PASCO COUNTY FLORIDA
OPEN SPACES. VIBRANT PLACES.

Pasco County Utilities Services Branch
Environmental Laboratory
8864 Government Dr.
New Port Richey, Fl 34654

Phone: (727) 847-8902
Fax: (727) 847-8112

DHRS No: E44123

22 June 2016

Mr. John Morris
Waste Management Section
Florida Department of
Environmental Protection
13051 N. Telecom Pkwy.
Temple Terrace, FL 33637

RE: Pasco County Resource Recovery
WACs FAC ID: 45799
Semester I, 2016

Dear Mr. Morris

This submittal is for the Semester I, 2016 groundwater monitoring at the Pasco County Resource Recovery site which includes the West Pasco Class I and Class III landfills. Included in this submittal are the following:

1. Summary of exceedences.
2. Ground water contour maps
3. Chain of Custody Forms
4. Water levels, water elevation table.
5. Field sampling reports
6. Laboratory and Field EDDs
7. Laboratory error logs
8. Ground Water Monitoring Report Certification

If you have any questions please feel free to contact me.

Sincerely,

Candia E. Mulhern
Laboratory Manager

Enc.: 1

cc: Robert J. Sigmond, Utilities Fiscal and Business Services Director
John Power, Solid Waste Facility Director
Jason Gorrie, JMG

Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

DEP Form #: 62-701.900(31), F.A.C
Form Title: Water Quality Monitoring Certification
Effective Date: January 6, 2010
Incorporated in Rule 62-701.510(9), F.A.C.

WATER QUALITY MONITORING CERTIFICATION

PART I GENERAL INFORMATION

(1) Facility Name PASCO COUNTY RESOURCE RECOVERY

Address 14230 HAYS RD.

City SPRING HILL, FLORIDA Zip 34610 County PASCO

Telephone Number (727) 856-0119

(2) WACS Facility ID 45799

(3) DEP Permit Number PA87-23

(4) Authorized Representative's Name Candia E. Mulhern Title Laboratory Manager

Address 8864 Government Drive

City New Port Richey, FLorida Zip 34654 County Pasco

Telephone Number (727) 847-8902

Email address (if available) cmulhern@pascocountyfl.net

CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submission of false information including the possibility of fine and imprisonment.

22 June 2016 (Date)

Candia Mulhern (Owner or Authorized Representative's Signature)

Digitally signed by Candia Mulhern
DN: cn=Candia Mulhern, email=cmulhern@pascocountyfl.net, o=Pasco County Environmental Laboratory
Date: 2016.06.22 16:06:06 -04'00'

PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization PASCO COUNTY ENVIRONMENTAL LABORATORY

Analytical Lab NELAC / HRS Certification # E44123

Lab Name PASCO COUNTY UTILITIES ENVIRONMENTAL LABORATORY

Address 8864 GOVERNMENT DRIVE, NEW PORT RICHEY, FL 34654

Phone Number (727) 847-8902

Email address (if available) cchildress@pascocountyfl.net

PASCO COUNTY, FLORIDA

"Bringing Opportunities Home"

PASCO COUNTY RESOURCE RECOVERY
EXCEEDED ANALYTES
Semester I, 2016

WELL #	SAMPLE DATE	ANALYTE	RESULT	UNITS	RESAMPLE	RESULT	UNITS
2MW-15DA	27-Apr-16	Iron	374	ug/L	No	---	---
2MW-17S	27-Apr-16	pH	6.29	std units	No	---	---
2MW-19D	14-Apr-16	Iron	925	ug/L	No	---	---
2MW-24D	25-Apr-16	pH	6.14	std units	No	---	---
		Iron	3630	ug/L	No	---	---
2MW-27D	28-Apr-16	Iron	578	ug/L	No	---	---

"Pasco County—Florida's premier county for balanced economic growth, environmental sustainability, and first class service."

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2381

Sampling Date/Time: 04/28/2016 @ 0800

Well Name: 2MW-1

Report Period: 2016 Quarter II

Classification of Groundwater: Surficial

Well Purged: YES

Groundwater Elevation (NGVD): DRY

Well Type: BG

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7		DRY	mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7		"	ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B		"	ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11		"	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14		"	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12		"	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15		"	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16		"	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0		"	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C		"	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H		"	mg/L	0.04	mg/L
000620	Nitrate	"	No	SM 4500NO_3F		"	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No	DEP-SOP		"	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2386

Sampling Date/Time: 04/28/2016 @ 15:00

Well Name: 4MW-1

Report Period: 2016 Quarter II

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 33.59

Well Type: BG

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	05/04/16 12:25	53.9	mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7	05/04/16 12:25	2.9 I	ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B	05/05/16 11:10	0.02 U	ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	04/28/16 15:00	6.94	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	04/28/16 15:00	25.70	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	04/28/16 15:00	741	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	04/28/16 15:00	0.91	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	04/28/16 15:00	1.4	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	05/11/16 8:20	112	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	05/04/16 14:55	478	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/29/16 14:20	0.04 U	mg/L	0.04	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	05/03/16 10:30	1.21	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		04/28/16 15:00	33.59	Feet NGVD		Feet NGVD

SOUTHERN ANALYTICAL LABORATORIES, INC.
110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 FAX 813-855-2218

Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-1 2386**
Matrix	**Groundwater**
SAL Sample Number	**1605207-23**
Date/Time Collected	**04/28/16 15:00**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/29/16 11:30**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 14:00	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 14:00	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 14:00	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 14:00	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 14:00	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 14:00	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		05/12/16 14:00	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		05/12/16 14:00	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		05/12/16 14:00	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 14:00	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 14:00	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		05/12/16 14:00	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		05/12/16 14:00	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		05/12/16 14:00	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		05/12/16 14:00	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		05/12/16 14:00	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		05/12/16 14:00	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		05/12/16 14:00	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 14:00	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 14:00	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		05/12/16 14:00	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 14:00	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 14:00	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		05/12/16 14:00	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		05/12/16 14:00	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 14:00	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		05/12/16 14:00	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		05/12/16 14:00	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 14:00	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		05/12/16 14:00	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 14:00	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		05/12/16 14:00	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 14:00	1

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Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-1 2386**
Matrix	**Groundwater**
SAL Sample Number	**1605207-23**
Date/Time Collected	**04/28/16 15:00**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/29/16 11:30**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 14:00	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		05/12/16 14:00	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		05/12/16 14:00	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		05/12/16 14:00	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 14:00	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		05/12/16 14:00	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		05/12/16 14:00	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 14:00	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 14:00	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		05/12/16 14:00	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		05/12/16 14:00	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		05/12/16 14:00	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 14:00	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		05/12/16 14:00	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*105 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*100 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*		*109 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*		*100 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0051 U	EPA 8011	0.020	0.0051	05/06/16 11:20	05/06/16 19:59	1
1,2-Dibromoethane	ug/L	0.0051 U	EPA 8011	0.020	0.0051	05/06/16 11:20	05/06/16 19:59	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*99 %*	*Limits*	*82-126*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	05/05/16 08:17	05/05/16 09:37	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	05/04/16 09:17	05/05/16 12:23	1
Barium	ug/L	32 I	EPA 6010	100	5.0	05/04/16 09:25	05/04/16 15:53	1
Beryllium	ug/L	0.12 U	EPA 6010	1.0	0.12	05/04/16 09:25	05/04/16 15:53	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	05/04/16 09:17	05/05/16 12:23	1
Chromium	ug/L	0.35 U	EPA 6020	5.0	0.35	05/04/16 09:17	05/05/16 12:23	1
Cobalt	ug/L	10 U	EPA 6010	100	10	05/04/16 09:25	05/04/16 15:53	1
Copper	ug/L	0.50	EPA 6020	0.50	0.13	05/04/16 09:17	05/05/16 12:23	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	05/04/16 09:17	05/05/16 12:23	1
Nickel	ug/L	7.6	EPA 6020	5.0	0.46	05/04/16 09:17	05/05/16 12:23	1

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New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-1 2386**
Matrix	**Groundwater**
SAL Sample Number	**1605207-23**
Date/Time Collected	**04/28/16 15:00**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/29/16 11:30**

Parameters	Units	Results *		Method	PQL	MDL	Prepared	Analyzed	Dilution
Selenium	ug/L	2.7	I	EPA 6020	5.0	0.26	05/05/16 08:17	05/05/16 09:37	1
Silver	ug/L	1.1	U	EPA 6010	20	1.1	05/04/16 09:25	05/04/16 15:53	1
Thallium	ug/L	0.24	U	EPA 6020	0.50	0.24	05/04/16 09:17	05/05/16 12:23	1
Vanadium	ug/L	7.8	U	EPA 6010	10	7.8	05/04/16 09:25	05/04/16 15:53	1
Zinc	ug/L	0.88	U	EPA 6020	5.0	0.88	05/04/16 09:17	05/05/16 12:23	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2382

Sampling Date/Time: 04/14/2016 @ 13:50

Well Name: 2MW-2

Report Period: 2016 Quarter ii

Classification of Groundwater: Surficial

Well Purged: YES

Groundwater Elevation (NGVD): 34.70

Well Type: BG

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	04/22/16 11:50	3.64	mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7	04/22/16 15:51	124	ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B	04/19/16 11:15	0.04 i	ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	04/14/16 13:50	7.78	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	04/14/16 13:50	25.63	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	04/14/16 13:50	181	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	04/14/16 13:50	1.03	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	04/14/16 13:50	4.2	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	04/26/16 8:20	8.42	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	04/20/16 15:10	86	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/29/16 10:20	0.04 U	mg/L	0.04	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	05/03/16 10:30	5.09	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		04/14/16 13:50	34.7	Feet NGVD		Feet NGVD

Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-2 2382**
Matrix	**Groundwater**
SAL Sample Number	**1605207-08**
Date/Time Collected	**04/14/16 13:50**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/20/16 14:35**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 19:53	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 19:53	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 19:53	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 19:53	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 19:53	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 19:53	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/22/16 19:53	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/22/16 19:53	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/22/16 19:53	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 19:53	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 19:53	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/22/16 19:53	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/22/16 19:53	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/22/16 19:53	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/22/16 19:53	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/22/16 19:53	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/22/16 19:53	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/22/16 19:53	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 19:53	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 19:53	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/22/16 19:53	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 19:53	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 19:53	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/22/16 19:53	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/22/16 19:53	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 19:53	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/22/16 19:53	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/22/16 19:53	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 19:53	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/22/16 19:53	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 19:53	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/22/16 19:53	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 19:53	1

Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-2 2382**
Matrix	**Groundwater**
SAL Sample Number	**1605207-08**
Date/Time Collected	**04/14/16 13:50**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/20/16 14:35**

Parameters	Units	Results *		Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2	U	EPA 8260	0.8	0.2		04/22/16 19:53	1
Styrene	ug/L	0.05	U	EPA 8260	0.8	0.05		04/22/16 19:53	1
Tetrachloroethene	ug/L	0.1	U	EPA 8260	0.8	0.1		04/22/16 19:53	1
Toluene	ug/L	0.09	U	EPA 8260	0.8	0.09		04/22/16 19:53	1
trans-1,2-Dichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		04/22/16 19:53	1
trans-1,3-Dichloropropene	ug/L	0.1	U	EPA 8260	0.8	0.1		04/22/16 19:53	1
trans-1,4-Dichloro-2-butene	ug/L	0.3	U	EPA 8260	0.8	0.3		04/22/16 19:53	1
Trichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		04/22/16 19:53	1
Trichlorofluoromethane	ug/L	0.2	U	EPA 8260	0.8	0.2		04/22/16 19:53	1
Vinyl acetate	ug/L	0.4	U	EPA 8260	1.6	0.4		04/22/16 19:53	1
Vinyl chloride	ug/L	0.3	U	EPA 8260	1.6	0.3		04/22/16 19:53	1
Xylene-m,p	ug/L	0.2	U	EPA 8260	1.6	0.2		04/22/16 19:53	1
Xylene-o	ug/L	0.2	U	EPA 8260	0.8	0.2		04/22/16 19:53	1
Xylenes- Total	ug/L	0.1	U	EPA 8260	0.8	0.1		04/22/16 19:53	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*			*108 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*			*94 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*			*104 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*			*98 %*	*Limits*	*65-135*			
Pesticide Analyses									
1,2-Dibromo-3-chloropropane	ug/L	0.0051	U	EPA 8011	0.021	0.0051	04/21/16 18:25	04/22/16 02:08	1
1,2-Dibromoethane	ug/L	0.0051	U	EPA 8011	0.021	0.0051	04/21/16 18:25	04/22/16 02:08	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*			*110 %*	*Limits*	*82-126*			
Metals									
Antimony	ug/L	1.0	U	EPA 6020	50	1.0	04/26/16 11:39	04/26/16 16:36	1
Arsenic	ug/L	0.93	U	EPA 6020	5.0	0.93	04/22/16 08:21	04/22/16 16:57	1
Barium	ug/L	55	I	EPA 6010	100	5.0	04/21/16 10:41	04/21/16 16:37	1
Beryllium	ug/L	0.12	U	EPA 6010	1.0	0.12	04/21/16 10:41	04/21/16 16:37	1
Cadmium	ug/L	0.27	I	EPA 6020	0.50	0.27	04/22/16 08:21	04/22/16 16:57	1
Chromium	ug/L	0.35	U	EPA 6020	5.0	0.35	04/22/16 08:21	04/22/16 16:57	1
Cobalt	ug/L	10	U	EPA 6010	100	10	04/21/16 10:41	04/21/16 16:37	1
Copper	ug/L	4.1		EPA 6020	0.50	0.13	04/22/16 08:21	04/22/16 16:57	1
Lead	ug/L	0.25	U	EPA 6020	0.50	0.25	04/22/16 08:21	04/22/16 16:57	1
Nickel	ug/L	0.93	I	EPA 6020	5.0	0.46	04/22/16 08:21	04/22/16 16:57	1

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8864 Government Drive
New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-2 2382**
Matrix	**Groundwater**
SAL Sample Number	**1605207-08**
Date/Time Collected	**04/14/16 13:50**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/20/16 14:35**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Selenium	ug/L	0.35 I	EPA 6020	5.0	0.26	04/26/16 11:39	04/26/16 16:36	1
Silver	ug/L	2.8 I	EPA 6010	20	1.1	04/21/16 10:41	04/21/16 16:37	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	04/22/16 08:21	04/22/16 16:57	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	04/21/16 10:41	04/21/16 16:37	1
Zinc	ug/L	8.5	EPA 6020	5.0	0.88	04/22/16 08:21	04/22/16 16:57	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2387

Sampling Date/Time: 04/14/2016 @ 15:20

Well Name: 4MW-2

Report Period: 2016 Quarter II

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 34.13

Well Type: BG

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	04/22/16 11:50	2.84	mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7	04/22/16 15:51	3.5 I	ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B	04/19/16 11:15	0.02 U	ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	04/14/16 15:20	7.85	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	04/14/16 15:20	26.54	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	04/14/16 15:20	203	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	04/14/16 15:20	1.05	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	04/14/16 15:20	1.8	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	04/26/16 8:20	5.7	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	04/20/16 15:10	134	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/29/16 10:20	0.04 U	mg/L	0.04	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	05/03/16 10:30	1.11	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		04/14/16 15:20	34.13	Feet NGVD		Feet NGVD

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New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-2 2387**
Matrix	**Groundwater**
SAL Sample Number	**1605207-09**
Date/Time Collected	**04/14/16 15:20**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/20/16 14:35**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 20:25	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 20:25	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 20:25	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 20:25	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 20:25	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 20:25	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/22/16 20:25	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/22/16 20:25	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/22/16 20:25	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 20:25	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 20:25	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/22/16 20:25	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/22/16 20:25	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/22/16 20:25	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/22/16 20:25	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/22/16 20:25	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/22/16 20:25	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/22/16 20:25	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 20:25	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 20:25	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/22/16 20:25	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 20:25	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 20:25	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/22/16 20:25	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/22/16 20:25	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 20:25	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/22/16 20:25	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/22/16 20:25	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 20:25	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/22/16 20:25	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 20:25	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/22/16 20:25	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 20:25	1

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Pasco County Environmental Laboratory
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New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-2 2387**
Matrix	**Groundwater**
SAL Sample Number	**1605207-09**
Date/Time Collected	**04/14/16 15:20**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/20/16 14:35**

Parameters	Units	Results *		Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2	U	EPA 8260	0.8	0.2		04/22/16 20:25	1
Styrene	ug/L	0.05	U	EPA 8260	0.8	0.05		04/22/16 20:25	1
Tetrachloroethene	ug/L	0.1	U	EPA 8260	0.8	0.1		04/22/16 20:25	1
Toluene	ug/L	0.09	U	EPA 8260	0.8	0.09		04/22/16 20:25	1
trans-1,2-Dichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		04/22/16 20:25	1
trans-1,3-Dichloropropene	ug/L	0.1	U	EPA 8260	0.8	0.1		04/22/16 20:25	1
trans-1,4-Dichloro-2-butene	ug/L	0.3	U	EPA 8260	0.8	0.3		04/22/16 20:25	1
Trichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		04/22/16 20:25	1
Trichlorofluoromethane	ug/L	0.2	U	EPA 8260	0.8	0.2		04/22/16 20:25	1
Vinyl acetate	ug/L	0.4	U	EPA 8260	1.6	0.4		04/22/16 20:25	1
Vinyl chloride	ug/L	0.3	U	EPA 8260	1.6	0.3		04/22/16 20:25	1
Xylene-m,p	ug/L	0.2	U	EPA 8260	1.6	0.2		04/22/16 20:25	1
Xylene-o	ug/L	0.2	U	EPA 8260	0.8	0.2		04/22/16 20:25	1
Xylenes- Total	ug/L	0.1	U	EPA 8260	0.8	0.1		04/22/16 20:25	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*			*106 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*			*99 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*			*107 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*			*95 %*	*Limits*	*65-135*			
Pesticide Analyses									
1,2-Dibromo-3-chloropropane	ug/L	0.0052	U	EPA 8011	0.021	0.0052	04/21/16 18:25	04/22/16 02:30	1
1,2-Dibromoethane	ug/L	0.0052	U	EPA 8011	0.021	0.0052	04/21/16 18:25	04/22/16 02:30	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*			*111 %*	*Limits*	*82-126*			
Metals									
Antimony	ug/L	1.0	U	EPA 6020	50	1.0	04/26/16 11:39	04/26/16 16:39	1
Arsenic	ug/L	0.93	U	EPA 6020	5.0	0.93	04/22/16 08:21	04/22/16 17:01	1
Barium	ug/L	7.4	I	EPA 6010	100	5.0	04/21/16 10:41	04/21/16 16:41	1
Beryllium	ug/L	0.12	U	EPA 6010	1.0	0.12	04/21/16 10:41	04/21/16 16:41	1
Cadmium	ug/L	0.27	U	EPA 6020	0.50	0.27	04/22/16 08:21	04/22/16 17:01	1
Chromium	ug/L	0.35	U	EPA 6020	5.0	0.35	04/22/16 08:21	04/22/16 17:01	1
Cobalt	ug/L	10	U	EPA 6010	100	10	04/21/16 10:41	04/21/16 16:41	1
Copper	ug/L	0.13	U	EPA 6020	0.50	0.13	04/22/16 08:21	04/22/16 17:01	1
Lead	ug/L	0.25	U	EPA 6020	0.50	0.25	04/22/16 08:21	04/22/16 17:01	1
Nickel	ug/L	1.3	I	EPA 6020	5.0	0.46	04/22/16 08:21	04/22/16 17:01	1

Florida Certification Number: E84129
NELAP Accredited

Francis I. Daniels, Laboratory Director
Leslie C. Boardman, Q.A. Manager

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May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-2 2387**
Matrix	**Groundwater**
SAL Sample Number	**1605207-09**
Date/Time Collected	**04/14/16 15:20**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/20/16 14:35**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Selenium	ug/L	0.34 I	EPA 6020	5.0	0.26	04/26/16 11:39	04/26/16 16:39	1
Silver	ug/L	2.2 I	EPA 6010	20	1.1	04/21/16 10:41	04/21/16 16:41	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	04/22/16 08:21	04/22/16 17:01	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	04/21/16 10:41	04/21/16 16:41	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	04/22/16 08:21	04/22/16 17:01	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: West Pasco Class III Sanitary Landfill

Test Site ID #: 19671

Sampling Date/Time: 04/12/2016 @ 08:50

Well Name: 2MW-3A

Report Period: 2016 Quarter II

Classification of Groundwater: Surficial

Well Purged: YES

Groundwater Elevation (NGVD): DRY

Well Type: PZ

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000620	Nitrate	Well Wizard Ded. Mon. System	No	SM 4500NO_3F		DRY	mg/L	0.03	mg/L
000929	Sodium	"	No	EPA 200.7		"	mg/L	0.03	mg/L
082079	Turbidity	"	No	FDEP FT 16		"	NTU	0.00	NTU
00940	Chloride	"	No	EPA 300.0		"	mg/L	0.10	mg/L
001045	Iron	"	No	EPA 200.7		"	ug/L	1.4	ug/L
00400	pH-Field	"	No	FDEP FT 11		"	std. units	0.10	std. units
070300	TDS	"	No	SM 2540C		"	mg/L	0.1	mg/L
000344	Dissolved Oxy. (Field)	"	No	FDEP FT 15		"	mg/L	0.1	mg/L
000095	Specific Cond. (Field)	"	No	FDEP FT 12		"	umhos/cm	1	umhos/cm
000010	Temp. (Field)	"	No	FDEP FT 14		"	deg. C	0.00	deg. C
071900	Mercury	"	No	SM 3112B		"	ug/L	0.02	ug/L
000610	Ammonia	"	No	SM 4500NH_3H		"	mg/L	0.04	mg/L
900216	Color by Obs. (Field)	"	No	SM 2120B		"	Obs.	0	Obs.
072020	Water Level	"	No	DEP-SOP		"	Feet NGVD	0	Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID#: 45799

Site: West Pasco Class III Sanitary Landfill

Test Site ID #: 19670

Sampling Date/Time: 04/12/2016 @ 09:00

Well Name: 4MW-3A

Report Period: 2016 Quarter II

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 28.15

Well Type: PZ

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000620	Nitrate	Well Wizard Ded. Mon. System	No	SM 4500NO_3F			mg/L	0.03	mg/L
000929	Sodium	"	No	EPA 200.7			mg/L	0.03	mg/L
082079	Turbidity	"	No	FDEP FT 16			NTU	0.00	NTU
00940	Chloride	"	No	EPA 300.0			mg/L	0.10	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.4	ug/L
00400	pH-Field	"	No	FDEP FT 11			std. units	0.10	std. units
070300	TDS	"	No	SM 2540C			mg/L	0.1	mg/L
000344	Dissolved Oxy. (Field)	"	No	FDEP FT 15			mg/L	0.1	mg/L
000095	Specific Cond. (Field)	"	No	FDEP FT 12			umhos/cm	1	umhos/cm
000010	Temp. (Field)	"	No	FDEP FT 14			deg. C	0.00	deg. C
071900	Mercury	"	No	SM 3112B			ug/L	0.02	ug/L
000610	Ammonia	"	No	SM 4500NH_3H			mg/L	0.04	mg/L
900216	Color by Obs. (Field)	"	No	SM 2120B			Obs.	0	Obs.
072020	Water Level	"	No	DEP-SOP	04/12/16 9:00	28.15	Feet NGVD	0	Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2383

Sampling Date/Time: 4/12/2016 @ 11:00

Well Name: 2MW-4

Report Period: 2016 Quarter II

Classification of Groundwater: Surficial

Well Purged: YES

Groundwater Elevation (NGVD): DRY

Well Type: CO

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7		DRY	mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7		"	ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B		"	ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11		"	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14		"	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12		"	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15		"	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16		"	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0		"	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C		"	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H		"	mg/L	0.04	mg/L
000620	Nitrate	"	No	SM 4500NO_3F		"	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No			"	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2388

Sampling Date/Time: 04/12/2016 @ 10:44

Well Name: 4MW-4

Report Period: 2016 Quarter II

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 27.21

Well Type: CO

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	04/14/16 10:50	7.36	mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7	04/14/16 10:50	36.3	ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B	04/19/16 11:15	0.02 U	ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	04/12/16 10:44	7.29	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	04/12/16 10:44	24.18	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	04/12/16 10:44	284	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	04/12/16 10:44	1.03	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	04/12/16 10:44	0.0	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	04/12/16 15:30	16.6	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	04/15/16 10:15	248	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/29/16 10:20	0.04 U	mg/L	0.04	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	04/12/16 15:30	0.36	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		04/12/16 10:44	27.21	Feet NGVD		Feet NGVD

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110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 FAX 813-855-2218

ACCREDITED IN ACCORDANCE WITH nelac

Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name PASCO COUNTY RESOURCE RECOVERY

Sample Description	4MW-4 2388
Matrix	Groundwater
SAL Sample Number	1605207-01
Date/Time Collected	04/12/16 10:44
Collected by	Wilfred Martfeld
Date/Time Received	04/13/16 16:15

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 17:32	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 17:32	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 17:32	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 17:32	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 17:32	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 17:32	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/19/16 17:32	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 17:32	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 17:32	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 17:32	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 17:32	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/19/16 17:32	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/19/16 17:32	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/19/16 17:32	1
Acetone	ug/L	2.8 I	EPA 8260	4.0	2.0		04/19/16 17:32	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/19/16 17:32	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 17:32	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 17:32	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 17:32	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 17:32	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/19/16 17:32	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 17:32	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 17:32	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 17:32	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/19/16 17:32	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 17:32	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/19/16 17:32	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/19/16 17:32	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 17:32	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 17:32	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 17:32	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/19/16 17:32	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 17:32	1

Florida Certification Number: E84129
NELAP Accredited

Francis I. Daniels, Laboratory Director
Leslie C. Boardman, Q.A. Manager

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Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-4 2388**
Matrix	**Groundwater**
SAL Sample Number	**1605207-01**
Date/Time Collected	**04/12/16 10:44**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/13/16 16:15**

Parameters	Units	Results *		Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2	U	EPA 8260	0.8	0.2		04/19/16 17:32	1
Styrene	ug/L	0.05	U	EPA 8260	0.8	0.05		04/19/16 17:32	1
Tetrachloroethene	ug/L	0.1	U	EPA 8260	0.8	0.1		04/19/16 17:32	1
Toluene	ug/L	0.09	U	EPA 8260	0.8	0.09		04/19/16 17:32	1
trans-1,2-Dichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		04/19/16 17:32	1
trans-1,3-Dichloropropene	ug/L	0.1	U	EPA 8260	0.8	0.1		04/19/16 17:32	1
trans-1,4-Dichloro-2-butene	ug/L	0.3	U	EPA 8260	0.8	0.3		04/19/16 17:32	1
Trichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		04/19/16 17:32	1
Trichlorofluoromethane	ug/L	0.2	U	EPA 8260	0.8	0.2		04/19/16 17:32	1
Vinyl acetate	ug/L	0.4	U	EPA 8260	1.6	0.4		04/19/16 17:32	1
Vinyl chloride	ug/L	0.3	U	EPA 8260	1.6	0.3		04/19/16 17:32	1
Xylene-m,p	ug/L	0.2	U	EPA 8260	1.6	0.2		04/19/16 17:32	1
Xylene-o	ug/L	0.2	U	EPA 8260	0.8	0.2		04/19/16 17:32	1
Xylenes- Total	ug/L	0.1	U	EPA 8260	0.8	0.1		04/19/16 17:32	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*			*102 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*			*99 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*			*104 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*			*99 %*	*Limits*	*65-135*			
Pesticide Analyses									
1,2-Dibromo-3-chloropropane	ug/L	0.0052	U	EPA 8011	0.021	0.0052	04/18/16 16:43	04/19/16 01:50	1
1,2-Dibromoethane	ug/L	0.0052	U	EPA 8011	0.021	0.0052	04/18/16 16:43	04/19/16 01:50	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*			*87 %*	*Limits*	*82-126*			
Metals									
Antimony	ug/L	1.0	U	EPA 6020	50	1.0	04/26/16 11:39	04/26/16 16:06	1
Arsenic	ug/L	0.93	U	EPA 6020	5.0	0.93	04/22/16 08:21	04/22/16 16:05	1
Barium	ug/L	9.5	I	EPA 6010	100	5.0	04/15/16 08:05	04/19/16 15:11	1
Beryllium	ug/L	0.12	U	EPA 6010	1.0	0.12	04/15/16 08:05	04/19/16 15:11	1
Cadmium	ug/L	0.27	U	EPA 6020	0.50	0.27	04/22/16 08:21	04/22/16 16:05	1
Chromium	ug/L	1.0	I	EPA 6020	5.0	0.35	04/22/16 08:21	04/22/16 16:05	1
Cobalt	ug/L	10	U	EPA 6010	100	10	04/15/16 08:05	04/19/16 15:11	1
Copper	ug/L	0.38	I	EPA 6020	0.50	0.13	04/22/16 08:21	04/22/16 16:05	1
Lead	ug/L	0.25	U	EPA 6020	0.50	0.25	04/22/16 08:21	04/22/16 16:05	1
Nickel	ug/L	3.5	I	EPA 6020	5.0	0.46	04/22/16 08:21	04/22/16 16:05	1

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New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-4 2388**
Matrix	**Groundwater**
SAL Sample Number	**1605207-01**
Date/Time Collected	**04/12/16 10:44**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/13/16 16:15**

Parameters	Units	Results *		Method	PQL	MDL	Prepared	Analyzed	Dilution
Selenium	ug/L	0.80	I	EPA 6020	5.0	0.26	04/26/16 11:39	04/26/16 16:06	1
Silver	ug/L	1.1	U	EPA 6010	20	1.1	04/15/16 08:05	04/19/16 15:11	1
Thallium	ug/L	0.24	U	EPA 6020	0.50	0.24	04/22/16 08:21	04/22/16 16:05	1
Vanadium	ug/L	7.8	U	EPA 6010	10	7.8	04/15/16 08:05	04/19/16 15:11	1
Zinc	ug/L	1.0	I	EPA 6020	5.0	0.88	04/22/16 08:21	04/22/16 16:05	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2384

Sampling Date/Time: 04/25/2016 @ 09:00

Well Name: 2MW-5

Report Period: 2016 Quarter II

Classification of Groundwater: Surficial

Well Purged: YES

Groundwater Elevation (NGVD): DRY

Well Type: CO

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7		DRY	mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7		"	ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B		"	ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11		"	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14		"	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12		"	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15		"	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16		"	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0		"	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C		"	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H		"	mg/L	0.04	mg/L
000620	Nitrate	"	No	SM 4500NO_3F		"	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No			"	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2385

Sampling Date/Time: 4/12/2016 @ 11:15

Well Name: 2MW-6

Report Period: 2016 Quarter II

Classification of Groundwater: Surficial

Well Purged: YES

Groundwater Elevation (NGVD): DRY

Well Type: BG

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7		DRY	mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7		"	ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B		"	ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11		"	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14		"	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12		"	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15		"	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16		"	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0		"	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C		"	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H		"	mg/L	0.04	mg/L
000620	Nitrate	"	No	SM 4500NO_3F		"	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No			"	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2390

Sampling Date/Time: 04/12/2016 @ 14:15

Well Name: 4MW-6

Report Period: 2016 Quarter II

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 31.65

Well Type: BG

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	04/14/16 10:50	2.56	mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7	04/14/16 10:50	3.1	ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B	04/19/16 11:15	0.02 U	ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	04/12/16 14:15	7.53	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	04/12/16 14:15	25.15	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	04/12/16 14:15	182	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	04/12/16 14:15	1.14	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	04/12/16 14:15	0.8	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	04/12/16 15:30	4.51	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	04/15/16 10:15	84	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/29/16 10:20	0.17	mg/L	0.04	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	04/12/16 15:30	0.60	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		04/12/16 14:15	31.65	Feet NGVD		Feet NGVD

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Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-6 2390**
Matrix	**Groundwater**
SAL Sample Number	**1605207-02**
Date/Time Collected	**04/12/16 14:15**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/13/16 16:15**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 18:35	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 18:35	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 18:35	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 18:35	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 18:35	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 18:35	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/19/16 18:35	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 18:35	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 18:35	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 18:35	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 18:35	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/19/16 18:35	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/19/16 18:35	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/19/16 18:35	1
Acetone	ug/L	95 J5	EPA 8260	4.0	2.0		04/19/16 18:35	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/19/16 18:35	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 18:35	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 18:35	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 18:35	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 18:35	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/19/16 18:35	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 18:35	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 18:35	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 18:35	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/19/16 18:35	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 18:35	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/19/16 18:35	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/19/16 18:35	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 18:35	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 18:35	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 18:35	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/19/16 18:35	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 18:35	1

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Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-6 2390**
Matrix	**Groundwater**
SAL Sample Number	**1605207-02**
Date/Time Collected	**04/12/16 14:15**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/13/16 16:15**

Parameters	Units	Results *		Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2	U	EPA 8260	0.8	0.2		04/19/16 18:35	1
Styrene	ug/L	0.05	U	EPA 8260	0.8	0.05		04/19/16 18:35	1
Tetrachloroethene	ug/L	0.1	U	EPA 8260	0.8	0.1		04/19/16 18:35	1
Toluene	ug/L	0.09	U	EPA 8260	0.8	0.09		04/19/16 18:35	1
trans-1,2-Dichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		04/19/16 18:35	1
trans-1,3-Dichloropropene	ug/L	0.1	U	EPA 8260	0.8	0.1		04/19/16 18:35	1
trans-1,4-Dichloro-2-butene	ug/L	0.3	U	EPA 8260	0.8	0.3		04/19/16 18:35	1
Trichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		04/19/16 18:35	1
Trichlorofluoromethane	ug/L	0.2	U	EPA 8260	0.8	0.2		04/19/16 18:35	1
Vinyl acetate	ug/L	0.4	U	EPA 8260	1.6	0.4		04/19/16 18:35	1
Vinyl chloride	ug/L	0.3	U	EPA 8260	1.6	0.3		04/19/16 18:35	1
Xylene-m,p	ug/L	0.2	U	EPA 8260	1.6	0.2		04/19/16 18:35	1
Xylene-o	ug/L	0.2	U	EPA 8260	0.8	0.2		04/19/16 18:35	1
Xylenes- Total	ug/L	0.1	U	EPA 8260	0.8	0.1		04/19/16 18:35	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*			*102 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*			*96 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*			*104 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*			*98 %*	*Limits*	*65-135*			
Pesticide Analyses									
1,2-Dibromo-3-chloropropane	ug/L	0.0051	U	EPA 8011	0.020	0.0051	04/18/16 16:43	04/19/16 10:31	1
1,2-Dibromoethane	ug/L	0.0051	U	EPA 8011	0.020	0.0051	04/18/16 16:43	04/19/16 10:31	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*			*104 %*	*Limits*	*82-126*			
Metals									
Antimony	ug/L	1.0	U	EPA 6020	50	1.0	04/26/16 11:39	04/26/16 16:14	1
Arsenic	ug/L	0.93	U	EPA 6020	5.0	0.93	04/22/16 08:21	04/22/16 16:29	1
Barium	ug/L	6.3	I	EPA 6010	100	5.0	04/15/16 08:05	04/19/16 15:21	1
Beryllium	ug/L	0.12	U	EPA 6010	1.0	0.12	04/15/16 08:05	04/19/16 15:21	1
Cadmium	ug/L	0.27	U	EPA 6020	0.50	0.27	04/22/16 08:21	04/22/16 16:29	1
Chromium	ug/L	0.75	I	EPA 6020	5.0	0.35	04/22/16 08:21	04/22/16 16:29	1
Cobalt	ug/L	10	U	EPA 6010	100	10	04/15/16 08:05	04/19/16 15:21	1
Copper	ug/L	0.13	U	EPA 6020	0.50	0.13	04/22/16 08:21	04/22/16 16:29	1
Lead	ug/L	0.25	U	EPA 6020	0.50	0.25	04/22/16 08:21	04/22/16 16:29	1
Nickel	ug/L	0.83	I	EPA 6020	5.0	0.46	04/22/16 08:21	04/22/16 16:29	1

Florida Certification Number: E84129
NELAP Accredited

Francis I. Daniels, Laboratory Director
Leslie C. Boardman, Q.A. Manager

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New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-6 2390**
Matrix	**Groundwater**
SAL Sample Number	**1605207-02**
Date/Time Collected	**04/12/16 14:15**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/13/16 16:15**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Selenium	ug/L	0.99 I	EPA 6020	5.0	0.26	04/26/16 11:39	04/26/16 16:14	1
Silver	ug/L	1.6 I	EPA 6010	20	1.1	04/15/16 08:05	04/19/16 15:21	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	04/22/16 08:21	04/22/16 16:29	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	04/15/16 08:05	04/19/16 15:21	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	04/22/16 08:21	04/22/16 16:29	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2389

Sampling Date/Time: 04/25/2016 @ 10:50

Well Name: 4MW-5

Report Period: 2016 Quarter II

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 27.86

Well Type: CO

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	05/03/16 11:00	26.8	mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7	05/03/16 11:00	76.9	ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B	05/05/16 11:10	0.02 U	ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	04/25/16 10:50	7.46	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	04/25/16 10:50	24.11	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	04/25/16 10:50	354	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	04/25/16 10:50	1.03	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	04/25/16 10:50	0.0	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	05/04/16 8:50	126	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	04/28/16 11:40	372	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/29/16 10:20	0.14	mg/L	0.04	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	05/03/16 10:30	0.73	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		04/25/16 10:50	27.86	Feet NGVD		Feet NGVD

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May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name PASCO COUNTY RESOURCE RECOVERY

Sample Description	4MW-5 2389
Matrix	Groundwater
SAL Sample Number	1605207-15
Date/Time Collected	04/25/16 10:50
Collected by	Wilfred Martfeld
Date/Time Received	04/27/16 13:00

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:08	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:08	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:08	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:08	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:08	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:08	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/28/16 21:08	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 21:08	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 21:08	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:08	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:08	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/28/16 21:08	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/28/16 21:08	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/28/16 21:08	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/28/16 21:08	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/28/16 21:08	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 21:08	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 21:08	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:08	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:08	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/28/16 21:08	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:08	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:08	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 21:08	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/28/16 21:08	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:08	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/28/16 21:08	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/28/16 21:08	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:08	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 21:08	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:08	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/28/16 21:08	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:08	1

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New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-5 2389**
Matrix	**Groundwater**
SAL Sample Number	**1605207-15**
Date/Time Collected	**04/25/16 10:50**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/27/16 13:00**

Parameters	Units	Results *		Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 21:08	1
Styrene	ug/L	0.05	U	EPA 8260	0.8	0.05		04/28/16 21:08	1
Tetrachloroethene	ug/L	0.1	U	EPA 8260	0.8	0.1		04/28/16 21:08	1
Toluene	ug/L	0.09	U	EPA 8260	0.8	0.09		04/28/16 21:08	1
trans-1,2-Dichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 21:08	1
trans-1,3-Dichloropropene	ug/L	0.1	U	EPA 8260	0.8	0.1		04/28/16 21:08	1
trans-1,4-Dichloro-2-butene	ug/L	0.3	U	EPA 8260	0.8	0.3		04/28/16 21:08	1
Trichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 21:08	1
Trichlorofluoromethane	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 21:08	1
Vinyl acetate	ug/L	0.4	U	EPA 8260	1.6	0.4		04/28/16 21:08	1
Vinyl chloride	ug/L	0.3	U	EPA 8260	1.6	0.3		04/28/16 21:08	1
Xylene-m,p	ug/L	0.2	U	EPA 8260	1.6	0.2		04/28/16 21:08	1
Xylene-o	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 21:08	1
Xylenes- Total	ug/L	0.1	U	EPA 8260	0.8	0.1		04/28/16 21:08	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*			*107 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*			*95 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*			*108 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*			*94 %*	*Limits*	*65-135*			
Pesticide Analyses									
1,2-Dibromo-3-chloropropane	ug/L	0.0052	U	EPA 8011	0.021	0.0052	04/27/16 17:09	04/28/16 03:40	1
1,2-Dibromoethane	ug/L	0.0052	U	EPA 8011	0.021	0.0052	04/27/16 17:09	04/28/16 03:40	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*			*99 %*	*Limits*	*82-126*			
Metals									
Antimony	ug/L	1.0	U	EPA 6020	50	1.0	05/03/16 10:54	05/03/16 12:40	1
Arsenic	ug/L	1.3	I	EPA 6020	5.0	0.93	04/29/16 09:48	04/30/16 16:55	1
Barium	ug/L	12	I	EPA 6010	100	5.0	04/29/16 09:54	04/29/16 17:13	1
Beryllium	ug/L	0.12	U	EPA 6010	1.0	0.12	04/29/16 09:54	04/29/16 17:13	1
Cadmium	ug/L	0.27	U	EPA 6020	0.50	0.27	04/29/16 09:48	04/30/16 16:55	1
Chromium	ug/L	0.35	U	EPA 6020	5.0	0.35	04/29/16 09:48	04/30/16 16:55	1
Cobalt	ug/L	10	U	EPA 6010	100	10	04/29/16 09:54	04/29/16 17:13	1
Copper	ug/L	0.13	U	EPA 6020	0.50	0.13	04/29/16 09:48	04/30/16 16:55	1
Lead	ug/L	0.25	U	EPA 6020	0.50	0.25	04/29/16 09:48	04/30/16 16:55	1
Nickel	ug/L	4.2	I	EPA 6020	5.0	0.46	04/29/16 09:48	04/30/16 16:55	1

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May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-5 2389**
Matrix	**Groundwater**
SAL Sample Number	**1605207-15**
Date/Time Collected	**04/25/16 10:50**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/27/16 13:00**

Parameters	Units	Results *		Method	PQL	MDL	Prepared	Analyzed	Dilution
Selenium	ug/L	2.3	I	EPA 6020	5.0	0.26	05/03/16 10:54	05/03/16 12:40	1
Silver	ug/L	1.1	U	EPA 6010	20	1.1	04/29/16 09:54	04/29/16 17:13	1
Thallium	ug/L	0.24	U	EPA 6020	0.50	0.24	04/29/16 09:48	04/30/16 16:55	1
Vanadium	ug/L	7.8	U	EPA 6010	10	7.8	04/29/16 09:54	04/29/16 17:13	1
Zinc	ug/L	0.88	U	EPA 6020	5.0	0.88	04/29/16 09:48	04/30/16 16:55	1

Florida Certification Number: E84129
NELAP Accredited

Francis I. Daniels, Laboratory Director
Leslie C. Boardman, Q.A. Manager

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: West Pasco Class III Sanitary Landfill

Test Site ID #: 2343

Sampling Date/Time: 04/26/2016 @ 14:10

Well Name: 2MW-7

Report Period: 2016 Quarter II

Classification of Groundwater: Surficial

Well Purged: YES

Groundwater Elevation (NGVD): DRY

Well Type: BG

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000620	Nitrate	Well Wizard Ded. Mon. System	No	SM 4500NO_3F		DRY	mg/L	0.03	mg/L
000929	Sodium	"	No	EPA 200.7		"	mg/L	0.03	mg/L
082079	Turbidity	"	No	FDEP FT 16		"	NTU	0.00	NTU
00940	Chloride	"	No	EPA 300.0		"	mg/L	0.10	mg/L
001045	Iron	"	No	EPA 200.7		"	ug/L	1.4	ug/L
00400	pH-Field	"	No	FDEP FT 11		"	std. units	0.10	std. units
070300	TDS	"	No	SM 2540C		"	mg/L	0.1	mg/L
000344	Dissolved Oxy. (Field)	"	No	FDEP FT 15		"	mg/L	0.1	mg/L
000095	Specific Cond. (Field)	"	No	FDEP FT 12		"	umhos/cm	1	umhos/cm
000010	Temp. (Field)	"	No	FDEP FT 14		"	deg. C	0.00	deg. C
071900	Mercury	"	No	SM 3112B		"	ug/L	0.02	ug/L
000610	Ammonia	"	No	SM 4500NH_3H		"	mg/L	0.04	mg/L
900216	Color by Obs. (Field)	"	No	SM 2120B		"	Obs.	0	Obs.
072020	Water Level	"	No	DEP-SOP		"	Feet NGVD	0	Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: West Pasco Class III Sanitary Landfill

Test Site ID #: 2340

Sampling Date/Time: 04/26/2016 @ 15:10

Well Name: 4MW-7

Report Period: 2016 Quarter II

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 30.04

Well Type: BG

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000620	Nitrate	Well Wizard Ded. Mon. System	No	SM 4500NO_3F	05/03/16 10:30	0.07 I	mg/L	0.03	mg/L
000929	Sodium	"	No	EPA 200.7	05/03/16 11:00	5.43	mg/L	0.03	mg/L
082079	Turbidity	"	No	FDEP FT 16	04/26/16 15:10	2.7	NTU	0.00	NTU
00940	Chloride	"	No	EPA 300.0	04/26/16 16:20	21.1	mg/L	0.10	mg/L
001045	Iron	"	No	EPA 200.7	05/03/16 11:00	131	ug/L	1.4	ug/L
00400	pH-Field	"	No	FDEP FT 11	04/26/16 15:10	6.82	std. units	0.10	std. units
070300	TDS	"	No	SM 2540C	04/28/16 11:40	200	mg/L	0.1	mg/L
000344	Dissolved Oxy. (Field)	"	No	FDEP FT 15	04/26/16 15:10	1.05	mg/L	0.1	mg/L
000095	Specific Cond. (Field)	"	No	FDEP FT 12	04/26/16 15:10	299	umhos/cm	1	umhos/cm
000010	Temp. (Field)	"	No	FDEP FT 14	04/26/16 15:10	24.54	deg. C	0.00	deg. C
071900	Mercury	"	No	SM 3112B	05/05/16 11:10	0.02 U	ug/L	0.02	ug/L
000610	Ammonia	"	No	SM 4500NH_3H	04/29/16 10:20	0.05 I	mg/L	0.04	mg/L
900216	Color by Obs. (Field)	"	No	SM 2120B	04/26/16 15:10	CLEAR	Obs.	0	Obs.
072020	Water Level	"	No	DEP-SOP	04/26/16 15:10	30.04	Feet NGVD	0	Feet NGVD

Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name PASCO COUNTY RESOURCE RECOVERY

Sample Description	4MW-7 2340
Matrix	Groundwater
SAL Sample Number	1605207-14
Date/Time Collected	04/26/16 15:10
Collected by	Wilfred Martfeld
Date/Time Received	04/27/16 13:00

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 20:36	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 20:36	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 20:36	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 20:36	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 20:36	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 20:36	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/28/16 20:36	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 20:36	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 20:36	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 20:36	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 20:36	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/28/16 20:36	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/28/16 20:36	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/28/16 20:36	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/28/16 20:36	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/28/16 20:36	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 20:36	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 20:36	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 20:36	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 20:36	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/28/16 20:36	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 20:36	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 20:36	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 20:36	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/28/16 20:36	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 20:36	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/28/16 20:36	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/28/16 20:36	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 20:36	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 20:36	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 20:36	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/28/16 20:36	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 20:36	1

SOUTHERN ANALYTICAL LABORATORIES, INC.
110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 FAX 813-855-2218

Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-7 2340**
Matrix	**Groundwater**
SAL Sample Number	**1605207-14**
Date/Time Collected	**04/26/16 15:10**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/27/16 13:00**

Parameters	Units	Results *		Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 20:36	1
Styrene	ug/L	0.05	U	EPA 8260	0.8	0.05		04/28/16 20:36	1
Tetrachloroethene	ug/L	0.1	U	EPA 8260	0.8	0.1		04/28/16 20:36	1
Toluene	ug/L	0.09	U	EPA 8260	0.8	0.09		04/28/16 20:36	1
trans-1,2-Dichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 20:36	1
trans-1,3-Dichloropropene	ug/L	0.1	U	EPA 8260	0.8	0.1		04/28/16 20:36	1
trans-1,4-Dichloro-2-butene	ug/L	0.3	U	EPA 8260	0.8	0.3		04/28/16 20:36	1
Trichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 20:36	1
Trichlorofluoromethane	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 20:36	1
Vinyl acetate	ug/L	0.4	U	EPA 8260	1.6	0.4		04/28/16 20:36	1
Vinyl chloride	ug/L	0.3	U	EPA 8260	1.6	0.3		04/28/16 20:36	1
Xylene-m,p	ug/L	0.2	U	EPA 8260	1.6	0.2		04/28/16 20:36	1
Xylene-o	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 20:36	1
Xylenes- Total	ug/L	0.1	U	EPA 8260	0.8	0.1		04/28/16 20:36	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*			*107 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*			*96 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*			*108 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*			*92 %*	*Limits*	*65-135*			
Pesticide Analyses									
1,2-Dibromo-3-chloropropane	ug/L	0.0051	U	EPA 8011	0.020	0.0051	04/27/16 17:09	04/28/16 02:11	1
1,2-Dibromoethane	ug/L	0.0051	U	EPA 8011	0.020	0.0051	04/27/16 17:09	04/28/16 02:11	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*			*101 %*	*Limits*	*82-126*			
Metals									
Antimony	ug/L	1.0	U	EPA 6020	50	1.0	05/03/16 10:54	05/03/16 12:37	1
Arsenic	ug/L	0.93	U	EPA 6020	5.0	0.93	04/29/16 09:48	04/30/16 16:50	1
Barium	ug/L	11	I	EPA 6010	100	5.0	04/29/16 09:54	04/29/16 17:09	1
Beryllium	ug/L	0.12	U	EPA 6010	1.0	0.12	04/29/16 09:54	04/29/16 17:09	1
Cadmium	ug/L	0.27	U	EPA 6020	0.50	0.27	04/29/16 09:48	04/30/16 16:50	1
Chromium	ug/L	0.35	U	EPA 6020	5.0	0.35	04/29/16 09:48	04/30/16 16:50	1
Cobalt	ug/L	10	U	EPA 6010	100	10	04/29/16 09:54	04/29/16 17:09	1
Copper	ug/L	0.13	U	EPA 6020	0.50	0.13	04/29/16 09:48	04/30/16 16:50	1
Lead	ug/L	0.25	U	EPA 6020	0.50	0.25	04/29/16 09:48	04/30/16 16:50	1
Nickel	ug/L	2.7	I	EPA 6020	5.0	0.46	04/29/16 09:48	04/30/16 16:50	1

Florida Certification Number: E84129
NELAP Accredited

Francis I. Daniels, Laboratory Director
Leslie C. Boardman, Q.A. Manager

SOUTHERN ANALYTICAL LABORATORIES, INC.
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Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-7 2340**
Matrix	**Groundwater**
SAL Sample Number	**1605207-14**
Date/Time Collected	**04/26/16 15:10**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/27/16 13:00**

Parameters	Units	Results *		Method	PQL	MDL	Prepared	Analyzed	Dilution
Selenium	ug/L	0.77	I	EPA 6020	5.0	0.26	05/03/16 10:54	05/03/16 12:37	1
Silver	ug/L	1.1	U	EPA 6010	20	1.1	04/29/16 09:54	04/29/16 17:09	1
Thallium	ug/L	0.24	U	EPA 6020	0.50	0.24	04/29/16 09:48	04/30/16 16:50	1
Vanadium	ug/L	7.8	U	EPA 6010	10	7.8	04/29/16 09:54	04/29/16 17:09	1
Zinc	ug/L	0.88	U	EPA 6020	5.0	0.88	04/29/16 09:48	04/30/16 16:50	1

Florida Certification Number: E84129
NELAP Accredited

Francis I. Daniels, Laboratory Director
Leslie C. Boardman, Q.A. Manager

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: West Pasco Class III Sanitary Landfill

Test Site ID #: 2344

Sampling Date/Time: 4/26/2016 @ 12:45

Well Name: 2MW-8

Report Period: 2016 Quarter II

Classification of Groundwater: Surficial

Well Purged: YES

Groundwater Elevation (NGVD): DRY

Well Type: PZ

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000620	Nitrate	Well Wizard Ded. Mon. System	No	SM 4500NO_3F		DRY	mg/L	0.03	mg/L
000929	Sodium	"	No	EPA 200.7		"	mg/L	0.03	mg/L
082079	Turbidity	"	No	FDEP FT 16		"	NTU	0.00	NTU
00940	Chloride	"	No	EPA 300.0		"	mg/L	0.10	mg/L
001045	Iron	"	No	EPA 200.7		"	ug/L	1.4	ug/L
00400	pH-Field	"	No	FDEP FT 11		"	std. units	0.10	std. units
070300	TDS	"	No	SM 2540C		"	mg/L	0.1	mg/L
000344	Dissolved Oxy. (Field)	"	No	FDEP FT 15		"	mg/L	0.1	mg/L
000095	Specific Cond. (Field)	"	No	FDEP FT 12		"	umhos/cm	1	umhos/cm
000010	Temp. (Field)	"	No	FDEP FT 14		"	deg. C	0.00	deg. C
071900	Mercury	"	No	SM 3112B		"	ug/L	0.02	ug/L
000610	Ammonia	"	No	SM 4500NH_3H		"	mg/L	0.04	mg/L
900216	Color by Obs. (Field)	"	No	SM 2120B		"	Obs.	0	Obs.
072020	Water Level	"	No	DEP-SOP		"	Feet NGVD	0	Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: West Pasco Class III Sanitary Landfill

Test Site ID #: 2341

Sampling Date/Time: 04/26/2016 @ 14:05

Well Name: 4MW-8

Report Period: 2016 Quarter II

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 30.02

Well Type: PZ

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000620	Nitrate	Well Wizard Ded. Mon. System	No	SM 4500NO_3F	05/03/16 10:30	0.03 I	mg/L	0.03	mg/L
000929	Sodium	"	No	EPA 200.7	05/03/16 11:00	4.85	mg/L	0.03	mg/L
082079	Turbidity	"	No	FDEP FT 16	04/26/16 14:05	0.0	NTU	0.00	NTU
00940	Chloride	"	No	EPA 300.0	04/26/16 16:20	12.0	mg/L	0.10	mg/L
001045	Iron	"	No	EPA 200.7	05/03/16 11:00	43.7	ug/L	1.4	ug/L
00400	pH-Field	"	No	FDEP FT 11	04/26/16 14:05	6.97	std. units	0.10	std. units
070300	TDS	"	No	SM 2540C	04/28/16 11:40	212	mg/L	0.1	mg/L
000344	Dissolved Oxy. (Field)	"	No	FDEP FT 15	04/26/16 14:05	1.04	mg/L	0.1	mg/L
000095	Specific Cond. (Field)	"	No	FDEP FT 12	04/26/16 14:05	250	umhos/cm	1	umhos/cm
000010	Temp. (Field)	"	No	FDEP FT 14	04/26/16 14:05	23.9	deg. C	0.00	deg. C
071900	Mercury	"	No	SM 3112B	05/05/16 11:10	0.02 U	ug/L	0.02	ug/L
000610	Ammonia	"	No	SM 4500NH_3H	04/29/16 10:20	0.05 I	mg/L	0.04	mg/L
900216	Color by Obs. (Field)	"	No	SM 2120B	04/26/16 14:05	CLEAR	Obs.	0	Obs.
072020	Water Level	"	No	DEP-SOP	04/26/16 14:05	30.02	Feet NGVD	0	Feet NGVD

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New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-8 2341**
Matrix	**Groundwater**
SAL Sample Number	**1605207-13**
Date/Time Collected	**04/26/16 14:05**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/27/16 13:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 19:33	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 19:33	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 19:33	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 19:33	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 19:33	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 19:33	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/28/16 19:33	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 19:33	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 19:33	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 19:33	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 19:33	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/28/16 19:33	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/28/16 19:33	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/28/16 19:33	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/28/16 19:33	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/28/16 19:33	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 19:33	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 19:33	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 19:33	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 19:33	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/28/16 19:33	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 19:33	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 19:33	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 19:33	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/28/16 19:33	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 19:33	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/28/16 19:33	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/28/16 19:33	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 19:33	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 19:33	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 19:33	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/28/16 19:33	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 19:33	1

Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-8 2341**
Matrix	**Groundwater**
SAL Sample Number	**1605207-13**
Date/Time Collected	**04/26/16 14:05**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/27/16 13:00**

Parameters	Units	Results *		Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 19:33	1
Styrene	ug/L	0.05	U	EPA 8260	0.8	0.05		04/28/16 19:33	1
Tetrachloroethene	ug/L	0.1	U	EPA 8260	0.8	0.1		04/28/16 19:33	1
Toluene	ug/L	0.09	U	EPA 8260	0.8	0.09		04/28/16 19:33	1
trans-1,2-Dichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 19:33	1
trans-1,3-Dichloropropene	ug/L	0.1	U	EPA 8260	0.8	0.1		04/28/16 19:33	1
trans-1,4-Dichloro-2-butene	ug/L	0.3	U	EPA 8260	0.8	0.3		04/28/16 19:33	1
Trichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 19:33	1
Trichlorofluoromethane	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 19:33	1
Vinyl acetate	ug/L	0.4	U	EPA 8260	1.6	0.4		04/28/16 19:33	1
Vinyl chloride	ug/L	0.3	U	EPA 8260	1.6	0.3		04/28/16 19:33	1
Xylene-m,p	ug/L	0.2	U	EPA 8260	1.6	0.2		04/28/16 19:33	1
Xylene-o	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 19:33	1
Xylenes- Total	ug/L	0.1	U	EPA 8260	0.8	0.1		04/28/16 19:33	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*			*110 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*			*99 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*			*109 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*			*94 %*	*Limits*	*65-135*			
Pesticide Analyses									
1,2-Dibromo-3-chloropropane	ug/L	0.0051	U	EPA 8011	0.020	0.0051	04/27/16 17:09	04/28/16 01:49	1
1,2-Dibromoethane	ug/L	0.0051	U	EPA 8011	0.020	0.0051	04/27/16 17:09	04/28/16 01:49	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*			*102 %*	*Limits*	*82-126*			
Metals									
Antimony	ug/L	1.0	U	EPA 6020	50	1.0	05/03/16 10:54	05/03/16 12:34	1
Arsenic	ug/L	0.93	U	EPA 6020	5.0	0.93	04/29/16 09:48	04/30/16 16:46	1
Barium	ug/L	9.0	I	EPA 6010	100	5.0	04/29/16 09:54	04/29/16 17:05	1
Beryllium	ug/L	0.12	U	EPA 6010	1.0	0.12	04/29/16 09:54	04/29/16 17:05	1
Cadmium	ug/L	0.27	U	EPA 6020	0.50	0.27	04/29/16 09:48	04/30/16 16:46	1
Chromium	ug/L	0.35	U	EPA 6020	5.0	0.35	04/29/16 09:48	04/30/16 16:46	1
Cobalt	ug/L	10	U	EPA 6010	100	10	04/29/16 09:54	04/29/16 17:05	1
Copper	ug/L	0.13	U	EPA 6020	0.50	0.13	04/29/16 09:48	04/30/16 16:46	1
Lead	ug/L	0.25	U	EPA 6020	0.50	0.25	04/29/16 09:48	04/30/16 16:46	1
Nickel	ug/L	2.6	I	EPA 6020	5.0	0.46	04/29/16 09:48	04/30/16 16:46	1

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Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-8 2341**
Matrix	**Groundwater**
SAL Sample Number	**1605207-13**
Date/Time Collected	**04/26/16 14:05**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/27/16 13:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Selenium	ug/L	0.94 I	EPA 6020	5.0	0.26	05/03/16 10:54	05/03/16 12:34	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	04/29/16 09:54	04/29/16 17:05	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	04/29/16 09:48	04/30/16 16:46	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	04/29/16 09:54	04/29/16 17:05	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	04/29/16 09:48	04/30/16 16:46	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: West Pasco Class III Sanitary Landfill

Test Site ID #: 2345

Sampling Date/Time: 04/26/2016 @ 11:20

Well Name: 2MW-9

Report Period: 2016 Quarter II

Classification of Groundwater: Surficial

Well Purged: YES

Groundwater Elevation (NGVD): DRY

Well Type: PZ

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000620	Nitrate	Well Wizard Ded. Mon. System	No	SM 4500NO_3F		DRY	mg/L	0.03	mg/L
000929	Sodium	"	No	EPA 200.7		"	mg/L	0.03	mg/L
082079	Turbidity	"	No	FDEP FT 16		"	NTU	0.00	NTU
00940	Chloride	"	No	EPA 300.0		"	mg/L	0.10	mg/L
001045	Iron	"	No	EPA 200.7		"	ug/L	1.4	ug/L
00400	pH-Field	"	No	FDEP FT 11		"	std. units	0.10	std. units
070300	TDS	"	No	SM 2540C		"	mg/L	0.1	mg/L
000344	Dissolved Oxy. (Field)	"	No	FDEP FT 15		"	mg/L	0.1	mg/L
000095	Specific Cond. (Field)	"	No	FDEP FT 12		"	umhos/cm	1	umhos/cm
000010	Temp. (Field)	"	No	FDEP FT 14		"	deg. C	0.00	deg. C
071900	Mercury	"	No	SM 3112B		"	ug/L	0.02	ug/L
000610	Ammonia	"	No	SM 4500NH_3H		"	mg/L	0.04	mg/L
900216	Color by Obs. (Field)	"	No	SM 2120B		"	Obs.	0	Obs.
072020	Water Level	"	No	DEP-SOP		"	Feet NGVD	0	Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: West Pasco Class III Sanitary Landfill

Test Site ID #: 2342

Sampling Date/Time: 04/26/2016 @ 12:35

Well Name: 4MW-9

Report Period: 2016 Quarter II

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 28.74

Well Type: PZ

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000620	Nitrate	Well Wizard Ded. Mon. System	No	SM 4500NO_3F	05/03/16 10:30	0.31	mg/L	0.03	mg/L
000929	Sodium	"	No	EPA 200.7	05/03/16 11:00	9.83	mg/L	0.03	mg/L
082079	Turbidity	"	No	FDEP FT 16	04/26/16 12:35	4.5	NTU	0.00	NTU
00940	Chloride	"	No	EPA 300.0	04/26/16 16:20	28.3	mg/L	0.10	mg/L
001045	Iron	"	No	EPA 200.7	05/03/16 11:00	154	ug/L	1.4	ug/L
00400	pH-Field	"	No	FDEP FT 11	04/26/16 12:35	6.84	std. units	0.10	std. units
070300	TDS	"	No	SM 2540C	04/28/16 11:40	248	mg/L	0.1	mg/L
000344	Dissolved Oxy. (Field)	"	No	FDEP FT 15	04/26/16 12:35	1.08	mg/L	0.1	mg/L
000095	Specific Cond. (Field)	"	No	FDEP FT 12	04/26/16 12:35	347	umhos/cm	1	umhos/cm
000010	Temp. (Field)	"	No	FDEP FT 14	04/26/16 12:35	24.87	deg. C	0.00	deg. C
071900	Mercury	"	No	SM 3112B	05/05/16 11:10	0.02 U	ug/L	0.02	ug/L
000610	Ammonia	"	No	SM 4500NH_3H	04/29/16 10:20	0.04 I	mg/L	0.04	mg/L
900216	Color by Obs. (Field)	"	No	SM 2120B	04/26/16 12:35	CLEAR	Obs.	0	Obs.
072020	Water Level	"	No	DEP-SOP	04/26/16 12:35	28.74	Feet NGVD	0	Feet NGVD

Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name PASCO COUNTY RESOURCE RECOVERY

Sample Description	4MW-9 2342
Matrix	Groundwater
SAL Sample Number	1605207-12
Date/Time Collected	04/26/16 12:35
Collected by	Wilfred Martfeld
Date/Time Received	04/27/16 13:00

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 19:02	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 19:02	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 19:02	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 19:02	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 19:02	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 19:02	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/28/16 19:02	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 19:02	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 19:02	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 19:02	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 19:02	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/28/16 19:02	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/28/16 19:02	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/28/16 19:02	1
Acetone	ug/L	30	EPA 8260	4.0	2.0		04/28/16 19:02	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/28/16 19:02	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 19:02	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 19:02	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 19:02	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 19:02	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/28/16 19:02	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 19:02	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 19:02	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 19:02	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/28/16 19:02	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 19:02	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/28/16 19:02	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/28/16 19:02	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 19:02	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 19:02	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 19:02	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/28/16 19:02	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 19:02	1

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New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-9 2342**
Matrix	**Groundwater**
SAL Sample Number	**1605207-12**
Date/Time Collected	**04/26/16 12:35**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/27/16 13:00**

Parameters	Units	Results *		Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 19:02	1
Styrene	ug/L	0.05	U	EPA 8260	0.8	0.05		04/28/16 19:02	1
Tetrachloroethene	ug/L	0.1	U	EPA 8260	0.8	0.1		04/28/16 19:02	1
Toluene	ug/L	0.09	U	EPA 8260	0.8	0.09		04/28/16 19:02	1
trans-1,2-Dichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 19:02	1
trans-1,3-Dichloropropene	ug/L	0.1	U	EPA 8260	0.8	0.1		04/28/16 19:02	1
trans-1,4-Dichloro-2-butene	ug/L	0.3	U	EPA 8260	0.8	0.3		04/28/16 19:02	1
Trichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 19:02	1
Trichlorofluoromethane	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 19:02	1
Vinyl acetate	ug/L	0.4	U	EPA 8260	1.6	0.4		04/28/16 19:02	1
Vinyl chloride	ug/L	0.3	U	EPA 8260	1.6	0.3		04/28/16 19:02	1
Xylene-m,p	ug/L	0.2	U	EPA 8260	1.6	0.2		04/28/16 19:02	1
Xylene-o	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 19:02	1
Xylenes- Total	ug/L	0.1	U	EPA 8260	0.8	0.1		04/28/16 19:02	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*			*106 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*			*96 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*			*109 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*			*93 %*	*Limits*	*65-135*			
Pesticide Analyses									
1,2-Dibromo-3-chloropropane	ug/L	0.0051	U	EPA 8011	0.020	0.0051	04/27/16 17:09	04/28/16 01:27	1
1,2-Dibromoethane	ug/L	0.0051	U	EPA 8011	0.020	0.0051	04/27/16 17:09	04/28/16 01:27	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*			*97 %*	*Limits*	*82-126*			
Metals									
Antimony	ug/L	1.0	U	EPA 6020	50	1.0	05/03/16 10:54	05/03/16 12:31	1
Arsenic	ug/L	0.93	U	EPA 6020	5.0	0.93	04/29/16 09:48	04/30/16 16:41	1
Barium	ug/L	9.5	I	EPA 6010	100	5.0	04/29/16 09:54	04/29/16 17:02	1
Beryllium	ug/L	0.12	U	EPA 6010	1.0	0.12	04/29/16 09:54	04/29/16 17:02	1
Cadmium	ug/L	0.27	U	EPA 6020	0.50	0.27	04/29/16 09:48	04/30/16 16:41	1
Chromium	ug/L	0.35	U	EPA 6020	5.0	0.35	04/29/16 09:48	04/30/16 16:41	1
Cobalt	ug/L	10	U	EPA 6010	100	10	04/29/16 09:54	04/29/16 17:02	1
Copper	ug/L	0.13	U	EPA 6020	0.50	0.13	04/29/16 09:48	04/30/16 16:41	1
Lead	ug/L	0.25	U	EPA 6020	0.50	0.25	04/29/16 09:48	04/30/16 16:41	1
Nickel	ug/L	2.8	I	EPA 6020	5.0	0.46	04/29/16 09:48	04/30/16 16:41	1

Florida Certification Number: E84129
NELAP Accredited

Francis I. Daniels, Laboratory Director
Leslie C. Boardman, Q.A. Manager

SOUTHERN ANALYTICAL LABORATORIES, INC.
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Pasco County Environmental Laboratory
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May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-9 2342**
Matrix	**Groundwater**
SAL Sample Number	**1605207-12**
Date/Time Collected	**04/26/16 12:35**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/27/16 13:00**

Parameters	Units	Results *		Method	PQL	MDL	Prepared	Analyzed	Dilution
Selenium	ug/L	1.1	I	EPA 6020	5.0	0.26	05/03/16 10:54	05/03/16 12:31	1
Silver	ug/L	1.1	U	EPA 6010	20	1.1	04/29/16 09:54	04/29/16 17:02	1
Thallium	ug/L	0.24	U	EPA 6020	0.50	0.24	04/29/16 09:48	04/30/16 16:41	1
Vanadium	ug/L	7.8	U	EPA 6010	10	7.8	04/29/16 09:54	04/29/16 17:02	1
Zinc	ug/L	0.88	U	EPA 6020	5.0	0.88	04/29/16 09:48	04/30/16 16:41	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: West Pasco Class III Sanitary Landfill

Test Site ID #: 2346

Sampling Date/Time: 04/26/2016 @ 12:40

Well Name: 2MW-10

Report Period: 201 Quarter

Classification of Groundwater: Surficial

Well Purged: YES

Groundwater Elevation (NGVD): DRY

Well Type: PZ

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000620	Nitrate	Well Wizard Ded. Mon. System	No	SM 4500NO_3F		DRY	mg/L	0.03	mg/L
000929	Sodium	"	No	EPA 200.7		"	mg/L	0.03	mg/L
082079	Turbidity	"	No	FDEP FT 16		"	NTU	0.00	NTU
00940	Chloride	"	No	EPA 300.0		"	mg/L	0.10	mg/L
001045	Iron	"	No	EPA 200.7		"	ug/L	1.4	ug/L
00400	pH-Field	"	No	FDEP FT 11		"	std. units	0.10	std. units
070300	TDS	"	No	SM 2540C		"	mg/L	0.1	mg/L
000344	Dissolved Oxy. (Field)	"	No	FDEP FT 15		"	mg/L	0.1	mg/L
000095	Specific Cond. (Field)	"	No	FDEP FT 12		"	umhos/cm	1	umhos/cm
000010	Temp. (Field)	"	No	FDEP FT 14		"	deg. C	0.00	deg. C
071900	Mercury	"	No	SM 3112B		"	ug/L	0.02	ug/L
000610	Ammonia	"	No	SM 4500NH_3H		"	mg/L	0.04	mg/L
900216	Color by Obs. (Field)	"	No	SM 2120B		"	Obs.	0	Obs.
072020	Water Level	"	No	DEP-SOP		"	Feet NGVD	0	Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2510

Sampling Date/Time: 04/13/2016 @ 9:50

Well Name: 4MW-11D

Report Period: 2016 Quarter II

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 30.83

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	04/14/16 10:50	7.96	mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7	04/14/16 10:50	70.5	ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B	04/19/16 11:15	0.02 U	ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	04/13/16 9:50	7.38	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	04/13/16 9:50	23.03	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	04/13/16 9:50	186	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	04/13/16 9:50	1.08	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	04/13/16 9:50	0.0	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	04/13/16 15:50	26.4	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	04/15/16 10:15	214	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/29/16 10:20	0.04 U	mg/L	0.04	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	04/13/16 15:50	0.59	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		04/13/16 9:50	30.83	Feet NGVD		Feet NGVD

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New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-11D 2510**
Matrix	**Groundwater**
SAL Sample Number	**1605207-03**
Date/Time Collected	**04/13/16 09:50**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/13/16 16:15**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:06	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:06	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:06	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:06	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:06	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:06	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/19/16 19:06	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 19:06	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 19:06	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:06	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:06	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/19/16 19:06	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/19/16 19:06	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/19/16 19:06	1
Acetone	ug/L	19	EPA 8260	4.0	2.0		04/19/16 19:06	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/19/16 19:06	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 19:06	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 19:06	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:06	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:06	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/19/16 19:06	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:06	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:06	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 19:06	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/19/16 19:06	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:06	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/19/16 19:06	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/19/16 19:06	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:06	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 19:06	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:06	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/19/16 19:06	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:06	1

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Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-11D 2510**
Matrix	**Groundwater**
SAL Sample Number	**1605207-03**
Date/Time Collected	**04/13/16 09:50**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/13/16 16:15**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:06	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		04/19/16 19:06	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 19:06	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/19/16 19:06	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:06	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 19:06	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		04/19/16 19:06	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:06	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:06	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		04/19/16 19:06	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		04/19/16 19:06	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		04/19/16 19:06	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:06	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 19:06	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*105 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*97 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*		*107 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*		*96 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0051 U	EPA 8011	0.021	0.0051	04/18/16 16:43	04/19/16 10:52	1
1,2-Dibromoethane	ug/L	0.0051 U	EPA 8011	0.021	0.0051	04/18/16 16:43	04/19/16 10:52	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*105 %*	*Limits*	*82-126*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	04/26/16 11:39	04/26/16 16:22	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	04/22/16 08:21	04/22/16 16:34	1
Barium	ug/L	7.7 I	EPA 6010	100	5.0	04/15/16 08:05	04/19/16 15:24	1
Beryllium	ug/L	0.12 U	EPA 6010	1.0	0.12	04/15/16 08:05	04/19/16 15:24	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	04/22/16 08:21	04/22/16 16:34	1
Chromium	ug/L	0.35 U	EPA 6020	5.0	0.35	04/22/16 08:21	04/22/16 16:34	1
Cobalt	ug/L	10 U	EPA 6010	100	10	04/15/16 08:05	04/19/16 15:24	1
Copper	ug/L	0.17 I	EPA 6020	0.50	0.13	04/22/16 08:21	04/22/16 16:34	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	04/22/16 08:21	04/22/16 16:34	1
Nickel	ug/L	2.4 I	EPA 6020	5.0	0.46	04/22/16 08:21	04/22/16 16:34	1

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New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-11D 2510**
Matrix	**Groundwater**
SAL Sample Number	**1605207-03**
Date/Time Collected	**04/13/16 09:50**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/13/16 16:15**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Selenium	ug/L	1.7 I	EPA 6020	5.0	0.26	04/26/16 11:39	04/26/16 16:22	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	04/15/16 08:05	04/19/16 15:24	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	04/22/16 08:21	04/22/16 16:34	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	04/15/16 08:05	04/19/16 15:24	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	04/22/16 08:21	04/22/16 16:34	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2511

Sampling Date/Time: 4/13/2016 @ 10:40

Well Name: 4MW-12D

Report Period: 2016 Quarter II

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 29.98

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	04/14/16 10:50	7.77	mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7	04/14/16 10:50	5.1 I	ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B	04/19/16 11:15	0.02 U	ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	04/13/16 10:40	7.40	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	04/13/16 10:40	25.29	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	04/13/16 10:40	299	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	04/13/16 10:40	0.98	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	04/13/16 10:40	0.0	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	04/13/16 15:50	34.1	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	04/15/16 10:15	250	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/29/16 10:20	0.04 U	mg/L	0.04	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	04/13/16 15:50	0.78	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		04/13/16 10:40	29.98	Feet NGVD		Feet NGVD

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May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-12D 2511**
Matrix	**Groundwater**
SAL Sample Number	**1605207-04**
Date/Time Collected	**04/13/16 10:40**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/13/16 16:15**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:38	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:38	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:38	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:38	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:38	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:38	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/19/16 19:38	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 19:38	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 19:38	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:38	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:38	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/19/16 19:38	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/19/16 19:38	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/19/16 19:38	1
Acetone	ug/L	64	EPA 8260	4.0	2.0		04/19/16 19:38	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/19/16 19:38	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 19:38	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 19:38	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:38	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:38	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/19/16 19:38	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:38	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:38	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 19:38	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/19/16 19:38	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:38	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/19/16 19:38	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/19/16 19:38	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:38	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 19:38	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:38	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/19/16 19:38	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:38	1

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New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-12D 2511**
Matrix	**Groundwater**
SAL Sample Number	**1605207-04**
Date/Time Collected	**04/13/16 10:40**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/13/16 16:15**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:38	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		04/19/16 19:38	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 19:38	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/19/16 19:38	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:38	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 19:38	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		04/19/16 19:38	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:38	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:38	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		04/19/16 19:38	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		04/19/16 19:38	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		04/19/16 19:38	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 19:38	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 19:38	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*104 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*98 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*		*105 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*		*98 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0051 U	EPA 8011	0.020	0.0051	04/18/16 16:43	04/19/16 11:14	1
1,2-Dibromoethane	ug/L	0.0051 U	EPA 8011	0.020	0.0051	04/18/16 16:43	04/19/16 11:14	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*105 %*	*Limits*	*82-126*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	04/26/16 11:39	04/26/16 16:24	1
Arsenic	ug/L	0.96 I	EPA 6020	5.0	0.93	04/22/16 08:21	04/22/16 16:38	1
Barium	ug/L	7.4 I	EPA 6010	100	5.0	04/15/16 08:05	04/19/16 15:28	1
Beryllium	ug/L	0.12 U	EPA 6010	1.0	0.12	04/15/16 08:05	04/19/16 15:28	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	04/22/16 08:21	04/22/16 16:38	1
Chromium	ug/L	0.35 U	EPA 6020	5.0	0.35	04/22/16 08:21	04/22/16 16:38	1
Cobalt	ug/L	10 U	EPA 6010	100	10	04/15/16 08:05	04/19/16 15:28	1
Copper	ug/L	0.13 U	EPA 6020	0.50	0.13	04/22/16 08:21	04/22/16 16:38	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	04/22/16 08:21	04/22/16 16:38	1
Nickel	ug/L	2.6 I	EPA 6020	5.0	0.46	04/22/16 08:21	04/22/16 16:38	1

Florida Certification Number: E84129
NELAP Accredited

Francis I. Daniels, Laboratory Director
Leslie C. Boardman, Q.A. Manager

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May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-12D 2511**
Matrix	**Groundwater**
SAL Sample Number	**1605207-04**
Date/Time Collected	**04/13/16 10:40**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/13/16 16:15**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Selenium	ug/L	2.1 I	EPA 6020	5.0	0.26	04/26/16 11:39	04/26/16 16:24	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	04/15/16 08:05	04/19/16 15:28	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	04/22/16 08:21	04/22/16 16:38	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	04/15/16 08:05	04/19/16 15:28	1
Zinc	ug/L	1.1 I	EPA 6020	5.0	0.88	04/22/16 08:21	04/22/16 16:38	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2515

Sampling Date/Time: 04/13/2016 @ 11:40

Well Name: 2MW-13D

Report Period: 2016 Quarter II

Classification of Groundwater: Surficial

Well Purged: YES

Groundwater Elevation (NGVD): DRY

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7		DRY	mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7		"	ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B		"	ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11		"	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14		"	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12		"	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15		"	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16		"	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0		"	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C		"	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H		"	mg/L	0.04	mg/L
000620	Nitrate	"	No	SM 4500NO_3F		"	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No			"	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 19214

Sampling Date/Time: 04/13/2016 @ 11:40

Well Name: 4MW-13D

Report Period: 2016 Quarter II

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 29.45

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	04/14/16 10:50	9.25	mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7	04/14/16 10:50	18.0	ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B	04/19/16 11:15	0.04 I	ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	04/13/16 11:40	7.54	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	04/13/16 11:40	26.8	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	04/13/16 11:40	304	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	04/13/16 11:40	1.06	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	04/13/16 11:40	0.0	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	04/13/16 15:50	23.4	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	04/15/16 10:15	262	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/29/16 10:20	0.04 I	mg/L	0.04	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	04/13/16 15:50	0.05 I	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		04/13/16 11:40	29.45	Feet NGVD		Feet NGVD

Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name PASCO COUNTY RESOURCE RECOVERY

Sample Description	4MW-13D 19214
Matrix	Groundwater
SAL Sample Number	1605207-05
Date/Time Collected	04/13/16 11:40
Collected by	Wilfred Martfeld
Date/Time Received	04/13/16 16:15

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 20:09	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 20:09	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 20:09	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 20:09	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 20:09	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 20:09	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/19/16 20:09	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 20:09	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 20:09	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 20:09	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 20:09	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/19/16 20:09	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/19/16 20:09	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/19/16 20:09	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/19/16 20:09	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/19/16 20:09	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 20:09	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 20:09	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 20:09	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 20:09	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/19/16 20:09	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 20:09	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 20:09	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 20:09	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/19/16 20:09	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 20:09	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/19/16 20:09	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/19/16 20:09	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 20:09	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 20:09	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 20:09	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/19/16 20:09	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 20:09	1

Pasco County Environmental Laboratory
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New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-13D 19214**
Matrix	**Groundwater**
SAL Sample Number	**1605207-05**
Date/Time Collected	**04/13/16 11:40**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/13/16 16:15**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 20:09	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		04/19/16 20:09	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 20:09	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/19/16 20:09	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 20:09	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 20:09	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		04/19/16 20:09	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 20:09	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 20:09	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		04/19/16 20:09	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		04/19/16 20:09	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		04/19/16 20:09	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		04/19/16 20:09	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		04/19/16 20:09	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*107 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*96 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*		*110 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*		*97 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0052 U	EPA 8011	0.021	0.0052	04/18/16 16:43	04/19/16 12:20	1
1,2-Dibromoethane	ug/L	0.0052 U	EPA 8011	0.021	0.0052	04/18/16 16:43	04/19/16 12:20	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*113 %*	*Limits*	*82-126*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	04/26/16 11:39	04/26/16 16:27	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	04/22/16 08:21	04/22/16 16:43	1
Barium	ug/L	8.6 I	EPA 6010	100	5.0	04/15/16 08:05	04/19/16 15:32	1
Beryllium	ug/L	0.12 U	EPA 6010	1.0	0.12	04/15/16 08:05	04/19/16 15:32	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	04/22/16 08:21	04/22/16 16:43	1
Chromium	ug/L	0.35 U	EPA 6020	5.0	0.35	04/22/16 08:21	04/22/16 16:43	1
Cobalt	ug/L	10 U	EPA 6010	100	10	04/15/16 08:05	04/19/16 15:32	1
Copper	ug/L	0.15 I	EPA 6020	0.50	0.13	04/22/16 08:21	04/22/16 16:43	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	04/22/16 08:21	04/22/16 16:43	1
Nickel	ug/L	3.8 I	EPA 6020	5.0	0.46	04/22/16 08:21	04/22/16 16:43	1

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110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 FAX 813-855-2218

Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-13D 19214**
Matrix	**Groundwater**
SAL Sample Number	**1605207-05**
Date/Time Collected	**04/13/16 11:40**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/13/16 16:15**

Parameters	Units	Results *		Method	PQL	MDL	Prepared	Analyzed	Dilution
Selenium	ug/L	1.5	I	EPA 6020	5.0	0.26	04/26/16 11:39	04/26/16 16:27	1
Silver	ug/L	1.1	U	EPA 6010	20	1.1	04/15/16 08:05	04/19/16 15:32	1
Thallium	ug/L	0.24	U	EPA 6020	0.50	0.24	04/22/16 08:21	04/22/16 16:43	1
Vanadium	ug/L	7.8	U	EPA 6010	10	7.8	04/15/16 08:05	04/19/16 15:32	1
Zinc	ug/L	0.88	U	EPA 6020	5.0	0.88	04/22/16 08:21	04/22/16 16:43	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2512

Sampling Date/Time: 04/25/2016 @ 12:35

Well Name: 4MW-14D

Report Period: 2016 Quarter II

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 30.04

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	05/03/16 11:00	12.2	mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7	05/03/16 11:00	114	ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B	05/05/16 11:10	0.02 U	ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	04/25/16 12:35	6.20	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	04/25/16 12:35	26.77	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	04/25/16 12:35	314	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	04/25/16 12:35	1.14	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	04/25/16 12:35	0.0	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	04/26/16 8:20	26.4	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	04/28/16 11:40	334	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/29/16 10:20	0.04 U	mg/L	0.04	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	05/03/16 10:30	0.60	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		04/25/16 12:35	30.04	Feet NGVD		Feet NGVD

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New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-14D 2512**
Matrix	**Groundwater**
SAL Sample Number	**1605207-16**
Date/Time Collected	**04/25/16 12:35**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/27/16 13:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:39	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:39	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:39	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:39	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:39	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:39	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/28/16 21:39	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 21:39	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 21:39	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:39	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:39	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/28/16 21:39	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/28/16 21:39	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/28/16 21:39	1
Acetone	ug/L	62	EPA 8260	4.0	2.0		04/28/16 21:39	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/28/16 21:39	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 21:39	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 21:39	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:39	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:39	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/28/16 21:39	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:39	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:39	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 21:39	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/28/16 21:39	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:39	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/28/16 21:39	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/28/16 21:39	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:39	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 21:39	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:39	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/28/16 21:39	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:39	1

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May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-14D 2512**
Matrix	**Groundwater**
SAL Sample Number	**1605207-16**
Date/Time Collected	**04/25/16 12:35**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/27/16 13:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:39	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		04/28/16 21:39	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 21:39	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/28/16 21:39	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:39	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 21:39	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		04/28/16 21:39	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:39	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:39	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		04/28/16 21:39	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		04/28/16 21:39	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		04/28/16 21:39	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 21:39	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 21:39	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*109 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*95 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*		*109 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*		*91 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0051 U	EPA 8011	0.021	0.0051	04/27/16 17:09	04/28/16 04:02	1
1,2-Dibromoethane	ug/L	0.0051 U	EPA 8011	0.021	0.0051	04/27/16 17:09	04/28/16 04:02	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*95 %*	*Limits*	*82-126*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	05/03/16 10:54	05/03/16 12:42	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	04/29/16 09:48	04/30/16 17:10	1
Barium	ug/L	12 I	EPA 6010	100	5.0	04/29/16 09:54	04/29/16 17:16	1
Beryllium	ug/L	0.12 U	EPA 6010	1.0	0.12	04/29/16 09:54	04/29/16 17:16	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	04/29/16 09:48	04/30/16 17:10	1
Chromium	ug/L	0.35 U	EPA 6020	5.0	0.35	04/29/16 09:48	04/30/16 17:10	1
Cobalt	ug/L	10 U	EPA 6010	100	10	04/29/16 09:54	04/29/16 17:16	1
Copper	ug/L	0.13 U	EPA 6020	0.50	0.13	04/29/16 09:48	04/30/16 17:10	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	04/29/16 09:48	04/30/16 17:10	1
Nickel	ug/L	3.6 I	EPA 6020	5.0	0.46	04/29/16 09:48	04/30/16 17:10	1

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Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-14D 2512**
Matrix	**Groundwater**
SAL Sample Number	**1605207-16**
Date/Time Collected	**04/25/16 12:35**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/27/16 13:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Selenium	ug/L	2.4 I	EPA 6020	5.0	0.26	05/03/16 10:54	05/03/16 12:42	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	04/29/16 09:54	04/29/16 17:16	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	04/29/16 09:48	04/30/16 17:10	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	04/29/16 09:54	04/29/16 17:16	1
Zinc	ug/L	1.1 I	EPA 6020	5.0	0.88	04/29/16 09:48	04/30/16 17:10	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 19766

Sampling Date/Time: 04/27/2016 @ 15:10

Well Name: 2MW-15DA

Report Period: 2016 Quarter II

Classification of Groundwater:

Well Purged: YES

Groundwater Elevation (NGVD): 33.23

Well Type: BG

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	05/03/16 11:00	4.37	mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7	05/03/16 11:00	374	ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B	05/05/16 11:10	0.02 U	ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	04/27/16 15:10	7.74	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	04/27/16 15:10	27.01	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	04/27/16 15:10	241	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	04/27/16 15:10	1.19	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	04/27/16 15:10	33.6	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	05/11/16 8:20	9.23	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	04/28/16 11:40	172	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/29/16 14:20	0.05 I	mg/L	0.04	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	05/03/16 10:30	0.18	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		04/27/16 15:10	33.23	Feet NGVD		Feet NGVD

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New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-15DA 19766**
Matrix	**Groundwater**
SAL Sample Number	**1605207-19**
Date/Time Collected	**04/27/16 15:10**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/28/16 14:45**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 23:14	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 23:14	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 23:14	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 23:14	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 23:14	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 23:14	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/28/16 23:14	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 23:14	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 23:14	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 23:14	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 23:14	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/28/16 23:14	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/28/16 23:14	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/28/16 23:14	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/28/16 23:14	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/28/16 23:14	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 23:14	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 23:14	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 23:14	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 23:14	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/28/16 23:14	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 23:14	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 23:14	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 23:14	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/28/16 23:14	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 23:14	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/28/16 23:14	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/28/16 23:14	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 23:14	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 23:14	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 23:14	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/28/16 23:14	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 23:14	1

Pasco County Environmental Laboratory
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May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-15DA 19766**
Matrix	**Groundwater**
SAL Sample Number	**1605207-19**
Date/Time Collected	**04/27/16 15:10**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/28/16 14:45**

Parameters	Units	Results *		Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 23:14	1
Styrene	ug/L	0.05	U	EPA 8260	0.8	0.05		04/28/16 23:14	1
Tetrachloroethene	ug/L	0.1	U	EPA 8260	0.8	0.1		04/28/16 23:14	1
Toluene	ug/L	0.09	U	EPA 8260	0.8	0.09		04/28/16 23:14	1
trans-1,2-Dichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 23:14	1
trans-1,3-Dichloropropene	ug/L	0.1	U	EPA 8260	0.8	0.1		04/28/16 23:14	1
trans-1,4-Dichloro-2-butene	ug/L	0.3	U	EPA 8260	0.8	0.3		04/28/16 23:14	1
Trichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 23:14	1
Trichlorofluoromethane	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 23:14	1
Vinyl acetate	ug/L	0.4	U	EPA 8260	1.6	0.4		04/28/16 23:14	1
Vinyl chloride	ug/L	0.3	U	EPA 8260	1.6	0.3		04/28/16 23:14	1
Xylene-m,p	ug/L	0.2	U	EPA 8260	1.6	0.2		04/28/16 23:14	1
Xylene-o	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 23:14	1
Xylenes- Total	ug/L	0.1	U	EPA 8260	0.8	0.1		04/28/16 23:14	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*			*107 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*			*96 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*			*108 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*			*93 %*	*Limits*	*65-135*			
Pesticide Analyses									
1,2-Dibromo-3-chloropropane	ug/L	0.0053	U	EPA 8011	0.021	0.0053	05/06/16 11:20	05/06/16 17:20	1
1,2-Dibromoethane	ug/L	0.0053	U	EPA 8011	0.021	0.0053	05/06/16 11:20	05/06/16 17:20	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*			*103 %*	*Limits*	*82-126*			
Metals									
Antimony	ug/L	1.0	U	EPA 6020	50	1.0	05/03/16 10:54	05/03/16 12:51	1
Arsenic	ug/L	2.0	I	EPA 6020	5.0	0.93	04/29/16 09:48	04/30/16 17:23	1
Barium	ug/L	17	I	EPA 6010	100	5.0	04/29/16 09:54	04/29/16 17:27	1
Beryllium	ug/L	0.12	U	EPA 6010	1.0	0.12	04/29/16 09:54	04/29/16 17:27	1
Cadmium	ug/L	0.27	U	EPA 6020	0.50	0.27	04/29/16 09:48	04/30/16 17:23	1
Chromium	ug/L	2.9	I	EPA 6020	5.0	0.35	04/29/16 09:48	04/30/16 17:23	1
Cobalt	ug/L	10	U	EPA 6010	100	10	04/29/16 09:54	04/29/16 17:27	1
Copper	ug/L	0.89		EPA 6020	0.50	0.13	04/29/16 09:48	04/30/16 17:23	1
Lead	ug/L	1.0		EPA 6020	0.50	0.25	04/29/16 09:48	04/30/16 17:23	1
Nickel	ug/L	3.9	I	EPA 6020	5.0	0.46	04/29/16 09:48	04/30/16 17:23	1

Florida Certification Number: E84129
NELAP Accredited

Francis I. Daniels, Laboratory Director
Leslie C. Boardman, Q.A. Manager

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May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**2MW-15DA 19766**
Matrix	**Groundwater**
SAL Sample Number	**1605207-19**
Date/Time Collected	**04/27/16 15:10**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/28/16 14:45**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Selenium	ug/L	1.1 I	EPA 6020	5.0	0.26	05/03/16 10:54	05/03/16 12:51	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	04/29/16 09:54	04/29/16 17:27	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	04/29/16 09:48	04/30/16 17:23	1
Vanadium	ug/L	8.0 I	EPA 6010	10	7.8	04/29/16 09:54	04/29/16 17:27	1
Zinc	ug/L	3.4 I	EPA 6020	5.0	0.88	04/29/16 09:48	04/30/16 17:23	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 19758

Sampling Date/Time: 04/27/2016 @ 14:00

Well Name: 2MW-17S

Report Period: 2016 Quarter II

Classification of Groundwater:

Well Purged: YES

Groundwater Elevation (NGVD): 26.93

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	05/03/16 11:00	2.38	mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7	05/03/16 11:00	132	ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B	05/05/16 11:10	0.02 U	ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	04/27/16 14:00	6.29	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	04/27/16 14:00	26.78	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	04/27/16 14:00	243	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	04/27/16 14:00	1.10	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	04/27/16 14:00	24.6	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	05/11/16 8:20	13.5	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	04/28/16 11:40	130	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH$_3$H	04/29/16 14:20	0.14 I	mg/L	0.04	mg/L
000620	Nitrate	"	No	SM 4500NO$_3$F	05/03/16 10:30	4.13	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		04/27/16 14:00	26.93	Feet NGVD		Feet NGVD

Pasco County Environmental Laboratory
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New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name PASCO COUNTY RESOURCE RECOVERY

Sample Description	2MW-17S 19758
Matrix	Groundwater
SAL Sample Number	1605207-18
Date/Time Collected	04/27/16 14:00
Collected by	Wilfred Martfeld
Date/Time Received	04/28/16 14:45

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 22:42	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 22:42	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 22:42	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 22:42	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 22:42	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 22:42	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/28/16 22:42	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 22:42	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 22:42	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 22:42	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 22:42	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/28/16 22:42	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/28/16 22:42	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/28/16 22:42	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/28/16 22:42	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/28/16 22:42	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 22:42	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 22:42	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 22:42	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 22:42	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/28/16 22:42	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 22:42	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 22:42	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 22:42	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/28/16 22:42	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 22:42	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/28/16 22:42	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/28/16 22:42	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 22:42	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 22:42	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 22:42	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/28/16 22:42	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 22:42	1

Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-17S 19758**
Matrix	**Groundwater**
SAL Sample Number	**1605207-18**
Date/Time Collected	**04/27/16 14:00**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/28/16 14:45**

Parameters	Units	Results *		Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 22:42	1
Styrene	ug/L	0.05	U	EPA 8260	0.8	0.05		04/28/16 22:42	1
Tetrachloroethene	ug/L	0.1	U	EPA 8260	0.8	0.1		04/28/16 22:42	1
Toluene	ug/L	2.9		EPA 8260	0.8	0.09		04/28/16 22:42	1
trans-1,2-Dichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 22:42	1
trans-1,3-Dichloropropene	ug/L	0.1	U	EPA 8260	0.8	0.1		04/28/16 22:42	1
trans-1,4-Dichloro-2-butene	ug/L	0.3	U	EPA 8260	0.8	0.3		04/28/16 22:42	1
Trichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 22:42	1
Trichlorofluoromethane	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 22:42	1
Vinyl acetate	ug/L	0.4	U	EPA 8260	1.6	0.4		04/28/16 22:42	1
Vinyl chloride	ug/L	0.3	U	EPA 8260	1.6	0.3		04/28/16 22:42	1
Xylene-m,p	ug/L	0.2	U	EPA 8260	1.6	0.2		04/28/16 22:42	1
Xylene-o	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 22:42	1
Xylenes- Total	ug/L	0.1	U	EPA 8260	0.8	0.1		04/28/16 22:42	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*			*106 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*			*96 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*			*110 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*			*93 %*	*Limits*	*65-135*			
Pesticide Analyses									
1,2-Dibromo-3-chloropropane	ug/L	0.0053	U	EPA 8011	0.021	0.0053	05/06/16 11:20	05/06/16 16:58	1
1,2-Dibromoethane	ug/L	0.0053	U	EPA 8011	0.021	0.0053	05/06/16 11:20	05/06/16 16:58	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*			*102 %*	*Limits*	*82-126*			
Metals									
Antimony	ug/L	1.0	U	EPA 6020	50	1.0	05/03/16 10:54	05/03/16 12:48	1
Arsenic	ug/L	0.93	U	EPA 6020	5.0	0.93	04/29/16 09:48	04/30/16 17:19	1
Barium	ug/L	15	I	EPA 6010	100	5.0	04/29/16 09:54	04/29/16 17:24	1
Beryllium	ug/L	0.12	U	EPA 6010	1.0	0.12	04/29/16 09:54	04/29/16 17:24	1
Cadmium	ug/L	0.27	U	EPA 6020	0.50	0.27	04/29/16 09:48	04/30/16 17:19	1
Chromium	ug/L	0.55	I	EPA 6020	5.0	0.35	04/29/16 09:48	04/30/16 17:19	1
Cobalt	ug/L	10	U	EPA 6010	100	10	04/29/16 09:54	04/29/16 17:24	1
Copper	ug/L	0.90		EPA 6020	0.50	0.13	04/29/16 09:48	04/30/16 17:19	1
Lead	ug/L	0.25	U	EPA 6020	0.50	0.25	04/29/16 09:48	04/30/16 17:19	1
Nickel	ug/L	1.5	I	EPA 6020	5.0	0.46	04/29/16 09:48	04/30/16 17:19	1

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8864 Government Drive
New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-17S 19758**
Matrix	**Groundwater**
SAL Sample Number	**1605207-18**
Date/Time Collected	**04/27/16 14:00**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/28/16 14:45**

Parameters	Units	Results *		Method	PQL	MDL	Prepared	Analyzed	Dilution
Selenium	ug/L	0.74	I	EPA 6020	5.0	0.26	05/03/16 10:54	05/03/16 12:48	1
Silver	ug/L	1.1	U	EPA 6010	20	1.1	04/29/16 09:54	04/29/16 17:24	1
Thallium	ug/L	0.24	U	EPA 6020	0.50	0.24	04/29/16 09:48	04/30/16 17:19	1
Vanadium	ug/L	7.8	U	EPA 6010	10	7.8	04/29/16 09:54	04/29/16 17:24	1
Zinc	ug/L	2.5	I	EPA 6020	5.0	0.88	04/29/16 09:48	04/30/16 17:19	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 19759

Sampling Date/Time: 04/14/2016 @ 13:00

Well Name: 2MW-18D

Report Period: 2016 Quarter II

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 27.15

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	04/22/16 11:50	10.7	mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7	04/22/16 15:51	50.1	ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B	04/19/16 11:15	0.03 I	ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	04/14/16 13:00	7.01	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	04/14/16 13:00	25.08	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	04/14/16 13:00	300	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	04/14/16 13:00	0.93	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	04/14/16 13:00	2.4	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	04/26/16 8:20	31.9	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	04/20/16 15:10	308	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/29/16 10:20	0.04 I	mg/L	0.04	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	05/03/16 10:30	0.50	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		04/14/16 13:00	27.15	Feet NGVD		Feet NGVD

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May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-18D 19759**
Matrix	**Groundwater**
SAL Sample Number	**1605207-07**
Date/Time Collected	**04/14/16 13:00**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/20/16 14:35**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 19:22	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 19:22	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 19:22	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 19:22	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 19:22	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 19:22	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/22/16 19:22	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/22/16 19:22	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/22/16 19:22	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 19:22	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 19:22	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/22/16 19:22	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/22/16 19:22	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/22/16 19:22	1
Acetone	ug/L	24	EPA 8260	4.0	2.0		04/22/16 19:22	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/22/16 19:22	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/22/16 19:22	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/22/16 19:22	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 19:22	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 19:22	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/22/16 19:22	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 19:22	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 19:22	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/22/16 19:22	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/22/16 19:22	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 19:22	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/22/16 19:22	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/22/16 19:22	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 19:22	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/22/16 19:22	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 19:22	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/22/16 19:22	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 19:22	1

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May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-18D 19759**
Matrix	**Groundwater**
SAL Sample Number	**1605207-07**
Date/Time Collected	**04/14/16 13:00**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/20/16 14:35**

Parameters	Units	Results *		Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2	U	EPA 8260	0.8	0.2		04/22/16 19:22	1
Styrene	ug/L	0.05	U	EPA 8260	0.8	0.05		04/22/16 19:22	1
Tetrachloroethene	ug/L	0.1	U	EPA 8260	0.8	0.1		04/22/16 19:22	1
Toluene	ug/L	0.09	U	EPA 8260	0.8	0.09		04/22/16 19:22	1
trans-1,2-Dichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		04/22/16 19:22	1
trans-1,3-Dichloropropene	ug/L	0.1	U	EPA 8260	0.8	0.1		04/22/16 19:22	1
trans-1,4-Dichloro-2-butene	ug/L	0.3	U	EPA 8260	0.8	0.3		04/22/16 19:22	1
Trichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		04/22/16 19:22	1
Trichlorofluoromethane	ug/L	0.2	U	EPA 8260	0.8	0.2		04/22/16 19:22	1
Vinyl acetate	ug/L	0.4	U	EPA 8260	1.6	0.4		04/22/16 19:22	1
Vinyl chloride	ug/L	0.3	U	EPA 8260	1.6	0.3		04/22/16 19:22	1
Xylene-m,p	ug/L	0.2	U	EPA 8260	1.6	0.2		04/22/16 19:22	1
Xylene-o	ug/L	0.2	U	EPA 8260	0.8	0.2		04/22/16 19:22	1
Xylenes- Total	ug/L	0.1	U	EPA 8260	0.8	0.1		04/22/16 19:22	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*			*111 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*			*98 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*			*108 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*			*95 %*	*Limits*	*65-135*			
Pesticide Analyses									
1,2-Dibromo-3-chloropropane	ug/L	0.0051	U	EPA 8011	0.021	0.0051	04/21/16 18:25	04/22/16 01:46	1
1,2-Dibromoethane	ug/L	0.0051	U	EPA 8011	0.021	0.0051	04/21/16 18:25	04/22/16 01:46	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*			*115 %*	*Limits*	*82-126*			
Metals									
Antimony	ug/L	1.0	U	EPA 6020	50	1.0	04/26/16 11:39	04/26/16 16:33	1
Arsenic	ug/L	0.93	U	EPA 6020	5.0	0.93	04/22/16 08:21	04/22/16 16:52	1
Barium	ug/L	11	I	EPA 6010	100	5.0	04/21/16 10:41	04/21/16 16:34	1
Beryllium	ug/L	0.12	U	EPA 6010	1.0	0.12	04/21/16 10:41	04/21/16 16:34	1
Cadmium	ug/L	0.27	U	EPA 6020	0.50	0.27	04/22/16 08:21	04/22/16 16:52	1
Chromium	ug/L	0.35	U	EPA 6020	5.0	0.35	04/22/16 08:21	04/22/16 16:52	1
Cobalt	ug/L	10	U	EPA 6010	100	10	04/21/16 10:41	04/21/16 16:34	1
Copper	ug/L	0.14	I	EPA 6020	0.50	0.13	04/22/16 08:21	04/22/16 16:52	1
Lead	ug/L	0.25	U	EPA 6020	0.50	0.25	04/22/16 08:21	04/22/16 16:52	1
Nickel	ug/L	3.5	I	EPA 6020	5.0	0.46	04/22/16 08:21	04/22/16 16:52	1

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New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-18D 19759**
Matrix	**Groundwater**
SAL Sample Number	**1605207-07**
Date/Time Collected	**04/14/16 13:00**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/20/16 14:35**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Selenium	ug/L	1.5 I	EPA 6020	5.0	0.26	04/26/16 11:39	04/26/16 16:33	1
Silver	ug/L	1.8 I	EPA 6010	20	1.1	04/21/16 10:41	04/21/16 16:34	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	04/22/16 08:21	04/22/16 16:52	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	04/21/16 10:41	04/21/16 16:34	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	04/22/16 08:21	04/22/16 16:52	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 19764

Sampling Date/Time: 04/14/2016 @ 11:40

Well Name: 2MW-19D

Report Period: 2016 Quarter II

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 27.88

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	04/22/16 11:50	6.48	mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7	04/22/16 15:51	925	ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B	04/19/16 11:15	2.0	ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	04/14/16 11:40	6.71	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	04/14/16 11:40	26.02	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	04/14/16 11:40	596	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	04/14/16 11:40	1.02	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	04/14/16 11:40	54.6	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	04/26/16 8:20	45.4	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	04/15/16 10:15	278	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/29/16 10:20	0.04 U	mg/L	0.04	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	05/03/16 10:30	0.21	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		04/14/16 11:40	27.88	Feet NGVD		Feet NGVD

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May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-19D 19764**
Matrix	**Groundwater**
SAL Sample Number	**1605207-06**
Date/Time Collected	**04/14/16 11:40**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/20/16 14:35**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 18:50	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 18:50	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 18:50	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 18:50	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 18:50	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 18:50	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/22/16 18:50	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/22/16 18:50	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/22/16 18:50	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 18:50	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 18:50	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/22/16 18:50	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/22/16 18:50	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/22/16 18:50	1
Acetone	ug/L	6.3	EPA 8260	4.0	2.0		04/22/16 18:50	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/22/16 18:50	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/22/16 18:50	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/22/16 18:50	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 18:50	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 18:50	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/22/16 18:50	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 18:50	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 18:50	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/22/16 18:50	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/22/16 18:50	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 18:50	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/22/16 18:50	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/22/16 18:50	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 18:50	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/22/16 18:50	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 18:50	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/22/16 18:50	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/22/16 18:50	1

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May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-19D 19764**
Matrix	**Groundwater**
SAL Sample Number	**1605207-06**
Date/Time Collected	**04/14/16 11:40**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/20/16 14:35**

Parameters	Units	Results *		Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2	U	EPA 8260	0.8	0.2		04/22/16 18:50	1
Styrene	ug/L	0.05	U	EPA 8260	0.8	0.05		04/22/16 18:50	1
Tetrachloroethene	ug/L	0.1	U	EPA 8260	0.8	0.1		04/22/16 18:50	1
Toluene	ug/L	0.09	U	EPA 8260	0.8	0.09		04/22/16 18:50	1
trans-1,2-Dichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		04/22/16 18:50	1
trans-1,3-Dichloropropene	ug/L	0.1	U	EPA 8260	0.8	0.1		04/22/16 18:50	1
trans-1,4-Dichloro-2-butene	ug/L	0.3	U	EPA 8260	0.8	0.3		04/22/16 18:50	1
Trichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		04/22/16 18:50	1
Trichlorofluoromethane	ug/L	0.2	U	EPA 8260	0.8	0.2		04/22/16 18:50	1
Vinyl acetate	ug/L	0.4	U	EPA 8260	1.6	0.4		04/22/16 18:50	1
Vinyl chloride	ug/L	0.3	U	EPA 8260	1.6	0.3		04/22/16 18:50	1
Xylene-m,p	ug/L	0.2	U	EPA 8260	1.6	0.2		04/22/16 18:50	1
Xylene-o	ug/L	0.2	U	EPA 8260	0.8	0.2		04/22/16 18:50	1
Xylenes- Total	ug/L	0.1	U	EPA 8260	0.8	0.1		04/22/16 18:50	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*			*108 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*			*97 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*			*104 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*			*97 %*	*Limits*	*65-135*			
Pesticide Analyses									
1,2-Dibromo-3-chloropropane	ug/L	0.0052	U	EPA 8011	0.021	0.0052	04/21/16 18:25	04/22/16 01:24	1
1,2-Dibromoethane	ug/L	0.0052	U	EPA 8011	0.021	0.0052	04/21/16 18:25	04/22/16 01:24	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*			*114 %*	*Limits*	*82-126*			
Metals									
Antimony	ug/L	1.0	U	EPA 6020	50	1.0	04/26/16 11:39	04/26/16 16:30	1
Arsenic	ug/L	0.93	U	EPA 6020	5.0	0.93	04/22/16 08:21	04/22/16 16:48	1
Barium	ug/L	13	I	EPA 6010	100	5.0	04/21/16 10:41	04/21/16 16:24	1
Beryllium	ug/L	0.12	U	EPA 6010	1.0	0.12	04/21/16 10:41	04/21/16 16:24	1
Cadmium	ug/L	0.43	I	EPA 6020	0.50	0.27	04/22/16 08:21	04/22/16 16:48	1
Chromium	ug/L	4.3	I	EPA 6020	5.0	0.35	04/22/16 08:21	04/22/16 16:48	1
Cobalt	ug/L	10	U	EPA 6010	100	10	04/21/16 10:41	04/21/16 16:24	1
Copper	ug/L	1.3		EPA 6020	0.50	0.13	04/22/16 08:21	04/22/16 16:48	1
Lead	ug/L	0.59		EPA 6020	0.50	0.25	04/22/16 08:21	04/22/16 16:48	1
Nickel	ug/L	5.3		EPA 6020	5.0	0.46	04/22/16 08:21	04/22/16 16:48	1

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110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 FAX 813-855-2218

Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-19D 19764**
Matrix	**Groundwater**
SAL Sample Number	**1605207-06**
Date/Time Collected	**04/14/16 11:40**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/20/16 14:35**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Selenium	ug/L	0.92 I	EPA 6020	5.0	0.26	04/26/16 11:39	04/26/16 16:30	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	04/21/16 10:41	04/21/16 16:24	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	04/22/16 08:21	04/22/16 16:48	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	04/21/16 10:41	04/21/16 16:24	1
Zinc	ug/L	3.9 I	EPA 6020	5.0	0.88	04/22/16 08:21	04/22/16 16:48	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: West Pasco Class III Sanitary Landfill

Test Site ID #: 23065

Sampling Date/Time: 04/27/2016 @ 10:30

Well Name: 4MW-21

Report Period: 2016 Quarter II

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): IFS

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000620	Nitrate	Well Wizard Ded. Mon. System	No	SM 4500NO_3F		IFS	mg/L	0.03	mg/L
000929	Sodium	"	No	EPA 200.7		"	mg/L	0.03	mg/L
082079	Turbidity	"	No	FDEP FT 16		"	NTU	0.00	NTU
00940	Chloride	"	No	EPA 300.0		"	mg/L	0.10	mg/L
001045	Iron	"	No	EPA 200.7		"	ug/L	1.4	ug/L
00400	pH-Field	"	No	FDEP FT 11		"	std. units	0.10	std. units
070300	TDS	"	No	SM 2540C		"	mg/L	0.1	mg/L
000344	Dissolved Oxy. (Field)	"	No	FDEP FT 15		"	mg/L	0.1	mg/L
000095	Specific Cond. (Field)	"	No	FDEP FT 12		"	umhos/cm	1	umhos/cm
000010	Temp. (Field)	"	No	FDEP FT 14		"	deg. C	0.00	deg. C
071900	Mercury	"	No	SM 3112B		"	ug/L	0.02	ug/L
000610	Ammonia	"	No	SM 4500NH_3H		"	mg/L	0.04	mg/L
900216	Color by Obs. (Field)	"	No	SM 2120B		"	Obs.	0	Obs.
072020	Water Level	"	No	DEP-SOP		"	Feet NGVD	0	Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID#: 45799

Site: West Pasco Class III Sanitary Landfill

Test Site ID #: 23066

Sampling Date/Time: 04/27/2016 @ 11:40

Well Name: 4MW-22

Report Period: 2016 Quarter II

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): IFS

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000620	Nitrate	Well Wizard Ded. Mon. System	No	SM 4500NO_3F		IFS	mg/L	0.03	mg/L
000929	Sodium	"	No	EPA 200.7		"	mg/L	0.03	mg/L
082079	Turbidity	"	No	FDEP FT 16		"	NTU	0.00	NTU
00940	Chloride	"	No	EPA 300.0		"	mg/L	0.10	mg/L
001045	Iron	"	No	EPA 200.7		"	ug/L	1.4	ug/L
00400	pH-Field	"	No	FDEP FT 11		"	std. units	0.10	std. units
070300	TDS	"	No	SM 2540C		"	mg/L	0.1	mg/L
000344	Dissolved Oxy. (Field)	"	No	FDEP FT 15		"	mg/L	0.1	mg/L
000095	Specific Cond. (Field)	"	No	FDEP FT 12		"	umhos/cm	1	umhos/cm
000010	Temp. (Field)	"	No	FDEP FT 14		"	deg. C	0.00	deg. C
071900	Mercury	"	No	SM 3112B		"	ug/L	0.02	ug/L
000610	Ammonia	"	No	SM 4500NH_3H		"	mg/L	0.04	mg/L
900216	Color by Obs. (Field)	"	No	SM 2120B		"	Obs.	0	Obs.
072020	Water Level	"	No	DEP-SOP		"	Feet NGVD	0	Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 23444

Sampling Date/Time: 04/25/2016 @ 14:30

Well Name: 2MW-24D

Report Period: 2016 Quarter II

Classification of Groundwater: G-II

Well Purged: YES

Groundwater Elevation (NGVD): 29.75

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	05/03/16 11:00	25.5	mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7	05/03/16 11:00	3630	ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B	05/05/16 11:10	0.02 U	ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	04/25/16 14:30	6.14	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	04/25/16 14:30	27.23	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	04/25/16 14:30	456	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	04/25/16 14:30	0.87	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	04/25/16 14:30	0.0	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	04/26/16 8:20	55.4	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	04/28/16 11:40	236	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/29/16 10:20	0.11 I	mg/L	0.04	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	05/03/16 10:30	1.62	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		04/25/16 14:30	29.75	Feet NGVD		Feet NGVD

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Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name PASCO COUNTY RESOURCE RECOVERY

Sample Description	2MW-24D 23444
Matrix	Groundwater
SAL Sample Number	1605207-17
Date/Time Collected	04/25/16 14:30
Collected by	Wilfred Martfeld
Date/Time Received	04/27/16 13:00

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 22:11	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 22:11	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 22:11	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 22:11	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 22:11	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 22:11	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/28/16 22:11	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 22:11	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 22:11	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 22:11	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 22:11	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/28/16 22:11	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/28/16 22:11	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/28/16 22:11	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/28/16 22:11	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/28/16 22:11	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 22:11	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 22:11	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 22:11	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 22:11	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/28/16 22:11	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 22:11	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 22:11	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 22:11	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/28/16 22:11	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 22:11	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/28/16 22:11	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/28/16 22:11	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 22:11	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 22:11	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 22:11	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/28/16 22:11	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 22:11	1

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Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-24D 23444**
Matrix	**Groundwater**
SAL Sample Number	**1605207-17**
Date/Time Collected	**04/25/16 14:30**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/27/16 13:00**

Parameters	Units	Results *		Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 22:11	1
Styrene	ug/L	0.05	U	EPA 8260	0.8	0.05		04/28/16 22:11	1
Tetrachloroethene	ug/L	0.1	U	EPA 8260	0.8	0.1		04/28/16 22:11	1
Toluene	ug/L	0.09	U	EPA 8260	0.8	0.09		04/28/16 22:11	1
trans-1,2-Dichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 22:11	1
trans-1,3-Dichloropropene	ug/L	0.1	U	EPA 8260	0.8	0.1		04/28/16 22:11	1
trans-1,4-Dichloro-2-butene	ug/L	0.3	U	EPA 8260	0.8	0.3		04/28/16 22:11	1
Trichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 22:11	1
Trichlorofluoromethane	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 22:11	1
Vinyl acetate	ug/L	0.4	U	EPA 8260	1.6	0.4		04/28/16 22:11	1
Vinyl chloride	ug/L	0.3	U	EPA 8260	1.6	0.3		04/28/16 22:11	1
Xylene-m,p	ug/L	0.2	U	EPA 8260	1.6	0.2		04/28/16 22:11	1
Xylene-o	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 22:11	1
Xylenes- Total	ug/L	0.1	U	EPA 8260	0.8	0.1		04/28/16 22:11	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*			*111 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*			*97 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*			*107 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*			*92 %*	*Limits*	*65-135*			
Pesticide Analyses									
1,2-Dibromo-3-chloropropane	ug/L	0.0052	U	EPA 8011	0.021	0.0052	04/27/16 17:09	04/28/16 04:24	1
1,2-Dibromoethane	ug/L	0.0052	U	EPA 8011	0.021	0.0052	04/27/16 17:09	04/28/16 04:24	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*			*100 %*	*Limits*	*82-126*			
Metals									
Antimony	ug/L	1.0	U	EPA 6020	50	1.0	05/03/16 10:54	05/03/16 12:45	1
Arsenic	ug/L	0.93	U	EPA 6020	5.0	0.93	04/29/16 09:48	04/30/16 17:14	1
Barium	ug/L	17	I	EPA 6010	100	5.0	04/29/16 09:54	04/29/16 17:20	1
Beryllium	ug/L	0.12	U	EPA 6010	1.0	0.12	04/29/16 09:54	04/29/16 17:20	1
Cadmium	ug/L	0.27	U	EPA 6020	0.50	0.27	04/29/16 09:48	04/30/16 17:14	1
Chromium	ug/L	0.35	U	EPA 6020	5.0	0.35	04/29/16 09:48	04/30/16 17:14	1
Cobalt	ug/L	10	U	EPA 6010	100	10	04/29/16 09:54	04/29/16 17:20	1
Copper	ug/L	0.13	U	EPA 6020	0.50	0.13	04/29/16 09:48	04/30/16 17:14	1
Lead	ug/L	0.25	U	EPA 6020	0.50	0.25	04/29/16 09:48	04/30/16 17:14	1
Nickel	ug/L	4.1	I	EPA 6020	5.0	0.46	04/29/16 09:48	04/30/16 17:14	1

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New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-24D 23444**
Matrix	**Groundwater**
SAL Sample Number	**1605207-17**
Date/Time Collected	**04/25/16 14:30**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/27/16 13:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Selenium	ug/L	2.4 I	EPA 6020	5.0	0.26	05/03/16 10:54	05/03/16 12:45	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	04/29/16 09:54	04/29/16 17:20	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	04/29/16 09:48	04/30/16 17:14	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	04/29/16 09:54	04/29/16 17:20	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	04/29/16 09:48	04/30/16 17:14	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 23443

Sampling Date/Time: 4/25/2016 @ 11:40

Well Name: 2MW-24S

Report Period: 2016 Quarter II

Classification of Groundwater: G-II

Well Purged: YES

Groundwater Elevation (NGVD): IFS

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7		IFS	mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7		"	ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B		"	ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11		"	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14		"	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12		"	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15		"	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16		"	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0		"	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C		"	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H		"	mg/L	0.04	mg/L
000620	Nitrate	"	No	SM 4500NO_3F		"	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No			"	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 23446

Sampling Date/Time: 4/26/2016 @ 10:00

Well Name: 2MW-25D

Report Period: 2016 Quarter II

Classification of Groundwater: G-II

Well Purged: YES

Groundwater Elevation (NGVD): 29.97

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	05/03/16 11:00	40.0	mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7	05/03/16 11:00	170	ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B	05/05/16 11:10	0.02 U	ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	04/26/16 10:00	7.03	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	04/26/16 10:00	25.50	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	04/26/16 10:00	544	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	04/26/16 10:00	1.04	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	04/26/16 10:00	17.4	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	04/26/16 16:20	87.0	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	04/28/16 11:40	436	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/29/16 10:20	0.05 I	mg/L	0.04	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	05/03/16 10:30	0.98	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		04/26/16 10:00	29.97	Feet NGVD		Feet NGVD

Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name PASCO COUNTY RESOURCE RECOVERY

Sample Description	2MW-25D 23446
Matrix	Groundwater
SAL Sample Number	1605207-10
Date/Time Collected	04/26/16 10:00
Collected by	Wilfred Martfeld
Date/Time Received	04/27/16 13:00

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 17:57	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 17:57	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 17:57	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 17:57	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 17:57	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 17:57	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/28/16 17:57	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 17:57	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 17:57	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 17:57	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 17:57	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/28/16 17:57	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/28/16 17:57	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/28/16 17:57	1
Acetone	ug/L	9.4	EPA 8260	4.0	2.0		04/28/16 17:57	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/28/16 17:57	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 17:57	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 17:57	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 17:57	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 17:57	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/28/16 17:57	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 17:57	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 17:57	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 17:57	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/28/16 17:57	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 17:57	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/28/16 17:57	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/28/16 17:57	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 17:57	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 17:57	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 17:57	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/28/16 17:57	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 17:57	1

Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-25D 23446**
Matrix	**Groundwater**
SAL Sample Number	**1605207-10**
Date/Time Collected	**04/26/16 10:00**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/27/16 13:00**

Parameters	Units	Results *		Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 17:57	1
Styrene	ug/L	0.05	U	EPA 8260	0.8	0.05		04/28/16 17:57	1
Tetrachloroethene	ug/L	0.1	U	EPA 8260	0.8	0.1		04/28/16 17:57	1
Toluene	ug/L	0.09	U	EPA 8260	0.8	0.09		04/28/16 17:57	1
trans-1,2-Dichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 17:57	1
trans-1,3-Dichloropropene	ug/L	0.1	U	EPA 8260	0.8	0.1		04/28/16 17:57	1
trans-1,4-Dichloro-2-butene	ug/L	0.3	U	EPA 8260	0.8	0.3		04/28/16 17:57	1
Trichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 17:57	1
Trichlorofluoromethane	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 17:57	1
Vinyl acetate	ug/L	0.4	U	EPA 8260	1.6	0.4		04/28/16 17:57	1
Vinyl chloride	ug/L	0.3	U	EPA 8260	1.6	0.3		04/28/16 17:57	1
Xylene-m,p	ug/L	0.2	U	EPA 8260	1.6	0.2		04/28/16 17:57	1
Xylene-o	ug/L	0.2	U	EPA 8260	0.8	0.2		04/28/16 17:57	1
Xylenes- Total	ug/L	0.1	U	EPA 8260	0.8	0.1		04/28/16 17:57	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*			*111 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*			*94 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*			*106 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*			*93 %*	*Limits*	*65-135*			
Pesticide Analyses									
1,2-Dibromo-3-chloropropane	ug/L	0.0052	U	EPA 8011	0.021	0.0052	04/27/16 17:09	04/28/16 00:43	1
1,2-Dibromoethane	ug/L	0.0052	U	EPA 8011	0.021	0.0052	04/27/16 17:09	04/28/16 00:43	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*			*99 %*	*Limits*	*82-126*			
Metals									
Antimony	ug/L	1.0	U	EPA 6020	50	1.0	05/03/16 10:54	05/03/16 12:15	1
Arsenic	ug/L	1.3	I	EPA 6020	5.0	0.93	04/29/16 09:48	04/30/16 16:23	1
Barium	ug/L	26	I	EPA 6010	100	5.0	04/29/16 09:54	04/29/16 16:38	1
Beryllium	ug/L	0.12	U	EPA 6010	1.0	0.12	04/29/16 09:54	04/29/16 16:38	1
Cadmium	ug/L	0.29	I	EPA 6020	0.50	0.27	04/29/16 09:48	04/30/16 16:23	1
Chromium	ug/L	0.35	U	EPA 6020	5.0	0.35	04/29/16 09:48	04/30/16 16:23	1
Cobalt	ug/L	10	U	EPA 6010	100	10	04/29/16 09:54	04/29/16 16:38	1
Copper	ug/L	0.39	I	EPA 6020	0.50	0.13	04/29/16 09:48	04/30/16 16:23	1
Lead	ug/L	0.25	U	EPA 6020	0.50	0.25	04/29/16 09:48	04/30/16 16:23	1
Nickel	ug/L	6.4		EPA 6020	5.0	0.46	04/29/16 09:48	04/30/16 16:23	1

SOUTHERN ANALYTICAL LABORATORIES, INC.
110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 FAX 813-855-2218

Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-25D 23446**
Matrix	**Groundwater**
SAL Sample Number	**1605207-10**
Date/Time Collected	**04/26/16 10:00**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/27/16 13:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Selenium	ug/L	2.7 I	EPA 6020	5.0	0.26	05/03/16 10:54	05/03/16 12:15	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	04/29/16 09:54	04/29/16 16:38	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	04/29/16 09:48	04/30/16 16:23	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	04/29/16 09:54	04/29/16 16:38	1
Zinc	ug/L	1.2 I	EPA 6020	5.0	0.88	04/29/16 09:48	04/30/16 16:23	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 23445

Sampling Date/Time: 04/25/2016 @ 15:15

Well Name: 2MW-25S

Report Period: 2016 Quarter II

Classification of Groundwater: G-II

Well Purged: YES

Groundwater Elevation (NGVD): DRY

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7		DRY	mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7		"	ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B		"	ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11		"	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14		"	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12		"	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15		"	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16		"	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0		"	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C		"	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H		"	mg/L	0.04	mg/L
000620	Nitrate	"	No	SM 4500NO_3F		"	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No			"	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 23448

Sampling Date/Time: 04/26/2016 @ 11:15

Well Name: 2MW-26D

Report Period: 2016 Quarter II

Classification of Groundwater: G-II

Well Purged: YES

Groundwater Elevation (NGVD): 30.39

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	05/03/16 11:00	27.6	mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7	05/03/16 11:00	143	ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B	05/05/16 11:10	0.02 U	ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	04/26/16 11:15	7.16	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	04/26/16 11:15	27.02	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	04/26/16 11:15	442	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	04/26/16 11:15	0.82	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	04/26/16 11:15	10.2	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	04/26/16 16:20	60.0	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	04/28/16 11:40	338	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/29/16 10:20	0.05 I	mg/L	0.04	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	05/03/16 10:30	0.32	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		04/26/16 11:15	30.39	Feet NGVD		Feet NGVD

Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name PASCO COUNTY RESOURCE RECOVERY

Sample Description	2MW-26D 23448
Matrix	Groundwater
SAL Sample Number	1605207-11
Date/Time Collected	04/26/16 11:15
Collected by	Wilfred Martfeld
Date/Time Received	04/27/16 13:00

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 18:30	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 18:30	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 18:30	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 18:30	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 18:30	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 18:30	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/28/16 18:30	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 18:30	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 18:30	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 18:30	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 18:30	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/28/16 18:30	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/28/16 18:30	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/28/16 18:30	1
Acetone	ug/L	3.6 I	EPA 8260	4.0	2.0		04/28/16 18:30	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/28/16 18:30	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 18:30	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 18:30	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 18:30	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 18:30	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/28/16 18:30	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 18:30	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 18:30	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 18:30	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/28/16 18:30	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 18:30	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/28/16 18:30	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/28/16 18:30	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 18:30	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 18:30	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 18:30	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/28/16 18:30	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 18:30	1

Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-26D 23448**
Matrix	**Groundwater**
SAL Sample Number	**1605207-11**
Date/Time Collected	**04/26/16 11:15**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/27/16 13:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 18:30	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		04/28/16 18:30	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 18:30	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/28/16 18:30	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 18:30	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 18:30	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		04/28/16 18:30	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 18:30	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 18:30	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		04/28/16 18:30	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		04/28/16 18:30	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		04/28/16 18:30	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		04/28/16 18:30	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		04/28/16 18:30	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*104 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*99 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*		*105 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*		*94 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0052 U	EPA 8011	0.021	0.0052	04/27/16 17:09	04/28/16 01:05	1
1,2-Dibromoethane	ug/L	0.0052 U	EPA 8011	0.021	0.0052	04/27/16 17:09	04/28/16 01:05	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*99 %*	*Limits*	*82-126*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	05/03/16 10:54	05/03/16 12:18	1
Arsenic	ug/L	1.0 I	EPA 6020	5.0	0.93	04/29/16 09:48	04/30/16 16:27	1
Barium	ug/L	21 I	EPA 6010	100	5.0	04/29/16 09:54	04/29/16 16:48	1
Beryllium	ug/L	0.12 U	EPA 6010	1.0	0.12	04/29/16 09:54	04/29/16 16:48	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	04/29/16 09:48	04/30/16 16:27	1
Chromium	ug/L	0.35 U	EPA 6020	5.0	0.35	04/29/16 09:48	04/30/16 16:27	1
Cobalt	ug/L	10 U	EPA 6010	100	10	04/29/16 09:54	04/29/16 16:48	1
Copper	ug/L	0.57	EPA 6020	0.50	0.13	04/29/16 09:48	04/30/16 16:27	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	04/29/16 09:48	04/30/16 16:27	1
Nickel	ug/L	4.7 I	EPA 6020	5.0	0.46	04/29/16 09:48	04/30/16 16:27	1

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Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-26D 23448**
Matrix	**Groundwater**
SAL Sample Number	**1605207-11**
Date/Time Collected	**04/26/16 11:15**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/27/16 13:00**

Parameters	Units	Results *		Method	PQL	MDL	Prepared	Analyzed	Dilution
Selenium	ug/L	2.1	I	EPA 6020	5.0	0.26	05/03/16 10:54	05/03/16 12:18	1
Silver	ug/L	1.1	U	EPA 6010	20	1.1	04/29/16 09:54	04/29/16 16:48	1
Thallium	ug/L	0.24	U	EPA 6020	0.50	0.24	04/29/16 09:48	04/30/16 16:27	1
Vanadium	ug/L	7.8	U	EPA 6010	10	7.8	04/29/16 09:54	04/29/16 16:48	1
Zinc	ug/L	2.0	I	EPA 6020	5.0	0.88	04/29/16 09:48	04/30/16 16:27	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 23447

Sampling Date/Time: 04/26/2016 @ 10:00

Well Name: 2MW-26S

Report Period: 2016 Quarter II

Classification of Groundwater: G-II

Well Purged: YES

Groundwater Elevation (NGVD): DRY

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7		DRY	mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7		"	ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B		"	ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11		"	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14		"	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12		"	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15		"	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16		"	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0		"	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C		"	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H		"	mg/L	0.04	mg/L
000620	Nitrate	"	No	SM 4500NO_3F		"	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No			"	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 23451

Sampling Date/Time: 04/28/2016 @ 10:50

Well Name: 4MW-27

Report Period: 2016 Quarter II

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 36.76

Well Type: BG

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	05/04/16 12:25	39.9	mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7	05/04/16 12:25	37.9	ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B	05/05/16 11:10	0.02 U	ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	04/28/16 10:50	7.81	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	04/28/16 10:50	25.01	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	04/28/16 10:50	248	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	04/28/16 10:50	1.01	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	04/28/16 10:50	0.0	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	05/11/16 8:20	107	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	05/04/16 14:55	444	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/29/16 14:20	0.05 I	mg/L	0.04	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	05/03/16 10:30	0.54	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		04/28/16 10:50	36.76	Feet NGVD		Feet NGVD

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New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-27 23451**
Matrix	**Groundwater**
SAL Sample Number	**1605207-20**
Date/Time Collected	**04/28/16 10:50**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/29/16 11:30**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:24	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:24	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:24	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:24	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:24	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:24	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		05/12/16 12:24	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		05/12/16 12:24	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		05/12/16 12:24	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:24	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:24	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		05/12/16 12:24	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		05/12/16 12:24	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		05/12/16 12:24	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		05/12/16 12:24	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		05/12/16 12:24	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		05/12/16 12:24	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		05/12/16 12:24	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:24	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:24	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		05/12/16 12:24	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:24	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:24	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		05/12/16 12:24	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		05/12/16 12:24	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:24	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		05/12/16 12:24	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		05/12/16 12:24	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:24	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		05/12/16 12:24	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:24	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		05/12/16 12:24	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:24	1

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New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-27 23451**
Matrix	**Groundwater**
SAL Sample Number	**1605207-20**
Date/Time Collected	**04/28/16 10:50**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/29/16 11:30**

Parameters	Units	Results *		Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2	U	EPA 8260	0.8	0.2		05/12/16 12:24	1
Styrene	ug/L	0.05	U	EPA 8260	0.8	0.05		05/12/16 12:24	1
Tetrachloroethene	ug/L	0.1	U	EPA 8260	0.8	0.1		05/12/16 12:24	1
Toluene	ug/L	0.09	U	EPA 8260	0.8	0.09		05/12/16 12:24	1
trans-1,2-Dichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		05/12/16 12:24	1
trans-1,3-Dichloropropene	ug/L	0.1	U	EPA 8260	0.8	0.1		05/12/16 12:24	1
trans-1,4-Dichloro-2-butene	ug/L	0.3	U	EPA 8260	0.8	0.3		05/12/16 12:24	1
Trichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		05/12/16 12:24	1
Trichlorofluoromethane	ug/L	0.2	U	EPA 8260	0.8	0.2		05/12/16 12:24	1
Vinyl acetate	ug/L	0.4	U	EPA 8260	1.6	0.4		05/12/16 12:24	1
Vinyl chloride	ug/L	0.3	U	EPA 8260	1.6	0.3		05/12/16 12:24	1
Xylene-m,p	ug/L	0.2	U	EPA 8260	1.6	0.2		05/12/16 12:24	1
Xylene-o	ug/L	0.2	U	EPA 8260	0.8	0.2		05/12/16 12:24	1
Xylenes- Total	ug/L	0.1	U	EPA 8260	0.8	0.1		05/12/16 12:24	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*			*103 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*			*104 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*			*102 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*			*98 %*	*Limits*	*65-135*			
Pesticide Analyses									
1,2-Dibromo-3-chloropropane	ug/L	0.0052	U	EPA 8011	0.021	0.0052	05/06/16 11:20	05/06/16 17:43	1
1,2-Dibromoethane	ug/L	0.0052	U	EPA 8011	0.021	0.0052	05/06/16 11:20	05/06/16 17:43	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*			*102 %*	*Limits*	*82-126*			
Metals									
Antimony	ug/L	1.0	U	EPA 6020	50	1.0	05/05/16 08:17	05/05/16 09:13	1
Arsenic	ug/L	1.2	I	EPA 6020	5.0	0.93	05/04/16 09:17	05/05/16 11:49	1
Barium	ug/L	23	I	EPA 6010	100	5.0	05/04/16 09:25	05/04/16 15:20	1
Beryllium	ug/L	0.12	U	EPA 6010	1.0	0.12	05/04/16 09:25	05/04/16 15:20	1
Cadmium	ug/L	0.27	U	EPA 6020	0.50	0.27	05/04/16 09:17	05/05/16 11:49	1
Chromium	ug/L	0.35	U	EPA 6020	5.0	0.35	05/04/16 09:17	05/05/16 11:49	1
Cobalt	ug/L	10	U	EPA 6010	100	10	05/04/16 09:25	05/04/16 15:20	1
Copper	ug/L	0.39	I	EPA 6020	0.50	0.13	05/04/16 09:17	05/05/16 11:49	1
Lead	ug/L	0.25	U	EPA 6020	0.50	0.25	05/04/16 09:17	05/05/16 11:49	1
Nickel	ug/L	5.0		EPA 6020	5.0	0.46	05/04/16 09:17	05/05/16 11:49	1

Florida Certification Number: E84129
NELAP Accredited

Francis I. Daniels, Laboratory Director
Leslie C. Boardman, Q.A. Manager

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May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-27 23451**
Matrix	**Groundwater**
SAL Sample Number	**1605207-20**
Date/Time Collected	**04/28/16 10:50**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/29/16 11:30**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Selenium	ug/L	2.7 I	EPA 6020	5.0	0.26	05/05/16 08:17	05/05/16 09:13	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	05/04/16 09:25	05/04/16 15:20	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	05/04/16 09:17	05/05/16 11:49	1
Vanadium	ug/L	19	EPA 6010	10	7.8	05/04/16 09:25	05/04/16 15:20	1
Zinc	ug/L	2.6 I	EPA 6020	5.0	0.88	05/04/16 09:17	05/05/16 11:49	1

PART III ANALYTICAL RESULTS

Facility ID#: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 23449

Sampling Date/Time: 04/28/2016 @ 08:55

Well Name: 2MW-27S

Report Period: 2016 Quarter II

Classification of Groundwater:

Well Purged: YES

Groundwater Elevation (NGVD): DRY

Well Type: BG

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7		DRY	mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7		"	ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B		"	ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11		"	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14		"	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12		"	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15		"	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16		"	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0		"	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C		"	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H		"	mg/L	0.04	mg/L
000620	Nitrate	"	No	SM 4500NO_3F		"	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No			"	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 23450

Sampling Date/Time: 04/28/2016 @ 13:25

Well Name: 2MW-27D

Report Period: 2016 Quarter II

Classification of Groundwater:

Well Purged: YES

Groundwater Elevation (NGVD): 31.68

Well Type: BG

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	05/04/16 12:25	50.6	mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7	05/04/16 12:25	578	ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B	05/05/16 11:10	0.02 U	ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	04/28/16 13:25	7.59	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	04/28/16 13:25	26.14	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	04/28/16 13:25	341	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	04/28/16 13:25	1.00	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	04/28/16 13:25	10.7	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	05/11/16 8:20	120	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	05/04/16 14:55	480	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/29/16 14:20	0.04 I	mg/L	0.04	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	05/03/16 10:30	1.35	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		04/28/16 13:25	31.68	Feet NGVD		Feet NGVD

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May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-27D 23450**
Matrix	**Groundwater**
SAL Sample Number	**1605207-22**
Date/Time Collected	**04/28/16 13:25**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/29/16 11:30**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 13:27	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 13:27	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 13:27	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 13:27	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 13:27	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 13:27	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		05/12/16 13:27	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		05/12/16 13:27	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		05/12/16 13:27	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 13:27	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 13:27	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		05/12/16 13:27	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		05/12/16 13:27	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		05/12/16 13:27	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		05/12/16 13:27	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		05/12/16 13:27	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		05/12/16 13:27	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		05/12/16 13:27	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 13:27	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 13:27	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		05/12/16 13:27	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 13:27	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 13:27	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		05/12/16 13:27	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		05/12/16 13:27	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 13:27	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		05/12/16 13:27	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		05/12/16 13:27	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 13:27	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		05/12/16 13:27	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 13:27	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		05/12/16 13:27	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 13:27	1

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Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-27D 23450**
Matrix	**Groundwater**
SAL Sample Number	**1605207-22**
Date/Time Collected	**04/28/16 13:25**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/29/16 11:30**

Parameters	Units	Results *		Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2	U	EPA 8260	0.8	0.2		05/12/16 13:27	1
Styrene	ug/L	0.05	U	EPA 8260	0.8	0.05		05/12/16 13:27	1
Tetrachloroethene	ug/L	0.1	U	EPA 8260	0.8	0.1		05/12/16 13:27	1
Toluene	ug/L	0.09	U	EPA 8260	0.8	0.09		05/12/16 13:27	1
trans-1,2-Dichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		05/12/16 13:27	1
trans-1,3-Dichloropropene	ug/L	0.1	U	EPA 8260	0.8	0.1		05/12/16 13:27	1
trans-1,4-Dichloro-2-butene	ug/L	0.3	U	EPA 8260	0.8	0.3		05/12/16 13:27	1
Trichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		05/12/16 13:27	1
Trichlorofluoromethane	ug/L	0.2	U	EPA 8260	0.8	0.2		05/12/16 13:27	1
Vinyl acetate	ug/L	0.4	U	EPA 8260	1.6	0.4		05/12/16 13:27	1
Vinyl chloride	ug/L	0.3	U	EPA 8260	1.6	0.3		05/12/16 13:27	1
Xylene-m,p	ug/L	0.2	U	EPA 8260	1.6	0.2		05/12/16 13:27	1
Xylene-o	ug/L	0.2	U	EPA 8260	0.8	0.2		05/12/16 13:27	1
Xylenes- Total	ug/L	0.1	U	EPA 8260	0.8	0.1		05/12/16 13:27	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*			*98 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*			*105 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*			*102 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*			*99 %*	*Limits*	*65-135*			
Pesticide Analyses									
1,2-Dibromo-3-chloropropane	ug/L	0.0052	U	EPA 8011	0.021	0.0052	05/06/16 11:20	05/06/16 18:28	1
1,2-Dibromoethane	ug/L	0.0052	U	EPA 8011	0.021	0.0052	05/06/16 11:20	05/06/16 18:28	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*			*97 %*	*Limits*	*82-126*			
Metals									
Antimony	ug/L	1.0	U	EPA 6020	50	1.0	05/05/16 08:17	05/05/16 09:24	1
Arsenic	ug/L	1.0	I	EPA 6020	5.0	0.93	05/04/16 09:17	05/05/16 12:18	1
Barium	ug/L	36	I	EPA 6010	100	5.0	05/04/16 09:25	05/04/16 15:34	1
Beryllium	ug/L	0.12	U	EPA 6010	1.0	0.12	05/04/16 09:25	05/04/16 15:34	1
Cadmium	ug/L	0.27	U	EPA 6020	0.50	0.27	05/04/16 09:17	05/05/16 12:18	1
Chromium	ug/L	0.42	I	EPA 6020	5.0	0.35	05/04/16 09:17	05/05/16 12:18	1
Cobalt	ug/L	10	U	EPA 6010	100	10	05/04/16 09:25	05/04/16 15:34	1
Copper	ug/L	0.71		EPA 6020	0.50	0.13	05/04/16 09:17	05/05/16 12:18	1
Lead	ug/L	0.29	I	EPA 6020	0.50	0.25	05/04/16 09:17	05/05/16 12:18	1
Nickel	ug/L	7.2		EPA 6020	5.0	0.46	05/04/16 09:17	05/05/16 12:18	1

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Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-27D 23450**
Matrix	**Groundwater**
SAL Sample Number	**1605207-22**
Date/Time Collected	**04/28/16 13:25**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/29/16 11:30**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Selenium	ug/L	2.7 I	EPA 6020	5.0	0.26	05/05/16 08:17	05/05/16 09:24	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	05/04/16 09:25	05/04/16 15:34	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	05/04/16 09:17	05/05/16 12:18	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	05/04/16 09:25	05/04/16 15:34	1
Zinc	ug/L	3.4 I	EPA 6020	5.0	0.88	05/04/16 09:17	05/05/16 12:18	1

Florida Certification Number: E84129
NELAP Accredited

Francis I. Daniels, Laboratory Director
Leslie C. Boardman, Q.A. Manager

PART III ANALYTICAL RESULTS

Facility ID#: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 23452

Sampling Date/Time: 04/28/2016 @ 12:30

Well Name: 4MW-27D

Report Period: 2016 Quarter II

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 31.75

Well Type: BG

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	05/04/16 12:25	3.48	mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7	05/04/16 12:25	63.8	ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B	05/05/16 11:10	0.02 U	ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	04/28/16 12:30	7.72	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	04/28/16 12:30	24.11	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	04/28/16 12:30	337	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	04/28/16 12:30	0.85	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	04/28/16 12:30	0.5	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	05/11/16 8:20	5.13	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	05/04/16 14:55	154	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/29/16 14:20	0.20 I	mg/L	0.04	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	05/03/16 10:30	0.03 I	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		04/28/16 12:30	31.75	Feet NGVD		Feet NGVD

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May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-27D 23452**
Matrix	**Groundwater**
SAL Sample Number	**1605207-21**
Date/Time Collected	**04/28/16 12:30**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/29/16 11:30**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:55	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:55	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:55	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:55	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:55	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:55	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		05/12/16 12:55	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		05/12/16 12:55	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		05/12/16 12:55	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:55	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:55	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		05/12/16 12:55	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		05/12/16 12:55	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		05/12/16 12:55	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		05/12/16 12:55	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		05/12/16 12:55	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		05/12/16 12:55	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		05/12/16 12:55	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:55	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:55	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		05/12/16 12:55	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:55	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:55	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		05/12/16 12:55	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		05/12/16 12:55	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:55	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		05/12/16 12:55	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		05/12/16 12:55	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:55	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		05/12/16 12:55	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:55	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		05/12/16 12:55	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:55	1

Pasco County Environmental Laboratory
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New Port Richey, FL 34654

May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-27D 23452**
Matrix	**Groundwater**
SAL Sample Number	**1605207-21**
Date/Time Collected	**04/28/16 12:30**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/29/16 11:30**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:55	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		05/12/16 12:55	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		05/12/16 12:55	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		05/12/16 12:55	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:55	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		05/12/16 12:55	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		05/12/16 12:55	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:55	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:55	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		05/12/16 12:55	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		05/12/16 12:55	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		05/12/16 12:55	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		05/12/16 12:55	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		05/12/16 12:55	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*94 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*101 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*		*106 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*		*99 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0051 U	EPA 8011	0.020	0.0051	05/06/16 11:20	05/06/16 18:05	1
1,2-Dibromoethane	ug/L	0.0051 U	EPA 8011	0.020	0.0051	05/06/16 11:20	05/06/16 18:05	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*99 %*	*Limits*	*82-126*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	05/05/16 08:17	05/05/16 09:22	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	05/04/16 09:17	05/05/16 11:54	1
Barium	ug/L	12 I	EPA 6010	100	5.0	05/04/16 09:25	05/04/16 15:30	1
Beryllium	ug/L	0.12 U	EPA 6010	1.0	0.12	05/04/16 09:25	05/04/16 15:30	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	05/04/16 09:17	05/05/16 11:54	1
Chromium	ug/L	0.35 U	EPA 6020	5.0	0.35	05/04/16 09:17	05/05/16 11:54	1
Cobalt	ug/L	10 U	EPA 6010	100	10	05/04/16 09:25	05/04/16 15:30	1
Copper	ug/L	0.15 I	EPA 6020	0.50	0.13	05/04/16 09:17	05/05/16 11:54	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	05/04/16 09:17	05/05/16 11:54	1
Nickel	ug/L	1.5 I	EPA 6020	5.0	0.46	05/04/16 09:17	05/05/16 11:54	1

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May 16, 2016
Work Order: 1605207

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-27D 23452**
Matrix	**Groundwater**
SAL Sample Number	**1605207-21**
Date/Time Collected	**04/28/16 12:30**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/29/16 11:30**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Selenium	ug/L	0.50 I	EPA 6020	5.0	0.26	05/05/16 08:17	05/05/16 09:22	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	05/04/16 09:25	05/04/16 15:30	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	05/04/16 09:17	05/05/16 11:54	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	05/04/16 09:25	05/04/16 15:30	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	05/04/16 09:17	05/05/16 11:54	1

PASCO COUNTY, FLORIDA

"Bringing Opportunities Home"

Pasco County Utilities Environmental Laboratory Report

8864 Government Drive
New Port Richey, FL 34654
Phone: (727) 847-8902 Fax: (727) 847-8112
Contacts: Gloria Krueger, Senior Secretary
Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Report Date: 5/2/2016

Sample Number:	**AC37552**	Sample ID:	4MW4 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/12/2016	Date Received:	4/12/2016
Time Sampled:	10:44	Time Received:	15:15
Sampled By:	WMM	Received By:	JB
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/12/2016	10:44	WMM	284	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	4/12/2016	10:44	WMM	1.03	D	mg/L	0.1
pH Field	FDEP FT 1100	4/12/2016	10:44	WMM	7.29	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/12/2016	10:44	WMM	24.18	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/12/2016	10:44	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/12/2016	10:44	WMM	27.21	D	Ft.	0
Iron (Fe)	EPA 200.7	4/14/2016	10:50	TER	36.3		ug/L	1.4
Mercury (Hg)	SM 3112 B	4/19/2016	11:15	TER	0.02	U	ug/L	0.02
Sodium (Na)	EPA 200.7	4/14/2016	10:50	TER	7.36		mg/L	0.03
Ammonia (N)	SM 4500-NH3 G	4/29/2016	10:20	KS	0.04	U	mg/L	0.04
Nitrate (N)	EPA 300.0	4/12/2016	15:30	AS	0.36		mg/L	0.04
Color by Observation	Observation	4/12/2016	10:44	WMM	CLEAR	D	ObsColor	0

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.
I = Reported value is greater than or equal to the detection limit, but less than PQL.
XC = Reported value exceeds the Maximum Contaminant Level (F.A.C. 62-550).
MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Director

This Document Meets All the Requirements of the 2003 NELAC Standards

"Pasco County—Florida's premier county for balanced economic growth, environmental sustainability, and first class service."

NELAC Certification: E44123
EPA Lab Code: FL00137

PASCO COUNTY, FLORIDA

"Bringing Opportunities Home"

Pasco County Utilities Environmental Laboratory Report

8864 Government Drive
New Port Richey, FL 34654
Phone: (727) 847-8902 Fax: (727) 847-8112
Contacts: Gloria Krueger, Senior Secretary
Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Report Date: 5/2/2016

Sample Number:	**AC37552**	Sample ID:	4MW4 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/12/2016	Date Received:	4/12/2016
Time Sampled:	10:44	Time Received:	15:15
Sampled By:	WMM	Received By:	JB
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Total Dissolved Solids	SM 2540 C	4/15/2016	10:15	AMC	248		mg/L	0.1
Chloride	EPA 300.0	4/12/2016	15:30	AS	16.6		mg/L	0.10

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.
I = Reported value is greater than or equal to the detection limit, but less than PQL.
XC = Reported value exceeds the Maximum Contaminant Level (F.A.C. 62-550).
MCL=Maximum Contaminant Level

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Report Date: 5/2/2016

Sample Number:	**AC37553**	Sample ID:	4MW6 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/12/2016	Date Received:	4/12/2016
Time Sampled:	14:15	Time Received:	15:15
Sampled By:	WMM	Received By:	JB
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/12/2016	14:15	WMM	182	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	4/12/2016	14:15	WMM	1.14	D	mg/L	0.1
pH Field	FDEP FT 1100	4/12/2016	14:15	WMM	7.53	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/12/2016	14:15	WMM	25.15	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/12/2016	14:15	WMM	0.8	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/12/2016	14:15	WMM	31.65	D	Ft.	0
Iron (Fe)	EPA 200.7	4/14/2016	10:50	TER	3.1	I	ug/L	1.4
Mercury (Hg)	SM 3112 B	4/19/2016	11:15	TER	0.02	U	ug/L	0.02
Sodium (Na)	EPA 200.7	4/14/2016	10:50	TER	2.56		mg/L	0.03
Ammonia (N)	SM 4500-NH3 G	4/29/2016	10:20	KS	0.17		mg/L	0.04
Nitrate (N)	EPA 300.0	4/12/2016	15:30	AS	0.60		mg/L	0.04
Color by Observation	Observation	4/12/2016	14:15	WMM	CLEAR	D	ObsColor	0

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Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Report Date: 5/2/2016

Sample Number:	**AC37553**	Sample ID:	4MW6 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/12/2016	Date Received:	4/12/2016
Time Sampled:	14:15	Time Received:	15:15
Sampled By:	WMM	Received By:	JB
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Total Dissolved Solids	SM 2540 C	4/15/2016	10:15	AMC	84		mg/L	0.1
Chloride	EPA 300.0	4/12/2016	15:30	AS	4.51		mg/L	0.10

Analysis Comments:

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Resource Recovery
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Havs Road
Shady Hills, Fl
John Power

Report Date: 5/2/2016

Sample Number:	**AC37639**	Sample ID:	4MW11D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/13/2016	Date Received:	4/13/2016
Time Sampled:	9:50	Time Received:	14:00
Sampled By:	WMM	Received By:	FC
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/13/2016	9:50	WMM	186	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	4/13/2016	9:50	WMM	1.08	D	mg/L	0.1
pH Field	FDEP FT 1100	4/13/2016	9:50	WMM	7.38	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/13/2016	9:50	WMM	23.03	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/13/2016	9:50	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/13/2016	9:50	WMM	30.83	D	Ft.	0
Iron (Fe)	EPA 200.7	4/14/2016	10:50	TER	70.5		ug/L	1.4
Mercury (Hg)	SM 3112 B	4/19/2016	11:15	TER	0.02	U	ug/L	0.02
Sodium (Na)	EPA 200.7	4/14/2016	10:50	TER	7.96		mg/L	0.03
Ammonia (N)	SM 4500-NH3 G	4/29/2016	10:20	KS	0.04	U	mg/L	0.04
Nitrate (N)	EPA 300.0	4/13/2016	15:50	AS	0.59		mg/L	0.04
Color by Observation	Observation	4/13/2016	9:50	WMM	CLEAR	D	ObsColor	0

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

Report Date: 5/2/2016

Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Sample Number:	**AC37639**	Sample ID:	4MW11D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/13/2016	Date Received:	4/13/2016
Time Sampled:	9:50	Time Received:	14:00
Sampled By:	WMM	Received By:	FC
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Total Dissolved Solids	SM 2540 C	4/15/2016	10:15	AMC	214		mg/L	0.1
Chloride	EPA 300.0	4/13/2016	15:50	AS	26.4		mg/L	0.10

Analysis Comments:

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Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Report Date: 5/2/2016

Sample Number:	**AC37640**	Sample ID:	4MW12D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/13/2016	Date Received:	4/13/2016
Time Sampled:	10:40	Time Received:	14:00
Sampled By:	WMM	Received By:	FC
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/13/2016	10:40	WMM	299	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	4/13/2016	10:40	WMM	0.98	D	mg/L	0.1
pH Field	FDEP FT 1100	4/13/2016	10:40	WMM	7.40	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/13/2016	10:40	WMM	25.29	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/13/2016	10:40	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/13/2016	10:40	WMM	29.98	D	Ft.	0
Iron (Fe)	EPA 200.7	4/14/2016	10:50	TER	5.1	I	ug/L	1.4
Mercury (Hg)	SM 3112 B	4/19/2016	11:15	TER	0.02	U	ug/L	0.02
Sodium (Na)	EPA 200.7	4/14/2016	10:50	TER	7.77		mg/L	0.03
Ammonia (N)	SM 4500-NH3 G	4/29/2016	10:20	KS	0.04	U	mg/L	0.04
Nitrate (N)	EPA 300.0	4/13/2016	15:50	AS	0.78		mg/L	0.04
Color by Observation	Observation	4/13/2016	10:40	WMM	CLEAR	D	ObsColor	0

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Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Report Date: 5/2/2016

Sample Number:	**AC37640**	Sample ID:	4MW12D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/13/2016	Date Received:	4/13/2016
Time Sampled:	10:40	Time Received:	14:00
Sampled By:	WMM	Received By:	FC
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Total Dissolved Solids	SM 2540 C	4/15/2016	10:15	AMC	250		mg/L	0.1
Chloride	EPA 300.0	4/13/2016	15:50	AS	34.1		mg/L	0.10

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Report Date: 5/2/2016

Sample Number:	**AC37641**	Sample ID:	4MW13D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/13/2016	Date Received:	4/13/2016
Time Sampled:	11:40	Time Received:	14:00
Sampled By:	WMM	Received By:	FC
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/13/2016	11:40	WMM	304	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	4/13/2016	11:40	WMM	1.06	D	mg/L	0.1
pH Field	FDEP FT 1100	4/13/2016	11:40	WMM	7.54	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/13/2016	11:40	WMM	26.80	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/13/2016	11:40	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/13/2016	11:40	WMM	29.45	D	Ft.	0
Iron (Fe)	EPA 200.7	4/14/2016	10:50	TER	18.0		ug/L	1.4
Mercury (Hg)	SM 3112 B	4/19/2016	11:15	TER	0.04	I	ug/L	0.02
Sodium (Na)	EPA 200.7	4/14/2016	10:50	TER	9.25		mg/L	0.03
Ammonia (N)	SM 4500-NH3 G	4/29/2016	10:20	KS	0.04	I	mg/L	0.04
Nitrate (N)	EPA 300.0	4/13/2016	15:50	AS	0.05	I	mg/L	0.04
Color by Observation	Observation	4/13/2016	11:40	WMM	CLEAR	D	ObsColor	0

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Report Date: 5/2/2016

Sample Number:	**AC37641**	Sample ID:	4MW13D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/13/2016	Date Received:	4/13/2016
Time Sampled:	11:40	Time Received:	14:00
Sampled By:	WMM	Received By:	FC
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Total Dissolved Solids	SM 2540 C	4/15/2016	10:15	AMC	262		mg/L	0.1
Chloride	EPA 300.0	4/13/2016	15:50	AS	23.4		mg/L	0.10

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Report Date: 5/4/2016

Sample Number:	**AC37700**	Sample ID:	2MW19D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/14/2016	Date Received:	4/14/2016
Time Sampled:	11:40	Time Received:	16:02
Sampled By:	WMM	Received By:	FC
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/14/2016	11:40	WMM	596	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	4/14/2016	11:40	WMM	1.02	D	mg/L	0.1
pH Field	FDEP FT 1100	4/14/2016	11:40	WMM	6.71	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/14/2016	11:40	WMM	26.02	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/14/2016	11:40	WMM	54.6	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/14/2016	11:40	WMM	27.88	D	Ft.	0
Iron (Fe)	EPA 200.7	4/22/2016	15:51	TER	925		ug/L	1.4
Mercury (Hg)	SM 3112 B	4/19/2016	11:15	TER	1.99		ug/L	0.02
Sodium (Na)	EPA 200.7	4/22/2016	11:50	TER	6.48		mg/L	0.03
Ammonia (N)	SM 4500-NH3 G	4/29/2016	10:20	KS	0.04	U	mg/L	0.04
Nitrate (N)	SM 4500-NO3 F	5/3/2016	10:30	KS	0.21		mg/L	0.03
Color by Observation	Observation	4/14/2016	11:40	WMM	CLOUDY	D	ObsColor	0

Analysis Comments:

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Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Report Date: 5/4/2016

Sample Number:	**AC37700**	Sample ID:	2MW19D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/14/2016	Date Received:	4/14/2016
Time Sampled:	11:40	Time Received:	16:02
Sampled By:	WMM	Received By:	FC
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Total Dissolved Solids	SM 2540 C	4/15/2016	10:15	AMC	278		mg/L	0.1
Chloride	EPA 300.0	4/26/2016	8:20	AS	45.4		mg/L	0.10

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Report Date: 5/4/2016

Sample Number:	**AC37701**	Sample ID:	2MW18D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/14/2016	Date Received:	4/14/2016
Time Sampled:	13:00	Time Received:	16:02
Sampled By:	WMM	Received By:	FC
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/14/2016	13:00	WMM	300	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	4/14/2016	13:00	WMM	0.93	D	mg/L	0.1
pH Field	FDEP FT 1100	4/14/2016	13:00	WMM	7.01	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/14/2016	13:00	WMM	25.08	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/14/2016	13:00	WMM	2.4	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/14/2016	13:00	WMM	27.15	D	Ft.	0
Iron (Fe)	EPA 200.7	4/22/2016	15:51	TER	50.1		ug/L	1.4
Mercury (Hg)	SM 3112 B	4/19/2016	11:15	TER	0.03	I	ug/L	0.02
Sodium (Na)	EPA 200.7	4/22/2016	11:50	TER	10.7		mg/L	0.03
Ammonia (N)	SM 4500-NH3 G	4/29/2016	10:20	KS	0.04	I	mg/L	0.04
Nitrate (N)	SM 4500-NO3 F	5/3/2016	10:30	KS	0.50		mg/L	0.03
Color by Observation	Observation	4/14/2016	13:00	WMM	CLEAR	D	ObsColor	0

Analysis Comments:

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XC = Reported value exceeds the Maximum Contaminant Level (F.A.C. 62-550).
MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Director

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NELAC Certification: E44123
EPA Lab Code: FL00137

PASCO COUNTY, FLORIDA

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Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Report Date: 5/4/2016

Sample Number:	**AC37701**	Sample ID:	2MW18D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/14/2016	Date Received:	4/14/2016
Time Sampled:	13:00	Time Received:	16:02
Sampled By:	WMM	Received By:	FC
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Total Dissolved Solids	SM 2540 C	4/20/2016	15:10	AMC	308		mg/L	0.1
Chloride	EPA 300.0	4/26/2016	8:20	AS	31.9		mg/L	0.10

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Report Date: 5/4/2016

Sample Number:	**AC37702**	Sample ID:	4MW2 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/14/2016	Date Received:	4/14/2016
Time Sampled:	15:20	Time Received:	16:02
Sampled By:	WMM	Received By:	FC
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/14/2016	15:20	WMM	203	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	4/14/2016	15:20	WMM	1.05	D	mg/L	0.1
pH Field	FDEP FT 1100	4/14/2016	15:20	WMM	7.85	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/14/2016	15:20	WMM	26.54	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/14/2016	15:20	WMM	1.8	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/14/2016	15:20	WMM	34.13	D	Ft.	0
Iron (Fe)	EPA 200.7	4/22/2016	15:51	TER	3.5	I	ug/L	1.4
Mercury (Hg)	SM 3112 B	4/19/2016	11:15	TER	0.02	U	ug/L	0.02
Sodium (Na)	EPA 200.7	4/22/2016	11:50	TER	2.84		mg/L	0.03
Ammonia (N)	SM 4500-NH3 G	4/29/2016	10:20	KS	0.04	U	mg/L	0.04
Nitrate (N)	SM 4500-NO3 F	5/3/2016	10:30	KS	1.11		mg/L	0.03
Color by Observation	Observation	4/14/2016	15:20	WMM	CLEAR	D	ObsColor	0

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Report Date: 5/4/2016

Sample Number:	**AC37702**	Sample ID:	4MW2 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/14/2016	Date Received:	4/14/2016
Time Sampled:	15:20	Time Received:	16:02
Sampled By:	WMM	Received By:	FC
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Total Dissolved Solids	SM 2540 C	4/20/2016	15:10	AMC	134		mg/L	0.1
Chloride	EPA 300.0	4/26/2016	8:20	AS	5.70		mg/L	0.10

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Report Date: 5/4/2016

Sample Number:	**AC37703**	Sample ID:	2MW2 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/14/2016	Date Received:	4/14/2016
Time Sampled:	13:50	Time Received:	16:02
Sampled By:	WMM	Received By:	FC
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/14/2016	13:50	WMM	181	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	4/14/2016	13:50	WMM	1.03	D	mg/L	0.1
pH Field	FDEP FT 1100	4/14/2016	13:50	WMM	7.78	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/14/2016	13:50	WMM	25.63	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/14/2016	13:50	WMM	4.2	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/14/2016	13:50	WMM	34.70	D	Ft.	0
Iron (Fe)	EPA 200.7	4/22/2016	15:51	TER	124		ug/L	1.4
Mercury (Hg)	SM 3112 B	4/19/2016	11:15	TER	0.04	I	ug/L	0.02
Sodium (Na)	EPA 200.7	4/22/2016	11:50	TER	3.64		mg/L	0.03
Ammonia (N)	SM 4500-NH3 G	4/29/2016	10:20	KS	0.04	U	mg/L	0.04
Nitrate (N)	SM 4500-NO3 F	5/3/2016	10:30	KS	5.09		mg/L	0.03
Color by Observation	Observation	4/14/2016	13:50	WMM	CLEAR	D	ObsColor	0

Analysis Comments:

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Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Report Date: 5/4/2016

Sample Number:	**AC37703**	Sample ID:	2MW2 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/14/2016	Date Received:	4/14/2016
Time Sampled:	13:50	Time Received:	16:02
Sampled By:	WMM	Received By:	FC
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Total Dissolved Solids	SM 2540 C	4/20/2016	15:10	AMC	86		mg/L	0.1
Chloride	EPA 300.0	4/26/2016	8:20	AS	8.42		mg/L	0.10

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Report Date: 5/17/2016

Sample Number:	**AC38192**	Sample ID:	2MW17S @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/27/2016	Date Received:	4/27/2016
Time Sampled:	14:00	Time Received:	15:30
Sampled By:	WMM	Received By:	JB
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/27/2016	14:00	WMM	243	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	4/27/2016	14:00	WMM	1.10	D	mg/L	0.1
pH Field	FDEP FT 1100	4/27/2016	14:00	WMM	6.29	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/27/2016	14:00	WMM	26.78	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/27/2016	14:00	WMM	24.6	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/27/2016	14:00	WMM	26.93	D	Ft.	0
Iron (Fe)	EPA 200.7	5/3/2016	11:00	TER	132		ug/L	1.4
Mercury (Hg)	SM 3112 B	5/5/2016	11:10	TER	0.02	U	ug/L	0.02
Sodium (Na)	EPA 200.7	5/3/2016	11:00	TER	2.38		mg/L	0.03
Ammonia (N)	SM 4500-NH3 G	4/29/2016	14:20	KS	0.14	I	mg/L	0.04
Nitrate (N)	SM 4500-NO3 F	5/3/2016	10:30	KS	4.13		mg/L	0.03
Color by Observation	Observation	4/27/2016	14:00	WMM	CLOUDY	D	ObsColor	0

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Report Date: 5/17/2016

Sample Number:	**AC38192**	Sample ID:	2MW17S @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/27/2016	Date Received:	4/27/2016
Time Sampled:	14:00	Time Received:	15:30
Sampled By:	WMM	Received By:	JB
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Total Dissolved Solids	SM 2540 C	4/28/2016	11:40	AMC	130		mg/L	0.1
Chloride	EPA 300.0	5/11/2016	8:20	AS	13.5		mg/L	0.10

Analysis Comments:

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Report Date: 5/17/2016

Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Sample Number:	**AC38193**	Sample ID:	2MW15DA @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/27/2016	Date Received:	4/27/2016
Time Sampled:	15:10	Time Received:	15:30
Sampled By:	WMM	Received By:	JB
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/27/2016	15:10	WMM	241	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	4/27/2016	15:10	WMM	1.19	D	mg/L	0.1
pH Field	FDEP FT 1100	4/27/2016	15:10	WMM	7.74	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/27/2016	15:10	WMM	27.01	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/27/2016	15:10	WMM	33.6	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/27/2016	15:10	WMM	33.23	D	Ft.	0
Iron (Fe)	EPA 200.7	5/3/2016	11:00	TER	374		ug/L	1.4
Mercury (Hg)	SM 3112 B	5/5/2016	11:10	TER	0.02	U	ug/L	0.02
Sodium (Na)	EPA 200.7	5/3/2016	11:00	TER	4.37		mg/L	0.03
Ammonia (N)	SM 4500-NH3 G	4/29/2016	14:20	KS	0.05	I	mg/L	0.04
Nitrate (N)	SM 4500-NO3 F	5/3/2016	10:30	KS	0.18		mg/L	0.03
Color by Observation	Observation	4/27/2016	15:10	WMM	CLOUDY	D	ObsColor	0

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Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Report Date: 5/17/2016

Sample Number:	**AC38193**	Sample ID:	2MW15DA @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/27/2016	Date Received:	4/27/2016
Time Sampled:	15:10	Time Received:	15:30
Sampled By:	WMM	Received By:	JB
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Total Dissolved Solids	SM 2540 C	4/28/2016	11:40	AMC	172		mg/L	0.1
Chloride	EPA 300.0	5/11/2016	8:20	AS	9.23		mg/L	0.10

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.
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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Report Date: 5/17/2016

Sample Number:	**AC38259**	Sample ID:	4MW27D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/28/2016	Date Received:	4/28/2016
Time Sampled:	12:30	Time Received:	15:30
Sampled By:	WMM	Received By:	AS
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/28/2016	12:30	WMM	337	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	4/28/2016	12:30	WMM	0.85	D	mg/L	0.1
pH Field	FDEP FT 1100	4/28/2016	12:30	WMM	7.72	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/28/2016	12:30	WMM	24.11	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/28/2016	12:30	WMM	0.5	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/28/2016	12:30	WMM	31.75	D	Ft.	0
Iron (Fe)	EPA 200.7	5/4/2016	12:25	TER	63.8		ug/L	1.4
Mercury (Hg)	SM 3112 B	5/5/2016	11:10	TER	0.02	U	ug/L	0.02
Sodium (Na)	EPA 200.7	5/4/2016	12:25	TER	3.48		mg/L	0.03
Ammonia (N)	SM 4500-NH3 G	4/29/2016	14:20	KS	0.20	I	mg/L	0.04
Nitrate (N)	SM 4500-NO3 F	5/3/2016	10:30	KS	0.03	I	mg/L	0.03
Color by Observation	Observation	4/28/2016	12:30	WMM	CLEAR	D	ObsColor	0

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Report Date: 5/17/2016

Sample Number:	**AC38259**	Sample ID:	4MW27D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/28/2016	Date Received:	4/28/2016
Time Sampled:	12:30	Time Received:	15:30
Sampled By:	WMM	Received By:	AS
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Total Dissolved Solids	SM 2540 C	5/4/2016	14:55	AMC	154		mg/L	0.1
Chloride	EPA 300.0	5/11/2016	8:20	AS	5.13		mg/L	0.10

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.
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XC = Reported value exceeds the Maximum Contaminant Level (F.A.C. 62-550).
MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Director

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NELAC Certification: E44123
EPA Lab Code: FL00137

PASCO COUNTY, FLORIDA

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Pasco County Utilities Environmental Laboratory Report

8864 Government Drive
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Phone: (727) 847-8902 Fax: (727) 847-8112
Contacts: Gloria Krueger, Senior Secretary
Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

Report Date: 5/17/2016

Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Sample Number:	**AC38260**	Sample ID:	4MW27 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/28/2016	Date Received:	4/28/2016
Time Sampled:	10:50	Time Received:	15:30
Sampled By:	WMM	Received By:	AS
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/28/2016	10:50	WMM	248	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	4/28/2016	10:50	WMM	1.01	D	mg/L	0.1
pH Field	FDEP FT 1100	4/28/2016	10:50	WMM	7.81	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/28/2016	10:50	WMM	25.01	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/28/2016	10:50	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/28/2016	10:50	WMM	36.76	D	Ft.	0
Iron (Fe)	EPA 200.7	5/4/2016	12:25	TER	37.9		ug/L	1.4
Mercury (Hg)	SM 3112 B	5/5/2016	11:10	TER	0.02	U	ug/L	0.02
Sodium (Na)	EPA 200.7	5/4/2016	12:25	TER	39.9		mg/L	0.03
Ammonia (N)	SM 4500-NH3 G	4/29/2016	14:20	KS	0.05	I	mg/L	0.04
Nitrate (N)	SM 4500-NO3 F	5/3/2016	10:30	KS	0.54		mg/L	0.03
Color by Observation	Observation	4/28/2016	10:50	WMM	CLEAR	D	ObsColor	0

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Report Date: 5/17/2016

Sample Number:	**AC38260**	Sample ID:	4MW27 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/28/2016	Date Received:	4/28/2016
Time Sampled:	10:50	Time Received:	15:30
Sampled By:	WMM	Received By:	AS
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Total Dissolved Solids	SM 2540 C	5/4/2016	14:55	AMC	444		mg/L	0.1
Chloride	EPA 300.0	5/11/2016	8:20	AS	107		mg/L	0.10

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

Report Date: 5/17/2016

Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Sample Number:	**AC38261**	Sample ID:	2MW27D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/28/2016	Date Received:	4/28/2016
Time Sampled:	13:25	Time Received:	15:30
Sampled By:	WMM	Received By:	AS
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/28/2016	13:25	WMM	341	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	4/28/2016	13:25	WMM	1.00	D	mg/L	0.1
pH Field	FDEP FT 1100	4/28/2016	13:25	WMM	7.59	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/28/2016	13:25	WMM	26.14	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/28/2016	13:25	WMM	10.7	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/28/2016	13:25	WMM	31.68	D	Ft.	0
Iron (Fe)	EPA 200.7	5/4/2016	12:25	TER	578		ug/L	1.4
Mercury (Hg)	SM 3112 B	5/5/2016	11:10	TER	0.02	U	ug/L	0.02
Sodium (Na)	EPA 200.7	5/4/2016	12:25	TER	50.6		mg/L	0.03
Ammonia (N)	SM 4500-NH3 G	4/29/2016	14:20	KS	0.04	I	mg/L	0.04
Nitrate (N)	SM 4500-NO3 F	5/3/2016	10:30	KS	1.35		mg/L	0.03
Color by Observation	Observation	4/28/2016	13:25	WMM	CLOUDY	D	ObsColor	0

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Report Date: 5/17/2016

Sample Number:	**AC38261**	Sample ID:	2MW27D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/28/2016	Date Received:	4/28/2016
Time Sampled:	13:25	Time Received:	15:30
Sampled By:	WMM	Received By:	AS
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Total Dissolved Solids	SM 2540 C	5/4/2016	14:55	AMC	480		mg/L	0.1
Chloride	EPA 300.0	5/11/2016	8:20	AS	120		mg/L	0.10

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Report Date: 5/17/2016

Sample Number:	**AC38262**	Sample ID:	4MW1 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/28/2016	Date Received:	4/28/2016
Time Sampled:	15:00	Time Received:	15:30
Sampled By:	WMM	Received By:	AS
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/28/2016	15:00	WMM	741	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	4/28/2016	15:00	WMM	0.91	D	mg/L	0.1
pH Field	FDEP FT 1100	4/28/2016	15:00	WMM	6.94	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/28/2016	15:00	WMM	25.70	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/28/2016	15:00	WMM	1.4	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/28/2016	15:00	WMM	33.59	D	Ft.	0
Iron (Fe)	EPA 200.7	5/4/2016	12:25	TER	2.9	I	ug/L	1.4
Mercury (Hg)	SM 3112 B	5/5/2016	11:10	TER	0.02	U	ug/L	0.02
Sodium (Na)	EPA 200.7	5/4/2016	12:25	TER	53.9		mg/L	0.03
Ammonia (N)	SM 4500-NH3 G	4/29/2016	14:20	KS	0.04	U	mg/L	0.04
Nitrate (N)	SM 4500-NO3 F	5/3/2016	10:30	KS	1.21		mg/L	0.03
Color by Observation	Observation	4/28/2016	15:00	WMM	CLEAR	D	ObsColor	0

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Report Date: 5/17/2016

Sample Number:	**AC38262**	Sample ID:	4MW1 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/28/2016	Date Received:	4/28/2016
Time Sampled:	15:00	Time Received:	15:30
Sampled By:	WMM	Received By:	AS
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Total Dissolved Solids	SM 2540 C	5/4/2016	14:55	AMC	478		mg/L	0.1
Chloride	EPA 300.0	5/11/2016	8:20	AS	112		mg/L	0.10

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Report Date: 5/11/2016

Sample Number:	**AC37990**	Sample ID:	4MW5 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/25/2016	Date Received:	4/25/2016
Time Sampled:	10:50	Time Received:	15:40
Sampled By:	WMM	Received By:	AS
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/25/2016	10:50	WMM	354	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	4/25/2016	10:50	WMM	1.03	D	mg/L	0.1
pH Field	FDEP FT 1100	4/25/2016	10:50	WMM	7.46	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/25/2016	10:50	WMM	24.11	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/25/2016	10:50	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/25/2016	10:50	WMM	27.86	D	Ft.	0
Iron (Fe)	EPA 200.7	5/3/2016	11:00	TER	76.9		ug/L	1.4
Mercury (Hg)	SM 3112 B	5/5/2016	11:10	TER	0.02	U	ug/L	0.02
Sodium (Na)	EPA 200.7	5/3/2016	11:00	TER	26.8		mg/L	0.03
Ammonia (N)	SM 4500-NH3 G	4/29/2016	10:20	KS	0.14		mg/L	0.04
Nitrate (N)	SM 4500-NO3 F	5/3/2016	10:30	KS	0.73		mg/L	0.03
Color by Observation	Observation	4/25/2016	10:50	WMM	CLEAR	D	ObsColor	0

Analysis Comments:

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Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Report Date: 5/11/2016

Sample Number:	**AC37990**	Sample ID:	4MW5 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/25/2016	Date Received:	4/25/2016
Time Sampled:	10:50	Time Received:	15:40
Sampled By:	WMM	Received By:	AS
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Total Dissolved Solids	SM 2540 C	4/28/2016	11:40	AMC	372		mg/L	0.1
Chloride	EPA 300.0	5/4/2016	8:50	AS	126		mg/L	0.10

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

Report Date: 5/11/2016

Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Sample Number:	**AC37991**	Sample ID:	4MW14D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/25/2016	Date Received:	4/25/2016
Time Sampled:	12:35	Time Received:	15:40
Sampled By:	WMM	Received By:	AS
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/25/2016	12:35	WMM	314	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	4/25/2016	12:35	WMM	1.14	D	mg/L	0.1
pH Field	FDEP FT 1100	4/25/2016	12:35	WMM	6.20	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/25/2016	12:35	WMM	26.77	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/25/2016	12:35	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/25/2016	12:35	WMM	30.04	D	Ft.	0
Iron (Fe)	EPA 200.7	5/3/2016	11:00	TER	114		ug/L	1.4
Mercury (Hg)	SM 3112 B	5/5/2016	11:10	TER	0.02	U	ug/L	0.02
Sodium (Na)	EPA 200.7	5/3/2016	11:00	TER	12.2		mg/L	0.03
Ammonia (N)	SM 4500-NH3 G	4/29/2016	10:20	KS	0.04	U	mg/L	0.04
Nitrate (N)	SM 4500-NO3 F	5/3/2016	10:30	KS	0.60		mg/L	0.03
Color by Observation	Observation	4/25/2016	12:35	WMM	CLEAR	D	ObsColor	0

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Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Report Date: 5/11/2016

Sample Number:	**AC37991**	Sample ID:	4MW14D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/25/2016	Date Received:	4/25/2016
Time Sampled:	12:35	Time Received:	15:40
Sampled By:	WMM	Received By:	AS
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Total Dissolved Solids	SM 2540 C	4/28/2016	11:40	AMC	334		mg/L	0.1
Chloride	EPA 300.0	4/26/2016	8:20	AS	26.4		mg/L	0.10

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.
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CLIENT/SAMPLE INFORMATION

West Pasco Class III Landfill
Hays Road
Shady Hills, Fl
John Power

Report Date: 5/11/2016

Sample Number:	**AC38080**	Sample ID:	4MW9 @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/26/2016	Date Received:	4/26/2016
Time Sampled:	12:35	Time Received:	15:50
Sampled By:	WMM	Received By:	JB
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/26/2016	12:35	WMM	347	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	4/26/2016	12:35	WMM	1.08	D	mg/L	0.1
pH Field	FDEP FT 1100	4/26/2016	12:35	WMM	6.84	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/26/2016	12:35	WMM	24.87	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/26/2016	12:35	WMM	4.5	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/26/2016	12:35	WMM	28.74	D	Ft.	0
Iron (Fe)	EPA 200.7	5/3/2016	11:00	TER	154		ug/L	1.4
Mercury (Hg)	SM 3112 B	5/5/2016	11:10	TER	0.02	U	ug/L	0.02
Sodium (Na)	EPA 200.7	5/3/2016	11:00	TER	9.83		mg/L	0.03
Ammonia (N)	SM 4500-NH3 G	4/29/2016	10:20	KS	0.04	I	mg/L	0.04
Nitrate (N)	SM 4500-NO3 F	5/3/2016	10:30	KS	0.31		mg/L	0.03
Color by Observation	Observation	4/26/2016	12:35	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	4/28/2016	11:40	AMC	248		mg/L	0.1

Analysis Comments:

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I = Reported value is greater than or equal to the detection limit, but less than PQL.
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MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Director

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NELAC Certification: E44123
EPA Lab Code: FL00137

PASCO COUNTY, FLORIDA

"Bringing Opportunities Home"

Pasco County Utilities Environmental Laboratory Report

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Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

West Pasco Class III Landfill
Hays Road
Shady Hills, Fl
John Power

Report Date: 5/11/2016

Sample Number:	**AC38080**	Sample ID:	4MW9 @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/26/2016	Date Received:	4/26/2016
Time Sampled:	12:35	Time Received:	15:50
Sampled By:	WMM	Received By:	JB
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Chloride	EPA 300.0	4/26/2016	16:20	AS	28.3		mg/L	0.10

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.
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CLIENT/SAMPLE INFORMATION

West Pasco Class III Landfill
Hays Road
Shady Hills, Fl
John Power

Report Date: 5/11/2016

Sample Number:	**AC38081**	Sample ID:	4MW8 @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/26/2016	Date Received:	4/26/2016
Time Sampled:	14:05	Time Received:	15:50
Sampled By:	WMM	Received By:	JB
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/26/2016	14:05	WMM	250	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	4/26/2016	14:05	WMM	1.04	D	mg/L	0.1
pH Field	FDEP FT 1100	4/26/2016	14:05	WMM	6.97	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/26/2016	14:05	WMM	23.90	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/26/2016	14:05	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/26/2016	14:05	WMM	30.02	D	Ft.	0
Iron (Fe)	EPA 200.7	5/3/2016	11:00	TER	43.7		ug/L	1.4
Mercury (Hg)	SM 3112 B	5/5/2016	11:10	TER	0.02	U	ug/L	0.02
Sodium (Na)	EPA 200.7	5/3/2016	11:00	TER	4.85		mg/L	0.03
Ammonia (N)	SM 4500-NH3 G	4/29/2016	10:20	KS	0.05	I	mg/L	0.04
Nitrate (N)	SM 4500-NO3 F	5/3/2016	10:30	KS	0.03	I	mg/L	0.03
Color by Observation	Observation	4/26/2016	14:05	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	4/28/2016	11:40	AMC	212		mg/L	0.1

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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Hays Road
Shady Hills, Fl
John Power

Report Date: 5/11/2016

Sample Number:	**AC38081**	Sample ID:	4MW8 @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/26/2016	Date Received:	4/26/2016
Time Sampled:	14:05	Time Received:	15:50
Sampled By:	WMM	Received By:	JB
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Chloride	EPA 300.0	4/26/2016	16:20	AS	12.0		mg/L	0.10

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.
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West Pasco Class III Landfill
Hays Road
Shady Hills, Fl
John Power

Report Date: 5/11/2016

Sample Number:	**AC38082**	Sample ID:	4MW7 @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/26/2016	Date Received:	4/26/2016
Time Sampled:	15:10	Time Received:	15:50
Sampled By:	WMM	Received By:	JB
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/26/2016	15:10	WMM	299	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	4/26/2016	15:10	WMM	1.05	D	mg/L	0.1
pH Field	FDEP FT 1100	4/26/2016	15:10	WMM	6.82	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/26/2016	15:10	WMM	24.54	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/26/2016	15:10	WMM	2.7	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/26/2016	15:10	WMM	30.04	D	Ft.	0
Iron (Fe)	EPA 200.7	5/3/2016	11:00	TER	131		ug/L	1.4
Mercury (Hg)	SM 3112 B	5/5/2016	11:10	TER	0.02	U	ug/L	0.02
Sodium (Na)	EPA 200.7	5/3/2016	11:00	TER	5.43		mg/L	0.03
Ammonia (N)	SM 4500-NH3 G	4/29/2016	10:20	KS	0.05	I	mg/L	0.04
Nitrate (N)	SM 4500-NO3 F	5/3/2016	10:30	KS	0.07	I	mg/L	0.03
Color by Observation	Observation	4/26/2016	15:10	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	4/28/2016	11:40	AMC	200		mg/L	0.1

Analysis Comments:

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West Pasco Class III Landfill
Hays Road
Shady Hills, Fl
John Power

Report Date: 5/11/2016

Sample Number:	**AC38082**	Sample ID:	4MW7 @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/26/2016	Date Received:	4/26/2016
Time Sampled:	15:10	Time Received:	15:50
Sampled By:	WMM	Received By:	JB
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Chloride	EPA 300.0	4/26/2016	16:20	AS	21.1		mg/L	0.10

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.
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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Report Date: 5/11/2016

Sample Number:	**AC37992**	Sample ID:	2MW-24D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/25/2016	Date Received:	4/25/2016
Time Sampled:	14:30	Time Received:	15:40
Sampled By:	WMM	Received By:	AS
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/25/2016	14:30	WMM	456	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	4/25/2016	14:30	WMM	0.87	D	mg/L	0.1
pH Field	FDEP FT 1100	4/25/2016	14:30	WMM	6.14	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/25/2016	14:30	WMM	27.23	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/25/2016	14:30	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/25/2016	14:30	WMM	29.75	D	Ft.	0
Iron (Fe)	EPA 200.7	5/3/2016	11:00	TER	3630		ug/L	1.4
Mercury (Hg)	SM 3112 B	5/5/2016	11:10	TER	0.02	U	ug/L	0.02
Sodium (Na)	EPA 200.7	5/3/2016	11:00	TER	25.5		mg/L	0.03
Ammonia (N)	SM 4500-NH3 G	4/29/2016	10:20	KS	0.11	I	mg/L	0.04
Nitrate (N)	SM 4500-NO3 F	5/3/2016	10:30	KS	1.62		mg/L	0.03
Color by Observation	Observation	4/25/2016	14:30	WMM	CLEAR	D	ObsColor	0

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.
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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Report Date: 5/11/2016

Sample Number:	**AC37992**	Sample ID:	2MW-24D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/25/2016	Date Received:	4/25/2016
Time Sampled:	14:30	Time Received:	15:40
Sampled By:	WMM	Received By:	AS
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Total Dissolved Solids	SM 2540 C	4/28/2016	11:40	AMC	236		mg/L	0.1
Chloride	EPA 300.0	4/26/2016	8:20	AS	55.4		mg/L	0.10

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Report Date: 5/11/2016

Sample Number:	**AC38078**	Sample ID:	2MW-25D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/26/2016	Date Received:	4/26/2016
Time Sampled:	10:00	Time Received:	15:50
Sampled By:	WMM	Received By:	JB
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/26/2016	10:00	WMM	544	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	4/26/2016	10:00	WMM	1.04	D	mg/L	0.1
pH Field	FDEP FT 1100	4/26/2016	10:00	WMM	7.03	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/26/2016	10:00	WMM	25.50	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/26/2016	10:00	WMM	17.4	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/26/2016	10:00	WMM	29.97	D	Ft.	0
Iron (Fe)	EPA 200.7	5/3/2016	11:00	TER	170		ug/L	1.4
Mercury (Hg)	SM 3112 B	5/5/2016	11:10	TER	0.02	U	ug/L	0.02
Sodium (Na)	EPA 200.7	5/3/2016	11:00	TER	40.0		mg/L	0.03
Ammonia (N)	SM 4500-NH3 G	4/29/2016	10:20	KS	0.05	I	mg/L	0.04
Nitrate (N)	SM 4500-NO3 F	5/3/2016	10:30	KS	0.98		mg/L	0.03
Color by Observation	Observation	4/26/2016	10:00	WMM	CLOUDY	D	ObsColor	0

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Report Date: 5/11/2016

Sample Number:	**AC38078**	Sample ID:	2MW-25D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/26/2016	Date Received:	4/26/2016
Time Sampled:	10:00	Time Received:	15:50
Sampled By:	WMM	Received By:	JB
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Total Dissolved Solids	SM 2540 C	4/28/2016	11:40	AMC	436		mg/L	0.1
Chloride	EPA 300.0	4/26/2016	16:20	AS	87.0		mg/L	0.10

Analysis Comments:

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Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Report Date: 5/11/2016

Sample Number:	**AC38079**	Sample ID:	2MW-26D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/26/2016	Date Received:	4/26/2016
Time Sampled:	11:15	Time Received:	15:50
Sampled By:	WMM	Received By:	JB
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/26/2016	11:15	WMM	442	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	4/26/2016	11:15	WMM	0.82	D	mg/L	0.1
pH Field	FDEP FT 1100	4/26/2016	11:15	WMM	7.16	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/26/2016	11:15	WMM	27.02	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/26/2016	11:15	WMM	10.2	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/26/2016	11:15	WMM	30.39	D	Ft.	0
Iron (Fe)	EPA 200.7	5/3/2016	11:00	TER	143		ug/L	1.4
Mercury (Hg)	SM 3112 B	5/5/2016	11:10	TER	0.02	U	ug/L	0.02
Sodium (Na)	EPA 200.7	5/3/2016	11:00	TER	27.6		mg/L	0.03
Ammonia (N)	SM 4500-NH3 G	4/29/2016	10:20	KS	0.05	I	mg/L	0.04
Nitrate (N)	SM 4500-NO3 F	5/3/2016	10:30	KS	0.32		mg/L	0.03
Color by Observation	Observation	4/26/2016	11:15	WMM	CLEAR	D	ObsColor	0

Analysis Comments:

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Resource Recovery
Class I Landfill
Havs Road
Shady Hills, Fl
John Power

Report Date: 5/11/2016

Sample Number:	**AC38079**	Sample ID:	2MW-26D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/26/2016	Date Received:	4/26/2016
Time Sampled:	11:15	Time Received:	15:50
Sampled By:	WMM	Received By:	JB
		Delivered By:	WMM

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the NELAC standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Total Dissolved Solids	SM 2540 C	4/28/2016	11:40	AMC	338		mg/L	0.1
Chloride	EPA 300.0	4/26/2016	16:20	AS	60.0		mg/L	0.10

Analysis Comments:

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SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

SAL Project No. 1605207

Client Name: Pasco Co Environmental Lab

Project Name / Location: 45799 / Resource Recovery

Contact / Phone: Candia Mulhern

Samplers: (Signature) Wilfred Mosqueda

Matrix Codes:
DW-Drinking Water WW-Wastewater
SW-SurfaceWater SL-Sludge SO-Soil
GW-Groundwater SA-Saline Water O-Other
R-Reagent Water

PARAMETER / CONTAINER DESCRIPTION

SAL Use Only Sample No.	Sample Description	Date	Time	Matrix	Composite	Grab	250 mL P, HNO3 App. I Metals	40 mL V, Cool 8011	40 mL V, HCl 8260	40 mL V, HCl Trip Blank					No. of Containers (Total per each location)
01	4MW-4	04-12-16	1044	GW		X	1	3	3	1					8
02	4MW-6	04-12-16	1415	GW		X	1	3	3	1					8

Sent to S.A.L. 4/13/16

Containers Prepared/ Relinquished:	Date/Time:	Received:	Date/Time:
Wilfred Mosqueda	1515 04-12-16	BJ	15.15 4/12/16
BJ	1439 4/13/16	JM	1435 4-13-16
			4-13-16 1615

Seal intact? Y N N/A
Samples intact upon arrival? Y N N/A
Received on ice? Temp D.I. Y N N/A
Proper preservatives indicated? Y N N/A
Rec'd within holding time? Y N N/A
Volatiles rec'd w/out headspace? Y N N/A
Proper containers used? Y N N/A

Instructions / Remarks

Chain of Custody.xls
Rev.Date 11/18/01

Chain of Custody

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

SAL Project No. 1605207

Client Name: Pasco Co Environmental Lab

Project Name / Location: 45799 / Resource Recovery

Contact / Phone: Candia Mulhern

Samplers: (Signature) [signature]

Matrix Codes:
DW-Drinking Water WW-Wastewater
SW-SurfaceWater SL-Sludge SO-Soil
GW-Groundwater SA-Saline Water O-Other
R-Reagent Water

PARAMETER / CONTAINER DESCRIPTION

SAL Use Only Sample No.	Sample Description	Date	Time	Matrix	Composite	Grab	250mL P, HNO3 App. I metals	40mL V, HCl 8260	40mL V, Cool 8011	40mL V, HCl Trip Blank					No. of Containers (Total per each location)
03	4MW-~~12D~~ 11D	04-13-16	0950	GW		X	1	3	3	1					8
04	4MW-12D	04-13-16	1040	GW		X	1	3	3	1					8
05	4MW-13D	04-13-16	1140	GW		X	1	3	3	1					8

Sent to S.A.L. 4/13/16

Containers Prepared/ Relinquished:	Date/Time:	Received:	Date/Time:
[signature]	1400 04-13-16	[signature]	14:00 4/13/16
Relinquished: [signature]	Date/Time: 1435 4/13/16	Received: [signature]	Date/Time: 1435 4-13-16
Relinquished:	Date/Time:	Received: [signature]	Date/Time: 1615 4-13-16
Relinquished:	Date/Time:	Received:	Date/Time:
Relinquished:	Date/Time:	Received:	Date/Time:

Seal intact? N N/A
Samples intact upon arrival? N N/A
Received on ice? Temp. N N/A
Proper preservatives indicated? N N/A
Rec'd within holding time? N N/A
Volatiles rec'd w/out headspace? N N/A
Proper containers used? N N/A

Instructions / Remarks

Chain of Custody

Chain of Custody.xls
Rev.Date 11/19/01

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

Client Name: Pasco Co Environmental Lab

SAL Project No.

Project Name / Location: 45799 / Resource Recovery

Contact / Phone: Candia Mulhern

Samplers: (Signature) Wilfred Marsfeld

Matrix Codes:
DW-Drinking Water WW-Wastewater
SW-SurfaceWater SL-Sludge SO-Soil
GW-Groundwater SA-Saline Water O-Other
R-Reagent Water

PARAMETER / CONTAINER DESCRIPTION

SAL Use Only Sample No.	Sample Description	Date	Time	Matrix	Composite	Grab	250mL P, HNO_3 App. I metals	40 mL V, HCl 8260	40 mL V, cool 8011	40mL V, HCl Trip Blank					No. of Containers (Total per each location)
	2MW-19D	04.14.16	1140	GW		X	1	3	3	1					8
	2MW-18D	04.14.16	1300	GW		X	1	3	3	1					8
	2MW-2	04.14.16	1350	GW		X	1	3	3	1					8
	4MW-2	04.14.16	1520	GW		X	1	3	3	1					8
											Sent to S.A.L. 4/20/16				

Containers Prepared/ Relinquished:	Date/Time:	Received:	Date/Time:
W. Mar	1540 04-14-16	[illegible]	15:40 4/14/16
[illegible]	1335 4/20/16	[illegible]	1335 4-20-16

Seal intact? Y N N/A
Samples intact upon arrival? Y N N/A
Received on ice? Temp_____ Y N N/A
Proper preservatives indicated? Y N N/A
Rec'd within holding time? Y N N/A
Volatiles rec'd w/out headspace? Y N N/A
Proper containers used? Y N N/A

Instructions / Remarks

Chain of Custody.xls
Rev.Date 11/19/01

Chain of Custody

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

SAL Project No. 1605207

Client Name: Pasco Co Environmental Lab

Project Name / Location: 45799 / Resource Recovery

Contact / Phone: Candia Mulhern

Samplers: (Signature)

Matrix Codes:
DW-Drinking Water WW-Wastewater
SW-SurfaceWater SL-Sludge SO-Soil
GW-Groundwater SA-Saline Water O-Other
R-Reagent Water

PARAMETER / CONTAINER DESCRIPTION

SAL Use Only Sample No.	Sample Description	Date	Time	Matrix	Composite	Grab	40 mL V, HCl 8260	40 mL V, Cool 8011	40 mL V, HCl Trip Blank	250 mL P, HNO3 App. I metals					No. of Containers (Total per each location)
15 ~~16~~	4MW-5	04-25-16	1050	GW		X	3	3	1	1					8
16	4MW-14D	04-25-16	1235	GW		X	3	3	1	1					8
17	2MW-24D	04-25-16	1430	GW		X	3	3	1	1					8

Sent to S.A.L. 4/27/16

Relinquished	Date/Time	Received	Date/Time
Containers Prepared/ Relinquished:	Date/Time: 1540 04-25-16	Received:	Date/Time: 15:40 4/25/16
Relinquished:	Date/Time: 1220 4/27/16	Received:	Date/Time: 1220 4-27-16
Relinquished:	Date/Time: 1302 4-27-16	Received:	Date/Time: 1302 4-27-16
Relinquished:	Date/Time:	Received:	Date/Time:
Relinquished:	Date/Time:	Received:	Date/Time:

Seal intact?	Y N N/A
Samples intact upon arrival?	Y N N/A
Received on ice? Temp 0.1	Y N N/A
Proper preservatives indicated?	Y N N/A
Rec'd within holding time?	Y N N/A
Volatiles rec'd w/out headspace?	Y N N/A
Proper containers used?	Y N N/A

Instructions / Remarks

Chain of Custody.xls
Rev.Date 11/18/01

Chain of Custody

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

SAL Project No. 1605207

Client Name: Pasco Co Environmental Lab

Project Name / Location: 45799 / Resource Recovery

Contact / Phone: Candia Mulhern

Samplers: (Signature)

Matrix Codes:
DW-Drinking Water WW-Wastewater
SW-SurfaceWater SL-Sludge SO-Soil
GW-Groundwater SA-Saline Water O-Other
R-Reagent Water

PARAMETER / CONTAINER DESCRIPTION

SAL Use Only Sample No.	Sample Description	Date	Time	Matrix	Composite	Grab	250mL P, HNO3 App. I metals	40mL V, HCl 8260	40mL V, Cool 8011	40mL V, HCl Trip Blank					No. of Containers (Total per each location)
10	2MW 25D	04.26.16	1000	GW		X	1	3	3	1					8
11	2MW 26D	04.26.16	1115	GW		X	1	3	3	1					8
12	4MW9	04.26.16	1235	GW		X	1	3	3	1					8
13	4MW8	04.26.16	1405	GW		X	1	3	3	1					8
14	4MW7	04.26.16	1510	GW		X	1	3	3	1					8
											Sent to				
											S.A.L.				
											4/27/16				

Containers Prepared/ Relinquished:	Date/Time:	Received:	Date/Time:
	1550 04-26-16		15.40 4/26/16
Relinquished:	Date/Time:	Received:	Date/Time:
	1220 4/27/16		1220 4-27-16
Relinquished:	Date/Time:	Received:	Date/Time:
	1300 4-27-16		1300 4-27-16
Relinquished:	Date/Time:	Received:	Date/Time:
Relinquished:	Date/Time:	Received:	Date/Time:

Seal intact? N N/A
Samples intact upon arrival? N N/A
Received on ice? Temp 1 N N/A
Proper preservatives indicated? N N/A
Rec'd within holding time? N N/A
Volatiles rec'd w/out headspace? N N/A
Proper containers used? N N/A

Instructions / Remarks

Chain of Custody.xls
Rev.Date 11/16/01

Chain of Custody

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

SAL Project No. 1605207

Client Name: Pasco Co Environmental Lab

Project Name / Location: 45799 / Resource Recovery

Contact / Phone: Candia Mulhern

Samplers: (Signature) Wilford Marshall

Matrix Codes:
DW-Drinking Water WW-Wastewater
SW-SurfaceWater SL-Sludge SO-Soil
GW-Groundwater SA-Saline Water O-Other
R-Reagent Water

PARAMETER / CONTAINER DESCRIPTION

SAL Use Only Sample No.	Sample Description	Date	Time	Matrix	Composite	Grab	250 ml P, HNO_3 App. I metals	40 ml V, HCl 8260	40 ml V, Cool 8011	40 ml V, HCl Trip Blank					No. of Containers (Total per each location)
18	2MW17S	04-27-16	1400	GW		X	1	3	3	1					8
19	2MW15DA	04-27-16	1510	GW		X	1	3	3	1					8

Sent to S.AL. 4/28/16

Containers Prepared/ Relinquished:	Date/Time:	Received:	Date/Time:
W. Marshall	1530 04-27-16	Brown	1530 4/27/16
Relinquished:	Date/Time:	Received:	Date/Time:
[illegible]	1355 4/28/16	SDH	1355 04/28/16
Relinquished:	Date/Time:	Received:	Date/Time:
SDH	1445 04/28/16	K Mulhern	1445 4/28/16
Relinquished:	Date/Time:	Received:	Date/Time:
Relinquished:	Date/Time:	Received:	Date/Time:

Seal intact?	Y N (N/A)	
Samples intact upon arrival?	(Y) N N/A	
Received on ice? Temp.____	(Y) N N/A	
Proper preservatives indicated?	(Y) N N/A	
Rec'd within holding time?	(Y) N N/A	
Volatiles rec'd w/out headspace?	(Y) N N/A	
Proper containers used?	(Y) N N/A	

Instructions / Remarks

Chain of Custody.xls
Rev.Date 11/18/01

Chain of Custody

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

SAL Project No. 1605207

Client Name: Pasco Co Environmental Lab

Project Name / Location: 45799 / Resource Recovery

Contact / Phone: Candia Mulhern

Samplers: (Signature) Wilfred Manfred

Matrix Codes:
DW-Drinking Water WW-Wastewater
SW-SurfaceWater SL-Sludge SO-Soil
GW-Groundwater SA-Saline Water O-Other
R-Reagent Water

PARAMETER / CONTAINER DESCRIPTION

SAL Use Only Sample No.	Sample Description	Date	Time	Matrix	Composite	Grab	250ml P, HNO_3 App. I Metals	40 mL V, HCl 8260	40 mL V, Cool 8011	40 mL V, HCl Trip Blank					No. of Containers (Total per each location)
20	4MW27	04-28-16	1050	GW		X	1	3	3	1					8
21	4MW27D	04-28-16	1230	GW		X	1	3	3	1					8
22	2MW27D	04-28-16	1325	GW		X	1	3	3	1					8
23	4MW1	04-28-16	1500	GW		X	1	3	3	1					8

Sent to S.A.L. 4/29/16

Containers Prepared/ Relinquished:	Date/Time:	Received:	Date/Time:
W. Manfred	1530 04-28-16	[signature]	15:30 4/28/16
[signature]	1000 4/29/16	[signature]	1000 4-29-16
[signature]	1130 4-29-16	[signature]	1130 4-29-16

Seal intact? (Y) N N/A
Samples intact upon arrival? (Y) N N/A
Received on ice? Temp 1.0 (Y) N N/A
Proper preservatives indicated? (Y) N N/A
Rec'd within holding time? (Y) N N/A
Volatiles rec'd w/out headspace? (Y) N N/A
Proper containers used? (Y) N N/A

Instructions / Remarks

Chain of Custody

Chain of Custody.xls
Rev.Date 11/16/01

JMG ENGINEERING INC

238 East Davis Blvd.
Suite 206
Tampa, FL 33606
Phone: (813) 605-0706

June 9, 2016

Ms. Candia Mulhern
Laboratory Manager
Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, Florida 34654

SUBJ: Groundwater Contour Map
West Pasco Class I and Class III Landfill
FDEP Permit No. PA87-23

Dear Mr. Ms. Mulhern:

Attached, please find signed and sealed copies of the groundwater elevation contour maps for the West Pasco Landfill(s) (Class I and Class III). The contour maps represent an approximation of the potentiometric surface of the surficial aquifer and of the Floridan aquifer beneath the landfills. Please note that the groundwater elevations in the surficial monitoring well network are nearly identical to those of Floridan aquifer monitoring wells in their vicinity, suggesting the absence of a surficial aquifer. The contours were developed based upon water level measurements obtained by your staff in the 2nd Quarter of 2016. A copy of the tabulated data provided by your office is also attached. An electronic version of the contour map and the tabulated data has also been sent to cmulhern@pascocountyfl.net.

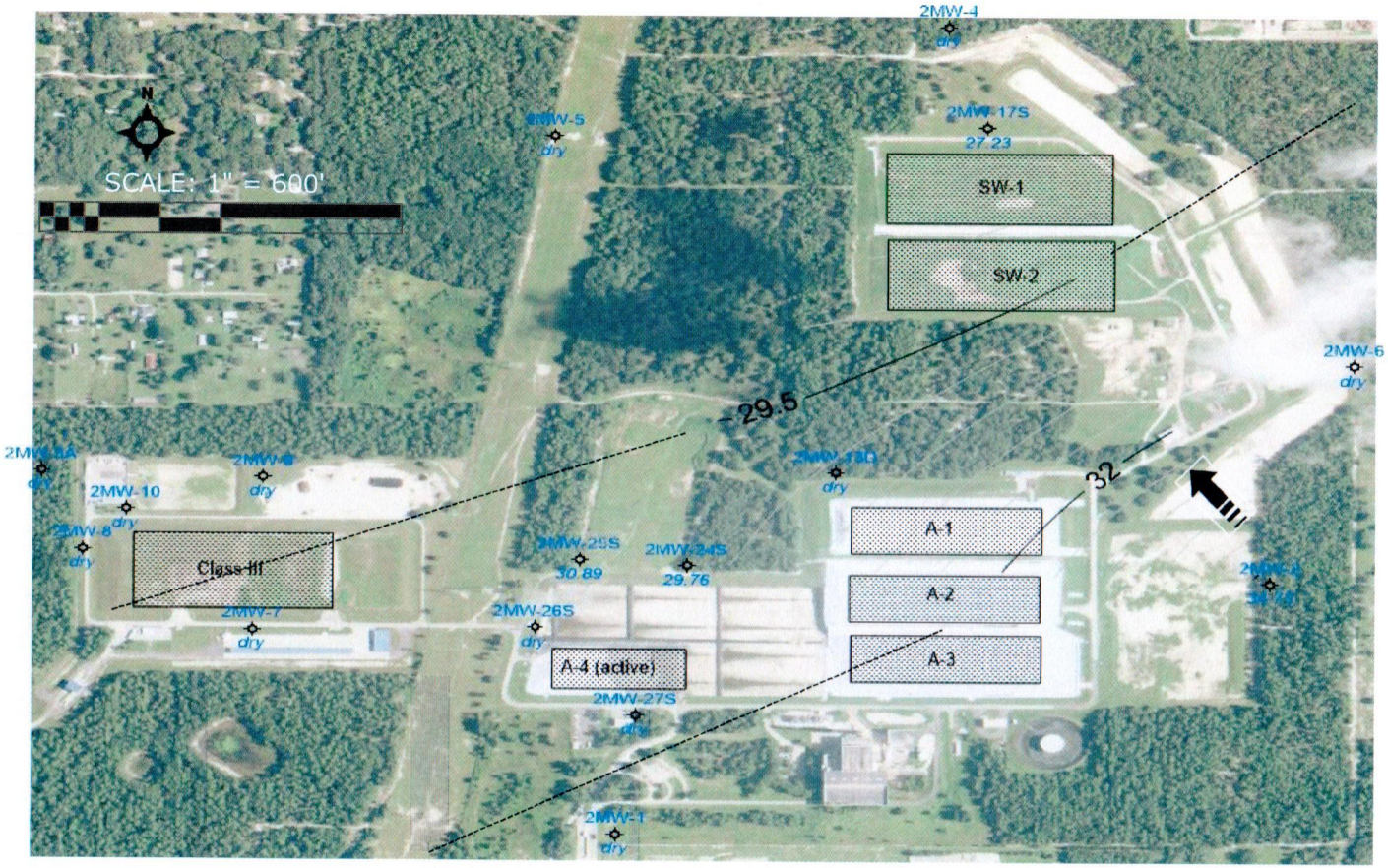
If you have any questions or concerns, please do not hesitate to contact me at (813) 605-0706.

Sincerely,

Jason M. Gorrie, P.E., BCEE
JMG Engineering, Inc.

Attachments: West Pasco Landfill Surficial Aquifer Groundwater Contour Map
West Pasco Landfill Floridan Aquifer Groundwater Contour Map
Tabulated Water Level Data for the Est Pasco Landfill

c: John Power



NOTE: Water Elevations Indicated are likely the Floridan aquifer

Legend:

2MW-10 Monitoring Well Designation

71.7 Observed Groundwater Elevation (FT NGVD 1988)

72 Groundwater Elevation Contour (FT NGVD 1988)

Waste Disposal Area

Direction of Groundwater Flow

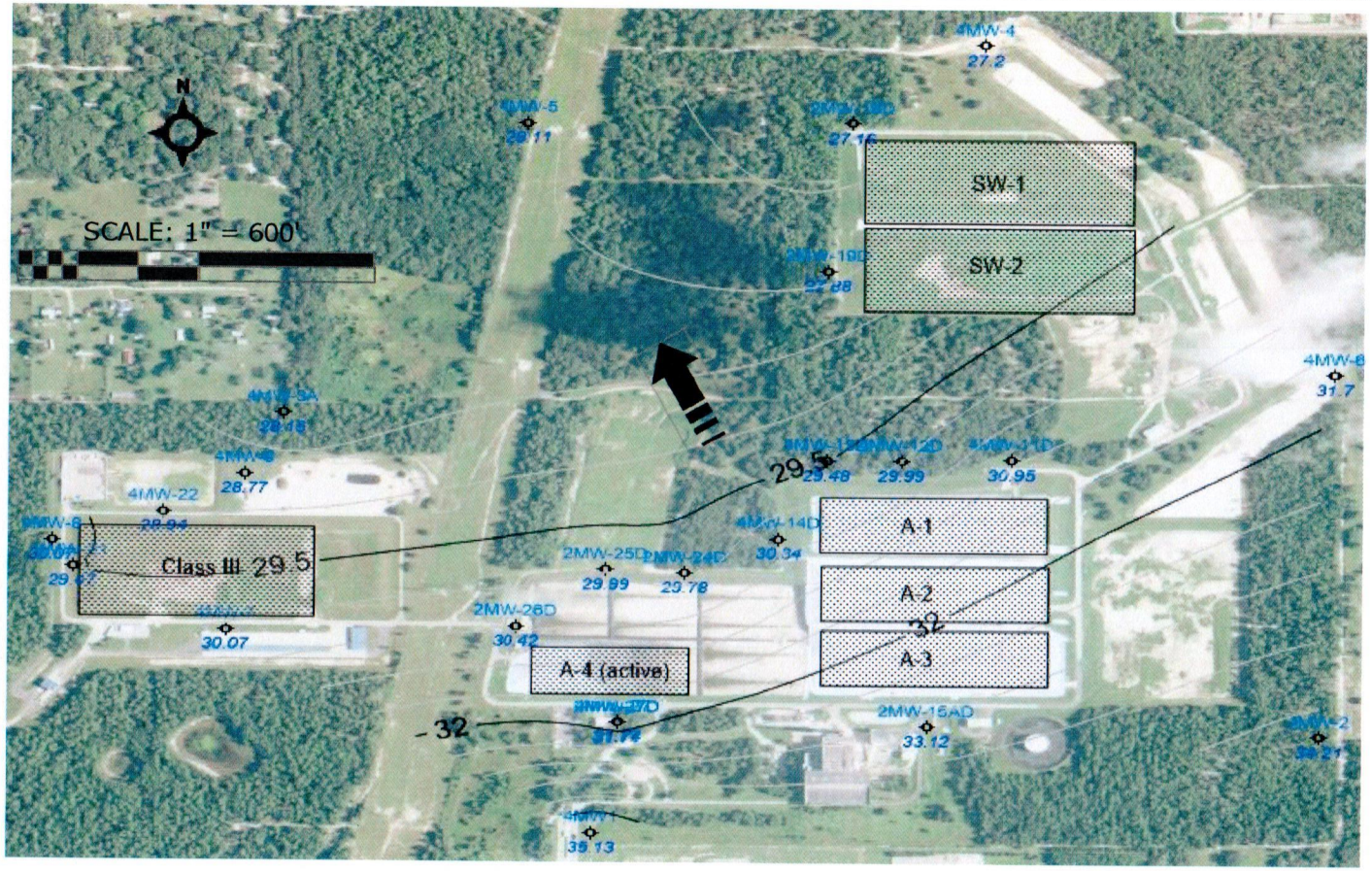
POTENTIOMETRIC SURFACE OF THE SURFICIAL AQUIFER

WEST PASCO SOLID WASTE FACILITY

PREPARED BY	DATE
Jason M. Gorrie, P.E.	6/9/2016
DATA SOURCE	COMPLIANCE PERIOD
Pasco County Environmental Laboratory 4/11/2016	2nd Qtr 2016

JMG ENGINEERING

JASON M. GORRIE LICENSE No. 55344 STATE OF FLORIDA PROFESSIONAL ENGINEER



Legend:

4MW-22	Monitoring Well Designation
71.7	Observed Groundwater Elevation (FT NGVD 1988)
72	Groundwater Elevation Contour (FT NGVD 1988)
	Waste Disposal Area
	Direction of Groundwater Flow

POTENTIOMETRIC SURFACE OF THE FLORIDAN AQUIFER

WEST PASCO SOLID WASTE FACILITY

PREPARED BY	DATE
Jason M. Gorrie, P.E.	6/9/2016
DATA SOURCE	COMPLIANCE PERIOD
Pasco County Environmental Laboratory 4/11/2016	2nd Qtr 2016

JMG ENGINEERING

JASON M. GORRIE LICENSE No. 55341 STATE OF FLORIDA PROFESSIONAL ENGINEER

RESOURCE RECOVERY

WATER LEVEL 2016 QUARTER-II

WELL I.D.	DATE DAY-MONTH	SAMPLE TIME 24hr.	T.O.P. ELEVATION	STATIC H2O LEVEL	N.G.V.D.	WELL I.D.	DATE DAY-MONTH	SAMPLE TIME 24hr.	T.O.P. ELEVATION	STATIC H2O LEVEL	N.G.V.D.
2MW1	11-Apr	0800	49.95	DRY	DRY	**2MW-13D**	11-Apr	1047	52.39	DRY	DRY
4MW1	11-Apr	0805	50.34	15.21	35.13	**4MW-13D**	11-Apr	1045	54.04	24.56	29.48
2MW2	11-Apr	0820	56.41	21.68	34.73	**4MW-14D**	11-Apr	1042	52.00	21.66	30.34
4MW2	11-Apr	0825	56.11	21.90	34.21	**2MW-15DA**	11-Apr	0810	54.71	21.59	33.12
2MW3A	11-Apr	0925	50.01	DRY	DRY	**2MW-17S**	11-Apr	0850	53.42	26.19	27.23
4MW3A	11-Apr	0920	52.92	24.77	28.15	**2MW-18D**	11-Apr	0855	52.75	25.59	27.16
2MW4	11-Apr	0840	54.77	DRY	DRY	**2MW-19D**	11-Apr	0900	52.25	24.37	27.88
4MW4	11-Apr	0845	50.81	23.61	27.20	**4MW 21**	11-Apr	1505	51.46	21.99	29.47
2MW5	11-Apr	0910	49.17	DRY	DRY	**4MW 22**	11-Apr	1500	53.44	24.50	28.94
4MW5	11-Apr	0912	49.06	20.95	28.11	**2MW-24S**	11-Apr	1040	50.37	20.61	29.76
2MW6	11-Apr	0830	56.11	DRY	DRY	**2MW-24D**	11-Apr	1038	50.55	20.77	29.78
4MW6	11-Apr	0835	55.95	24.25	31.70	**2MW-25S**	11-Apr	1032	47.84	16.95	30.89
2MW7	11-Apr	930	52.75	DRY	DRY	**2MW-25D**	11-Apr	1030	47.87	17.88	29.99
4MW7	11-Apr	0932	52.62	22.55	30.07	**2MW-26S**	11-Apr	1025	54.16	22.28	DRY
2MW8	11-Apr	0950	51.97	DRY	DRY	**2MW-26D**	11-Apr	1020	54.13	23.71	30.42
4MW8	11-Apr	0955	51.87	21.80	30.07	**2MW-27S**	11-Apr	1005	50.44	50.41	DRY
2MW9	11-Apr	0940	52.29	DRY	DRY	**2MW-27D**	11-Apr	1007	50.32	18.61	31.71
4MW9	11-Apr	0942	52.78	24.01	28.77	**4MW-27**	11-Apr	1009	49.60	17.83	31.77
2MW10	11-Apr	0945	52.63	DRY	DRY	**4MW-27D**	11-Apr	1011	49.28	17.54	31.74
4MW-11D	11-Apr	1055	65.00	34.05	30.95						
4MW-12D	11-Apr	1050	55.03	25.04	29.99						

NOTES:

RESOURCE RECOVERY

WATER LEVEL 2016 QUARTER-II

WELL I.D.	DATE DAY-MONTH	SAMPLE TIME 24hr.	T.O.P. ELEVATION	STATIC H2O LEVEL	N.G.V.D.	WELL I.D.	DATE DAY-MONTH	SAMPLE TIME 24hr.	T.O.P. ELEVATION	STATIC H2O LEVEL	N.G.V.D.
2MW1	11-Apr	0800	49.95	DRY	DRY	**2MW-13D**	11-Apr	1047	52.39	DRY	DRY
4MW1	11-Apr	0805	50.34	15.21	35.13	**4MW-13D**	11-Apr	1045	54.04	24.56	29.48
2MW2	11-Apr	0820	56.41	21.68	34.73	**4MW-14D**	11-Apr	1042	52.00	21.66	30.34
4MW2	11-Apr	0825	56.11	21.90	34.21	**2MW-15DA**	11-Apr	0810	54.71	21.59	33.12
2MW3A	11-Apr	0925	50.01	DRY	DRY	**2MW-17S**	11-Apr	0850	53.42	26.19	27.23
4MW3A	11-Apr	0920	52.92	24.77	28.15	**2MW-18D**	11-Apr	0855	52.75	25.59	27.16
2MW4	11-Apr	0840	54.77	DRY	DRY	**2MW-19D**	11-Apr	0900	52.25	24.37	27.88
4MW4	11-Apr	0845	50.81	23.61	27.20	**4MW 21**	11-Apr	1505	51.46	21.99	29.47
2MW5	11-Apr	0910	49.17	DRY	DRY	**4MW 22**	11-Apr	1500	53.44	24.50	28.94
4MW5	11-Apr	0912	49.06	20.95	28.11	**2MW-24S**	11-Apr	1040	50.37	20.61	29.76
2MW6	11-Apr	0830	56.11	DRY	DRY	**2MW-24D**	11-Apr	1038	50.55	20.77	29.78
4MW6	11-Apr	0835	55.95	24.25	31.70	**2MW-25S**	11-Apr	1032	47.84	16.95	30.89
2MW7	11-Apr	930	52.75	DRY	DRY	**2MW-25D**	11-Apr	1030	47.87	17.88	29.99
4MW7	11-Apr	0932	52.62	22.55	30.07	**2MW-26S**	11-Apr	1025	54.16	22.28	DRY
2MW8	11-Apr	0950	51.97	DRY	DRY	**2MW-26D**	11-Apr	1020	54.13	23.71	30.42
4MW8	11-Apr	0955	51.87	21.80	30.07	**2MW-27S**	11-Apr	1005	50.44	50.41	DRY
2MW9	11-Apr	0940	52.29	DRY	DRY	**2MW-27D**	11-Apr	1007	50.32	18.61	31.71
4MW9	11-Apr	0942	52.78	24.01	28.77	**4MW-27**	11-Apr	1009	49.60	17.83	31.77
2MW10	11-Apr	0945	52.63	DRY	DRY	**4MW-27D**	11-Apr	1011	49.28	17.54	31.74
4MW-11D	11-Apr	1055	65.00	34.05	30.95						
4MW-12D	11-Apr	1050	55.03	25.04	29.99						

NOTES:

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW1	DATE:	April 28, 2016

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2					BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	17	STATIC WATER:	0	GALLONS/ FOOT:	0	1 WELL VOLUME=	0

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
				0.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0	0.00	0.00	0.00								
		0.00	0.00								
1330		0.00	0.00								

DRY WELL

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*		STARTED:		ENDED:	1330
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):		TUBING MATERIAL CODE:			T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		
2MW1	0	PE	250	NONE	NONE	N/A	CL,TDS,SO4,TURB.	BP
2MW1	0	PE	250	H2SO4	1	<2	NH3,NO3	BP
2MW1	0	PE	200	HNO3	1	<2	FE,HG,NA	BP
2MW1	0	PE	500	HNO3	NONE	<2	APP.I ICP METALS	BP
2MW1	0	CG	40	HCL	NONE	<2	APP.I 8260	BP
2MW1	0	CG	40	NONE	NONE	N/A	APP.I 8011	BP
2MW1								

REMARKS **WELL IS DRY.**

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW2	DATE:	April 14, 2016

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2				21.71	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	36	STATIC WATER:	21.71	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	2.2864

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1329	1336	6.87

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1336	2.29	2.29	0.32	22.50	7.84	25.66	190	1.04	7.7	CLEAR	NONE
1343	2.29	4.58	0.32	22.50	7.79	25.64	189	1.01	6.9	CLEAR	NONE
1350	2.29	6.87	0.32	22.50	7.78	25.63	181	1.03	4.2	CLEAR	NONE

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*	STARTED:		ENDED:	1350	
PUMP OR TUBING IN WELL (feet):	34.9-37.9	SAMPLE PUMP FLOW RATE (ML/MIN.):	250	TUBING MATERIAL CODE:	T		
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
2MW2	2	PE	250	NONE	NONE	N/A	CL,TDS	3/30/16	09	BP
2MW2	1	PE	250	H2SO4	1	<2	NH3,NO3	3/30/16	09	BP
2MW2	1	PE	250	HNO3	2	<2	FE,HG,NA	3/30/16	10	BP
2MW2	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
2MW2	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
2MW2	3	CG	40	NONE	NONE	N/A	APP.I 8011			BP
2MW2	1	CG	40	HCL	NONE	<2	TRIP BLANK			O
REMARKS	**NGVD=34.70**									

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	WEST PASCO CLASS III LF	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW3	DATE:	March 25, 2014

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
					BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	12.00	STATIC WATER:	0	GALLONS/ FOOT:	0	1 WELL VOLUME=	0

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
				0.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0000	0.00	0.00									
		0.00	0.00								
1300		0.00	0.00								

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	WILFRED MARTFELD	*Wilfred Martfeld*	STARTED:		ENDED:	1300
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):		TUBING MATERIAL CODE:		T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
2MW3	0	PE	250	NONE	NONE	N/A	CL,TDS,COLOR			BP
2MW3	0	PE	250	H2SO4	1	<2	NH3,NO3			BP
2MW3	0	PE	250	HNO3	1	<2	FE,HG,NA			BP
2MW3	0	PE	250	HNO3	NONE	<2	APP.I (ICP METALS)	N/A	N/A	BP
2MW3	0	CG	40	NONE	NONE	N/A	APP.I (8011)	N/A	N/A	BP
2MW3	0	CG	40	HCL	NONE	<2	APP.I (8260)	N/A	N/A	BP
2MW3	0	CG	40	NONE	NONE	N/A	TRIP BLANK			O

REMARKS **WELL IS DRY.**

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW4	DATE:	April 12, 2016

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2					BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	21	STATIC WATER:	0	GALLONS/ FOOT:	0	1 WELL VOLUME=	0

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
				0.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0000	0.00	0.00	0.00								
		0.00	0.00								
1100		0.00	0.00								

DRY WELL

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*	STARTED:		ENDED:	1100
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):		TUBING MATERIAL CODE:		T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		
2MW4	0	PE	250	NONE	NONE	N/A	TDS,SO4,TURB.	BP
2MW4	0	PE	125	NONE	NONE	N/A	CL	BP
2MW4	0	PE	250	H2SO4	1	<2	NH3,NO3	BP
2MW4	0	PE	200	HNO3	1	<2	FE,HG,NA	BP
2MW4	0	PE	500	HNO3	NONE	<2	APP.I ICP METALS	BP
2MW4	0	CG	40	HCL	NONE	<2	APP.I 8260	BP
2MW4	0	CG	40	NONE	NONE	N/A	APP.I 8011	BP

REMARKS **WELL IS DRY.**

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW5	DATE:	April 25, 2016

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2				0	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	11.00	STATIC WATER:	0	GALLONS/ FOOT:	0	1 WELL VOLUME=	0

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
				0.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0000	0.00	0.00	0.00								
		0.00	0.00								
1055		0.00	0.00								

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*	STARTED:		ENDED:	1055
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):		TUBING MATERIAL CODE:		T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		
2MW5	0	PE	250	NONE	NONE	N/A	TDS,SO4,TURB.	BP
2MW5	0	PE	125	NONE	NONE	N/A	CL	BP
2MW5	0	PE	250	H2SO4	1	<2	NH3,NO3	BP
2MW5	0	PE	200	HNO3	1	<2	FE,HG,NA	BP
2MW5	0	PE	500	HNO3	NONE	<2	APP.I ICP METALS	BP
2MW5	0	CG	40	HCL	NONE	<2	APP.I 8260	BP
2MW5	0	CG	40	NONE	NONE	N/A	APP.I 8011	BP

REMARKS **WELL IS DRY**

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW6	DATE:	April 12, 2016

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2					BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	25	STATIC WATER:	0	GALLONS/ FOOT:	0	1 WELL VOLUME=	0

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
				0.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0	0.00	0.00	0.00								
		0.00	0.00								
1115		0.00	0.00								

DRY WELL

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*	STARTED:		ENDED:	1115
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):		TUBING MATERIAL CODE:		T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH	INTENDED ANALYSIS and/or METHOD	
2MW6	0	PE	250	NONE	NONE	N/A	CL,TDS,SO4,TURB.	BP
2MW6	0	PE	250	H2SO4	1	<2	NH3,NO3	BP
2MW6	0	PE	200	HNO3	1	<2	FE,HG,NA	BP
2MW6	0	PE	500	HNO3	NONE	<2	APP.I ICP METALS	BP
2MW6	0	CG	40	HCL	NONE	<2	APP.I 8260	BP
2MW6	0	CG	40	NONE	NONE	N/A	APP.I 8011	BP
2MW6								

REMARKS **WELL IS DRY.**

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	WEST PASCO CLASS III LF	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW7	DATE:	April 26, 2016

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
					BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	15.00	STATIC WATER:	0	GALLONS/ FOOT:	0	1 WELL VOLUME=	0

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
				0.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0	0.00	0.00									
		0.00	0.00								
1245		0.00	0.00								

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	WILFRED MARTFELD	*Wilfred Martfeld*	STARTED:		ENDED:	1245
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):		TUBING MATERIAL CODE:		T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
2MW7	0	PE	250	NONE	NONE	N/A	CL,TDS,COLOR			BP
2MW7	0	PE	250	H2SO4	1	<2	NH3,NO3			BP
2MW7	0	PE	250	HNO3	1	<2	FE,HG,NA			BP
2MW7	0	PE	250	HNO3	NONE	<2	APP.I (ICP METALS)	N/A	N/A	BP
2MW7	0	CG	40	NONE	NONE	N/A	APP.I (8011)	N/A	N/A	BP
2MW7	0	CG	40	HCL	NONE	<2	APP.I (8260)	N/A	N/A	BP
2MW7	0	CG	40	NONE	NONE	N/A	TRIP BLANK			O

REMARKS **WELL IS DRY. TWD=15.04**

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	WEST PASCO CLASS III LF	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW8	DATE:	April 26, 2016

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
					BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	18.00	STATIC WATER:	0	GALLONS/ FOOT:	0	1 WELL VOLUME=	0

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
				0.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0000	0.00	0.00									
		0.00	0.00								
1245		0.00	0.00								

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	WILFRED MARTFELD	*Wilfred Martfeld*	STARTED:		ENDED:	1245
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):		TUBING MATERIAL CODE:		T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
2MW8	0	PE	250	NONE	NONE	N/A	CL,TDS,COLOR			BP
2MW8	0	PE	250	H2SO4	1	<2	NH3,NO3			BP
2MW8	0	PE	250	HNO3	1	<2	FE,HG,NA			BP
2MW8	0	PE	250	HNO3	NONE	<2	APP.I (ICP METALS)	N/A	N/A	BP
2MW8	0	CG	40	NONE	NONE	N/A	APP.I (8011)	N/A	N/A	BP
2MW8	0	CG	40	HCL	NONE	<2	APP.I (8260)	N/A	N/A	BP
2MW8	0	CG	40	NONE	NONE	N/A	TRIP BLANK			O

REMARKS **WELL IS DRY.**

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	WEST PASCO CLASS III LF	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW9	DATE:	March 25, 2014

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
					BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	12.00	STATIC WATER:	0	GALLONS/ FOOT:	0	1 WELL VOLUME=	0

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
				0.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0000	0.00	0.00									
		0.00	0.00								
0955		0.00	0.00								

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	WILFRED MARTFELD	*Wilfred Martfeld*	STARTED:		ENDED:	0955
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):		TUBING MATERIAL CODE:		T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
2MW9	0	PE	250	NONE	NONE	N/A	CL,TDS,COLOR			BP
2MW9	0	PE	250	H2SO4	1	<2	NH3,NO3			BP
2MW9	0	PE	250	HNO3	1	<2	FE,HG,NA			BP
2MW9	0	PE	250	HNO3	NONE	<2	APP.I (ICP METALS)	N/A	N/A	BP
2MW9	0	CG	40	NONE	NONE	N/A	APP.I (8011)	N/A	N/A	BP
2MW9	0	CG	40	HCL	NONE	<2	APP.I (8260)	N/A	N/A	BP
2MW9	0	CG	40	NONE	NONE	N/A	TRIP BLANK			O

REMARKS **WELL IS DRY.**

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	WEST PASCO CLASS III LF	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW10	DATE:	April 26, 2016

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
					BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	15.00	STATIC WATER:	0	GALLONS/ FOOT:	0	1 WELL VOLUME=	0

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
				0.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0	0.00	0.00									
		0.00	0.00								
1240		0.00	0.00								

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	WILFRED MARTFELD	*Wilfred Martfeld*	STARTED:		ENDED:	1240
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):		TUBING MATERIAL CODE:		T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
2MW10	0	PE	250	NONE	NONE	N/A	CL,TDS,COLOR			BP
2MW10	0	PE	250	H2SO4	1	<2	NH3,NO3			BP
2MW10	0	PE	250	HNO3	1	<2	FE,HG,NA			BP
2MW10	0	PE	250	HNO3	NONE	<2	APP.I (ICP METALS)	N/A	N/A	BP
2MW10	0	CG	40	NONE	NONE	N/A	APP.I (8011)	N/A	N/A	BP
2MW10	0	CG	40	HCL	NONE	<2	APP.I (8260)	N/A	N/A	BP
2MW10	0	CG	40	NONE	NONE	N/A	TRIP BLANK			O

REMARKS **WELL IS DRY.**

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW13D	DATE:	March 25, 2014

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2				0	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	18	STATIC WATER:	0	GALLONS/ FOOT:	0	1 WELL VOLUME=	0

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
				0.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0	0.00	0.00	0.00								
		0.00	0.00								
1533		0.00	0.00								

DRY WELL

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*	STARTED:		ENDED:	1533
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):		TUBING MATERIAL CODE:		T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		
2MW13D	0	PE	250	NONE	NONE	N/A	CL,TDS,SO4,TURB.	BP
2MW13D	0	PE	250	H2SO4	1	<2	NH3,NO3	BP
2MW13D	0	PE	200	HNO3	1	<2	FE,HG,NA	BP
2MW13D	0	PE	500	HNO3	NONE	<2	APP.I ICP METALS	BP
2MW13D	0	CG	40	HCL	NONE	<2	APP.I 8260	BP
2MW13D	0	CG	40	NONE	NONE	N/A	APP.I 8011	BP
2MW13D								

REMARKS **WELL IS DRY.**

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW15AD	DATE:	April 27, 2016

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2				21.48	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	44	STATIC WATER:	21.48	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	3.6032

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1453	1504	4.50

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)7.43	COLOR (describe)	ODOR (describe)
1504	3.60	3.60	0.32	***							
	0.00	3.60	0.32	***							
1510	0.90	4.50	0.32	***	7.74	27.01	241	1.19	33.6	CLOUDY	NONE

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	Wilfred Martfeld	STARTED:		ENDED:	1510
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	1200	TUBING MATERIAL CODE:		T
FIELD DECONTAMINATION:	YES	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
2MW15AD	1	PE	250	NONE	NONE	N/A	CL,TDS	4/9/16	03	BP
2MW15AD	1	PE	250	H2SO4	1	<2	NH3,NO3	4/16/16	04	BP
2MW15AD	1	PE	500	HNO3	1	<2	FE,HG,NA	4/23/16	04	BP
2MW15AD	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
2MW15AD	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
2MW15AD	3	CG	40	NONE	NONE	N/A	APP.I 8011			BP
2MW15AD	1	CG	40	HCL	NONE	<2	TRIP BLANK			O

REMARKS	**NGVD=33.23**	Well ran dry prior to one well volume purged; time allotted for recharge prior to sampling.

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW17S	DATE:	April 27, 2016

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2				26.49	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	38	STATIC WATER:	26.49	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	1.8416

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1342	1348	5.52

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1348	1.84	1.84	0.32	28.00	6.33	26.80	248	1.13	25.4	CLOUDY	NONE
1354	1.84	3.68	0.32	28.00	6.31	26.79	246	1.11	24.9	CLOUDY	NONE
1400	1.84	5.52	0.32	28.00	6.29	26.78	243	1.10	24.6	CLOUDY	NONE

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*		STARTED:		ENDED:	1400
PUMP OR TUBING IN WELL (feet):	34.7-37.7	SAMPLE PUMP FLOW RATE (ML/MIN.):	1200	TUBING MATERIAL CODE:			T
FIELD DECONTAMINATION:	YES	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
2MW17S	1	PE	250	NONE	NONE	N/A	CL,TDS	4/9/16	03	BP
2MW17S	1	PE	250	H2SO4	1	<2	NH3,NO3	4/16/16	04	BP
2MW17S	1	PE	250	HNO3	1	<2	FE,HG,NA	4/21/16	04	BP
2MW17S	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
2MW17S	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
2MW17S	3	CG	40	NONE	NONE	N/A	APP.I 8011			BP
2MW17S	1	CG	40	HCL	NONE	<2	TRIP BLANK			O
REMARKS	**NGVD=26.93**									

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW18D	DATE:	April 14, 2016

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2				25.60	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	40	STATIC WATER:	25.60	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	2.304

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1239	1246	6.90

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1246	2.30	2.30	0.32	26.00	6.98	25.13	290	1.00	4.9	CLEAR	NONE
1253	2.30	4.60	0.32	26.00	6.99	25.10	298	0.98	3.8	CLEAR	NONE
1300	2.30	6.90	0.32	26.00	7.01	25.08	300	0.93	2.4	CLEAR	NONE

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*		STARTED:		ENDED:	1300
PUMP OR TUBING IN WELL (feet):	38.9-41.9	SAMPLE PUMP FLOW RATE (ML/MIN.):	1200	TUBING MATERIAL CODE:			T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
2MW18D	2	PE	250	NONE	NONE	N/A	CL,TDS	3/30/16	09	BP
2MW18D	1	PE	250	H2SO4	1	<2	NH3,NO3	3/30/16	09	BP
2MW18D	1	PE	500	HNO3	1	<2	FE,HG,NA	3/30/16	10	BP
2MW18D	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
2MW18D	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
2MW18D	3	CG	40	NONE	NONE	N/A	APP.I 8011			BP
2MW18D	1	CG	40	HCL	NONE	<2	TRIP BLANK			O
REMARKS	**NGVD=27.15**									

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW19D	DATE:	April 14, 2016

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2				24.37	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	55	STATIC WATER:	24.37	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	4.9008

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1016	1132	7.35

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
1132	4.90	4.90	0.32	24.60	6.78	26.10	601	1.06	57.1	CLOUDY	NONE
1136	1.23	6.13	0.32	24.60	6.77	26.01	598	1.04	56.2	CLOUDY	NONE
1140	1.23	7.35	0.32	24.60	6.71	26.02	596	1.02	54.6	CLOUDY	NONE

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*		STARTED:		ENDED:	1140
PUMP OR TUBING IN WELL (feet):	43.0-46.0	SAMPLE PUMP FLOW RATE (ML/MIN.):	1200	TUBING MATERIAL CODE:			T
FIELD DECONTAMINATION:	YES	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
2MW19D	2	PE	250	NONE	NONE	N/A	CL,TDS	3/30/16	09	BP
2MW19D	1	PE	250	H2SO4	1	<2	NH3,NO3	3/30/16	09	BP
2MW19D	1	PE	500	HNO3	1	<2	FE,HG,NA	3/30/16	10	BP
2MW19D	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
2MW19D	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
2MW19D	3	CG	40	NONE	NONE	N/A	APP.I 8011			BP
2MW19D	1	CG	40	HCL	NONE	<2	TRIP BLANK			O

REMARKS	**NGVD=27.88**	Pump air intake needed to be replaced; pump fell into well while removing. Retrived well and replaced fixtures. Cleaned pump and tubing with 2-propanol and D.I. water.

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW20D	DATE:	March 17, 2010

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2				23.74	B

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	52	STATIC WATER:	23.74	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	4.5216

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
				0.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
	4.52	4.52	0.32								
	1.23	5.75	0.32								
1120	1.23	6.98	0.32	23.74	7.66	22.26	392	2.72	0.0	CLEAR	NONE

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	Wilfred Martfeld	STARTED:		ENDED:	0	
PUMP OR TUBING IN WELL (feet):	34.7-37.7	SAMPLE PUMP FLOW RATE (ML/MIN.):	1200	TUBING MATERIAL CODE:	T		
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
2MW20D	1	PE	250	NONE	NONE	N/A	CL,TDS,TURB.	3/10/10	03	BP
2MW20D	1	PE	250	H2SO4	1	<2	NH3,NO3	3/10/10	03	BP
2MW20D	1	PE	250	HNO3	1	<2	FE,HG,NA	3/10/10	02	BP
2MW20D	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
2MW20D	4	CG	40	HCL	NONE	<2	APP.I 8260			BP
2MW20D	2	CG	40	NONE	NONE	N/A	APP.I 8011			BP
2MW20D										
REMARKS	**NGVD=29.70**									

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW24D	DATE:	April 25, 2016

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2				20.80	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	44.00	STATIC WATER:	20.80	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	3.712

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVO		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT	TOTAL VOLUME PURGED (GALLONS):
		1354	1418	5.57

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs\)	COLOR (describe)	ODOR (describe)
1418	3.71	3.71	0.16	21.50	6.11	27.26	466	0.94	4.2	CLEAR	NONE
1424	0.93	4.64	0.16	21.50	6.13	27.24	464	0.91	1.4	CLEAR	NONE
1430	0.93	5.57	0.16	21.50	6.14	27.23	456	0.87	0.0	CLEAR	NONE

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*	D:	ENDED:	1430
PUMP OR TUBING IN WELL (feet):	43.0-46.0	SAMPLE PUMP FLOW RATE (ML/MIN.):	600	TUBING MATERIAL CODE:	T
FIELD DECONTAMINATION:	YES	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
2MW24D	2	PE	250	NONE	NONE	N/A	CL,TDS	3/30/16	09	BP
2MW24D	1	PE	250	H2SO4	1	<2	NH3,NO3	3/30/16	09	BP
2MW24D	1	PE	500	HNO3	1	<2	FE,HG,NA	3/30/16	10	BP
2MW24D	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS		0.9275	BP
2MW24D	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
2MW24D	3	CG	40	NONE	NONE	N/A	APP.I 8011			BP
	1	CG	40	HCL	NONE	<2	TRIP BLANK			O
REMARKS	**NGVD=29.75**									

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW24S	DATE:	April 25, 2016

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2				20.65	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	26.00	STATIC WATER:	20.65	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	0.856

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1030	1107	0.86

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1107	0.86	0.86	0.03								
	0.00	0.86	0.03								
1107	0.00	0.86	0.03								

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*		STARTED:		ENDED:	1107
PUMP OR TUBING IN WELL (feet):	43.0-46.0	SAMPLE PUMP FLOW RATE (ML/MIN.):	100	TUBING MATERIAL CODE:			T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
2MW24S	0	PE	250	NONE	NONE	N/A	CL,TDS			BP
2MW24S	0	PE	250	H2SO4	1	<2	NH3,NO3			BP
2MW24S	0	PE	250	HNO3	1	<2	FE,HG,NA			BP
2MW24S	0	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
2MW24S	0	CG	40	HCL	NONE	<2	APP.I 8260			BP
2MW24S	0	CG	40	NONE	NONE	N/A	APP.I 8011			BP
REMARKS	**NGVD=29.72**	ATTEMPT TO PURGE WELL WAS UNSUCCESSFUL. WELL RAN DRY. **IFS**								

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW25D	DATE:	April 26, 2016

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2				17.90	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	32	STATIC WATER:	17.90	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	2.256

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		0932	0946	4.52

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0946	2.26	2.26	0.16	18.50	7.09	25.54	551	1.11	18.9	CLOUDY	NONE
0953	1.13	3.39	0.16	18.50	7.10	25.49	548	1.06	18.1	CLOUDY	NONE
1000	1.13	4.52	0.16	18.50	7.03	25.50	544	1.04	17.4	CLOUDY	NONE

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*		STARTED:		ENDED:	1000
PUMP OR TUBING IN WELL (feet):	43.0-46.0	SAMPLE PUMP FLOW RATE (ML/MIN.):	600	TUBING MATERIAL CODE:			T
FIELD DECONTAMINATION:	YES	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
2MW25D	2	PE	250	NONE	NONE	N/A	CL,TDS	3/30/16	09	BP
2MW25D	1	PE	250	H2SO4	1	<2	NH3,NO3	3/30/16	09	BP
2MW25D	1	PE	500	HNO3	1	<2	FE,HG,NA	4/15/16	02	BP
2MW25D	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
2MW25D	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
2MW25D	3	CG	40	NONE	NONE	N/A	APP.I 8011			BP
2MW25D	1	CG	40	HCL	NONE	<2	TRIP BLANK			O
REMARKS	**NGVD= 29.97**									

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW25S	DATE:	April 25, 2016

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2				16.98	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	14.5	STATIC WATER:	16.98	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	-0.3968

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
				-0.40

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
	-0.40	-0.40	0.29								
	0.00	-0.40	0.29								
1515	0.00	-0.40	0.29								

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*	STARTED:		ENDED:	1515	
PUMP OR TUBING IN WELL (feet):	43.0-46.0	SAMPLE PUMP FLOW RATE (ML/MIN.):	1100	TUBING MATERIAL CODE:	T		
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
2MW25S	0	PE	250	NONE	NONE	N/A	CL,TDS			BP
2MW25S	0	PE	250	H2SO4	1	<2	NH3,NO3			BP
2MW25S	0	PE	250	HNO3	1	<2	FE,HG,NA			BP
2MW25S	0	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
2MW25S	0	CG	40	HCL	NONE	<2	APP.I 8260			BP
2MW25S	0	CG	40	NONE	NONE	N/A	APP.I 8011			BP
REMARKS	**NGVD=DRY**	Water level measures deeper than reported well depth; attempted to purge well was unsuccessful; well ran dry. Reporting well as dry.								

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW26D	DATE:	April 26, 2016

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2				23.74	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	55	STATIC WATER:	23.74	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	5.0016

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1010	1052	7.50

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1052	5.00	5.00	0.11	24.20	7.22	27.08	458	0.91	11.0	CLEAR	NONE
1103	1.25	6.25	0.11	24.20	7.21	27.04	449	0.89	10.4	CLEAR	NONE
1115	1.25	7.50	0.11	24.20	7.16	27.02	442	0.82	10.2	CLEAR	NONE

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*		STARTED:		ENDED:	1115
PUMP OR TUBING IN WELL (feet):	43.0-46.0	SAMPLE PUMP FLOW RATE (ML/MIN.):	450	TUBING MATERIAL CODE:			T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
2MW26D	1	PE	250	NONE	NONE	N/A	CL,TDS	3/30/16	09	BP
2MW26D	1	PE	250	H2SO4	1	<2	NH3,NO3	3/30/16	09	BP
2MW26D	1	PE	250	HNO3	1	<2	FE,HG,NA	4/15/16	02	BP
2MW26D	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
2MW26D	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
2MW26D	3	CG	40	NONE	NONE	N/A	APP.I 8011			BP
2MW26D	1	CG	40	HCL	NONE	<2	TRIP BLANK			O
REMARKS	**NGVD= 30.39**									

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW26S	DATE:	April 26, 2016

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2				23.00	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	23	STATIC WATER:	23	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	0

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
				0.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
	0.00	0.00	0.29								
	0.00	0.00	0.29								
1010	0.00	0.00	0.29								

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*	STARTED:		ENDED:	1010
PUMP OR TUBING IN WELL (feet):	43.0-46.0	SAMPLE PUMP FLOW RATE (ML/MIN.):	1100	TUBING MATERIAL CODE:		T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
2MW26S	0	PE	250	NONE	NONE	N/A	CL,TDS	N/A	N/A	BP
2MW26S	0	PE	250	H2SO4	1	<2	NH3,NO3	N/A	N/A	BP
2MW26S	0	PE	250	HNO3	1	<2	FE,HG,NA	N/A	N/A	BP
2MW26S	0	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
2MW26S	0	CG	40	HCL	NONE	<2	APP.I 8260			
2MW26S	0	CG	40	NONE	NONE	N/A	APP.I 8011			
REMARKS	**NGVD=DRY**	DRY								

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW27D	DATE:	April 28, 2016

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2				18.64	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	42	STATIC WATER:	18.64	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	3.7376

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1307	1319	5.60

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1319	3.74	3.74	0.32	20.00	7.51	26.17	344	1..03	14.8	CLOUDY	NONE
1322	0.93	4.67	0.32	20.00	7.54	26.16	342	1.02	12.2	CLOUDY	NONE
1325	0.93	5.60	0.32	20.00	7.59	26.14	341	1.00	10.2	CLOUDY	NONE

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*		STARTED:		ENDED:	1325
PUMP OR TUBING IN WELL (feet):	43.0-46.0	SAMPLE PUMP FLOW RATE (ML/MIN.):	1.2	TUBING MATERIAL CODE:	T		
FIELD DECONTAMINATION:	YES	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
2MW27D	1	PE	250	NONE	NONE	N/A	CL,TDS	4/16/16	04	BP
2MW27D	1	PE	250	H2SO4	1	<2	NH3,NO3	4/16/16	04	BP
2MW27D	1	PE	500	HNO3	1	<2	FE,HG,NA	4/23/16	04	BP
2MW27D	3	CG	40	HCL	NONE	<2	8260			BP
2MW27D	3	CG	40	NONE	NONE	N/A	8011			BP
2MW27D	1	PE	500	HNO3	NONE	<2	APP. I METALS			BP
2MW27D	1	CG	40	HCL	NONE	<2	TRIP BLANK			O
REMARKS	**NGVD=31.68**									

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW27S	DATE:	April 28, 2016

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2				21.00	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	21	STATIC WATER:	21	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	0

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
				0.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
	0.00	0.00	0.29	DRY							
	0.00	0.00	0.29	DRY							
0019	0.00	0.00	0.29	DRY							

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*	STARTED:		ENDED:	0019
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	0	TUBING MATERIAL CODE:		T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
2MW27S	0	PE	250	NONE	NONE	N/A	CL,TDS,TURB.			BP
2MW27S	0	PE	250	H2SO4	1	<2	NH3,NO3			BP
2MW27S	0	PE	250	HNO3	1	<2	FE,HG,NA			BP
2MW27S	0	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
2MW27S	0	CG	40	HCL	NONE	<2	APP.I 8260			BP
2MW27S	0	CG	40	NONE	NONE	N/A	APP.I 8011			BP
REMARKS	**NGVD=DRY**	DRY								

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	4MW1	DATE:	April 28, 2016

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
4				16.75	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	42	STATIC WATER:	16.75	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	16.4125

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1401	1440	24.61

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1440	16.41	16.41	0.42	16.90	7.04	25.74	746	0.99	3.9	CLEAR	NONE
1450	4.10	20.51	0.42	16.90	7.01	25.71	744	0.98	3.2	CLEAR	NONE
1500	4.10	24.61	0.42	16.90	6.94	25.70	741	0.91	1.4	CLEAR	NONE

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*		STARTED:		ENDED:	1500
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	1600	TUBING MATERIAL CODE:			T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
4MW1	1	PE	250	NONE	NONE	N/A	CL,TDS	4/16/16	04	BP
4MW1	1	PE	250	H2SO4	1	<2	NH3,NO3	4/16/16	04	BP
4MW1	1	PE	500	HNO3	1	<2	FE,HG,NA	4/25/16	04	BP
4MW1	1	PE	500	HNO3	NONE	<2	APP.I ICP METALS			BP
4MW1	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
4MW1	3	CG	40	NONE	NONE	N/A	APP.I 8011			BP
4MW1	1	CG	40	HCL	NONE	<2	TRIP BLANK			O
REMARKS	**NGVD=33.59**									

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	4MW2	DATE:	April 14, 2016

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
4				21.98	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	69	STATIC WATER:	21.98	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	30.563

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1331	1444	45.84

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (observed)	ODOR (observed)
1444	30.56	30.56	0.42	22.00	7.91	26.58	206	1.09	7.4	CLEAR	NONE
1502	7.64	38.20	0.42	22.00	7.86	26.56	204	1.06	4.2	CLEAR	NONE
1520	7.64	45.84	0.42	22.00	7.85	26.54	203	1.05	1.8	CLEAR	NONE

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*		STARTED:		ENDED:	1520
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	1600	TUBING MATERIAL CODE:			T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
4MW2	2	PE	250	NONE	NONE	N/A	CL,TDS	3/30/16	09	BP
4MW2	1	PE	250	H2SO4	1	<2	NH3,NO3	3/30/16	09	BP
4MW2	1	PE	250	HNO3	0	<2	FE,HG,NA	3/30/16	10	BP
4MW2	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
4MW2	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
4MW2	3	CG	40	NONE	NONE	N/A	APP.I 8011			BP
4MW2	1	CG	40	HCL	NONE	<2	TRIP BLANK			O

REMARKS	**NGVD=34.13**

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	WEST PASCO CLASS III LF	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	4MW3A	DATE:	March 25, 2014

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
4				26.73	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	44.00	STATIC WATER:	26.73	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	11.2255

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
			0830	0.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1305											

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	WILFRED MARTFELD	*Wilfred Martfeld*	STARTED:		ENDED:	1305
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	1200	TUBING MATERIAL CODE:		T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
4MW3A	0	PE	250	NONE	NONE	N/A	CL,TDS	N/A	N/A	BP
4MW3A	0	PE	250	H2SO4	1	<2	NH3,NO3	N/A	N/A	BP
4MW3A	0	PE	250	HNO3	1	<2	FE,HG,NA	N/A	N/A	BP
4MW3A	0	PE	250	HNO3	NONE	<2	APP.I (ICP METALS)	N/A	N/A	BP
4MW3A	0	CG	40	NONE	NONE	N/A	APP.I (8011)	N/A	N/A	BP
4MW3A	0	CG	40	HCL	NONE	<2	APP.I (8260)	N/A	N/A	BP
4MW3A										
REMARKS	**NGVD=26.19**	WATER LEVEL ONLY								

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	4MW4	DATE:	April 12, 2016

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
4				23.6	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	42.00	STATIC WATER:	23.6	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	11.96

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT	TOTAL VOLUME PURGED (GALLONS):
		1002	1030	17.94

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1030	11.96	11.96	0.42	24.00	7.34	24.26	280	1.04	0.0	CLEAR	NONE
1037	2.99	14.95	0.42	24.00	7.31	24.24	281	1.01	0.0	CLEAR	NONE
1044	2.99	17.94	0.42	24.00	7.29	24.18	284	1.03	0.0	CLEAR	NONE

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*		D:		ENDED:	1044
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	1600	TUBING MATERIAL CODE:			T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
4MW4	2	PE	250	NONE	NONE	N/A	CL,TDS.	3/30/16	09	BP
4MW4	1	PE	250	H2SO4	1	<2	NH3,NO3	3/30/16	09	BP
4MW4	1	PE	500	HNO3	1	<2	FE,HG,NA	3/30/16	08	BP
4MW4	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
4MW4	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
4MW4	3	CG	40	NONE	NONE	N/A	APP.I 8011			BP
4MW4	1	CG	40	HCL	NONE	<2	TRIP BLANK			O
REMARKS	**NGVD=27.21**									

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/-5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	4MW5	DATE:	April 25, 2016

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
4				21.20	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	77.00	STATIC WATER:	21.20	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	36.27

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		0840	1006	54.41

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1006	36.27	36.27	0.42	21.50	7.41	24.18	361	1.05	0.0	CLEAR	NONE
1028	9.07	45.34	0.42	21.50	7.44	24.17	360	1.04	0.0	CLEAR	NONE
1050	9.07	54.41	0.42	21.50	7.46	24.11	354	1.03	0.0	CLEAR	NONE

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	Wilfred Martfeld	STARTED:		ENDED:	1050
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	1600	TUBING MATERIAL CODE:		T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
4MW5	2	PE	250	NONE	NONE	N/A	CL,TDS	3/30/16	09	BP
4MW5	1	PE	250	H2SO4	1	<2	NH3,NO3	3/30/16	09	BP
4MW5	1	PE	250	HNO3	1	<2	FE,HG,NA	3/30/16	10	BP
4MW5	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
4MW5	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
4MW5	3	CG	40	NONE	NONE	N/A	APP.I 8011			BP
4MW5	1	CG	40	HCL	NONE	<2	TRIP BLANK			O
REMARKS	**NGVD=27.86**									

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/-5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	4MW6	DATE:	April 12, 2016

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
4				24.28	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	107.00	STATIC WATER:	24.28	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	53.768

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1116	1335	80.65

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
1335	53.77	53.77	0.68	24.30	7.64	25.19	188	1.15	5.9	CLEAR	NONE
1355	13.44	67.21	0.68	24.30	7.61	25.16	184	1.12	2.4	CLEAR	NONE
1415	13.44	80.65	0.68	24.30	7.53	25.15	182	1.14	0.8	CLEAR	NONE

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*	STARTED:		ENDED:	1415
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	2600	TUBING MATERIAL CODE:		T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
4MW6	2	PE	250	NONE	NONE	N/A	CL,TDS	3/30/16	09	BP
4MW6	1	PE	250	H2SO4	1	<2	NH3,NO3	3/30/16	09	BP
4MW6	1	PE	250	HNO3	1	<2	FE,HG,NA	3/30/16	10	BP
4MW6	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
4MW6	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
4MW6	3	CG	40	NONE	NONE	N/A	APP.I 8011			BP
4MW6	1	CG	40	HCL	NONE	<2	TRIP BLANK			O
REMARKS	**NGVD=31.65**									

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	WEST PASCO CLASS III LF	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	4MW7	DATE:	April 26, 2016

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
4				22.58	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	50.00	STATIC WATER:	22.58	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	17.823

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1406	1448	26.73

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1448	17.82	17.82	0.42	22.80	6.94	24.59	298	1.01	5.3	CLEAR	NONE
1459	4.46	22.28	0.42	22.80	6.91	24.56	297	1.02	4.8	CLEAR	NONE
1510	4.46	26.73	0.42	22.80	6.82	24.54	294	1.05	2.7	CLEAR	NONE

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	WILFRED MARTFELD	*Wilfred Martfeld*	STARTED:	ENDED:	1510
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	1600	TUBING MATERIAL CODE:	T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
4MW7	1	PE	250	NONE	NONE	N/A	CL,TDS	3/30/16	09	BP
4MW7	1	PE	250	H2SO4	20DROPS	<2	NH3,NO3	3/30/16	09	BP
4MW7	1	PE	500	HNO3	20DROPS	<2	FE,HG,NA	4/15/16	02	BP
4MW7	1	PE	250	HNO3	NONE	<2	APP.I (ICP METALS)	N/A	N/A	BP
4MW7	3	CG	40	NONE	NONE	N/A	APP.I (8011)	N/A	N/A	BP
4MW7	3	CG	40	HCL	NONE	<2	APP.I (8260)	N/A	N/A	BP
4MW7	1	CG	40	HCL	NONE	<2	TRIP BLANK	N/A	N/A	O
REMARKS	**NGVD=30.04**									

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	WEST PASCO CLASS III LF	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	4MW8	DATE:	April 26, 2016

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
4				21.85	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	41.00	STATIC WATER:	21.85	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	12.4475

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1321	1351	18.67

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1351	12.45	12.45	0.42	20.90	7.04	23.89	258	1.11	0.0	CLEAR	NONE
1358	3.11	15.56	0.42	20.90	7.01	23.86	256	1.06	0.0	CLEAR	NONE
1405	3.11	18.67	0.42	20.90	6.97	23.90	250	1.04	0.0	CLEAR	NONE

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	WILFRED MARTFELD	*Wilfred Martfeld*		STARTED:		ENDED:	1405
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	1600	TUBING MATERIAL CODE:			T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
4MW8	1	PE	250	NONE	NONE	N/A	CL,TDS	3/30/16	09	BP
4MW8	1	PE	250	H2SO4	20DROPS	<2	NH3,NO3	3/30/16	09	BP
4MW8	1	PE	500	HNO3	20DROPS	<2	FE,HG,NA	4/15/16	02	BP
4MW8	1	PE	250	HNO3	NONE	<2	APP.I (ICP METALS)	N/A	N/A	BP
4MW8	3	CG	40	NONE	NONE	N/A	APP.I (8011)	N/A	N/A	BP
4MW8	3	CG	40	HCL	NONE	<2	APP.I (8260)	N/A	N/A	BP
4MW8	1	CG	40	HCL	NONE	<2	TRIP BLANK	N/A	N/A	O
REMARKS	**NGVD=30.02**									

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	WEST PASCO CLASS III LF	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	4MW9	DATE:	April 26, 2016

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
4				24.04	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	51.00	STATIC WATER:	24.04	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	17.524

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1133	1215	26.28

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (ft)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1215	17.52	17.52	0.42	23.20	6.94	24.92	337	1.04	7.2	CLEAR	NONE
1225	4.38	21.90	0.42	23.20	6.88	24.81	338	1.04	5.6	CLEAR	NONE
1235	4.38	26.28	0.42	23.20	6.84	24.87	342	1.08	4.5	CLEAR	NONE

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	WILFRED MARTFELD	*Wilfred Martfeld*		STARTED:		ENDED:	1235
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	1600	TUBING MATERIAL CODE:			T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
4MW9	1	PE	250	NONE	NONE	N/A	CL,TDS	3/30/16	09	BP
4MW9	1	PE	250	H2SO4	1	<2	NH3,NO3	3/30/16	09	BP
4MW9	1	PE	500	HNO3	1	<2	FE,HG,NA	4/15/16	02	BP
4MW9	1	PE	250	HNO3	NONE	<2	APP.I (ICP METALS)	N/A	N/A	BP
4MW9	3	CG	40	NONE	NONE	N/A	APP.I (8011)	N/A	N/A	BP
4MW9	3	CG	40	HCL	NONE	<2	APP.I (8260)	N/A	N/A	BP
4MW9	1	CG	40	HCL	NONE	<2	TRIP BLANK	N/A	N/A	O

REMARKS **NGVD=28.74**

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	4MW11D	DATE:	April 13, 2016

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
4				34.17	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	52	STATIC WATER:	34.17	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	11.5895

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		0855	0932	17.38

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
0932	11.59	11.59	0.32	34.50	7.44	23.10	189	1.05	0.0	CLEAR	NONE
0941	2.90	14.49	0.32	34.50	7.41	23.05	188	1.06	0.0	CLEAR	NONE
0950	2.90	17.38	0.32	34.50	7.38	23.03	186	1.08	0.0	CLEAR	NONE

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*	:	ENDED:	0950
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	1200	TUBING MATERIAL CODE:	T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
4MW11D	2	PE	250	NONE	NONE	N/A	CL,TDS	3/30/16	09	BP
4MW11D	1	PE	250	H2SO4	1	<2	NH3,NO3	3/30/16	09	BP
4MW11D	1	PE	500	HNO3	2	<2	FE,HG,NA	3/30/16	10	BP
4MW11D	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
4MW11D	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
4MW11D	3	CG	40	NONE	NONE	N/A	APP.I 8011			BP
4MW11D	1	CG	40	HCL	NONE	<2	trip blank			O
REMARKS	**NGVD=30.83**									

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	4MW12D	DATE:	April 13, 2016

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
4				25.05	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	55.00	STATIC WATER:	25.05	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	19.4675

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1000	1026	29.20

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1026	19.47	19.47	0.75	25.50	7.48	25.33	304	1.01	0.0	CLEAR	NONE
1033	4.87	24.33	0.75	25.50	7.44	25.31	301	0.99	0.0	CLEAR	NONE
1040	4.87	29.20	0.75	25.50	7.40	25.29	299	0.98	0.0	CLEAR	NONE

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*		STARTED:		ENDED:	1040
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	2800	TUBING MATERIAL CODE:			T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
4MW12D	2	PE	250	NONE	NONE	N/A	CL,TDS	3/30/16	09	BP
4MW12D	1	PE	250	H2SO4	1	<2	NH3,NO3	3/30/16	09	BP
4MW12D	1	PE	250	HNO3	1	<2	FE,HG,NA	3/30/16	10	BP
4MW12D	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
4MW12D	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
4MW12D	3	CG	40	NONE	NONE	N/A	APP.I 8011			BP
4MW12D	1	CG	40	HCL	NONE	<2	TRIP BLANK			O
REMARKS	**NGVD=29.98**									

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	4MW13D	DATE:	April 13, 2016

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2				24.59	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	36	STATIC WATER:	24.59	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	1.8256

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1122	1128	5.49

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1128	1.83	1.83	0.32	25.40	7.61	26.86	294	1.01	0.0	CLEAR	NONE
1134	1.83	3.66	0.32	25.40	7.58	26.84	301	1.04	0.0	CLEAR	NONE
1140	1.83	5.49	0.32	25.40	7.54	26.80	304	1.06	0.0	CLEAR	NONE

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*		STARTED:		ENDED:	1140
PUMP OR TUBING IN WELL (feet):	35.1-38.1	SAMPLE PUMP FLOW RATE (ML/MIN.):	1200	TUBING MATERIAL CODE:			T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
4MW13D	2	PE	250	NONE	NONE	N/A	CL,TDS	3/30/16	09	BP
4MW13D	1	PE	250	H2SO4	1	<2	NH3,NO3	3/30/16	09	BP
4MW13D	1	PE	250	HNO3	1	<2	FE,HG,NA	3/30/16	10	BP
4MW13D	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
4MW13D	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
4MW13D	3	CG	40	NONE	NONE	N/A	APP.I 8011			BP
4MW13D	1	CG	40	HCL	NONE	<2	TRIP BLANK			O
REMARKS	**NGVD=29.45**									

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	4MW14D	DATE:	April 25, 2016

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
4				21.96	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	50	STATIC WATER:	21.96	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	18.226

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1109	1207	27.34

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1207	18.23	18.23	0.32	22.40	6.31	26.81	306	1.13	6.8	CLEAR	NONE
1221	4.56	22.78	0.32	22.40	6.20	26.79	310	1.12	4.4	CLEAR	NONE
1235	4.56	27.34	0.32	22.40	6.20	26.77	314	1.14	0.0	CLEAR	NONE

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*		STARTED:		ENDED:	1235
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	1200	TUBING MATERIAL CODE:			T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
4MW14D	2	PE	250	NONE	NONE	N/A	CL,TDS	3/30/16	09	BP
4MW14D	1	PE	250	H2SO4	1	<2	NH3,NO3	3/30/16	09	BP
4MW14D	1	PE	500	HNO3	1	<2	FE,HG,NA	3/30/16	10	BP
4MW14D	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
4MW14D	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
4MW14D	3	CG	40	NONE	NONE	N/A	APP.I 8011			BP
4MW14D	1	CG	40	HCL	NONE	<2	TRIP BLANK			O
REMARKS	**NGVD=30.04**									

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	WEST PASCO CLASS III LF	SITE LOCATION:	HAYS ROAD (28°22'22.17"/82°34'14.48")		
WELL NO.		SAMPLE ID:	4MW21	DATE:	March 10, 2015

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2		24.2	39.2	20.64	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	39.70	STATIC WATER:	20.64	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	3.0496

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

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):
		1330	1340	9.15

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1340	3.05	3.05	0.32	21.00	7.12	24.62	134	2.26	18.1	CLEAR	NONE
1350	3.05	6.10	0.32	21.00	7.14	24.64	131	2.26	16.9	CLEAR	NONE
1400	3.05	9.15	0.32	21.00	7.17	24.65	129	2.24	14.8	CLEAR	NONE

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): 0.75"=0.02; 1"=0.04; 1.25"=0.06; 2"=0.16; 3"=0.37; 4"=0.65; 5"=1.02; 6"=1.47; 12"=5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8"=0.0006; 3/16"=0.0014; 1/4"=0.0026; 5/16"=0.004; 3/8"=0.006; 1/2"=0.010; 5/8"=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	WILFRED MARTFELD	Wilfred Martfeld	STARTED:	ENDED:	1400
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	1200	TUBING MATERIAL CODE:	T
FIELD DECONTAMINATION:	YES	NO	FILTER SIZE (UM):	DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
4MW21	1	PE	250	NONE	NONE	N/A	CL,TDS	2/27/15	05	BP
4MW21	1	PE	250	H2SO4	20DROPS	<2	NH3,NO3	2/13/15	04	BP
4MW21	0	PE	250	HNO3	20DROPS	<2	FE,HG,NA	N/A	N/A	BP
4MW21	1	PE	250	HNO3	NONE	<2	APP.I (ICP METALS)	N/A	N/A	BP
4MW21	3	CG	40	NONE	NONE	N/A	APP.I (8011)	N/A	N/A	BP
4MW21	3	CG	40	HCL	NONE	<2	APP.I (8260)	N/A	N/A	BP
4MW21	1	CG	40	HCL	NONE	<2	TRIP BLANK	N/A	N/A	O
REMARKS	NGVD=30.82									

MATERIAL CODES: AG=AMBER GLASS; CG=CLEAR GLASS; PE=POLYETHYLENE; PP=POLYPROPYLENE; S=SILICONE; T=TEFLON; O=OTHER

SAMPLING/PURGING EQUIPMENT CODES: APP=After Peristaltic Pump; B=Bailer; BP=Bladder Pump; ESP=Electric Submersible Pump; PP=Peristaltic Pump Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify) RFPP=Reverse Flow

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) Turbidity: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	WEST PASCO CLASS III LF	SITE LOCATION:	HAYS ROAD (28°22'24.97"/82°34'10.05")		
WELL NO.		SAMPLE ID:	4MW22	DATE:	March 10, 2015

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2		30.3	45.3	23.80	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	45.80	STATIC WATER:	23.8	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	3.52

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1440	1451	10.56

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1451	3.52	3.52	0.32	24.00	7.78	23.98	386	1.15	19.1	CLOUDY	NONE
1502	3.52	7.04	0.32	24.00	7.81	24.00	387	1.14	17.2	CLOUDY	NONE
1513	3.52	10.56	0.32	24.00	7.84	24.05	388	1.11	14.7	CLOUDY	NONE

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	WILFRED MARTFELD	*Wilfred Martfeld*	STARTED:		ENDED:	1513	
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	1200	TUBING MATERIAL CODE:	T		
FIELD DECONTAMINATION:	YES	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
4MW22	1	PE	250	NONE	NONE	N/A	CL,TDS	2/27/15	05	BP
4MW22	1	PE	250	H2SO4	20DROPS	<2	NH3,NO3	2/27/15	05	BP
4MW22	0	PE	250	HNO3	20DROPS	<2	FE,HG,NA	N/A	N/A	BP
4MW22	1	PE	250	HNO3	NONE	<2	APP.I (ICP METALS)	N/A	N/A	BP
4MW22	3	CG	40	NONE	NONE	N/A	APP.I (8011)	N/A	N/A	BP
4MW22	3	CG	40	HCL	NONE	<2	APP.I (8260)	N/A	N/A	BP
4MW22	1	CG	40	HCL	NONE	<2	TRIP BLANK	N/A	N/A	O

REMARKS	**NGVD= 29.64**	Particulates in the water.

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	4MW27	DATE:	April 28, 2016

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
4				17.84	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	77	STATIC WATER:	17.84	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	38.454

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		0833	1004	57.67

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1004	38.45	38.45	0.42	18.00	7.85	24.98	252	0.94	0.0	CLEAR	NONE
1027	9.61	48.06	0.42	18.00	7.84	24.96	250	0.96	0.0	CLEAR	NONE
1050	9.61	57.67	0.42	18.00	7.81	25.01	248	1.01	0.0	CLEAR	NONE

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*		STARTED:		ENDED:	1050
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	1600	TUBING MATERIAL CODE:			T
FIELD DECONTAMINATION:	YES	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
4MW27	1	PE	250	NONE	NONE	N/A	CL,TDS	4/16/16	04	BP
4MW27	1	PE	250	H2SO4	1	<2	NH3,NO3	4/16/16	04	BP
4MW27	1	PE	250	HNO3	1	<2	FE,HG,NA	4/25/16	04	BP
4MW27	3	CG	40	HCL	NONE	<2	8260			BP
4MW27	3	CG	40	NONE	NONE	N/A	8011			BP
4MW27	1	PE	500	HNO3	NONE	<2	APP. I METALS			BP
	1	CG	40	HCL	NONE	<2	TRIP BLANK			
REMARKS	**NGVD=31.75**									

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	4MW27D	DATE:	April 28, 2016

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
4				17.53	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	156	STATIC WATER:	17.53	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	90.0055

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1007	1142	135.01

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (°C.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1142	90.01	90.01	0.95	18.00	7.68	24.18	340	0.97	2.0	CLEAR	NONE
1206	22.50	112.51	0.95	18.00	7.71	24.14	338	0.81	1.9	CLEAR	NONE
1230	22.50	135.01	0.95	18.00	7.72	24.11	337	0.85	0.5	CLEAR	NONE

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*	STARTED:		ENDED:	1230
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	3600	TUBING MATERIAL CODE:		T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
4MW27D	1	PE	250	NONE	NONE	N/A	CL,TDS	4/9/16	03	BP
4MW27D	1	PE	250	H2SO4	1	<2	NH3,NO3	4/16/16	04	BP
4MW27D	1	PE	250	HNO3	1	<2	FE,HG,NA	4/23/16	04	BP
4MW27D	3	CG	40	HCL	NONE	<2	8260			BP
4MW27D	3	CG	40	NONE	NONE	N/A	8011			BP
4MW27D	1	PE	500	HNO3	NONE	<2	APP. I METALS			BP
	1	CG	40	HCL	NONE	<2	TRIP BLANK			O
REMARKS	**NGVD=31.75**									

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does 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, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

RESOURCE RECOVERY
QUARTER-II 2016

WELL DATA					FIELD MEASUREMENTS							LAB MEASUREMENTS							ANALYST: WMM
WELL I.D.	DATE (DD-MMM)	SAMPLE TIME (24hr)	T.O.P. ELEVATION (ft)	STATIC H2O LEVEL (ft)	N.G.V.D. (ft)	PH	TEMP. (°C)	COND. (umhos/cm)	D.O. (mg/L)	TURB FIELD (NTU)	COLOR (OBS)	CL (mg/L)	TDS (mg/L)	NH-3 (mg/L)	NO-3 (mg/L)	FE (ug/L)	HG (ug/L)	NA+ (mg/L)	*SAMPLE #*
2MW1	**28-Apr**	0800	49.95	DRY	**DRY**														**DRY**
4MW1	**28-Apr**	1500	50.34	16.75	**33.59**	6.94	25.70	141	0.91	1.4	CLEAR	112	478	0.04 U	1.21	2.9 I	0.02 U	53.9	**AC38262**
2MW2	**14-Apr**	1350	56.41	21.71	**34.70**	7.78	25.63	181	1.03	4.2	CLEAR	8.42	86	0.04 U	5.09	124	0.04 I	3.64	**AC37703**
4MW2	**14-Apr**	1520	56.11	21.98	**34.13**	7.85	26.54	203	1.05	1.8	CLEAR	5.70	134	0.04 U	1.11	3.5 I	0.02 U	2.84	**AC37702**
2MW3A	**12-Apr**	0850	50.01	DRY	**DRY**														DRY
4MW3A	**12-Apr**	0900	52.92	24.77	**28.15**														**WATER LEVEL ONLY**
2MW4	**12-Apr**	1100	54.77	DRY	**DRY**														DRY
4MW4	**12-Apr**	1044	50.81	23.60	**27.21**	7.29	24.18	284	1.03	0.0	CLEAR	16.6	248	0.04 U	0.36	36.3	0.02 U	7.36	**AC37552**
2MW5	**25-Apr**	0900	49.17	DRY	**DRY**														**DRY**
4MW5	**25-Apr**	1050	49.06	21.20	**27.86**	7.46	24.11	354	1.03	0.0	CLEAR	126	372	0.14	0.73	76.9	0.02 U	26.8	**AC37990**
2MW6	**12-Apr**	1115	56.11	DRY	**DRY**														**DRY**
4MW6	**12-Apr**	1415	55.93	24.28	**31.65**	7.53	25.15	182	1.14	0.8	CLEAR	4.51	84	0.17	0.60	3.1 I	0.02 U	2.56	**AC37553**
2MW7	**26-Apr**	1410	52.75	DRY	**DRY**														DRY
4MW7	**26-Apr**	1510	52.62	22.58	**30.04**	6.82	24.54	299	1.05	2.7	CLEAR	21.1	200	0.05 I	0.07 I	131	0.02 U	5.43	**AC38082**
2MW8	**26-Apr**	1245	51.97	DRY	**DRY**														**DRY**
4MW8	**26-Apr**	1405	51.87	21.85	**30.02**	6.97	23.90	250	1.04	0.0	CLEAR	12.0	212	0.05 I	0.03 I	43.7	0.02 U	4.85	**AC38081**
2MW9	**26-Apr**	1120	52.29	DRY	**DRY**														**DRY**
4MW9	**26-Apr**	1235	52.78	24.04	**28.74**	6.84	24.87	342	1.08	4.5	CLEAR	28.3	248	0.04 I	0.31	154	0.02 U	9.83	**AC38080**
2MW10	**26-Apr**	1240	52.63	DRY	**DRY**														DRY
4MW-11D	**13-Apr**	0950	65.00	34.17	**30.83**	7.38	23.03	186	1.08	0.0	CLEAR	26.4	214	0.04 U	0.59	70.5	0.02 U	7.96	**AC37639**
4MW-12D	**13-Apr**	1040	55.03	25.05	**29.98**	7.40	25.29	299	0.98	0.0	CLEAR	34.1	250	0.04 U	0.78	5.1 I	0.02 U	7.77	**AC37640**
2MW-13D	**13-Apr**	1150	52.39	DRY	**DRY**														**DRY**
4MW-13D	**13-Apr**	1140	54.04	24.59	**29.45**	7.54	26.80	304	1.06	0.0	CLEAR	23.4	262	0.04 I	0.05 I	18.0	0.04 I	9.3	**AC37641**
4MW-14D	**25-Apr**	1235	52.00	21.96	**30.04**	6.20	26.77	314	1.14	0.0	CLEAR	26.4	334	0.04 U	0.60	114	0.02 U	12.2	**AC37991**
2MW-15AD	**27-Apr**	1510	54.71	21.48	**33.23**	7.74	27.01	241	1.19	33.6	CLOUDY	9.23	172	0.05 I	0.18	374	0.02 U	4.37	**AC38193**
2MW-17S	**27-Apr**	1400	53.42	26.49	**26.93**	6.29	26.78	243	1.10	24.6	CLOUDY	13.5	130	0.14 I	4.13	132.0	0.02 U	2.38	**AC38192**
2MW-18D	**14-Apr**	1300	52.75	25.60	**27.15**	7.01	25.08	300	0.93	2.4	CLEAR	31.9	308	0.04 I	0.50	50.1	0.03 I	10.7	**AC37701**
2MW-19D	**14-Apr**	1140	52.25	24.37	**27.88**	6.71	26.02	596	1.02	54.6	WHITE	45.4	278	0.04 U	0.21	925	1.99	6.48	**AC37700**
4MW 21	**27-Apr**	1030	51.46	22.01	**29.45**														**IFS**
4MW 22	**27-Apr**	1140	53.44	24.49	**28.95**														**IFS**
2MW-24S	**25-Apr**	1330	50.37	20.65	**29.72**														IFS

WELL I.D.	DATE (DD-MMM)	SAMPLE TIME (24hr)	T.O.P. ELEVATION (ft)	STATIC H2O LEVEL (ft)	N.G.V.D. (ft)	PH	TEMP. (°C)	COND. (umhos/cm)	D.O. (mg/L)	TURB FIELD (NTU)	COLOR (OBS)	CL (mg/L)	TDS (mg/L)	NH-3 (mg/L)	NO-3 (mg/L)	FE (ug/L)	HG (ug/L)	NA+ (mg/L)	***SAMPLE #***
2MW-24D	**25-Apr**	1430	50.55	20.80	**29.75**	6.14	27.23	456	0.87	0.0	CLEAR	55.4	236	0.11 I	1.62	3630	0.02 U	25.5	**AC37992**
2MW-25S	**25-Apr**	1515	47.84	16.98	**DRY**														**DRY**
2MW-25D	**26-Apr**	1000	47.87	17.90	**29.97**	7.03	25.50	544	1.04	17.4	CLOUDY	87.0	436	0.05 I	0.98	170	0.02 U	40.0	**AC38078**
2MW-26S	**26-Apr**	1010	54.16	22.39	**DRY**														**DRY**
2MW-26D	**26-Apr**	1115	54.13	23.74	**30.39**	7.16	27.02	442	0.82	10.2	CLEAR	60.0	338	0.05 I	0.32	143.0	0.02 U	27.60	**AC38079**
2MW-27S	**28-Apr**	0855	50.44	50.44	**DRY**														**DRY**
2MW-27D	**28-Apr**	1325	50.32	18.64	**31.68**	7.59	26.14	341	1.00	10.7	CLOUDY	120	480	0.04 I	1.35	578.0	0.02 U	50.6	**AC38261**
4MW-27	**28-Apr**	1050	49.60	17.84	**31.76**	7.81	25.01	248	1.01	0.0	CLEAR	107	444	0.05 I	0.54	37.9	0.02 U	39.9	**AC38260**
4MW-27D	**28-Apr**	1230	49.28	17.53	**31.75**	7.72	24.11	337	0.85	0.5	CLEAR	5.13	154	0.20 I	0.03 I	63.8	0.02 U	3.48	**AC38259**

Notes: Appendix I taken for all wells sampled. West Pasco Class III included in resource recovery. 4MW3A water level only.

Calibration						
DATE	TIME		STD	INSTUMENT	CALIBRATED	TYPE
(mm/dd/yy)	(24hr)	STD	VALUE	RESPONSE	(YES, NO)	(init,cont)
04/12/16	0900	pH	7.00	7.18	YES	INT
04/12/16	0900	pH	4.00	3.97	YES	INT
04/12/16	0900	conductivity	200.00	223	YES	INT
04/12/16	0900	turbidity	40.00	41	YES	INT
04/12/16	0900	turbidity	0.00	0	YES	INT
04/12/16	0900	D.O.	8.55	9.24	YES	INT
04/12/16	1520	pH	7.00	7.36	YES	CONT
04/12/16	1520	pH	4.00	4.21	YES	CONT
04/13/16	0800	pH	7.00	7.61	YES	INT
04/13/16	0800	pH	4.00	4.88	NO	INT
04/13/16	0800	conductivity	200.00	194	YES	INT
04/13/16	0800	turbidity	40.00	48	YES	INT
04/13/16	0800	turbidity	0.00	0	YES	INT
04/13/16	0800	D.O.	8.51	10.4	YES	INT
04/13/16	1200	pH	7.00	7.35	YES	CONT
04/13/16	1200	pH	4.00	4.24	YES	CONT

CALIBRATION

SAMPLER INITIALS
WMM
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