

GROUNDWATER MONITORING REPORT

Hillsborough County Solid Waste Dept.
 Att.: James Clayton
 Post Office Box 1110
 Tampa, FL 33601

Report No. HC-162

Sample date: 02/23/94

SURF SITE 1A-1E

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

Well Type:

GMS:
 Well Purged Prior to
 Sample Collection (Yes/No):

Groundwater Elevation
 (above MSL) ~~NA~~ (ft.)
 Water Level ~~NA~~ (ft.)

Storet Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Results	Units	F-U	Preservative
95	conductivity	Grab	EPA120.1	190	umhos/cm		NONE
94	conductivity in field	Grab	APHA205	196	coc units		
403	ph	Grab	EPA180.1	8.33	pH UNITS		
70300	total dissolved solids	Grab	EPA160.1	122	mg/l	U	NONE
82079	turbidity	Grab	EPA180.1	16.7	ntu	U	NONE
630	nitrate + nitrite	Grab	EPA353.2	<0.01	mg/l as N	U	NONE
625	total kjeldahl nitrogen	Grab	EPA351.2	1.66	mg/l as N	U	H2SO4 to pH<2
600	total nitrogen	Grab	EPA353.2	1.66	mg/l as N		
665	total phosphorus	Grab	EPA365.4	2.76	mg/l as P	U	H2SO4 to pH<2
310	biochemical oxygen demand	Grab	EPA405.1	7	mg/liter	U	NONE
340	chemical oxygen demand	Grab	EPA410.2	69	mg/l	U	H2SO4 to pH<2
940	chloride	Grab	EPA325.2	14.5	mg/l	U	NONE
300	dissolved oxygen, field	Grab	EPA360.1	10.62	mg/liter		
560	grease & oil	Grab	EPA413.2	<5	mg/l	U	H2SO4 to pH<2
1045	iron-icp method	Grab	EPA200.7	40	ug/l	U	HNO3 to pH<2
406	ph in field	Grab	EPA150.1	8.19	pH UNITS		
945	sulfate	Grab	EPA375.4	3	mg/l	U	NONE
10	temperature in field	Grab	EPA170.1	23.8	oC		
410	total alkalinity	Grab	EPA310.1	64.5	mg/l CaCO3	U	NONE
680	total organic carbon	Grab	EPA415.1	26	mg/l as C	U	H2SO4 to pH<2

County : Hillsborough
 SE County Sanitary Landfill

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SURF SITE 2

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

Well Type:

GMS:

Well Purged Prior to
 Sample Collection (Yes/No):

Groundwater Elevation
 (above MSL) ~~NA~~ (ft.)
 Water Level ~~NA~~ (ft.)

Storet Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Results	Units	F-U	Preservative
95	conductivity	Grab	EPA120.1	109	umhos/cm		NONE
94	conductivity in field	Grab	APHA205	111	coc units		
403	ph	Grab	EPA180.1	5.22	pH UNITS		
70300	total dissolved solids	Grab	EPA160.1	104	mg/l	U	NONE
82079	turbidity	Grab	EPA180.1	1020	ntu	U	NONE
630	nitrate + nitrite	Grab	EPA353.2	0.06	mg/l as N	U	NONE
625	total kjeldahl nitrogen	Grab	EPA351.2	30.9	mg/l as N	U	H2SO4 to pH<2
600	total nitrogen	Grab	EPA353.2	31	mg/l as N		
665	total phosphorus	Grab	EPA365.4	11.8	mg/l as P	U	H2SO4 to pH<2
310	biochemical oxygen demand	Grab	EPA405.1	20	mg/liter	U	NONE
340	chemical oxygen demand	Grab	EPA410.2	1590	mg/l	U	H2SO4 to pH<2
940	chloride	Grab	EPA325.2	15.1	mg/l	U	NONE
300	dissolved oxygen, field	Grab	EPA360.1	0.83	mg/liter		
560	grease & oil	Grab	EPA413.2	<5	mg/l	U	H2SO4 to pH<2
1045	iron-icp method	Grab	EPA200.7	4310	ug/l	U	HNO3 to pH<2
406	ph in field	Grab	EPA150.1	4.95	pH UNITS		
945	sulfate	Grab	EPA375.4	<1	mg/l	U	NONE
10	temperature in field	Grab	EPA170.1	22.4	oC		
410	total alkalinity	Grab	EPA310.1	<1	mg/l CaCO3	U	NONE
680	total organic carbon	Grab	EPA415.1	108	mg/l as C	U	H2SO4 to pH<2

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

Well Type:

SURF SITE 3B2B

GMS:

Well Purged Prior to
 Sample Collection (Yes/No):

Groundwater Elevation
 (above MSL) ~~NA~~ (ft.)
 Water Level ~~NA~~ (ft.)

Storet Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Results	Units	F-U	Preservative
95	conductivity	Grab	EPA120.1	224	umhos/cm		NONE
94	conductivity in field	Grab	APHA205	231	coc units		
403	ph	Grab	EPA180.1	6.84	pH UNITS		
70300	total dissolved solids	Grab	EPA160.1	120	mg/l	U	NONE
82079	turbidity	Grab	EPA180.1	7.04	ntu	U	NONE
630	nitrate + nitrite	Grab	EPA353.2	0.06	mg/l as N	U	NONE
625	total kjeldahl nitrogen	Grab	EPA351.2	1.77	mg/l as N	U	H2SO4 to pH<2
600	total nitrogen	Grab	EPA353.2	1.83	mg/l as N		
665	total phosphorus	Grab	EPA365.4	1.2	mg/l as P	U	H2SO4 to pH<2
310	biochemical oxygen demand	Grab	EPA405.1	3	mg/liter	U	NONE
340	chemical oxygen demand	Grab	EPA410.2	36	mg/l	U	H2SO4 to pH<2
940	chloride	Grab	EPA325.2	30.5	mg/l	U	NONE
300	dissolved oxygen, field	Grab	EPA360.1	6.28	mg/liter		
560	grease & oil	Grab	EPA413.2	<5	mg/l	U	H2SO4 to pH<2
1045	iron-icp-method	Grab	EPA200.7	5490	ug/l	U	HNO3 to pH<2
406	ph-in-field <i>ok</i>	Grab	EPA150.1	6.33 <i>ok</i>	pH UNITS		
945	sulfate	Grab	EPA375.4	29	mg/l	U	NONE
10	temperature in field	Grab	EPA170.1	21	oC		
410	total alkalinity	Grab	EPA310.1	22	mg/l CaCO3	U	NONE
680	total organic carbon	Grab	EPA415.1	16	mg/l as C	U	H2SO4 to pH<2

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PARAMETER MONITORING REPORT
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Well Type:

SURF SITE 3C2

GMS:

Well Purged Prior to
 Sample Collection (Yes/No):

Groundwater Elevation
 (above MSL) ~~NA~~ (ft.)
 Water Level ~~NA~~ (ft.)

Storet Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Results	Units	F-U	Preservative
95	conductivity	Grab	EPA120.1	200	umhos/cm		NONE
94	conductivity in field	Grab	APHA205	206	coc units		
403	ph	Grab	EPA180.1	7.06	pH UNITS		
70300	total dissolved solids	Grab	EPA160.1	124	mg/l	U	NONE
82079	turbidity	Grab	EPA180.1	3.14	ntu	U	NONE
630	nitrate + nitrite	Grab	EPA353.2	0.03	mg/l as N	U	NONE
625	total kjeldahl nitrogen	Grab	EPA351.2	<0.1	mg/l as N	U	H2SO4 to pH<2
600	total nitrogen	Grab	EPA353.2	0.03	mg/l as N		
665	total phosphorus	Grab	EPA365.4	0.82	mg/l as P	U	H2SO4 to pH<2
310	biochemical oxygen demand	Grab	EPA405.1	2	mg/liter	U	NONE
340	chemical oxygen demand	Grab	EPA410.2	24	mg/l	U	H2SO4 to pH<2
940	chloride	Grab	EPA325.2	20.6	mg/l	U	NONE
300	dissolved oxygen, field	Grab	EPA360.1	6.47	mg/liter		
560	grease & oil	Grab	EPA413.2	<5	mg/l	U	H2SO4 to pH<2
1045	iron-icp method	Grab	EPA200.7	190	ug/l	U	HNO3 to pH<2
406	ph in field	Grab	EPA150.1	6.77	pH UNITS		
945	sulfate	Grab	EPA375.4	25	mg/l	U	NONE
10	temperature in field	Grab	EPA170.1	22.1	oC		
410	total alkalinity	Grab	EPA310.1	34.9	mg/l CaCO3	U	NONE
680	total organic carbon	Grab	EPA415.1	14	mg/l as C	U	H2SO4 to pH<2

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SURF SITE 3A

PARAMETER MONITORING REPORT
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Well Type:

GMS:

Well Purged Prior to
 Sample Collection (Yes/No):

Groundwater Elevation
 (above MSL) ~~NA~~ (ft.)
 Water Level ~~NA~~ (ft.)

Storet Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Results	Units	F-U	Preservative
95	conductivity	Grab	EPA120.1	277	umhos/cm		NONE
94	conductivity in field	Grab	APHA205	283	coc units		
403	ph ok	Grab	ck EPA180.1	6.11	pH UNITS		
70300	total dissolved solids	Grab	EPA160.1	152	mg/l	U	NONE
82079	turbidity	Grab	EPA180.1	2.05	ntu	U	NONE
630	nitrate + nitrite	Grab	EPA353.2	0.78	mg/l as N	U	NONE
625	total kjeldahl nitrogen	Grab	EPA351.2	<0.1	mg/l as N	U	H2SO4 to pH<2
600	total nitrogen	Grab	EPA353.2	0.78	mg/l as N		
665	total phosphorus	Grab	EPA365.4	0.03	mg/l as P	U	H2SO4 to pH<2
310	biochemical oxygen demand	Grab	EPA405.1	1	mg/liter	U	NONE
340	chemical oxygen demand	Grab	EPA410.2	11	mg/l	U	H2SO4 to pH<2
940	chloride	Grab	EPA325.2	39.3	mg/l	U	NONE
300	dissolved oxygen, field	Grab	EPA360.1	5.92	mg/liter		
560	grease & oil	Grab	EPA413.2	<5	mg/l	U	H2SO4 to pH<2
1045	iron-icp method	Grab	EPA200.7	190	ug/l	U	HNO3 to pH<2
406	ph in field Low	Grab	EPA150.1	5.73 Low	pH-UNITS		
945	sulfate	Grab	EPA375.4	51	mg/l	U	NONE
10	temperature in field	Grab	EPA170.1	23.4	oC		
410	total alkalinity	Grab	EPA310.1	6.1	mg/l CaCO3	U	NONE
680	total organic carbon	Grab	EPA415.1	6	mg/l as C	U	H2SO4 to pH<2

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SURF SITE 3A DUP

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

Well Type:

GMS:

Well Purged Prior to
 Sample Collection (Yes/No):

Groundwater Elevation
 (above MSL) ~~NA~~ (ft.)
 Water Level ~~NA~~ (ft.)

Storet Code	Parameter Monitored	Sampling Analysis		Analysis		F-U	Preservative
		Method	Method	Results	Units		
95	conductivity	Grab	EPA120.1	270	umhos/cm		NONE
94	conductivity in field	Grab	APHA205	283	coc units		
403	ph <i>ok</i>	Grab	EPA180.1	6.42 <i>ok</i>	pH UNITS		
70300	total dissolved solids	Grab	EPA160.1	134	mg/l	U	NONE
82079	turbidity	Grab	EPA180.1	2.32	ntu	U	NONE
630	nitrate + nitrite	Grab	EPA353.2	0.8	mg/l as N	U	NONE
625	total kjeldahl nitrogen	Grab	EPA351.2	<0.1	mg/l as N	U	H2SO4 to pH<2
600	total nitrogen	Grab	EPA353.2	0.8	mg/l as N		
665	total phosphorus	Grab	EPA365.4	<0.02	mg/l as P	U	H2SO4 to pH<2
310	biochemical oxygen demand	Grab	EPA405.1	2	mg/liter	U	NONE
340	chemical oxygen demand	Grab	EPA410.2	8	mg/l	U	H2SO4 to pH<2
940	chloride	Grab	EPA325.2	39.7	mg/l	U	NONE
300	dissolved oxygen, field	Grab	EPA360.1	5.92	mg/liter		
560	grease & oil	Grab	EPA413.2	<5	mg/l	U	H2SO4 to pH<2
1045	iron-icp method	Grab	EPA200.7	180	ug/l	U	HNO3 to pH<2
406	ph in field <i>Low</i>	Grab	EPA150.1	5.73 <i>Low</i>	pH UNITS		
945	sulfate	Grab	EPA375.4	49	mg/l	U	NONE
10	temperature in field	Grab	EPA170.1	23.4	oC		
410	total alkalinity	Grab	EPA310.1	6.1	mg/l CaCO3	U	NONE
680	total organic carbon	Grab	EPA415.1	6	mg/l as C	U	H2SO4 to pH<2