-ICP METHOD	GRAB	N	EPA6010	106	ug/l	20 ug/l
1051	Lead	GRAB	N	EPA6010	< 4	ug/l	4 ug/l
927	MAGNESIUM-ICP METHOD	GRAB	N	EPA6010	6.65	mg/L	.05 mg/L
1067	Nickel	GRAB	N	EPA6010	< 5	ug/l	5 ug/l
1147	Selenium	GRAB	N	EPA6010	< 10	ug/l	10 ug/l
1077	Silver	GRAB	N	EPA6010	< 10	ug/l	10 ug/l
1059	Thallium	GRAB	N	EPA6010	< 2	ug/l	2 ug/l
985	Vanadium	GRAB	N	EPA6010	< 5	ug/l	5 ug/l
1092	Zinc	GRAB	N	EPA6010	< 20	ug/l	20 ug/l
34475	TETRACHLOROETHYLENE	GRAB	N	EPA624	< 1	ug/L	1 ug/L
39180	TRICHLOROETHYLENE	GRAB	N	EPA624	< 1	ug/L	1 ug/L
77562	1,1,1,2-TETRACHLOROETHANE	GRAB	N	EPA8260	< 1	ug/L	1 ug/L
34506	1,1,1-TRICHLOROETHANE	GRAB	N	EPA8260	< 1	ug/L	1 ug/L
34516	1,1,2,2-TETRACHLOROETHANE	GRAB	N	EPA8260	< .2	ug/L	.2 ug/L

STORET Code	Parameter	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Results/Units	Detection Limits/Units
34511	1,1,2-TRICHLOROETHANE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34496	1,1-DICHLOROETHANE	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
34501	1,1-DICHLOROETHENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
77443	1,2,3-TRICHLOROPROPANE	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
34536	1,2-DICHLOROBENZENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34531	1,2-DICHLOROETHANE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34541	1,2-DICHLOROPROPANE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34571	1,4-DICHLOROBENZENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
77103	2-HEXANONE	GRAB	N	EPA8260	< 10 ug/L	10 ug/L
78133	4-METHYL-2-PENTANONE	GRAB	N	EPA8260	< 10 ug/L	10 ug/L
81552	ACETONE	GRAB	N	EPA8260	< 20 ug/L	20 ug/L
34215	ACRYLONITRILE	GRAB	N	EPA8260	< 8 ug/L	8 ug/L
78124	BENZENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
73085	BROMOCHLOROMETHANE	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
32101	BROMODICHLOROMETHANE	GRAB	N	EPA8260	< .6 ug/L	.6 ug/L
32104	BROMOFORM	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
77041	CARBON DISULFIDE	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
32102	CARBON TETRACHLORIDE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34301	CHLOROBENZENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34311	CHLOROETHANE	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
32106	CHLOROFORM	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
77093	cis 1,2 DICHLOROETHYLENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34704	cis 1,3-DICHLOROPROPENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
32105	DIBROMOCHLOROMETHANE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34371	ETHYLBENZENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34413	METHYL BROMIDE	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
81595	METHYL ETHYL KETONE	GRAB	N	EPA8260	< 10 ug/L	10 ug/L
77424	METHYL IODIDE	GRAB	N	EPA8260	< 20 ug/L	20 ug/L
34423	METHYLENE CHLORIDE	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
77128	STYRENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
78131	TOLUENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34699	trans 1,3-DICHLOROPROPENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
73547	trans 1,4-DICHLORO-2-BUTENE	GRAB	N	EPA8260	< 20 ug/L	20 ug/L
34546	trans-1,2-DICHLOROETHENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34488	TRICHLOROFLUOROMETHANE	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
77057	VINYL ACETATE	GRAB	N	EPA8260	< 10 ug/L	10 ug/L
39175	VINYL CHLORIDE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
81551	XYLENES	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
94	CONDUCTIVITY IN FIELD	GRAB	N	FIELD	240 umhos/cm	Fld umhos/cm
32230	CHLOROPHYLL-A	GRAB	N	SM 1000.G	135 mg/m3	1.5 mg/m3
46570	TOTAL HARDNESS	GRAB	N	SM2340B	73.8 mg/L CaCO	6.62 mg/L CaCO

Facility GMS #:

Sample Date/Time: 8/9/96 8:40:00 AM

Test Site ID #:

Report Period: 96/3

Well Name: SURF SITE 3A

960816405

Well Purged (Y/N): N

Classification of Ground Water: G II

Well Type:  Background

Ground Water Elevation (NGVD): NA

Intermediate

Depth to Water (ft.): NA

Compliance

Other

STORET Code	Parameter	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Results/Units		Detection Limits/Units
619	UNIONIZED AMMONIA NITROGEN	GRAB	N	CALC	< .02	mg/L as N	.02 mg/L as N
34418	CHLOROMETHANE	GRAB	N	EPA 524	< 1	ug/L	1 ug/L
30217	DIBROMOMETHANE	GRAB	N	EPA 524	< 5	ug/L	5 ug/L
406	pH IN FIELD	GRAB	N	EPA 150.1	5.89	pH UNITS	Fld pH UNITS
70300	TOTAL DISSOLVED SOLIDS	GRAB	N	EPA 160.1	168	mg/L	* mg/L
530	TOTAL SUSPENDED SOLIDS	GRAB	N	EPA 160.2	9	mg/L	* mg/L
10	TEMPERATURE IN FIELD	GRAB	N	EPA 170.1	24.8	DEG C	Fld DEG C
82079	TURBIDITY	GRAB	N	EPA 180.1	1.49	ntu	.1 ntu
71900	MERCURY	GRAB	N	EPA 245.1	.2	ug/L	.2 ug/L
625	TOTAL KJELDAHL NITROGEN	GRAB	N	EPA 351.2	.56	mg/L as N	.1 mg/L as N
620	NITRATE	GRAB	N	EPA 353.2	.27	mg/L as N	.01 mg/L as N
630	NITRATE + NITRITE	GRAB	N	EPA 353.2	.28	mg/L as N	.01 mg/L as N
600	TOTAL NITROGEN	GRAB	N	EPA 353.2	.84	mg/L as N	.1 mg/L as N
300	DISSOLVED OXYGEN IN FIELD	GRAB	N	EPA 360.1	4.06	mg/L	Fld mg/L
665	TOTAL PHOSPHORUS	GRAB	N	EPA 365.4	.04	mg/L as P	.02 mg/L as P
310	BIOCHEMICAL OXYGEN DEMAND	GRAB	N	EPA 405.1	2	mg/L	1 mg/L
340	CHEMICAL OXYGEN DEMAND	GRAB	N	EPA 410.2	17	mg/L	1 mg/L
680	TOTAL ORGANIC CARBON	GRAB	N	EPA 415.1	9.2	mg/L as C	1 mg/L as C
38437	DIBROMOCHLOROPROPANE	GRAB	N	EPA 504	< .02	ug/L	.02 ug/L
77651	ETHYLENE DIBROMIDE	GRAB	N	EPA 504	< .02	ug/L	.02 ug/L
1097	Antimony	GRAB	N	EPA 6010	< 5	ug/l	5 ug/l
1002	Arsenic	GRAB	N	EPA 6010	< 5	ug/l	5 ug/l
1007	Barium	GRAB	N	EPA 6010	26	ug/l	10 ug/l
1012	Beryllium	GRAB	N	EPA 6010	< 1	ug/l	1 ug/l
1027	Cadmium	GRAB	N	EPA 6010	< 2	ug/l	2 ug/l
916	CALCIUM-ICP METHOD	GRAB	N	EPA 6010	16	mg/L	.1 mg/L
1034	Chromium	GRAB	N	EPA 6010	< 5	ug/l	5 ug/l
1037	Cobalt	GRAB	N	EPA 6010	< 10	ug/l	10 ug/l
1042	Copper	GRAB	N	EPA 6010	2	ug/l	2 ug/l
1045	IRON-ICP METHOD	GRAB	N	EPA 6010	103	ug/l	20 ug/l
1051	Lead	GRAB	N	EPA 6010	< 4	ug/l	4 ug/l
927	MAGNESIUM-ICP METHOD	GRAB	N	EPA 6010	14.2	mg/L	.05 mg/L
1067	Nickel	GRAB	N	EPA 6010	< 5	ug/l	5 ug/l
1147	Selenium	GRAB	N	EPA 6010	< 10	ug/l	10 ug/l
1077	Silver	GRAB	N	EPA 6010	< 10	ug/l	10 ug/l
1059	Thallium	GRAB	N	EPA 6010	< 2	ug/l	2 ug/l
985	Vanadium	GRAB	N	EPA 6010	< 5	ug/l	5 ug/l
1092	Zinc	GRAB	N	EPA 6010	< 20	ug/l	20 ug/l
34475	TETRACHLOROETHYLENE	GRAB	N	EPA 624	< 1	ug/L	1 ug/L
39180	TRICHLOROETHYLENE	GRAB	N	EPA 624	< 1	ug/L	1 ug/L
77562	1,1,1,2-TETRACHLOROETHANE	GRAB	N	EPA 8260	< 1	ug/L	1 ug/L
34506	1,1,1-TRICHLOROETHANE	GRAB	N	EPA 8260	< 1	ug/L	1 ug/L
34516	1,1,2,2-TETRACHLOROETHANE	GRAB	N	EPA 8260	< .2	ug/L	.2 ug/L

STORET Code	Parameter	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Results/Units	Detection Limits/Units
34511	1,1,2-TRICHLOROETHANE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34496	1,1-DICHLOROETHANE	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
34501	1,1-DICHLOROETHENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
77443	1,2,3-TRICHLOROPROPANE	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
34536	1,2-DICHLOROBENZENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34531	1,2-DICHLOROETHANE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34541	1,2-DICHLOROPROPANE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34571	1,4-DICHLOROBENZENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
77103	2-HEXANONE	GRAB	N	EPA8260	< 10 ug/L	10 ug/L
78133	4-METHYL-2-PENTANONE	GRAB	N	EPA8260	< 10 ug/L	10 ug/L
81552	ACETONE	GRAB	N	EPA8260	< 20 ug/L	20 ug/L
34215	ACRYLONITRILE	GRAB	N	EPA8260	< 8 ug/L	8 ug/L
78124	BENZENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
73085	BROMOCHLOROMETHANE	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
32101	BROMODICHLOROMETHANE	GRAB	N	EPA8260	< .6 ug/L	.6 ug/L
32104	BROMOFORM	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
77041	CARBON DISULFIDE	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
32102	CARBON TETRACHLORIDE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34301	CHLOROBENZENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34311	CHLOROETHANE	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
32106	CHLOROFORM	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
77093	cis 1,2 DICHLOROETHYLENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34704	cis 1,3-DICHLOROPROPENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
32105	DIBROMOCHLOROMETHANE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34371	ETHYLBENZENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34413	METHYL BROMIDE	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
81595	METHYL ETHYL KETONE	GRAB	N	EPA8260	< 10 ug/L	10 ug/L
77424	METHYL IODIDE	GRAB	N	EPA8260	< 20 ug/L	20 ug/L
34423	METHYLENE CHLORIDE	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
77128	STYRENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
78131	TOLUENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34699	trans 1,3-DICHLOROPROPENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
73547	trans 1,4-DICHLORO-2-BUTENE	GRAB	N	EPA8260	< 20 ug/L	20 ug/L
34546	trans-1,2-DICHLOROETHENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34488	TRICHLOROFLUOROMETHANE	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
77057	VINYL ACETATE	GRAB	N	EPA8260	< 10 ug/L	10 ug/L
39175	VINYL CHLORIDE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
81551	XYLENES	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
94	CONDUCTIVITY IN FIELD	GRAB	N	FIELD	306 umhos/cm	Fld umhos/cm
32230	CHLOROPHYLL-A	GRAB	N	SM 1000.G	17.4 mg/m3	1.5 mg/m3
46570	TOTAL HARDNESS	GRAB	N	SM2340B	98.4 mg/L CaCO	6.62 mg/L CaCO
31616	FECAL COLIFORM-MF	GRAB	N	SM9222.0	1770 Col/100 mL	Col/100 mL



Facility GMS #:

Sample Date/Time: 8/9/96 8:30:00 AM

Test Site ID #:

Report Period: 96/3

Well Name: SURF SITE 3B2B

960816406

Well Purged (Y/N): N

Classification of Ground Water: G II

Well Type:  Background

Ground Water Elevation (NGVD): ~~NA~~

Intermediate

Depth to Water (ft.): ~~NA~~

Compliance

Other

STORET Code	Parameter	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Results/Units	Detection Limits/Units
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34418	CHLOROMETHANE	GRAB	N	EPA 524	< 1 ug/L	1 ug/L
30217	DIBROMOMETHANE	GRAB	N	EPA 524	< 5 ug/L	5 ug/L
406	pH IN FIELD	GRAB	N	EPA150.1	6.32 pH UNITS	Fld pH UNITS
70300	TOTAL DISSOLVED SOLIDS	GRAB	N	EPA160.1	150 mg/L	* mg/L
530	TOTAL SUSPENDED SOLIDS	GRAB	N	EPA160.2	9 mg/L	* mg/L
10	TEMPERATURE IN FIELD	GRAB	N	EPA170.1	24.4 DEG C	Fld DEG C
82079	TURBIDITY	GRAB	N	EPA180.1	2.01 ntu	.1 ntu
71900	MERCURY	GRAB	N	EPA245.1	.25 ug/L	.2 ug/L
625	TOTAL KJELDAHL NITROGEN	GRAB	N	EPA351.2	.5 mg/L as N	.1 mg/L as N
620	NITRATE	GRAB	N	EPA353.2	.06 mg/L as N	.01 mg/L as N
630	NITRATE + NITRITE	GRAB	N	EPA353.2	.06 mg/L as N	.01 mg/L as N
600	TOTAL NITROGEN	GRAB	N	EPA353.2	.56 mg/L as N	.1 mg/L as N
300	DISSOLVED OXYGEN IN FIELD	GRAB	N	EPA360.1	5.2 mg/L	Fld mg/L
665	TOTAL PHOSPHORUS	GRAB	N	EPA365.4	.36 mg/L as P	.02 mg/L as P
310	BIOCHEMICAL OXYGEN DEMAND	GRAB	N	EPA405.1	1 mg/L	1 mg/L
340	CHEMICAL OXYGEN DEMAND	GRAB	N	EPA410.2	25 mg/L	1 mg/L
680	TOTAL ORGANIC CARBON	GRAB	N	EPA415.1	10.6 mg/L as C	1 mg/L as C
38437	DIBROMOCHLOROPROPANE	GRAB	N	EPA504	< .02 ug/L	.02 ug/L
77651	ETHYLENE DIBROMIDE	GRAB	N	EPA504	< .02 ug/L	.02 ug/L
1097	Antimony	GRAB	N	EPA6010	< 5 ug/l	5 ug/l
1002	Arsenic	GRAB	N	EPA6010	< 5 ug/l	5 ug/l
1007	Barium	GRAB	N	EPA6010	17 ug/l	10 ug/l
1012	Beryllium	GRAB	N	EPA6010	< 1 ug/l	1 ug/l
1027	Cadmium	GRAB	N	EPA6010	< 2 ug/l	2 ug/l
916	CALCIUM-ICP METHOD	GRAB	N	EPA6010	14.1 mg/L	.1 mg/L
1034	Chromium	GRAB	N	EPA6010	< 5 ug/l	5 ug/l
1037	Cobalt	GRAB	N	EPA6010	< 10 ug/l	10 ug/l
1042	Copper	GRAB	N	EPA6010	< 2 ug/l	2 ug/l
1045	IRON-ICP METHOD	GRAB	N	EPA6010	189 ug/l	20 ug/l
1051	Lead	GRAB	N	EPA6010	< 4 ug/l	4 ug/l
927	MAGNESIUM-ICP METHOD	GRAB	N	EPA6010	11.1 mg/L	.05 mg/L
1067	Nickel	GRAB	N	EPA6010	< 5 ug/l	5 ug/l
1147	Selenium	GRAB	N	EPA6010	< 10 ug/l	10 ug/l
1077	Silver	GRAB	N	EPA6010	< 10 ug/l	10 ug/l
1059	Thallium	GRAB	N	EPA6010	< 2 ug/l	2 ug/l
985	Vanadium	GRAB	N	EPA6010	< 5 ug/l	5 ug/l
1092	Zinc	GRAB	N	EPA6010	< 20 ug/l	20 ug/l
34475	TETRACHLOROETHYLENE	GRAB	N	EPA624	< 1 ug/L	1 ug/L
39180	TRICHLOROETHYLENE	GRAB	N	EPA624	< 1 ug/L	1 ug/L
77562	1,1,1,2-TETRACHLOROETHANE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34506	1,1,1-TRICHLOROETHANE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34516	1,1,2,2-TETRACHLOROETHANE	GRAB	N	EPA8260	< .2 ug/L	.2 ug/L

STORET Code	Parameter	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Results/Units	Detection Limits/Units
34511	1,1,2-TRICHLOROETHANE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34496	1,1-DICHLOROETHANE	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
34501	1,1-DICHLOROETHENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
77443	1,2,3-TRICHLOROPROPANE	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
34536	1,2-DICHLOROBENZENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34531	1,2-DICHLOROETHANE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34541	1,2-DICHLOROPROPANE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34571	1,4-DICHLOROBENZENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
77103	2-HEXANONE	GRAB	N	EPA8260	< 10 ug/L	10 ug/L
78133	4-METHYL-2-PENTANONE	GRAB	N	EPA8260	< 10 ug/L	10 ug/L
81552	ACETONE	GRAB	N	EPA8260	< 20 ug/L	20 ug/L
34215	ACRYLONITRILE	GRAB	N	EPA8260	< 8 ug/L	8 ug/L
78124	BENZENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
73085	BROMOCHLOROMETHANE	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
32101	BROMODICHLOROMETHANE	GRAB	N	EPA8260	< .6 ug/L	.6 ug/L
32104	BROMOFORM	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
77041	CARBON DISULFIDE	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
32102	CARBON TETRACHLORIDE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34301	CHLOROBENZENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34311	CHLOROETHANE	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
32106	CHLOROFORM	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
77093	cis 1,2 DICHLOROETHYLENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34704	cis 1,3-DICHLOROPROPENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
32105	DIBROMOCHLOROMETHANE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34371	ETHYLBENZENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34413	METHYL BROMIDE	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
81595	METHYL ETHYL KETONE	GRAB	N	EPA8260	< 10 ug/L	10 ug/L
77424	METHYL IODIDE	GRAB	N	EPA8260	< 20 ug/L	20 ug/L
34423	METHYLENE CHLORIDE	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
77128	STYRENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
78131	TOLUENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34699	trans 1,3-DICHLOROPROPENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
73547	trans 1,4-DICHLORO-2-BUTENE	GRAB	N	EPA8260	< 20 ug/L	20 ug/L
34546	trans-1,2-DICHLOROETHENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34488	TRICHLOROFLUOROMETHANE	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
77057	VINYL ACETATE	GRAB	N	EPA8260	< 10 ug/L	10 ug/L
39175	VINYL CHLORIDE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
81551	XYLENES	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
94	CONDUCTIVITY IN FIELD	GRAB	N	FIELD	25.8 umhos/cm	Fld umhos/cm
32230	CHLOROPHYLL-A	GRAB	N	SM 1000.G	< 1.5 mg/m3	1.5 mg/m3
46570	TOTAL HARDNESS	GRAB	N	SM2340B	80.9 mg/L CaCO	6.62 mg/L CaCO
31616	FECAL COLIFORM-MF	GRAB	N	SM9222.0	410 Col/100 mL	Col/100 mL

Facility GMS #:

Sample Date/Time: 8/9/96 8:22:00 Am

Test Site ID #:

Report Period: 96/3

Well Name: SURF SITE 3C2

960816407

Well Purged (Y/N): N

Classification of Ground Water: G II

Well Type:  Background

Ground Water Elevation (NGVD): NA

Intermediate

Depth to Water (ft.): NA

Compliance

Other

STORET Code	Parameter	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Results/Units	Detection Limits/Units
619	UNIONIZED AMMONIA NITROGEN	GRAB	N	CALC	< .02 mg/L as N	.02 mg/L as N
34418	CHLOROMETHANE	GRAB	N	EPA 524	< 1 ug/L	1 ug/L
30217	DIBROMOMETHANE	GRAB	N	EPA 524	< 5 ug/L	5 ug/L
406	pH IN FIELD	GRAB	N	EPA150.1	6.37 pH UNITS	Fld pH UNITS
70300	TOTAL DISSOLVED SOLIDS	GRAB	N	EPA160.1	146 mg/L	* mg/L
530	TOTAL SUSPENDED SOLIDS	GRAB	N	EPA160.2	6 mg/L	* mg/L
10	TEMPERATURE IN FIELD	GRAB	N	EPA170.1	24.6 DEG C	Fld DEG C
82079	TURBIDITY	GRAB	N	EPA180.1	3.63 ntu	.1 ntu
71900	MERCURY	GRAB	N	EPA245.1	< .2 ug/L	.2 ug/L
625	TOTAL KJELDAHL NITROGEN	GRAB	N	EPA351.2	.59 mg/L as N	.1 mg/L as N
620	NITRATE	GRAB	N	EPA353.2	.06 mg/L as N	.01 mg/L as N
630	NITRATE + NITRITE	GRAB	N	EPA353.2	.06 mg/L as N	.01 mg/L as N
600	TOTAL NITROGEN	GRAB	N	EPA353.2	.65 mg/L as N	.1 mg/L as N
300	DISSOLVED OXYGEN IN FIELD	GRAB	N	EPA360.1	5.54 mg/L	Fld mg/L
665	TOTAL PHOSPHORUS	GRAB	N	EPA365.4	.58 mg/L as P	.02 mg/L as P
310	BIOCHEMICAL OXYGEN DEMAND	GRAB	N	EPA405.1	1 mg/L	1 mg/L
340	CHEMICAL OXYGEN DEMAND	GRAB	N	EPA410.2	24 mg/L	1 mg/L
680	TOTAL ORGANIC CARBON	GRAB	N	EPA415.1	11.1 mg/L as C	1 mg/L as C
38437	DIBROMOCHLOROPROPANE	GRAB	N	EPA504	< .02 ug/L	.02 ug/L
77651	ETHYLENE DIBROMIDE	GRAB	N	EPA504	< .02 ug/L	.02 ug/L
1097	Antimony	GRAB	N	EPA6010	< 5 ug/l	5 ug/l
1002	Arsenic	GRAB	N	EPA6010	< 5 ug/l	5 ug/l
1007	Barium	GRAB	N	EPA6010	12 ug/l	10 ug/l
1012	Beryllium	GRAB	N	EPA6010	< 1 ug/l	1 ug/l
1027	Cadmium	GRAB	N	EPA6010	< 2 ug/l	2 ug/l
916	CALCIUM-ICP METHOD	GRAB	N	EPA6010	16.5 mg/L	.1 mg/L
1034	Chromium	GRAB	N	EPA6010	< 5 ug/l	5 ug/l
1037	Cobalt	GRAB	N	EPA6010	< 10 ug/l	10 ug/l
1042	Copper	GRAB	N	EPA6010	< 2 ug/l	2 ug/l
1045	IRON-ICP METHOD	GRAB	N	EPA6010	291 ug/l	20 ug/l
1051	Lead	GRAB	N	EPA6010	< 4 ug/l	4 ug/l
927	MAGNESIUM-ICP METHOD	GRAB	N	EPA6010	9.81 mg/L	.05 mg/L
1067	Nickel	GRAB	N	EPA6010	< 5 ug/l	5 ug/l
1147	Selenium	GRAB	N	EPA6010	< 10 ug/l	10 ug/l
1077	Silver	GRAB	N	EPA6010	< 10 ug/l	10 ug/l
1059	Thallium	GRAB	N	EPA6010	< 2 ug/l	2 ug/l
985	Vanadium	GRAB	N	EPA6010	< 5 ug/l	5 ug/l
1092	Zinc	GRAB	N	EPA6010	< 20 ug/l	20 ug/l
34475	TETRACHLOROETHYLENE	GRAB	N	EPA624	< 1 ug/L	1 ug/L
39180	TRICHLOROETHYLENE	GRAB	N	EPA624	< 1 ug/L	1 ug/L
77562	1,1,1,2-TETRACHLOROETHANE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34506	1,1,1-TRICHLOROETHANE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34516	1,1,2,2-TETRACHLOROETHANE	GRAB	N	EPA8260	< .2 ug/L	.2 ug/L

STORET Code	Parameter	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Results/Units	Detection Limits/Units
34511	1,1,2-TRICHLOROETHANE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34496	1,1-DICHLOROETHANE	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
34501	1,1-DICHLOROETHENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
77443	1,2,3-TRICHLOROPROPANE	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
34536	1,2-DICHLOROBENZENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34531	1,2-DICHLOROETHANE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34541	1,2-DICHLOROPROPANE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34571	1,4-DICHLOROBENZENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
77103	2-HEXANONE	GRAB	N	EPA8260	< 10 ug/L	10 ug/L
78133	4-METHYL-2-PENTANONE	GRAB	N	EPA8260	< 10 ug/L	10 ug/L
81552	ACETONE	GRAB	N	EPA8260	< 20 ug/L	20 ug/L
34215	ACRYLONITRILE	GRAB	N	EPA8260	< 8 ug/L	8 ug/L
78124	BENZENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
73085	BROMOCHLOROMETHANE	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
32101	BROMODICHLOROMETHANE	GRAB	N	EPA8260	< .6 ug/L	.6 ug/L
32104	BROMOFORM	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
77041	CARBON DISULFIDE	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
32102	CARBON TETRACHLORIDE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34301	CHLOROBENZENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34311	CHLOROETHANE	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
32106	CHLOROFORM	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
77093	cis 1,2 DICHLOROETHYLENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34704	cis 1,3-DICHLOROPROPENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
32105	DIBROMOCHLOROMETHANE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34371	ETHYLBENZENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34413	METHYL BROMIDE	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
81595	METHYL ETHYL KETONE	GRAB	N	EPA8260	< 10 ug/L	10 ug/L
77424	METHYL IODIDE	GRAB	N	EPA8260	< 20 ug/L	20 ug/L
34423	METHYLENE CHLORIDE	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
77128	STYRENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
78131	TOLUENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34699	trans 1,3-DICHLOROPROPENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
73547	trans 1,4-DICHLORO-2-BUTENE	GRAB	N	EPA8260	< 20 ug/L	20 ug/L
34546	trans-1,2-DICHLOROETHENE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
34488	TRICHLOROFLUOROMETHANE	GRAB	N	EPA8260	< 5 ug/L	5 ug/L
77057	VINYL ACETATE	GRAB	N	EPA8260	< 10 ug/L	10 ug/L
39175	VINYL CHLORIDE	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
81551	XYLENES	GRAB	N	EPA8260	< 1 ug/L	1 ug/L
94	CONDUCTIVITY IN FIELD	GRAB	N	FIELD	238 umhos/cm	Fld umhos/cm
32230	CHLOROPHYLL-A	GRAB	N	SM 1000.G	25.4 mg/m3	1.5 mg/m3
46570	TOTAL HARDNESS	GRAB	N	SM2340B	81.6 mg/L CaCO	6.62 mg/L CaCO
31616	FECAL COLIFORM-MF	GRAB	N	SM9222.0	80 Col/100 mL	Col/100 mL

Facility GMS #:

Sample Date/Time: 8/9/96 7:52:00 AM

Test Site ID #:

Report Period: 96/3

Well Name: SMITH LAKE 1-A

960816409

Well Purged (Y/N): N

Classification of Ground Water: G II

Well Type:

- Background
- Intermediate
- Compliance
- Other

Ground Water Elevation (NGVD): NA

Depth to Water (ft.): NA

STORET Code	Parameter	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Results/Units	Detection Limits/Units
31616	FECAL COLIFORM-MF	GRAB	N	SM9222.0	90 Col/100 mL	Col/100 mL

Facility GMS #:

Sample Date/Time: 8/9/96 7:58:00 AM

Test Site ID #:

Report Period: 96/3

Well Name: SMITH LAKE 1-B

960816410

Well Purged (Y/N): N

Classification of Ground Water: G II

Well Type:

- Background
- Intermediate
- Compliance
- Other

Ground Water Elevation (NGVD): ~~NA~~

Depth to Water (ft.): ~~N/A~~

STORET Code	Parameter	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Results/Units	Detection Limits/Units
31616	FECAL COLIFORM-MF	GRAB	N	SM9222.0	20 Col/100 mL	Col/100 mL

Facility GMS #:

Sample Date/Time: 8/9/96 7:46:00 AM

Test Site ID #:

Report Period: 96/3

Well Name: SMITH LAKE 1-C

960816411

Well Purged (Y/N): N

Classification of Ground Water: G II

Well Type:

- Background
- Intermediate
- Compliance
- Other

Ground Water Elevation (NGVD): NA

Depth to Water (ft.): NA

STORET Code	Parameter	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Results/Units	Detection Limits/Units
31616	FECAL COLIFORM-MF	GRAB	N	SM9222.0	140 Col/100 mL	Col/100 mL

Facility GMS #:

Sample Date/Time: 8/9/96 7:39:00 AM

Test Site ID #:

Report Period: 96/3

Well Name: SMITH LAKE 1-D

960816412

Well Purged (Y/N): N

Classification of Ground Water: G II

Well Type:

- Background
- Intermediate
- Compliance
- Other

Ground Water Elevation (NGVD): ~~ND~~

Depth to Water (ft.): ~~NA~~

STORET Code	Parameter	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Results/Units	Detection Limits/Units
31616	FECAL COLIFORM-MF	GRAB	N	SM9222.0	950 Col/100 mL	Col/100 mL



Facility GMS #:

Sample Date/Time: 8/9/96 7:33:00 AM

Test Site ID #:

Report Period: 96/3

Well Name: SMITH LAKE 1-E

960816413

Well Purged (Y/N): N

Classification of Ground Water: G II

Well Type:

- Background
- Intermediate
- Compliance
- Other

Ground Water Elevation (NGVD): NA

Depth to Water (ft.): NA

STORET Code	Parameter	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Results/Units	Detection Limits/Units
31616	FECAL COLIFORM-MF	GRAB	N	SM9222.0	40 Col/100 mL	Col/100 mL

Facility GMS #:

Sample Date/Time: 8/29/96 10:23:00 AM

Test Site ID #:

Report Period: 96/3

Well Name: SUPPLY POST-CHLOR

960840901

Well Purged (Y/N): N

Classification of Ground Water: G II

Well Type:

- Background
- Intermediate
- Compliance
- Other

Ground Water Elevation (NGVD): ~~NA~~

Depth to Water (ft.): ~~NA~~

STORET Code	Parameter	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Results/Units	Detection Limits/Units
406	pH IN FIELD	GRAB	N	EPA150.1	4.48 pH UNITS	Fld pH UNITS
10	TEMPERATURE IN FIELD	GRAB	N	EPA170.1	25.2 DEG C	Fld DEG C
50060	RESIDUAL CHLORINE-DPD	GRAB	N	EPA330.5	0 mg/L	mg/L
94	CONDUCTIVITY IN FIELD	GRAB	N	FIELD	510 umhos/cm	Fld umhos/cm
31616	FECAL COLIFORM-MF	GRAB	N	SM9222.0	< 1 Col/100 mL	1 Col/100 mL
31507	TOTAL COLIFORM-MF	GRAB	N	SM9222B	< 1 Col/100 mL	1 Col/100 mL

Facility GMS #:

Sample Date/Time: 8/29/96 10:25:00 AM

Test Site ID #:

Report Period: 96/3

Well Name: SUPPLY PRE-CHLOR

960840902

Well Purged (Y/N): N

Classification of Ground Water: G II

Well Type:  Background

Ground Water Elevation (NGVD): NA

Intermediate

Depth to Water (ft.): NA

Compliance

Other

STORET Code	Parameter	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Results/Units	Detection Limits/Units
406	pH IN FIELD	GRAB	N	EPA150.1	3.38 pH UNITS	Field pH UNITS
10	TEMPERATURE IN FIELD	GRAB	N	EPA170.1	25 DEG C	Field DEG C
94	CONDUCTIVITY IN FIELD	GRAB	N	FIELD	374 umhos/cm	Field umhos/cm
31616	FECAL COLIFORM-MF	GRAB	N	SM9222.0	< 1 Col/100 mL	1 Col/100 mL
31507	TOTAL COLIFORM-MF	GRAB	N	SM9222B	< 1 Col/100 mL	1 Col/100 mL