SOUTHEAST COUNTY LANDFILL SUFICIAL AQUIFER GROUNDWATER CONTOUR MAP AUGUST 7,2019

2019 AERIAL PHOTO

FIGURE 2

Hillsborough County Florida

TH-66A 122.94

TH-38B 121.83

TH-79 122.88

TH-80 121.93

TH-82 121.47

TH-67 126.54

TH-81 124.14

126

125

124

123

122

TH-83 122.89

TH-20B 123.31

123

Legend

Direction Of Flow

Existing Monitoring Wells

2019 Aerials

RGB

Red: Red

Green: Green

Blue: Blue

N

NOTE: Every reasonable effort has been made to assure the accuracy of this map. Hillsborough County does not assume any liability arising from use of this map. THIS MAP IS PROVIDED WITHOUT WARRANTY OF ANY KIND, either expressed or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose.

SOURCE: This map has been prepared for the inventory of real property found within Hillsborough County and is compiled from recorded deeds, plats, and other public records; it has been based on BEST AVAILABLE data.

Users of this map are hereby notified that the aforementioned public primary information sources should be consulted for verification of the information contained on this map.

BSOC
332 N. Falkenburg Rd
Tampa, Fl 33619

0 0.0085 0.017 Miles

Date: 10/11/2019 Path: U:\LANDFILL\Southeast Landfill Data\Southeast County Landfill_8_07_2019.mxd

Table 2 - Southeast County Landfill
Surficial Aquifer Groundwater Elevations
August 7, 2019

Measuring Point I.D.	T.O.C. Elevations (NGVD)	W.L. B.T.O.C.	W.L. (NGVD)
TH-20B	132.57	9.26	123.31
TH-38B	131.81	9.98	121.83
TH-66A	130.66	7.72	122.94
TH-67	129.51	2.97	126.54
TH-79	129.60	6.72	122.88
TH-80	129.52	7.59	121.93
TH-81	130.26	6.12	124.14
TH-82	131.24	9.77	121.47
TH-83	130.23	7.34	122.89
NGVD	**= National Geodetic Vertical Datum**		
T.O.C.	**= Top of Casing**		
B.T.O.C.	**= Below Top of Casing**		
W.L.	**= Water Level**		

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August 22, 2019

Michael Townsel
Hillsborough Co Public Utilites
332 North Falkenburg Rd
Tampa, FL 33619

RE: Workorder: T1913741 SELF Supplemental Site Assess

Dear Michael Townsel:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, August 07, 2019. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Heidi Parker - Project Manager
HParker@AELLab.com

Enclosures

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SAMPLE SUMMARY

Workorder: T1913741 SELF Supplemental Site Assess

Lab ID	Sample ID	Matrix	Date Collected	Date Received
T1913741001	TH-66A	Water	8/7/2019 10:07	8/7/2019 14:18
T1913741002	TH-79	Water	8/7/2019 10:48	8/7/2019 14:18
T1913741003	Field Blank	Water	8/7/2019 11:11	8/7/2019 14:18
T1913741004	TH-67	Water	8/7/2019 11:28	8/7/2019 14:18
T1913741005	TH-83	Water	8/7/2019 12:08	8/7/2019 14:18
T1913741006	Duplicate	Water	8/7/2019 00:00	8/7/2019 14:18

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ANALYTICAL RESULTS

Workorder: T1913741 SELF Supplemental Site Assess

Lab ID: **T1913741001** Date Received: 08/07/19 14:18 Matrix: Water

Sample ID: **TH-66A** Date Collected: 08/07/19 10:07

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**273.5**		**umhos/cm**	**1**			8/7/2019 10:07	....
Dissolved Oxygen	**0.13**		**mg/L**	**1**			8/7/2019 10:07	....
ORP-2580BW	**-102.3**		**mV**	**1**			8/7/2019 10:07	....
Temperature	**26.5**		**°C**	**1**			8/7/2019 10:07	....
Turbidity	**2.89**		**NTU**	**1**			8/7/2019 10:07	....
pH	**6.14**		**SU**	**1**			8/7/2019 10:07	....
METALS								
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**9.5**		**mg/L**	**1**	5.0	2.6	8/8/2019 14:51	T
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Sodium	**6.1**		**mg/L**	**1**	0.20	0.17	8/8/2019 17:07	T
METALS								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.72**		**mg/L**	**1**	0.10	0.029	8/19/2019 12:17	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**160**		**mg/L**	**1**	10	10	8/12/2019 10:00	T

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ANALYTICAL RESULTS

Workorder: T1913741 SELF Supplemental Site Assess

Lab ID: **T1913741002** Date Received: 08/07/19 14:18 Matrix: Water

Sample ID: **TH-79** Date Collected: 08/07/19 10:48

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**297.1**		**umhos/cm**	**1**			8/7/2019 10:48	....
Dissolved Oxygen	**0.85**		**mg/L**	**1**			8/7/2019 10:48	....
ORP-2580BW	**13.9**		**mV**	**1**			8/7/2019 10:48	....
Temperature	**27.4**		**°C**	**1**			8/7/2019 10:48	....
Turbidity	**16.6**		**NTU**	**1**			8/7/2019 10:48	....
pH	**5.88**		**SU**	**1**			8/7/2019 10:48	....
METALS								
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**8.8**		**mg/L**	**1**	5.0	2.6	8/8/2019 15:00	T
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Sodium	**8.7**		**mg/L**	**1**	0.20	0.17	8/8/2019 17:11	T
METALS								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.84**		**mg/L**	**1**	0.10	0.029	8/19/2019 12:17	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**170**		**mg/L**	**1**	10	10	8/12/2019 10:00	T

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ANALYTICAL RESULTS

Workorder: T1913741 SELF Supplemental Site Assess

Lab ID: **T1913741003** Date Received: 08/07/19 14:18 Matrix: Water

Sample ID: **Field Blank** Date Collected: 08/07/19 11:11

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Sodium	**0.17**	**U**	**mg/L**	**1**	0.20	0.17	8/9/2019 14:58	T
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.029**	**U**	**mg/L**	**1**	0.10	0.029	8/19/2019 12:18	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**10**	**U**	**mg/L**	**1**	10	10	8/12/2019 10:00	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**2.6**	**U**	**mg/L**	**1**	5.0	2.6	8/8/2019 14:53	T

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ANALYTICAL RESULTS

Workorder: T1913741 SELF Supplemental Site Assess

Lab ID: **T1913741004** Date Received: 08/07/19 14:18 Matrix: Water

Sample ID: **TH-67** Date Collected: 08/07/19 11:28

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**172.9**		**umhos/cm**	**1**			8/7/2019 11:28	....
Dissolved Oxygen	**0.15**		**mg/L**	**1**			8/7/2019 11:28	....
ORP-2580BW	**92.5**		**mV**	**1**			8/7/2019 11:28	....
Temperature	**27.9**		**°C**	**1**			8/7/2019 11:28	....
Turbidity	**5.21**		**NTU**	**1**			8/7/2019 11:28	....
pH	**6.27**		**SU**	**1**			8/7/2019 11:28	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Sodium	**1.8**		**mg/L**	**1**	0.20	0.17	8/8/2019 17:15	T
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**0.08**	**I**	**mg/L**	**1**	0.10	0.029	8/19/2019 12:19	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**110**		**mg/L**	**1**	10	10	8/12/2019 10:00	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**5.1**		**mg/L**	**1**	5.0	2.6	8/8/2019 14:54	T

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ANALYTICAL RESULTS

Workorder: T1913741 SELF Supplemental Site Assess

Lab ID: **T1913741005** Date Received: 08/07/19 14:18 Matrix: Water

Sample ID: **TH-83** Date Collected: 08/07/19 12:08

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
FIELD PARAMETERS								
Analysis Desc: Data entry of field measurements	Analytical Method: Field Measurements							
Conductivity	**1204**		**umhos/cm**	**1**			8/7/2019 12:08	....
Dissolved Oxygen	**0.71**		**mg/L**	**1**			8/7/2019 12:08	....
ORP-2580BW	**126.5**		**mV**	**1**			8/7/2019 12:08	....
Temperature	**28.5**		**°C**	**1**			8/7/2019 12:08	....
Turbidity	**3.13**		**NTU**	**1**			8/7/2019 12:08	....
pH	**6.39**		**SU**	**1**			8/7/2019 12:08	....
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Sodium	**120**		**mg/L**	**1**	0.20	0.17	8/8/2019 17:18	T
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**17**		**mg/L**	**5**	0.50	0.14	8/19/2019 14:38	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**650**		**mg/L**	**1**	10	10	8/12/2019 10:00	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**280**		**mg/L**	**5**	25	13	8/8/2019 15:16	T

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ANALYTICAL RESULTS

Workorder: T1913741 SELF Supplemental Site Assess

Lab ID: **T1913741006** Date Received: 08/07/19 14:18 Matrix: Water

Sample ID: **Duplicate** Date Collected: 08/07/19 00:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
METALS								
Analysis Desc: SW846 6010B Analysis,Water	Preparation Method: SW-846 3010A Analytical Method: SW-846 6010							
Sodium	**120**		**mg/L**	**1**	0.20	0.17	8/8/2019 17:37	T
WET CHEMISTRY								
Analysis Desc: Ammonia,E350.1,Water	Analytical Method: EPA 350.1							
Ammonia (N)	**17**		**mg/L**	**5**	0.50	0.14	8/19/2019 14:38	T
Analysis Desc: Tot Dissolved Solids,SM2540C	Analytical Method: SM 2540 C							
Total Dissolved Solids	**660**		**mg/L**	**1**	10	10	8/12/2019 10:00	T
Analysis Desc: Chlorides,SM4500-Cl-E,Water	Analytical Method: SM 4500-Cl-E							
Chloride	**270**		**mg/L**	**5**	25	13	8/8/2019 15:16	T

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ANALYTICAL RESULTS QUALIFIERS

Workorder: T1913741 SELF Supplemental Site Assess

PARAMETER QUALIFIERS

U	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.

LAB QUALIFIERS

T	DOH Certification #E84589(AEL-T)(FL NELAC Certification)
T^	Not Certified

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QUALITY CONTROL DATA

Workorder: T1913741 SELF Supplemental Site Assess

QC Batch: DGMt/3754 Analysis Method: SW-846 6010
QC Batch Method: SW-846 3010A Prepared: 08/08/2019 10:00
Associated Lab Samples: T1913741001, T1913741002, T1913741003, T1913741004, T1913741005, T1913741006

METHOD BLANK: 3182830

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
METALS				
Sodium	mg/L	0.17	0.17	U

LABORATORY CONTROL SAMPLE: 3182831

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
METALS						
Sodium	mg/L	50	49	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3182832 3182833 Original: T1913715001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
METALS											
Sodium	mg/L	74	50	120	120	84	85	75-125	0	20	

QC Batch: WCAt/12775 Analysis Method: SM 4500-Cl-E
QC Batch Method: SM 4500-Cl-E Prepared:
Associated Lab Samples: T1913741001, T1913741002, T1913741003, T1913741004, T1913741005, T1913741006

METHOD BLANK: 3183725

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Chloride	mg/L	2.6	2.6	U

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QUALITY CONTROL DATA

Workorder: T1913741 SELF Supplemental Site Assess

LABORATORY CONTROL SAMPLE: 3183726

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Chloride	mg/L	50	48	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3183727 3183728 Original: T1913741001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Chloride	mg/L	9.5	50	58	58	97	98	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3183729 3183730 Original: T1913741002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Chloride	mg/L	8.8	50	59	57	101	97	90-110	4	10	

QC Batch: WCAt/12800 Analysis Method: SM 2540 C

QC Batch Method: SM 2540 C Prepared:

Associated Lab Samples: T1913741001, T1913741002, T1913741003, T1913741004, T1913741005, T1913741006

METHOD BLANK: 3185478

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Total Dissolved Solids	mg/L	10	10	U

LABORATORY CONTROL SAMPLE: 3185479

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	660	680	103	85-115	

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QUALITY CONTROL DATA

Workorder: T1913741 SELF Supplemental Site Assess

SAMPLE DUPLICATE: 3185480 Original: T1913738014

Parameter	Units	Original Result	DUP Result	RPD	Max RPD	Qualifiers
WET CHEMISTRY						
Total Dissolved Solids	mg/L	870	860	0	10	

QC Batch: WCAt/12964 Analysis Method: EPA 350.1

QC Batch Method: EPA 350.1 Prepared:

Associated Lab Samples: T1913741001, T1913741002, T1913741003, T1913741004, T1913741005, T1913741006

METHOD BLANK: 3193501

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
WET CHEMISTRY				
Ammonia (N)	mg/L	0.029	0.029	U

LABORATORY CONTROL SAMPLE: 3193502

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
WET CHEMISTRY						
Ammonia (N)	mg/L	0.5	0.53	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3193503 3193504 Original: F1902983002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Ammonia (N)	mg/L	0.02	1	1.1	1.1	110	108	90-110	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3193505 3193506 Original: T1913742002

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
WET CHEMISTRY											
Ammonia (N)	mg/L	-0.02	1	1.1	1.0	108	105	90-110	3	10	

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: T1913741 SELF Supplemental Site Assess

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
T1913741001	TH-66A	SW-846 3010A	DGMt/3754	SW-846 6010	ICPt/2603
T1913741002	TH-79	SW-846 3010A	DGMt/3754	SW-846 6010	ICPt/2603
T1913741003	Field Blank	SW-846 3010A	DGMt/3754	SW-846 6010	ICPt/2603
T1913741004	TH-67	SW-846 3010A	DGMt/3754	SW-846 6010	ICPt/2603
T1913741005	TH-83	SW-846 3010A	DGMt/3754	SW-846 6010	ICPt/2603
T1913741006	Duplicate	SW-846 3010A	DGMt/3754	SW-846 6010	ICPt/2603
T1913741001	TH-66A			SM 4500-Cl-E	WCAt/12775
T1913741002	TH-79			SM 4500-Cl-E	WCAt/12775
T1913741003	Field Blank			SM 4500-Cl-E	WCAt/12775
T1913741004	TH-67			SM 4500-Cl-E	WCAt/12775
T1913741005	TH-83			SM 4500-Cl-E	WCAt/12775
T1913741006	Duplicate			SM 4500-Cl-E	WCAt/12775
T1913741001	TH-66A			SM 2540 C	WCAt/12800
T1913741002	TH-79			SM 2540 C	WCAt/12800
T1913741003	Field Blank			SM 2540 C	WCAt/12800
T1913741004	TH-67			SM 2540 C	WCAt/12800
T1913741005	TH-83			SM 2540 C	WCAt/12800
T1913741006	Duplicate			SM 2540 C	WCAt/12800
T1913741001	TH-66A			EPA 350.1	WCAt/12964
T1913741002	TH-79			EPA 350.1	WCAt/12964
T1913741003	Field Blank			EPA 350.1	WCAt/12964
T1913741004	TH-67			EPA 350.1	WCAt/12964
T1913741005	TH-83			EPA 350.1	WCAt/12964
T1913741006	Duplicate			EPA 350.1	WCAt/12964
T1913741001	TH-66A	Field Measurements	FLDt/	Field Measurements	FLDt/
T1913741002	TH-79	Field Measurements	FLDt/	Field Measurements	FLDt/
T1913741004	TH-67	Field Measurements	FLDt/	Field Measurements	FLDt/
T1913741005	TH-83	Field Measurements	FLDt/	Field Measurements	FLDt/

CERTIFICATE OF ANALYSIS

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Thursday, August 22, 2019 12:20:59 PM

Advanced Environmental Laboratories, Inc.

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T1913741

Client Name: Hills. Co. Public Utilities	Project Name: SELF Supplemental Site Assessment
Address: 332 North Falkenburg Rd.	P.O. Number/Project Number: N/A
Tampa, Florida 33619	Project Location: Southeast County Landfill
Phone: (813) 663-3222	REMARKS/SPECIAL INSTRUCTIONS
FAX: (813) 274-6801	
Contact: Michael Townsel	
Sampled By: T. Aguilar A. Wood	
Turn Around Time: ☑ STANDARD ☐ RUSH	
Page: 1 of: 1	

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	PRESERVATION	ANALYSIS REQUIRED: Total Ammonia-N	Sodium	Chloride	TDS	LABORATORY I.D. NUMBER
	TH-66A	G	8/7/19	10:07	GW	3		X	X	X	X	201
	TH-79	G	8/7/19	10:48	GW	3		X	X	X	X	202
	Field Blank	G	8/7/19	11:11	DI	3		X	X	X	X	203
	TH-67	G	8/7/19	11:28	GW	3		X	X	X	X	204
	TH-83	G	8/7/19	12:08	GW	3		X	X	X	X	205
	Duplicate	G	8/7/19	—	GW	3		X	X	X	X	206

Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge

Preservation Code: I = ice H=(HCl) S = (H2SO4) N = (HNO3) T = (Sodium Thiosulfate)

Received on Ice: ☑ Yes ☐ No ☑ Temp taken from sample ☐ Temp from blank ☑ Where required, pH checked Temperature when received 5.1 (in degrees celcius)

Device used for measuring Temp by unique identifier (circle IR temp gun used): J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 1A S: 1V

Form revised 09/19/2012

	Relinquished by	Date	Time	Received by	Date	Time
1		8/7/19	1418		8/7/19	1418
2						
3						
4						

FOR DRINKING WATER USE (When PWS information not otherwise supplied)

PWS ID:

Contact Person: Phone:

Supplier of Water:

Site-Address:

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill	SITE LOCATION: Lithia, Florida	DATE: 8/7/19
WELL NO: TH-66A	SAMPLE ID: TH-66A	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/2	WELL SCREEN INTERVAL DEPTH: 5.37 ft to 15.37 ft	STATIC DEPTH TO WATER (feet): 7.72	PURGE PUMP TYPE OR BAILER: BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (15.37 feet - 7.72 feet) X 0.16 gallons/foot = 1.22 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 55 feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 14.37	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 14.37	PURGING INITIATED AT: 9:43	PURGING ENDED AT: 10:07	TOTAL VOLUME PURGED (gallons): 1.92

TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
10:03	1.28	1.28	0.16	10.34	6.14	26.5	274.5	0.18	2.34	Clear	None
10:05	0.32	1.6	0.16	10.34	6.14	26.5	273.9	0.16	2.13	Clear	None
10:07	0.32	1.92	0.16	10.34	6.14	26.5	273.5	0.13	2.89		

8/7/19

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./FL): 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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: T. Aguilar A. Wood	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 10:07	SAMPLING ENDED AT: 10:09
PUMP OR TUBING DEPTH IN WELL (feet): 14.37	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	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	SAMPLE PUMP FLOW RATE (mL per minute)

REMARKS: SEE C.O.C. FOR SAMPLE ANALYSIS ORP: 10:03 (-95.7), 10:05 (-98.5), 10:07 (-102.3)

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME	SITE LOCATION	DATE
Southeast County Landfill	Lithia, Florida	8/7/19
WELL NO. TH-79	SAMPLE ID: TH-79	

PURGING DATA

WELL DIAMETER (inches)	TUBING DIAMETER (inches)	WELL SCREEN INTERVAL DEPTH	STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER
2	1/2	7.80 ft to 17.80 ft	6.72	BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (17.80 feet − 6.72 feet) X 0.16 gallons/foot = 1.77 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)
16.80	16.80	10:26	10:48	2.2

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
10:44	1.8	1.8	0.1	8.12	5.89	27.4	292.3	0.86	18.7	Clear	None
10:46	0.2	2.0	0.1	8.12	5.88	27.4	295.0	0.80	17.5	Clear	None
10:48	0.2	2.2	0.1	8.12	5.88	27.4	297.1	0.85	16.6	Clear	None

8/7/19

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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION	SAMPLER(S) SIGNATURE(S)	SAMPLING INITIATED AT	SAMPLING ENDED AT
T. Aguilar A. Wood		10:48	10:56

PUMP OR TUBING DEPTH IN WELL (feet)	TUBING MATERIAL CODE	FIELD-FILTERED Y (N) Filtration Equipment Type	FILTER SIZE µm
16.80	T		

FIELD DECONTAMINATION PUMP Y (N) TUBING Y (N) (replaced) 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	SAMPLE PUMP FLOW RATE (mL per minute)

REMARKS: SEE C.O.C. FOR SAMPLE ANALYSIS ORP: 10:44 (12.7), 10:46 (13.2), 10:48 (13.9)

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill	SITE LOCATION: Lithia, Florida	
WELL NO: Field Blank	SAMPLE ID: Field Blank	DATE: 8/7/19

PURGING DATA

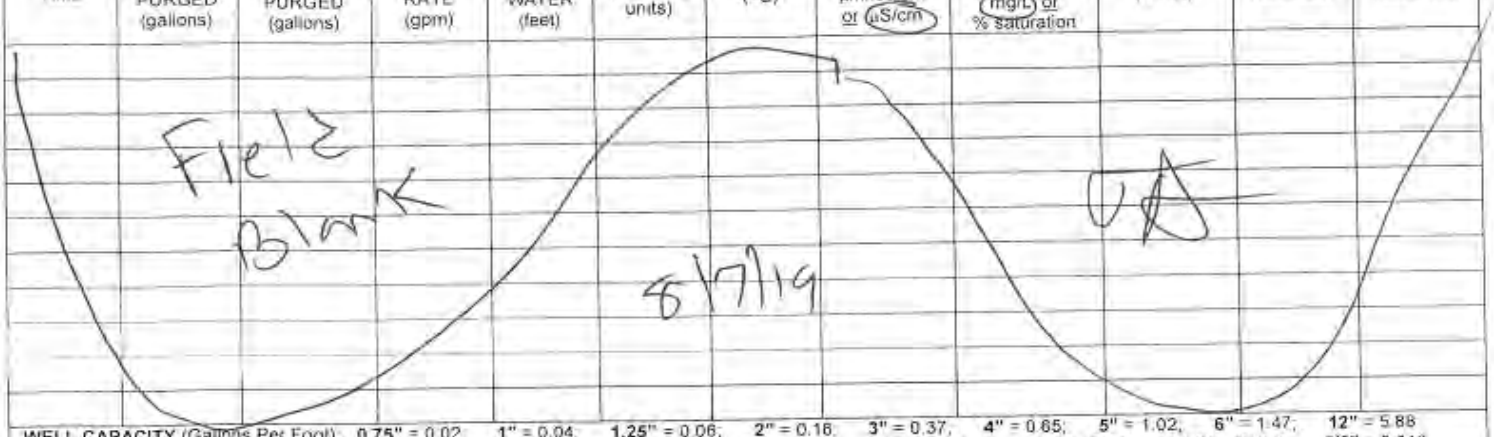
WELL DIAMETER (inches): N/A	TUBING DIAMETER (inches): N/A	WELL SCREEN INTERVAL DEPTH: N/A ft to N/A	STATIC DEPTH TO WATER (feet): N/A	PURGE PUMP TYPE OR BAILER: N/A

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (N/A feet – N/A feet) X 0.16 gallons/foot = N/A gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): N/A	FINAL PUMP OR TUBING DEPTH IN WELL (feet): N/A	PURGING INITIATED AT: N/A	PURGING ENDED AT: N/A	TOTAL VOLUME PURGED (gallons): N/A

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)



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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: T. Aguilar A. Wood	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 11:11	SAMPLING ENDED AT: 11:12
PUMP OR TUBING DEPTH IN WELL (feet): N/A	TUBING MATERIAL CODE: N/A	FIELD-FILTERED: Y (N) Filtration Equipment Type	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	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	SAMPLE PUMP FLOW RATE (mL per minute)

REMARKS: SEE C.O.C. FOR SAMPLE ANALYSIS

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2), optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME	SITE LOCATION	DATE
Southeast County Landfill	Lithia, Florida	8/7/19
WELL NO: TH-67	SAMPLE ID: TH-67	

PURGING DATA

WELL DIAMETER (inches)	TUBING DIAMETER (inches)	WELL SCREEN INTERVAL DEPTH	STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER
2	0.5	5.25 ft to 15.25 ft	2.97	BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (15.25 feet – 2.97 feet) x 0.16 gallons/foot = 1.96 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)
14.25	14.25	11:04	11:28	2.4

TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND (circle units) µmhos/cm or (mS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
11:24	2.0	2.0	0.1	3.36	6.28	27.8	176.1	0.20	5.12	Clear	None
11:26	0.2	2.2	0.1	3.36	6.27	27.8	174.8	0.16	4.80	Clear	None
11:28	0.2	2.4	0.1	3.36	6.27	27.9	172.9	0.15	5.21	Clear	None

8/7/19

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" = 5.86
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
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION	SAMPLER(S) SIGNATURE(S)	SAMPLING INITIATED AT	SAMPLING ENDED AT
T. Aguilar A. Wood		11:28	11:30

PUMP OR TUBING DEPTH IN WELL (feet)	TUBING MATERIAL CODE	FIELD-FILTERED Y (N) Filtration Equipment Type	FILTER SIZE ____ µm
14.25	T		

FIELD DECONTAMINATION PUMP Y (N) TUBING Y (N) (replaced) 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	SAMPLE PUMP FLOW RATE (mL per minute)

REMARKS: SEE C.O.C. FOR SAMPLE ANALYSIS ORP: 11:24 (90.0), 11:26 (91.4), 11:28 (92.5)

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2), optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME	SITE LOCATION	DATE
Southeast County Landfill	Lithia, Florida	8/7/19

WELL NO	SAMPLE ID
TH-83	TH-83

PURGING DATA

WELL DIAMETER (inches)	TUBING DIAMETER (inches)	WELL SCREEN INTERVAL DEPTH	STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER
2	1/2	5.47 ft to 15.47 Ft	7.34	BP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (15.47 feet − 7.34 feet) X 0.16 gallons/foot = 1.30 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)
14.47	14.47	11:42	12:08	1.56

TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND. (circle units) µmhos/cm or (µS/cm)	DISSOLVED OXYGEN (circle units) (mg/L) or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
12:04	1.32	1.32	0.06	7.34	6.38	28.3	1169	0.79	3.49	Clear	None
12:06	0.12	1.44	0.06	7.34	6.38	28.4	1181	0.78	3.35	Clear	None
12:08	0.12	1.56	0.06	7.34	6.39	28.5	1204	0.71	3.13	Clear	None

8/7/19

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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION	SAMPLER(S) SIGNATURE(S)	SAMPLING INITIATED AT	SAMPLING ENDED AT
T. Aguilar A. Wood		12:08	12:11

PUMP OR TUBING DEPTH IN WELL (feet)	TUBING MATERIAL CODE	FIELD FILTERED Y (N) Filtration Equipment Type	FILTER SIZE ____ µm
14.47	T		

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) 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	SAMPLE PUMP FLOW RATE (mL per minute)

REMARKS: SEE C.O.C. FOR SAMPLE ANALYSIS ORP: 12:04 (126.4), 12:06 (126.4), 12:08 (126.5)

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2), optionally ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Southeast County Landfill	SITE LOCATION: Lithia, Florida	
WELL NO: DUPLICATE	SAMPLE ID: DUPLICATE	DATE: 8/7/19

PURGING DATA

WELL DIAMETER (inches): N/A	TUBING DIAMETER (inches): N/A	WELL SCREEN INTERVAL DEPTH: N/A ft to N/A	STATIC DEPTH TO WATER (feet): N/A	PURGE PUMP TYPE OR BAILER: N/A

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (N/A feet − N/A feet) X 0.16 gallons/foot = N/A gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= N/A gallons + (N/A gallons/foot X N/A feet) + N/A gallons = N/A gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): N/A	FINAL PUMP OR TUBING DEPTH IN WELL (feet): N/A	PURGING INITIATED AT: N/A	PURGING ENDED AT: N/A	TOTAL VOLUME PURGED (gallons): N/A

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP (°C)	COND (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)

8/7/19 Duplicat

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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: T. Aguilar A. Wood	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: N/A	SAMPLING ENDED AT: N/A
PUMP OR TUBING DEPTH IN WELL (feet): N/A	TUBING MATERIAL CODE: T	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	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	SAMPLE PUMP FLOW RATE (mL per minute)

REMARKS: SEE C.O.C. FOR SAMPLE ANALYSIS

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

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