PASCO COUNTY, FLORIDA

"Bringing Opportunities Home"

DADE CITY (352) 511-4274
LAND O' LAKES (813) 996-7341
NEW PORT RICHEY (727) 847-8145

UTILITIES SERVICES BRANCH
PUB. WKS./UTILITIES BLDG. S-213
7530 LITTLE ROAD
NEW PORT RICHEY, FL 34654

29 May 2015

Mr. John Morris
Environmental Specialist III
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, 2015

Dear Mr. Morris

This submittal is for the Semester I, 2015 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
Nathan Schmaus, CDMSmith, Westshore Center Suite 875, 1715 North Westshore Blvd., Tampa, Fl 33607

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 Zip 34610 County PASCO

Telephone Number (727) 856-0119

(2) WACS Facility ID 45799

(3) DEP Permit Number

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

Address 8864 Government Dr.

City New Port Richey 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.

29 May 2015
(Date)

Candia E. Mulhern
Digitally signed by Candia E. Mulhern
DN: cn=Candia E. Mulhern, o=Pasco County Utilities, ou=Environmental Laboratory, email=cmulhern@pascocountyfl.net, c=US
Date: 2015.05.29 12:28:16 -04'00'
(Owner or Authorized Representative's Signature)

PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization Pasco County Utilities Environmental Laboratory

Analytical Lab NELAC / HRS Certification # E44123

Lab Name Pasco County Utilities Environmental Laboratory

Address 8864 Government Dr.

Phone Number (727) 847-8902

Email address (if available) cchildress@pascocountyfl.net

PASCO COUNTY, FLORIDA

"Bringing Opportunities Home"

PASCO COUNTY RESOURCE RECOVERY
EXCEEDED ANALYTES
QUARTER I, 2015

WELL #	SAMPLE DATE	ANALYTE	RESULT	UNITS	RESAMPLE	RESULT	UNITS
2MW2	3-Mar-15	pH	6.08	std units	No	---	---
4MW2	3-Mar-15	pH	6.34	std units	No	---	---
2MW17S	12-Mar-15	pH	6.41	std units	No	---	---
		Nitrate	19.26	mg/L	Yes	22.07	mg/L
		Iron	620	ug/L	No	---	---
4MW22	10-Mar-15	Iron	700	ug/L	No	---	---
2MW25D	9-Mar-15	Iron	420	ug/L	No	---	---
2MW27D	11-Mar-15	TDS	544	mg/L	No	---	---
		Iron	2900	ug/L	No	---	---

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2381

Sampling Date/Time: 03/03/2015 @ 09:00

Well Name: 2MW-1

Report Period: 2015 Quarter I

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	0.19	mg/L
001045	Iron	"	No	EPA 200.7		"	ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B		"	ug/L	0.03	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	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F		"	mg/L	0.04	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: 03/05/2015 @ 15:15

Well Name: 4MW-1

Report Period: 2015 Quarter I

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 34.43

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			mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/05/15 15:15	6.94	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/05/15 15:15	25.22	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/05/15 15:15	659	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/05/15 15:15	0.65	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/05/15 15:15	0.8	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	03/10/15 10:00	109	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	03/06/15 12:45	498	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	03/11/15 12:00	0.08 I	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	03/17/15 8:00	1.38	mg/L	0.04	mg/L
072020	Water Level (MSL)	"	No		03/05/15 15:15	34.43	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

April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-1 2386**
Matrix	**Groundwater**
SAL Sample Number	**1502209-11**
Date/Time Collected	**03/05/15 15:15**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/06/15 10:00**

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		03/09/15 20:56	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:56	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:56	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:56	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:56	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:56	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/09/15 20:56	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 20:56	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 20:56	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:56	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:56	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/09/15 20:56	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		03/09/15 20:56	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		03/09/15 20:56	1
Acetone	ug/L	2.3 I	EPA 8260	4.0	2.0		03/09/15 20:56	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		03/09/15 20:56	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 20:56	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 20:56	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:56	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:56	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/09/15 20:56	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:56	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:56	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 20:56	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/09/15 20:56	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:56	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/09/15 20:56	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/09/15 20:56	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:56	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 20:56	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:56	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		03/09/15 20:56	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:56	1

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New Port Richey, FL 34654

April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-1 2386**
Matrix	**Groundwater**
SAL Sample Number	**1502209-11**
Date/Time Collected	**03/05/15 15:15**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/06/15 10:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:56	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		03/09/15 20:56	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 20:56	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/09/15 20:56	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:56	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 20:56	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		03/09/15 20:56	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:56	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:56	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		03/09/15 20:56	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		03/09/15 20:56	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		03/09/15 20:56	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:56	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 20:56	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*98 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*98 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*		*104 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*		*100 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0054 U	EPA 8011	0.022	0.0054	03/17/15 12:50	03/18/15 01:49	1
1,2-Dibromoethane	ug/L	0.0054 U	EPA 8011	0.022	0.0054	03/17/15 12:50	03/18/15 01:49	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*110 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	03/18/15 09:35	03/18/15 11:13	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	03/13/15 09:39	03/16/15 13:09	1
Barium	ug/L	29	EPA 6020	0.50	0.18	03/13/15 09:39	03/16/15 13:09	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	03/13/15 10:55	03/13/15 18:33	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	03/13/15 09:39	03/16/15 13:09	1
Chromium	ug/L	0.35 U	EPA 6020	5.0	0.35	03/13/15 09:39	03/16/15 13:09	1
Cobalt	ug/L	10 U	EPA 6010	100	10	03/13/15 10:55	03/13/15 18:33	1
Copper	ug/L	0.49 I	EPA 6020	0.50	0.13	03/13/15 09:39	03/16/15 13:09	1
Iron	ug/L	20 U	EPA 6010	100	20	03/13/15 10:55	03/13/15 18:33	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	03/13/15 09:39	03/16/15 13:09	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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April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-1 2386**
Matrix	**Groundwater**
SAL Sample Number	**1502209-11**
Date/Time Collected	**03/05/15 15:15**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/06/15 10:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Mercury	ug/L	0.10 U	EPA 7470	0.50	0.10	03/31/15 12:00	03/31/15 17:42	1
Nickel	ug/L	7.9	EPA 6020	5.0	0.46	03/13/15 09:39	03/16/15 13:09	1
Selenium	ug/L	2.5 I	EPA 6020	5.0	0.93	03/18/15 09:35	03/18/15 11:13	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	03/13/15 10:55	03/13/15 18:33	1
Sodium	mg/L	59	EPA 6010	0.50	0.13	03/13/15 10:55	03/13/15 18:33	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	03/13/15 09:39	03/16/15 13:09	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	03/13/15 10:55	03/13/15 18:33	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	03/13/15 09:39	03/17/15 14:03	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2382

Sampling Date/Time: 03/03/2015 @ 11:11

Well Name: 2MW-2

Report Period: 2015 Quarter I

Classification of Groundwater: Surficial

Well Purged: YES

Groundwater Elevation (NGVD): 34.66

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			mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/03/15 11:11	6.08	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/03/15 11:11	24.84	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/03/15 11:11	108	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/03/15 11:11	2.11	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/03/15 11:11	0.0	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	03/04/15 10:00	6.31	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	03/04/15 15:00	72	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	03/11/15 12:00	0.07 I	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	03/17/15 8:00	4.76	mg/L	0.04	mg/L
072020	Water Level (MSL)	"	No		03/03/15 11:11	34.66	Feet NGVD		Feet NGVD

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April 7, 2015
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Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-2 2382**
Matrix	**Groundwater**
SAL Sample Number	**1502209-02**
Date/Time Collected	**03/03/15 11:11**
Collected by	**Client**
Date/Time Received	**03/04/15 12:25**

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		03/09/15 14:36	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:36	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:36	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:36	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:36	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:36	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/09/15 14:36	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 14:36	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 14:36	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:36	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:36	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/09/15 14:36	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		03/09/15 14:36	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		03/09/15 14:36	1
Acetone	ug/L	3.2 I	EPA 8260	4.0	2.0		03/09/15 14:36	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		03/09/15 14:36	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 14:36	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 14:36	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:36	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:36	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/09/15 14:36	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:36	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:36	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 14:36	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/09/15 14:36	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:36	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/09/15 14:36	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/09/15 14:36	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:36	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 14:36	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:36	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		03/09/15 14:36	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:36	1

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New Port Richey, FL 34654

April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-2 2382**
Matrix	**Groundwater**
SAL Sample Number	**1502209-02**
Date/Time Collected	**03/03/15 11:11**
Collected by	**Client**
Date/Time Received	**03/04/15 12:25**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:36	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		03/09/15 14:36	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 14:36	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/09/15 14:36	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:36	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 14:36	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		03/09/15 14:36	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:36	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:36	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		03/09/15 14:36	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		03/09/15 14:36	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		03/09/15 14:36	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:36	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 14:36	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*98 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*99 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*		*102 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*		*100 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0052 U	EPA 8011	0.021	0.0052	03/05/15 14:10	03/06/15 03:01	1
1,2-Dibromoethane	ug/L	0.0052 U	EPA 8011	0.021	0.0052	03/05/15 14:10	03/06/15 03:01	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*105 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	03/18/15 09:35	03/18/15 10:37	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	03/13/15 09:39	03/16/15 12:09	1
Barium	ug/L	48	EPA 6020	0.50	0.18	03/13/15 09:39	03/16/15 12:09	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	03/13/15 10:55	03/13/15 17:54	1
Cadmium	ug/L	0.33 I	EPA 6020	0.50	0.27	03/13/15 09:39	03/16/15 12:09	1
Chromium	ug/L	0.49 I	EPA 6020	5.0	0.35	03/13/15 09:39	03/16/15 12:09	1
Cobalt	ug/L	10 U	EPA 6010	100	10	03/13/15 10:55	03/13/15 17:54	1
Copper	ug/L	3.2	EPA 6020	0.50	0.13	03/13/15 09:39	03/16/15 12:09	1
Iron	ug/L	110	EPA 6010	100	20	03/13/15 10:55	03/13/15 17:54	1
Lead	ug/L	0.27 I	EPA 6020	0.50	0.25	03/13/15 09:39	03/16/15 12:09	1

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Leslie C. Boardman, Q.A. Manager

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April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-2 2382**
Matrix	**Groundwater**
SAL Sample Number	**1502209-02**
Date/Time Collected	**03/03/15 11:11**
Collected by	**Client**
Date/Time Received	**03/04/15 12:25**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Mercury	ug/L	0.10 U	EPA 7470	0.50	0.10	03/31/15 12:00	03/31/15 17:22	1
Nickel	ug/L	0.74 I	EPA 6020	5.0	0.46	03/13/15 09:39	03/16/15 12:09	1
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	03/18/15 09:35	03/18/15 10:37	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	03/13/15 10:55	03/13/15 17:54	1
Sodium	mg/L	3.4	EPA 6010	0.50	0.13	03/13/15 10:55	03/13/15 17:54	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	03/13/15 09:39	03/16/15 12:09	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	03/13/15 10:55	03/13/15 17:54	1
Zinc	ug/L	5.4	EPA 6020	5.0	0.88	03/13/15 09:39	03/17/15 13:12	1

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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 #: 2387

Sampling Date/Time: 03/03/2015 @ 10:19

Well Name: 4MW-2

Report Period: 2015 Quarter I

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 34.21

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			mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/03/15 10:19	6.34	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/03/15 10:19	24.89	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/03/15 10:19	191	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/03/15 10:19	1.28	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/03/15 10:19	0.0	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	03/04/15 10:00	5.90	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	03/04/15 15:00	118	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	03/11/15 12:00	0.05 I	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	03/17/15 8:00	1.05	mg/L	0.04	mg/L
072020	Water Level (MSL)	"	No		03/03/15 10:19	34.21	Feet NGVD		Feet NGVD

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April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-2 2387**
Matrix	**Groundwater**
SAL Sample Number	**1502209-01**
Date/Time Collected	**03/03/15 10:19**
Collected by	**Client**
Date/Time Received	**03/04/15 12:25**

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		03/09/15 14:05	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:05	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:05	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:05	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:05	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:05	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/09/15 14:05	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 14:05	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 14:05	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:05	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:05	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/09/15 14:05	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		03/09/15 14:05	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		03/09/15 14:05	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/09/15 14:05	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		03/09/15 14:05	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 14:05	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 14:05	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:05	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:05	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/09/15 14:05	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:05	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:05	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 14:05	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/09/15 14:05	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:05	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/09/15 14:05	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/09/15 14:05	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:05	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 14:05	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:05	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		03/09/15 14:05	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:05	1

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April 7, 2015
Work Order: 1502209
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Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-2 2387**
Matrix	**Groundwater**
SAL Sample Number	**1502209-01**
Date/Time Collected	**03/03/15 10:19**
Collected by	**Client**
Date/Time Received	**03/04/15 12:25**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:05	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		03/09/15 14:05	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 14:05	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/09/15 14:05	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:05	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 14:05	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		03/09/15 14:05	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:05	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:05	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		03/09/15 14:05	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		03/09/15 14:05	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		03/09/15 14:05	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 14:05	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 14:05	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*101 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*99 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*		*100 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*		*101 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	03/05/15 14:10	03/06/15 02:39	1
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	03/05/15 14:10	03/06/15 02:39	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*106 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	03/18/15 09:35	03/18/15 10:35	1
Arsenic	ug/L	1.4 I	EPA 6020	5.0	0.93	03/13/15 09:39	03/16/15 12:05	1
Barium	ug/L	6.4	EPA 6020	0.50	0.18	03/13/15 09:39	03/16/15 12:05	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	03/13/15 10:55	03/13/15 17:45	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	03/13/15 09:39	03/16/15 12:05	1
Chromium	ug/L	0.43 I	EPA 6020	5.0	0.35	03/13/15 09:39	03/16/15 12:05	1
Cobalt	ug/L	10 U	EPA 6010	100	10	03/13/15 10:55	03/13/15 17:45	1
Copper	ug/L	0.13 U	EPA 6020	0.50	0.13	03/13/15 09:39	03/16/15 12:05	1
Iron	ug/L	20 U	EPA 6010	100	20	03/13/15 10:55	03/13/15 17:45	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	03/13/15 09:39	03/16/15 12:05	1

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Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-2 2387**
Matrix	**Groundwater**
SAL Sample Number	**1502209-01**
Date/Time Collected	**03/03/15 10:19**
Collected by	**Client**
Date/Time Received	**03/04/15 12:25**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Mercury	ug/L	0.10 U	EPA 7470	0.50	0.10	03/31/15 12:00	03/31/15 17:21	1
Nickel	ug/L	1.6 I	EPA 6020	5.0	0.46	03/13/15 09:39	03/16/15 12:05	1
Selenium	ug/L	0.93 I	EPA 6020	5.0	0.93	03/18/15 09:35	03/18/15 10:35	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	03/13/15 10:55	03/13/15 17:45	1
Sodium	mg/L	3.0	EPA 6010	0.50	0.13	03/13/15 10:55	03/13/15 17:45	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	03/13/15 09:39	03/16/15 12:05	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	03/13/15 10:55	03/13/15 17:45	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	03/13/15 09:39	03/17/15 13:08	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: West Pasco Class III Sanitary Landfill

Test Site ID #: 19671

Sampling Date/Time: 03/03/2015 @ 12:30

Well Name: 2MW-3A

Report Period: 2015 Quarter I

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	0.04	mg/L
000929	Sodium	"	No	EPA 200.7		"	mg/L	0.19	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	1.6	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	0.03	ug/L
000610	Ammonia	"	No	SM 4500NH_3H		"	mg/L	0.03	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: 03/03/2015 @ 12:35

Well Name: 4MW-3A

Report Period: 2015 Quarter I

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 26.19 Water Level Only

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	0.04	mg/L
000929	Sodium	"	No	EPA 200.7			mg/L	0.19	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	1.6	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	0.03	ug/L
000610	Ammonia	"	No	SM 4500NH_3H			mg/L	0.03	mg/L
900216	Color by Obs. (Field)	"	No	SM 2120B			Obs.	0	Obs.
072020	Water Level	"	No	DEP-SOP	03/03/15 12:35	26.19	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: 03/03/2015 @ 13:00

Well Name: 2MW-4

Report Period: 2015 Quarter I

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	0.19	mg/L
001045	Iron	"	No	EPA 200.7		"	ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B		"	ug/L	0.03	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	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F		"	mg/L	0.04	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: 03/04/2015 @ 12:43

Well Name: 4MW-4

Report Period: 2015 Quarter I

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			mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/04/15 12:43	6.91	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/04/15 12:43	24.88	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/04/15 12:43	352	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/04/15 12:43	1.04	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/04/15 12:43	0.0	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	03/10/15 10:00	17.6	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	03/06/15 12:45	264	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	03/11/15 12:00	0.04 I	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	03/17/15 8:00	0.64	mg/L	0.04	mg/L
072020	Water Level (MSL)	"	No		03/04/15 12:43	27.86	Feet NGVD		Feet NGVD

SOUTHERN ANALYTICAL LABORATORIES, INC.
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

April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-4 2388**
Matrix	**Groundwater**
SAL Sample Number	**1502209-05**
Date/Time Collected	**03/04/15 12:43**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/06/15 10:00**

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		03/09/15 16:11	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 16:11	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 16:11	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 16:11	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 16:11	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 16:11	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/09/15 16:11	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 16:11	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 16:11	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 16:11	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 16:11	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/09/15 16:11	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		03/09/15 16:11	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		03/09/15 16:11	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/09/15 16:11	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		03/09/15 16:11	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 16:11	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 16:11	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 16:11	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 16:11	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/09/15 16:11	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 16:11	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 16:11	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 16:11	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/09/15 16:11	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 16:11	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/09/15 16:11	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/09/15 16:11	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 16:11	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 16:11	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 16:11	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		03/09/15 16:11	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 16:11	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
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New Port Richey, FL 34654

April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-4 2388**
Matrix	**Groundwater**
SAL Sample Number	**1502209-05**
Date/Time Collected	**03/04/15 12:43**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/06/15 10:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 16:11	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		03/09/15 16:11	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 16:11	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/09/15 16:11	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 16:11	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 16:11	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		03/09/15 16:11	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 16:11	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 16:11	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		03/09/15 16:11	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		03/09/15 16:11	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		03/09/15 16:11	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 16:11	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 16:11	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*98 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*98 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*		*100 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*		*100 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0055 U	EPA 8011	0.022	0.0055	03/17/15 12:50	03/17/15 22:53	1
1,2-Dibromoethane	ug/L	0.0055 U	EPA 8011	0.022	0.0055	03/17/15 12:50	03/17/15 22:53	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*103 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	03/18/15 09:35	03/18/15 10:56	1
Arsenic	ug/L	1.2 I	EPA 6020	5.0	0.93	03/13/15 09:39	03/16/15 12:32	1
Barium	ug/L	8.1	EPA 6020	0.50	0.18	03/13/15 09:39	03/16/15 12:32	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	03/13/15 10:55	03/13/15 18:03	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	03/13/15 09:39	03/16/15 12:32	1
Chromium	ug/L	0.36 I	EPA 6020	5.0	0.35	03/13/15 09:39	03/16/15 12:32	1
Cobalt	ug/L	10 U	EPA 6010	100	10	03/13/15 10:55	03/13/15 18:03	1
Copper	ug/L	0.23 I	EPA 6020	0.50	0.13	03/13/15 09:39	03/16/15 12:32	1
Iron	ug/L	20 U	EPA 6010	100	20	03/13/15 10:55	03/13/15 18:03	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	03/13/15 09:39	03/16/15 12:32	1

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April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-4 2388**
Matrix	**Groundwater**
SAL Sample Number	**1502209-05**
Date/Time Collected	**03/04/15 12:43**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/06/15 10:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Mercury	ug/L	0.10 U	EPA 7470	0.50	0.10	03/31/15 12:00	03/31/15 17:30	1
Nickel	ug/L	4.0 I	EPA 6020	5.0	0.46	03/13/15 09:39	03/16/15 12:32	1
Selenium	ug/L	1.1 I	EPA 6020	5.0	0.93	03/18/15 09:35	03/18/15 10:56	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	03/13/15 10:55	03/13/15 18:03	1
Sodium	mg/L	6.3	EPA 6010	0.50	0.13	03/13/15 10:55	03/13/15 18:03	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	03/13/15 09:39	03/16/15 12:32	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	03/13/15 10:55	03/13/15 18:03	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	03/13/15 09:39	03/17/15 13:35	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2384

Sampling Date/Time: 03/03/2015 @ 13:30

Well Name: 2MW-5

Report Period: 2015 Quarter I

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	0.19	mg/L
001045	Iron	"	No	EPA 200.7		"	ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B		"	ug/L	0.03	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	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F		"	mg/L	0.04	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 #: 2389

Sampling Date/Time: 03/04/2015 @ 11:12

Well Name: 4MW-5

Report Period: 2015 Quarter I

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 28.79

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			mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/04/15 11:12	7.54	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/04/15 11:12	23.61	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/04/15 11:12	480	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/04/15 11:12	1.24	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/04/15 11:12	0.0	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	03/10/15 10:00	67.3	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	03/06/15 12:45	386	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	03/11/15 12:00	0.03 U	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	03/17/15 8:00	0.34	mg/L	0.04	mg/L
072020	Water Level (MSL)	"	No		03/04/15 11:12	28.79	Feet NGVD		Feet NGVD

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New Port Richey, FL 34654

April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-5 2389**
Matrix	**Groundwater**
SAL Sample Number	**1502209-04**
Date/Time Collected	**03/04/15 11:12**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/06/15 10:00**

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		03/09/15 15:39	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:39	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:39	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:39	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:39	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:39	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/09/15 15:39	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 15:39	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 15:39	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:39	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:39	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/09/15 15:39	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		03/09/15 15:39	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		03/09/15 15:39	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/09/15 15:39	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		03/09/15 15:39	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 15:39	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 15:39	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:39	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:39	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/09/15 15:39	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:39	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:39	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 15:39	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/09/15 15:39	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:39	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/09/15 15:39	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/09/15 15:39	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:39	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 15:39	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:39	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		03/09/15 15:39	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:39	1

Florida Certification Number: E84129
NELAP Accredited

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

SOUTHERN ANALYTICAL LABORATORIES, INC.
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

April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-5 2389**
Matrix	**Groundwater**
SAL Sample Number	**1502209-04**
Date/Time Collected	**03/04/15 11:12**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/06/15 10:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:39	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		03/09/15 15:39	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 15:39	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/09/15 15:39	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:39	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 15:39	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		03/09/15 15:39	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:39	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:39	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		03/09/15 15:39	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		03/09/15 15:39	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		03/09/15 15:39	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:39	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 15:39	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*99 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*99 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*		*98 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*		*100 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0056 U	EPA 8011	0.023	0.0056	03/17/15 12:50	03/17/15 22:31	1
1,2-Dibromoethane	ug/L	0.0056 U	EPA 8011	0.023	0.0056	03/17/15 12:50	03/17/15 22:31	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*101 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	03/18/15 09:35	03/18/15 10:53	1
Arsenic	ug/L	1.7 I	EPA 6020	5.0	0.93	03/13/15 09:39	03/16/15 12:27	1
Barium	ug/L	9.7	EPA 6020	0.50	0.18	03/13/15 09:39	03/16/15 12:27	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	03/13/15 10:55	03/13/15 18:00	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	03/13/15 09:39	03/16/15 12:27	1
Chromium	ug/L	0.91 I	EPA 6020	5.0	0.35	03/13/15 09:39	03/16/15 12:27	1
Cobalt	ug/L	10 U	EPA 6010	100	10	03/13/15 10:55	03/13/15 18:00	1
Copper	ug/L	0.24 I	EPA 6020	0.50	0.13	03/13/15 09:39	03/16/15 12:27	1
Iron	ug/L	20 U	EPA 6010	100	20	03/13/15 10:55	03/13/15 18:00	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	03/13/15 09:39	03/16/15 12:27	1

Florida Certification Number: E84129
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Pasco County Environmental Laboratory
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New Port Richey, FL 34654

April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-5 2389**
Matrix	**Groundwater**
SAL Sample Number	**1502209-04**
Date/Time Collected	**03/04/15 11:12**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/06/15 10:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Mercury	ug/L	0.10 U	EPA 7470	0.50	0.10	03/31/15 12:00	03/31/15 17:29	1
Nickel	ug/L	4.8 I	EPA 6020	5.0	0.46	03/13/15 09:39	03/16/15 12:27	1
Selenium	ug/L	1.9 I	EPA 6020	5.0	0.93	03/18/15 09:35	03/18/15 10:53	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	03/13/15 10:55	03/13/15 18:00	1
Sodium	mg/L	27	EPA 6010	0.50	0.13	03/13/15 10:55	03/13/15 18:00	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	03/13/15 09:39	03/16/15 12:27	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	03/13/15 10:55	03/13/15 18:00	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	03/13/15 09:39	03/17/15 13:31	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2385

Sampling Date/Time: 03/03/2015 @ 13:45

Well Name: 2MW-6

Report Period: 2015 Quarter I

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	0.19	mg/L
001045	Iron	"	No	EPA 200.7		"	ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B		"	ug/L	0.03	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	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F		"	mg/L	0.04	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: 03/03/2015 @ 14:32

Well Name: 4MW-6

Report Period: 2015 Quarter I

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 31.77

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			mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/03/15 14:32	7.01	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/03/15 14:32	25.23	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/03/15 14:32	120	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/03/15 14:32	1.44	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/03/15 14:32	0.0	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	03/04/15 10:00	5.06	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	03/04/15 15:00	84	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	03/11/15 12:00	0.03 I	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	03/17/15 8:00	0.81	mg/L	0.04	mg/L
072020	Water Level (MSL)	"	No		03/03/15 14:32	31.77	Feet NGVD		Feet NGVD

SOUTHERN ANALYTICAL LABORATORIES, INC.
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ACCREDITED IN ACCORDANCE WITH nelac

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

April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-6 2390**
Matrix	**Groundwater**
SAL Sample Number	**1502209-03**
Date/Time Collected	**03/03/15 14:32**
Collected by	**Client**
Date/Time Received	**03/04/15 12:25**

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		03/09/15 15:08	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:08	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:08	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:08	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:08	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:08	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/09/15 15:08	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 15:08	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 15:08	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:08	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:08	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/09/15 15:08	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		03/09/15 15:08	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		03/09/15 15:08	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/09/15 15:08	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		03/09/15 15:08	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 15:08	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 15:08	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:08	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:08	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/09/15 15:08	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:08	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:08	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 15:08	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/09/15 15:08	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:08	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/09/15 15:08	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/09/15 15:08	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:08	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 15:08	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:08	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		03/09/15 15:08	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:08	1

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

April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-6 2390**
Matrix	**Groundwater**
SAL Sample Number	**1502209-03**
Date/Time Collected	**03/03/15 14:32**
Collected by	**Client**
Date/Time Received	**03/04/15 12:25**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:08	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		03/09/15 15:08	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 15:08	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/09/15 15:08	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:08	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 15:08	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		03/09/15 15:08	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:08	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:08	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		03/09/15 15:08	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		03/09/15 15:08	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		03/09/15 15:08	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 15:08	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 15:08	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*100 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*100 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*		*98 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*		*101 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	03/05/15 14:10	03/06/15 03:23	1
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	03/05/15 14:10	03/06/15 03:23	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*106 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	03/18/15 09:35	03/18/15 10:50	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	03/13/15 09:39	03/16/15 12:23	1
Barium	ug/L	4.8	EPA 6020	0.50	0.18	03/13/15 09:39	03/16/15 12:23	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	03/13/15 10:55	03/13/15 17:57	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	03/13/15 09:39	03/16/15 12:23	1
Chromium	ug/L	1.2 I	EPA 6020	5.0	0.35	03/13/15 09:39	03/16/15 12:23	1
Cobalt	ug/L	10 U	EPA 6010	100	10	03/13/15 10:55	03/13/15 17:57	1
Copper	ug/L	0.13 U	EPA 6020	0.50	0.13	03/13/15 09:39	03/16/15 12:23	1
Iron	ug/L	20 U	EPA 6010	100	20	03/13/15 10:55	03/13/15 17:57	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	03/13/15 09:39	03/16/15 12:23	1

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April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-6 2390**
Matrix	**Groundwater**
SAL Sample Number	**1502209-03**
Date/Time Collected	**03/03/15 14:32**
Collected by	**Client**
Date/Time Received	**03/04/15 12:25**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Mercury	ug/L	0.10 U	EPA 7470	0.50	0.10	03/31/15 12:00	03/31/15 17:27	1
Nickel	ug/L	1.1 I	EPA 6020	5.0	0.46	03/13/15 09:39	03/16/15 12:23	1
Selenium	ug/L	1.2 I	EPA 6020	5.0	0.93	03/18/15 09:35	03/18/15 10:50	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	03/13/15 10:55	03/13/15 17:57	1
Sodium	mg/L	2.9	EPA 6010	0.50	0.13	03/13/15 10:55	03/13/15 17:57	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	03/13/15 09:39	03/16/15 12:23	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	03/13/15 10:55	03/13/15 17:57	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	03/13/15 09:39	03/17/15 13:26	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: West Pasco Class III Sanitary Landfill

Test Site ID #: 2343

Sampling Date/Time: 03/03/2015 @ 14:00

Well Name: 2MW-7

Report Period: 2015 Quarter I

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	0.04	mg/L
000929	Sodium	"	No	EPA 200.7		"	mg/L	0.19	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	1.6	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	0.03	ug/L
000610	Ammonia	"	No	SM 4500NH_3H		"	mg/L	0.03	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: 03/10/2015 @ 10:35

Well Name: 4MW-7

Report Period: 2015 Quarter I

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 30.16

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	03/17/15 8:00	0.17	mg/L	0.04	mg/L
000929	Sodium	"	No	EPA 200.7			mg/L	0.19	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/10/15 10:35	0.0	NTU	0.00	NTU
00940	Chloride	"	No	EPA 300.0	03/10/15 16:30	13.7	mg/L	0.10	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.6	ug/L
00400	pH-Field	"	No	FDEP FT 11	03/10/15 10:35	7.69	std. units	0.10	std. units
070300	TDS	"	No	SM 2540C	03/13/15 11:30	224	mg/L	0.1	mg/L
000344	Dissolved Oxy. (Field)	"	No	FDEP FT 15	03/10/15 10:35	0.95	mg/L	0.1	mg/L
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/10/15 10:35	300	umhos/cm	1	umhos/cm
000010	Temp. (Field)	"	No	FDEP FT 14	03/10/15 10:35	23.95	deg. C	0.00	deg. C
071900	Mercury	"	No	SM 3112B			ug/L	0.03	ug/L
000610	Ammonia	"	No	SM 4500NH_3H	03/20/15 12:00	0.03 U	mg/L	0.03	mg/L
900216	Color by Obs. (Field)	"	No	SM 2120B	03/10/15 10:35	CLEAR	Obs.	0	Obs.
072020	Water Level	"	No	DEP-SOP	03/10/15 10:35	30.16	Feet NGVD	0	Feet NGVD

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

April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-7 2340**
Matrix	**Groundwater**
SAL Sample Number	**1502209-15**
Date/Time Collected	**03/10/15 10:35**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/11/15 14:40**

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		03/11/15 22:16	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:16	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:16	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:16	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:16	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:16	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/11/15 22:16	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 22:16	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 22:16	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:16	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:16	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/11/15 22:16	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		03/11/15 22:16	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		03/11/15 22:16	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/11/15 22:16	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		03/11/15 22:16	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 22:16	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 22:16	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:16	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:16	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/11/15 22:16	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:16	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:16	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 22:16	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/11/15 22:16	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:16	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/11/15 22:16	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/11/15 22:16	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:16	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 22:16	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:16	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		03/11/15 22:16	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:16	1

Florida Certification Number: E84129
NELAP Accredited

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

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April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-7 2340**
Matrix	**Groundwater**
SAL Sample Number	**1502209-15**
Date/Time Collected	**03/10/15 10:35**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/11/15 14:40**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:16	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		03/11/15 22:16	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 22:16	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/11/15 22:16	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:16	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 22:16	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		03/11/15 22:16	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:16	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:16	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		03/11/15 22:16	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		03/11/15 22:16	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		03/11/15 22:16	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:16	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 22:16	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*97 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*100 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*		*100 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*		*100 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0057 U	EPA 8011	0.023	0.0057	03/18/15 15:03	03/18/15 21:38	1
1,2-Dibromoethane	ug/L	0.0057 U	EPA 8011	0.023	0.0057	03/18/15 15:03	03/18/15 21:38	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*101 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	03/18/15 09:35	03/18/15 11:28	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	03/13/15 09:39	03/16/15 13:46	1
Barium	ug/L	9.2	EPA 6020	0.50	0.18	03/13/15 09:39	03/16/15 13:46	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	03/13/15 10:55	03/13/15 18:51	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	03/13/15 09:39	03/16/15 13:46	1
Chromium	ug/L	0.35 U	EPA 6020	5.0	0.35	03/13/15 09:39	03/16/15 13:46	1
Cobalt	ug/L	10 U	EPA 6010	100	10	03/13/15 10:55	03/13/15 18:51	1
Copper	ug/L	0.30 I	EPA 6020	0.50	0.13	03/13/15 09:39	03/16/15 13:46	1
Iron	ug/L	20 U	EPA 6010	100	20	03/13/15 10:55	03/13/15 18:51	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	03/13/15 09:39	03/16/15 13:46	1

Florida Certification Number: E84129
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SOUTHERN ANALYTICAL LABORATORIES, INC.
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Pasco County Environmental Laboratory
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New Port Richey, FL 34654

April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-7 2340**
Matrix	**Groundwater**
SAL Sample Number	**1502209-15**
Date/Time Collected	**03/10/15 10:35**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/11/15 14:40**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Mercury	ug/L	0.10 U	EPA 7470	0.50	0.10	04/01/15 08:54	04/03/15 16:55	1
Nickel	ug/L	3.3 I	EPA 6020	5.0	0.46	03/13/15 09:39	03/16/15 13:46	1
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	03/18/15 09:35	03/18/15 11:28	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	03/13/15 10:55	03/13/15 18:51	1
Sodium	mg/L	5.3	EPA 6010	0.50	0.13	03/13/15 10:55	03/13/15 18:51	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	03/13/15 09:39	03/16/15 13:46	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	03/13/15 10:55	03/13/15 18:51	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	03/13/15 09:39	03/17/15 14:31	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: West Pasco Class III Sanitary Landfill

Test Site ID #: 2344

Sampling Date/Time: 03/03/2015 @ 14:15

Well Name: 2MW-8

Report Period: 2015 Quarter I

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	0.04	mg/L
000929	Sodium	"	No	EPA 200.7		"	mg/L	0.19	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	1.6	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	0.03	ug/L
000610	Ammonia	"	No	SM 4500NH_3H		"	mg/L	0.03	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: 03/10/2015 @ 13:17

Well Name: 4MW-8

Report Period: 2015 Quarter I

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 31.03

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	03/17/15 8:00	0.04 U	mg/L	0.04	mg/L
000929	Sodium	"	No	EPA 200.7			mg/L	0.19	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/10/15 13:17	0.0	NTU	0.00	NTU
00940	Chloride	"	No	EPA 300.0	03/12/15 10:00	17.4	mg/L	0.10	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.6	ug/L
00400	pH-Field	"	No	FDEP FT 11	03/10/15 13:17	7.79	std. units	0.10	std. units
070300	TDS	"	No	SM 2540C	03/13/15 11:30	234	mg/L	0.1	mg/L
000344	Dissolved Oxy. (Field)	"	No	FDEP FT 15	03/10/15 13:17	0.73	mg/L	0.1	mg/L
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/10/15 13:17	315	umhos/cm	1	umhos/cm
000010	Temp. (Field)	"	No	FDEP FT 14	03/10/15 13:17	23.60	deg. C	0.00	deg. C
071900	Mercury	"	No	SM 3112B			ug/L	0.03	ug/L
000610	Ammonia	"	No	SM 4500NH_3H	03/20/15 12:00	0.03 U	mg/L	0.03	mg/L
900216	Color by Obs. (Field)	"	No	SM 2120B	03/10/15 13:17	CLEAR	Obs.	0	Obs.
072020	Water Level	"	No	DEP-SOP	03/10/15 13:17	31.03	Feet NGVD	0	Feet NGVD

SOUTHERN ANALYTICAL LABORATORIES, INC.
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ACCREDITED IN ACCORDANCE WITH nelac

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

April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-8 2341**
Matrix	**Groundwater**
SAL Sample Number	**1502209-17**
Date/Time Collected	**03/10/15 13:17**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/11/15 14:40**

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		03/11/15 23:18	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:18	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:18	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:18	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:18	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:18	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/11/15 23:18	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 23:18	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 23:18	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:18	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:18	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/11/15 23:18	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		03/11/15 23:18	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		03/11/15 23:18	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/11/15 23:18	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		03/11/15 23:18	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 23:18	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 23:18	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:18	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:18	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/11/15 23:18	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:18	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:18	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 23:18	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/11/15 23:18	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:18	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/11/15 23:18	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/11/15 23:18	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:18	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 23:18	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:18	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		03/11/15 23:18	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:18	1

Pasco County Environmental Laboratory
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April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-8 2341**
Matrix	**Groundwater**
SAL Sample Number	**1502209-17**
Date/Time Collected	**03/10/15 13:17**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/11/15 14:40**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:18	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		03/11/15 23:18	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 23:18	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/11/15 23:18	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:18	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 23:18	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		03/11/15 23:18	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:18	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:18	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		03/11/15 23:18	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		03/11/15 23:18	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		03/11/15 23:18	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:18	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 23:18	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*105 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*98 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*		*104 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*		*101 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0055 U	EPA 8011	0.022	0.0055	03/18/15 15:03	03/18/15 22:21	1
1,2-Dibromoethane	ug/L	0.0055 U	EPA 8011	0.022	0.0055	03/18/15 15:03	03/18/15 22:21	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*96 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	03/18/15 09:35	03/18/15 11:34	1
Arsenic	ug/L	1.1 I	EPA 6020	5.0	0.93	03/13/15 09:39	03/16/15 13:55	1
Barium	ug/L	7.6	EPA 6020	0.50	0.18	03/13/15 09:39	03/16/15 13:55	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	03/13/15 10:55	03/13/15 18:58	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	03/13/15 09:39	03/16/15 13:55	1
Chromium	ug/L	0.35 U	EPA 6020	5.0	0.35	03/13/15 09:39	03/16/15 13:55	1
Cobalt	ug/L	10 U	EPA 6010	100	10	03/13/15 10:55	03/13/15 18:58	1
Copper	ug/L	0.22 I	EPA 6020	0.50	0.13	03/13/15 09:39	03/16/15 13:55	1
Iron	ug/L	20 U	EPA 6010	100	20	03/13/15 10:55	03/13/15 18:58	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	03/13/15 09:39	03/16/15 13:55	1

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

April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name PASCO COUNTY RESOURCE RECOVERY

Sample Description	4MW-8 2341
Matrix	Groundwater
SAL Sample Number	1502209-17
Date/Time Collected	03/10/15 13:17
Collected by	Wilfred Martfeld
Date/Time Received	03/11/15 14:40

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Mercury	ug/L	0.10 U	EPA 7470	0.50	0.10	04/01/15 08:54	04/03/15 17:01	1
Nickel	ug/L	3.0 I	EPA 6020	5.0	0.46	03/13/15 09:39	03/16/15 13:55	1
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	03/18/15 09:35	03/18/15 11:34	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	03/13/15 10:55	03/13/15 18:58	1
Sodium	mg/L	4.7	EPA 6010	0.50	0.13	03/13/15 10:55	03/13/15 18:58	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	03/13/15 09:39	03/16/15 13:55	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	03/13/15 10:55	03/13/15 18:58	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	03/13/15 09:39	03/17/15 14:40	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: West Pasco Class III Sanitary Landfill

Test Site ID #: 2345

Sampling Date/Time: 03/03/2015 @ 14:20

Well Name: 2MW-9

Report Period: 2015 Quarter I

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	0.04	mg/L
000929	Sodium	"	No	EPA 200.7		"	mg/L	0.19	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	1.6	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	0.03	ug/L
000610	Ammonia	"	No	SM 4500NH_3H		"	mg/L	0.03	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: 03/10/2015 @ 12:05

Well Name: 4MW-9

Report Period: 2015 Quarter I

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 29.68

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	03/17/15 8:00	0.28	mg/L	0.04	mg/L
000929	Sodium	"	No	EPA 200.7			mg/L	0.19	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/10/15 12:05	0.0	NTU	0.00	NTU
00940	Chloride	"	No	EPA 300.0	03/10/15 16:30	10.2	mg/L	0.10	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.6	ug/L
00400	pH-Field	"	No	FDEP FT 11	03/10/15 12:05	7.78	std. units	0.10	std. units
070300	TDS	"	No	SM 2540C	03/13/15 11:30	272	mg/L	0.1	mg/L
000344	Dissolved Oxy. (Field)	"	No	FDEP FT 15	03/10/15 12:05	0.63	mg/L	0.1	mg/L
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/10/15 12:05	344	umhos/cm	1	umhos/cm
000010	Temp. (Field)	"	No	FDEP FT 14	03/10/15 12:05	24.26	deg. C	0.00	deg. C
071900	Mercury	"	No	SM 3112B			ug/L	0.03	ug/L
000610	Ammonia	"	No	SM 4500NH_3H	03/20/15 12:00	0.03 U	mg/L	0.03	mg/L
900216	Color by Obs. (Field)	"	No	SM 2120B	03/10/15 12:05	CLEAR	Obs.	0	Obs.
072020	Water Level	"	No	DEP-SOP	03/10/15 12:05	29.68	Feet NGVD	0	Feet NGVD

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New Port Richey, FL 34654

April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-9 2342**
Matrix	**Groundwater**
SAL Sample Number	**1502209-16**
Date/Time Collected	**03/10/15 12:05**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/11/15 14:40**

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		03/11/15 22:47	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:47	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:47	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:47	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:47	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:47	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/11/15 22:47	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 22:47	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 22:47	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:47	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:47	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/11/15 22:47	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		03/11/15 22:47	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		03/11/15 22:47	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/11/15 22:47	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		03/11/15 22:47	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 22:47	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 22:47	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:47	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:47	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/11/15 22:47	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:47	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:47	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 22:47	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/11/15 22:47	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:47	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/11/15 22:47	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/11/15 22:47	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:47	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 22:47	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:47	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		03/11/15 22:47	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:47	1

Pasco County Environmental Laboratory
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April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-9 2342**
Matrix	**Groundwater**
SAL Sample Number	**1502209-16**
Date/Time Collected	**03/10/15 12:05**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/11/15 14:40**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:47	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		03/11/15 22:47	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 22:47	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/11/15 22:47	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:47	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 22:47	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		03/11/15 22:47	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:47	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:47	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		03/11/15 22:47	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		03/11/15 22:47	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		03/11/15 22:47	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 22:47	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 22:47	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*103 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*102 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*		*102 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*		*102 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0055 U	EPA 8011	0.022	0.0055	03/18/15 15:03	03/18/15 21:59	1
1,2-Dibromoethane	ug/L	0.0055 U	EPA 8011	0.022	0.0055	03/18/15 15:03	03/18/15 21:59	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*95 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	03/18/15 09:35	03/18/15 11:31	1
Arsenic	ug/L	1.1 I	EPA 6020	5.0	0.93	03/13/15 09:39	03/16/15 13:50	1
Barium	ug/L	8.0	EPA 6020	0.50	0.18	03/13/15 09:39	03/16/15 13:50	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	03/13/15 10:55	03/13/15 18:55	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	03/13/15 09:39	03/16/15 13:50	1
Chromium	ug/L	0.35 U	EPA 6020	5.0	0.35	03/13/15 09:39	03/16/15 13:50	1
Cobalt	ug/L	10 U	EPA 6010	100	10	03/13/15 10:55	03/13/15 18:55	1
Copper	ug/L	0.16 I	EPA 6020	0.50	0.13	03/13/15 09:39	03/16/15 13:50	1
Iron	ug/L	20 U	EPA 6010	100	20	03/13/15 10:55	03/13/15 18:55	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	03/13/15 09:39	03/16/15 13:50	1

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April 7, 2015
Work Order: 1502209
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Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-9 2342**
Matrix	**Groundwater**
SAL Sample Number	**1502209-16**
Date/Time Collected	**03/10/15 12:05**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/11/15 14:40**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Mercury	ug/L	0.10 U	EPA 7470	0.50	0.10	04/01/15 08:54	04/03/15 17:00	1
Nickel	ug/L	3.0 I	EPA 6020	5.0	0.46	03/13/15 09:39	03/16/15 13:50	1
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	03/18/15 09:35	03/18/15 11:31	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	03/13/15 10:55	03/13/15 18:55	1
Sodium	mg/L	8.9	EPA 6010	0.50	0.13	03/13/15 10:55	03/13/15 18:55	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	03/13/15 09:39	03/16/15 13:50	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	03/13/15 10:55	03/13/15 18:55	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	03/13/15 09:39	03/17/15 14:35	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: West Pasco Class III Sanitary Landfill

Test Site ID #: 2346

Sampling Date/Time: 03/03/2015 @ 14:25

Well Name: 2MW-10

Report Period: 2015 Quarter I

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	0.04	mg/L
000929	Sodium	"	No	EPA 200.7		"	mg/L	0.19	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	1.6	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	0.03	ug/L
000610	Ammonia	"	No	SM 4500NH_3H		"	mg/L	0.03	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: 03/04/2015 @ 13:56

Well Name: 4MW-11D

Report Period: 2015 Quarter I

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 31.26

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			mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/04/15 13:56	6.92	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/04/15 13:56	24.56	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/04/15 13:56	311	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/04/15 13:56	1.21	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/04/15 13:56	14.2	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	03/10/15 10:00	29.8	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	03/06/15 12:45	234	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	03/11/15 12:00	0.04 I	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	03/17/15 8:00	0.67	mg/L	0.04	mg/L
072020	Water Level (MSL)	"	No		03/04/15 13:56	31.26	Feet NGVD		Feet NGVD

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Pasco County Environmental Laboratory
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New Port Richey, FL 34654

April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-11D 2510**
Matrix	**Groundwater**
SAL Sample Number	**1502209-06**
Date/Time Collected	**03/04/15 13:56**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/06/15 10:00**

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		03/09/15 18:19	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:19	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:19	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:19	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:19	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:19	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/09/15 18:19	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 18:19	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 18:19	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:19	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:19	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/09/15 18:19	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		03/09/15 18:19	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		03/09/15 18:19	1
Acetone	ug/L	2.3 I	EPA 8260	4.0	2.0		03/09/15 18:19	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		03/09/15 18:19	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 18:19	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 18:19	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:19	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:19	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/09/15 18:19	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:19	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:19	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 18:19	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/09/15 18:19	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:19	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/09/15 18:19	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/09/15 18:19	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:19	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 18:19	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:19	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		03/09/15 18:19	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:19	1

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Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-11D 2510**
Matrix	**Groundwater**
SAL Sample Number	**1502209-06**
Date/Time Collected	**03/04/15 13:56**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/06/15 10:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:19	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		03/09/15 18:19	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 18:19	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/09/15 18:19	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:19	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 18:19	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		03/09/15 18:19	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:19	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:19	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		03/09/15 18:19	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		03/09/15 18:19	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		03/09/15 18:19	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:19	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 18:19	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*95 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*100 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*		*99 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*		*100 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	03/17/15 12:50	03/17/15 23:15	1
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	03/17/15 12:50	03/17/15 23:15	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*94 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	03/18/15 09:35	03/18/15 10:59	1
Arsenic	ug/L	1.3 I	EPA 6020	5.0	0.93	03/13/15 09:39	03/16/15 12:46	1
Barium	ug/L	6.8	EPA 6020	0.50	0.18	03/13/15 09:39	03/16/15 12:46	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	03/13/15 10:55	03/13/15 18:06	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	03/13/15 09:39	03/16/15 12:46	1
Chromium	ug/L	0.47 I	EPA 6020	5.0	0.35	03/13/15 09:39	03/16/15 12:46	1
Cobalt	ug/L	10 U	EPA 6010	100	10	03/13/15 10:55	03/13/15 18:06	1
Copper	ug/L	0.18 I	EPA 6020	0.50	0.13	03/13/15 09:39	03/16/15 12:46	1
Iron	ug/L	22 I	EPA 6010	100	20	03/13/15 10:55	03/13/15 18:06	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	03/13/15 09:39	03/16/15 12:46	1

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April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-11D 2510**
Matrix	**Groundwater**
SAL Sample Number	**1502209-06**
Date/Time Collected	**03/04/15 13:56**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/06/15 10:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Mercury	ug/L	0.10 U	EPA 7470	0.50	0.10	03/31/15 12:00	03/31/15 17:32	1
Nickel	ug/L	2.8 I	EPA 6020	5.0	0.46	03/13/15 09:39	03/16/15 12:46	1
Selenium	ug/L	2.1 I	EPA 6020	5.0	0.93	03/18/15 09:35	03/18/15 10:59	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	03/13/15 10:55	03/13/15 18:06	1
Sodium	mg/L	10	EPA 6010	0.50	0.13	03/13/15 10:55	03/13/15 18:06	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	03/13/15 09:39	03/16/15 12:46	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	03/13/15 10:55	03/13/15 18:06	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	03/13/15 09:39	03/17/15 13:40	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2511

Sampling Date/Time: 03/04/2015 @ 15:11

Well Name: 4MW-12D

Report Period: 2015 Quarter I

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 30.51

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			mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/04/15 15:11	7.81	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/04/15 15:11	24.43	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/04/15 15:11	376	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/04/15 15:11	1.0	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/04/15 15:11	0.0	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	03/10/15 10:00	26.8	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	03/06/15 12:45	292	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	03/11/15 12:00	0.05 I	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	03/17/15 8:00	0.51	mg/L	0.04	mg/L
072020	Water Level (MSL)	"	No		03/04/15 15:11	30.51	Feet NGVD		Feet NGVD

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Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-12D 2511**
Matrix	**Groundwater**
SAL Sample Number	**1502209-07**
Date/Time Collected	**03/04/15 15:11**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/06/15 10:00**

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		03/09/15 18:50	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:50	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:50	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:50	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:50	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:50	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/09/15 18:50	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 18:50	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 18:50	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:50	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:50	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/09/15 18:50	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		03/09/15 18:50	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		03/09/15 18:50	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/09/15 18:50	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		03/09/15 18:50	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 18:50	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 18:50	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:50	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:50	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/09/15 18:50	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:50	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:50	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 18:50	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/09/15 18:50	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:50	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/09/15 18:50	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/09/15 18:50	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:50	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 18:50	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:50	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		03/09/15 18:50	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:50	1

Florida Certification Number: E84129
NELAP Accredited

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

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Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-12D 2511**
Matrix	**Groundwater**
SAL Sample Number	**1502209-07**
Date/Time Collected	**03/04/15 15:11**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/06/15 10:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:50	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		03/09/15 18:50	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 18:50	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/09/15 18:50	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:50	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 18:50	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		03/09/15 18:50	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:50	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:50	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		03/09/15 18:50	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		03/09/15 18:50	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		03/09/15 18:50	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 18:50	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 18:50	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*98 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*100 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*		*99 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*		*99 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0054 U	EPA 8011	0.022	0.0054	03/17/15 12:50	03/18/15 00:21	1
1,2-Dibromoethane	ug/L	0.0054 U	EPA 8011	0.022	0.0054	03/17/15 12:50	03/18/15 00:21	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*90 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	03/18/15 09:35	03/18/15 11:02	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	03/13/15 09:39	03/16/15 12:51	1
Barium	ug/L	7.4	EPA 6020	0.50	0.18	03/13/15 09:39	03/16/15 12:51	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	03/13/15 10:55	03/13/15 18:15	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	03/13/15 09:39	03/16/15 12:51	1
Chromium	ug/L	0.35 U	EPA 6020	5.0	0.35	03/13/15 09:39	03/16/15 12:51	1
Cobalt	ug/L	10 U	EPA 6010	100	10	03/13/15 10:55	03/13/15 18:15	1
Copper	ug/L	0.18 I	EPA 6020	0.50	0.13	03/13/15 09:39	03/16/15 12:51	1
Iron	ug/L	20 U	EPA 6010	100	20	03/13/15 10:55	03/13/15 18:15	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	03/13/15 09:39	03/16/15 12:51	1

Florida Certification Number: E84129
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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

April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-12D 2511**
Matrix	**Groundwater**
SAL Sample Number	**1502209-07**
Date/Time Collected	**03/04/15 15:11**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/06/15 10:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Mercury	ug/L	0.10 U	EPA 7470	0.50	0.10	03/31/15 12:00	03/31/15 17:36	1
Nickel	ug/L	3.5 I	EPA 6020	5.0	0.46	03/13/15 09:39	03/16/15 12:51	1
Selenium	ug/L	1.4 I	EPA 6020	5.0	0.93	03/18/15 09:35	03/18/15 11:02	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	03/13/15 10:55	03/13/15 18:15	1
Sodium	mg/L	7.9	EPA 6010	0.50	0.13	03/13/15 10:55	03/13/15 18:15	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	03/13/15 09:39	03/16/15 12:51	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	03/13/15 10:55	03/13/15 18:15	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	03/13/15 09:39	03/17/15 13:45	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2515

Sampling Date/Time: 03/03/2015 @ 14:40

Well Name: 2MW-13D

Report Period: 2015 Quarter I

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	0.19	mg/L
001045	Iron	"	No	EPA 200.7		"	ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B		"	ug/L	0.03	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	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F		"	mg/L	0.04	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: 03/11/2015 @ 15:30

Well Name: 4MW-13D

Report Period: 2015 Quarter I

Classification of Groundwater: Floridan

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			mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/11/15 15:30	6.56	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/11/15 15:30	25.98	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/11/15 15:30	376	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/11/15 15:30	0.95	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/11/15 15:30	2.1	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	03/12/15 10:00	26.3	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	03/13/15 11:30	270	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	03/20/15 12:00	0.03 U	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	03/17/15 10:30	0.07 I	mg/L	0.04	mg/L
072020	Water Level (MSL)	"	No		03/11/15 15:30	29.97	Feet NGVD		Feet NGVD

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April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-13D 19214**
Matrix	**Groundwater**
SAL Sample Number	**1502209-25**
Date/Time Collected	**03/11/15 15:30**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/13/15 09:20**

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		03/20/15 20:29	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 20:29	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 20:29	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 20:29	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 20:29	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 20:29	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/20/15 20:29	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 20:29	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 20:29	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 20:29	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 20:29	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/20/15 20:29	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		03/20/15 20:29	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		03/20/15 20:29	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/20/15 20:29	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		03/20/15 20:29	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 20:29	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 20:29	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 20:29	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 20:29	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/20/15 20:29	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 20:29	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 20:29	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 20:29	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/20/15 20:29	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 20:29	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/20/15 20:29	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/20/15 20:29	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 20:29	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 20:29	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 20:29	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		03/20/15 20:29	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 20:29	1

Florida Certification Number: E84129
NELAP Accredited

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

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April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-13D 19214**
Matrix	**Groundwater**
SAL Sample Number	**1502209-25**
Date/Time Collected	**03/11/15 15:30**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/13/15 09:20**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 20:29	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		03/20/15 20:29	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 20:29	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/20/15 20:29	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 20:29	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 20:29	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		03/20/15 20:29	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 20:29	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 20:29	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		03/20/15 20:29	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		03/20/15 20:29	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		03/20/15 20:29	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 20:29	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 20:29	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*101 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*101 %*	*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	0.0055 U	EPA 8011	0.022	0.0055	03/18/15 15:03	03/19/15 02:00	1
1,2-Dibromoethane	ug/L	0.0055 U	EPA 8011	0.022	0.0055	03/18/15 15:03	03/19/15 02:00	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*122 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	03/18/15 09:46	03/18/15 12:18	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	03/13/15 09:42	03/17/15 11:59	1
Barium	ug/L	8.5	EPA 6020	0.50	0.18	03/13/15 09:42	03/17/15 11:59	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	03/13/15 10:50	03/16/15 12:25	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	03/13/15 09:42	03/17/15 11:59	1
Chromium	ug/L	0.35 U	EPA 6020	5.0	0.35	03/13/15 09:42	03/17/15 11:59	1
Cobalt	ug/L	10 U	EPA 6010	100	10	03/13/15 10:50	03/16/15 12:25	1
Copper	ug/L	0.26 I	EPA 6020	0.50	0.13	03/13/15 09:42	03/17/15 11:59	1
Iron	ug/L	20 U	EPA 6010	100	20	03/13/15 10:50	03/16/15 12:25	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	03/13/15 09:42	03/17/15 11:59	1

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Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-13D 19214**
Matrix	**Groundwater**
SAL Sample Number	**1502209-25**
Date/Time Collected	**03/11/15 15:30**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/13/15 09:20**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Mercury	ug/L	0.10 U	EPA 7470	0.50	0.10	04/01/15 08:54	04/03/15 17:21	1
Nickel	ug/L	3.8 I	EPA 6020	5.0	0.46	03/13/15 09:42	03/17/15 11:59	1
Selenium	ug/L	1.4 I	EPA 6020	5.0	0.93	03/18/15 09:46	03/18/15 12:18	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	03/13/15 10:50	03/16/15 12:25	1
Sodium	mg/L	11	EPA 6010	0.50	0.13	03/13/15 10:50	03/16/15 12:25	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	03/13/15 09:42	03/17/15 11:59	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	03/13/15 10:50	03/16/15 12:25	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	03/13/15 09:42	03/18/15 17:32	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2512

Sampling Date/Time: 03/05/2015 @ 13:56

Well Name: 4MW-14D

Report Period: 2015 Quarter I

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 30.87

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			mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/05/15 13:56	7.34	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/05/15 13:56	26.29	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/05/15 13:56	347	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/05/15 13:56	0.93	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/05/15 13:56	0.0	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	03/10/15 10:00	33.0	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	03/06/15 12:45	270	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	03/11/15 12:00	0.08 I	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	03/17/15 8:00	0.71	mg/L	0.04	mg/L
072020	Water Level (MSL)	"	No		03/05/15 13:56	30.87	Feet NGVD		Feet NGVD

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Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-14D 2512**
Matrix	**Groundwater**
SAL Sample Number	**1502209-10**
Date/Time Collected	**03/05/15 13:56**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/06/15 10:00**

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		03/09/15 20:24	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:24	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:24	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:24	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:24	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:24	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/09/15 20:24	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 20:24	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 20:24	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:24	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:24	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/09/15 20:24	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		03/09/15 20:24	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		03/09/15 20:24	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/09/15 20:24	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		03/09/15 20:24	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 20:24	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 20:24	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:24	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:24	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/09/15 20:24	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:24	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:24	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 20:24	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/09/15 20:24	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:24	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/09/15 20:24	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/09/15 20:24	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:24	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 20:24	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:24	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		03/09/15 20:24	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:24	1

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Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-14D 2512**
Matrix	**Groundwater**
SAL Sample Number	**1502209-10**
Date/Time Collected	**03/05/15 13:56**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/06/15 10:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:24	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		03/09/15 20:24	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 20:24	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/09/15 20:24	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:24	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 20:24	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		03/09/15 20:24	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:24	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:24	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		03/09/15 20:24	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		03/09/15 20:24	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		03/09/15 20:24	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 20:24	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 20:24	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*101 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*99 %*	*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	0.0054 U	EPA 8011	0.022	0.0054	03/17/15 12:50	03/18/15 01:27	1
1,2-Dibromoethane	ug/L	0.0054 U	EPA 8011	0.022	0.0054	03/17/15 12:50	03/18/15 01:27	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*99 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	03/18/15 09:35	03/18/15 11:10	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	03/13/15 09:39	03/16/15 13:04	1
Barium	ug/L	10	EPA 6020	0.50	0.18	03/13/15 09:39	03/16/15 13:04	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	03/13/15 10:55	03/13/15 18:24	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	03/13/15 09:39	03/16/15 13:04	1
Chromium	ug/L	0.38 I	EPA 6020	5.0	0.35	03/13/15 09:39	03/16/15 13:04	1
Cobalt	ug/L	10 U	EPA 6010	100	10	03/13/15 10:55	03/13/15 18:24	1
Copper	ug/L	0.28 I	EPA 6020	0.50	0.13	03/13/15 09:39	03/16/15 13:04	1
Iron	ug/L	26 I	EPA 6010	100	20	03/13/15 10:55	03/13/15 18:24	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	03/13/15 09:39	03/16/15 13:04	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

April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-14D 2512**
Matrix	**Groundwater**
SAL Sample Number	**1502209-10**
Date/Time Collected	**03/05/15 13:56**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/06/15 10:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Mercury	ug/L	0.10 U	EPA 7470	0.50	0.10	03/31/15 12:00	03/31/15 17:41	1
Nickel	ug/L	5.3	EPA 6020	5.0	0.46	03/13/15 09:39	03/16/15 13:04	1
Selenium	ug/L	2.2 I	EPA 6020	5.0	0.93	03/18/15 09:35	03/18/15 11:10	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	03/13/15 10:55	03/13/15 18:24	1
Sodium	mg/L	14	EPA 6010	0.50	0.13	03/13/15 10:55	03/13/15 18:24	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	03/13/15 09:39	03/16/15 13:04	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	03/13/15 10:55	03/13/15 18:24	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	03/13/15 09:39	03/17/15 13:58	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 19766

Sampling Date/Time: 03/12/2015 @ 10:53

Well Name: 2MW-15DA

Report Period: 2015 Quarter I

Classification of Groundwater:

Well Purged: YES

Groundwater Elevation (NGVD): 33.22

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			mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/12/15 10:53	7.30	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/12/15 10:53	24.84	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/12/15 10:53	238	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/12/15 10:53	1.07	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/12/15 10:53	88.0	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	03/19/15 10:00	7.64	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	03/13/15 11:30	202	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	03/20/15 12:00	0.03 I	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	03/17/15 10:30	0.24	mg/L	0.04	mg/L
072020	Water Level (MSL)	"	No		03/12/15 10:53	33.22	Feet NGVD		Feet NGVD

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Work Order: 1502209
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Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-15DA 19766**
Matrix	**Groundwater**
SAL Sample Number	**1502209-21**
Date/Time Collected	**03/12/15 10:53**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/13/15 09:20**

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		03/20/15 18:23	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:23	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:23	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:23	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:23	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:23	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/20/15 18:23	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 18:23	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 18:23	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:23	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:23	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/20/15 18:23	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		03/20/15 18:23	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		03/20/15 18:23	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/20/15 18:23	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		03/20/15 18:23	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 18:23	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 18:23	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:23	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:23	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/20/15 18:23	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:23	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:23	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 18:23	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/20/15 18:23	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:23	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/20/15 18:23	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/20/15 18:23	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:23	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 18:23	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:23	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		03/20/15 18:23	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:23	1

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Sample Description	**2MW-15DA 19766**
Matrix	**Groundwater**
SAL Sample Number	**1502209-21**
Date/Time Collected	**03/12/15 10:53**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/13/15 09:20**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:23	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		03/20/15 18:23	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 18:23	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/20/15 18:23	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:23	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 18:23	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		03/20/15 18:23	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:23	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:23	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		03/20/15 18:23	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		03/20/15 18:23	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		03/20/15 18:23	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:23	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 18:23	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*100 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*96 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*		*101 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*		*98 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0055 U	EPA 8011	0.022	0.0055	03/18/15 15:03	03/19/15 00:33	1
1,2-Dibromoethane	ug/L	0.0055 U	EPA 8011	0.022	0.0055	03/18/15 15:03	03/19/15 00:33	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*96 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	03/18/15 09:46	03/18/15 12:07	1
Arsenic	ug/L	2.0 I	EPA 6020	5.0	0.93	03/13/15 09:42	03/17/15 11:22	1
Barium	ug/L	15	EPA 6020	0.50	0.18	03/13/15 09:42	03/17/15 11:22	1
Beryllium	ug/L	0.85 I	EPA 6010	1.0	0.096	03/13/15 10:50	03/16/15 11:55	1
Cadmium	ug/L	0.40 I	EPA 6020	0.50	0.27	03/13/15 09:42	03/17/15 11:22	1
Chromium	ug/L	0.35 U	EPA 6020	5.0	0.35	03/13/15 09:42	03/17/15 11:22	1
Cobalt	ug/L	10 U	EPA 6010	100	10	03/13/15 10:50	03/16/15 11:55	1
Copper	ug/L	0.86	EPA 6020	0.50	0.13	03/13/15 09:42	03/17/15 11:22	1
Iron	ug/L	11,000	EPA 6010	100	20	03/13/15 10:50	03/16/15 11:55	1
Lead	ug/L	1.3	EPA 6020	0.50	0.25	03/13/15 09:42	03/17/15 11:22	1

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Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-15DA 19766**
Matrix	**Groundwater**
SAL Sample Number	**1502209-21**
Date/Time Collected	**03/12/15 10:53**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/13/15 09:20**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Mercury	ug/L	0.10 U	EPA 7470	0.50	0.10	04/01/15 08:54	04/03/15 17:11	1
Nickel	ug/L	3.9 I	EPA 6020	5.0	0.46	03/13/15 09:42	03/17/15 11:22	1
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	03/18/15 09:46	03/18/15 12:07	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	03/13/15 10:50	03/16/15 11:55	1
Sodium	mg/L	4.2	EPA 6010	0.50	0.13	03/13/15 10:50	03/16/15 11:55	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	03/13/15 09:42	03/17/15 11:22	1
Vanadium	ug/L	35	EPA 6010	10	7.8	03/13/15 10:50	03/16/15 11:55	1
Zinc	ug/L	1.7 I	EPA 6020	5.0	0.88	03/13/15 09:42	03/18/15 17:04	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 19758

Sampling Date/Time: 03/12/2015 @ 10:13

Well Name: 2MW-17S

Report Period: 2015 Quarter I

Classification of Groundwater:

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			mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/12/15 10:13	6.41	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/12/15 10:13	24.86	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/12/15 10:13	315	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/12/15 10:13	2.10	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/12/15 10:13	25.6	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	03/19/15 10:00	18.2	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	03/13/15 11:30	342	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	03/20/15 12:00	0.03 U	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	03/18/15 16:39	19.26	mg/L	0.04	mg/L
072020	Water Level (MSL)	"	No		03/12/15 10:13	27.88	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 19758

Sampling Date/Time: 04/07/2015 @ 13:16

Well Name: 2MW-17S

Report Period: 2015 Quarter I

Classification of Groundwater:

Well Purged: YES

Groundwater Elevation (NGVD): 27.58

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			mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	04/07/15 13:16	6.39	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	04/07/15 13:16	29.4	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	04/07/15 13:16	330	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	04/07/15 13:16	3.21	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	04/07/15 13:16	15.2	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	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	04/09/15 13:30	22.07	mg/L	0.04	mg/L
900216	Color by Obs. (Field)	"	No	SM 2120B	04/07/15 13:16	CLOUDY	Obs.	0	Obs.
072020	Water Level (MSL)	"	No		04/07/15 13:16	27.58	Feet NGVD		Feet NGVD

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Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-17S 19758**
Matrix	**Groundwater**
SAL Sample Number	**1502209-20**
Date/Time Collected	**03/12/15 10:13**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/13/15 09:20**

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		03/20/15 17:51	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 17:51	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 17:51	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 17:51	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 17:51	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 17:51	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/20/15 17:51	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 17:51	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 17:51	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 17:51	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 17:51	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/20/15 17:51	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		03/20/15 17:51	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		03/20/15 17:51	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/20/15 17:51	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		03/20/15 17:51	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 17:51	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 17:51	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 17:51	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 17:51	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/20/15 17:51	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 17:51	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 17:51	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 17:51	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/20/15 17:51	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 17:51	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/20/15 17:51	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/20/15 17:51	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 17:51	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 17:51	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 17:51	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		03/20/15 17:51	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 17:51	1

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Pasco County Environmental Laboratory
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New Port Richey, FL 34654

April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-17S 19758**
Matrix	**Groundwater**
SAL Sample Number	**1502209-20**
Date/Time Collected	**03/12/15 10:13**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/13/15 09:20**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 17:51	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		03/20/15 17:51	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 17:51	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/20/15 17:51	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 17:51	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 17:51	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		03/20/15 17:51	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 17:51	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 17:51	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		03/20/15 17:51	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		03/20/15 17:51	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		03/20/15 17:51	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 17:51	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 17:51	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*100 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*103 %*	*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	0.0056 U	EPA 8011	0.022	0.0056	03/18/15 15:03	03/19/15 00:11	1
1,2-Dibromoethane	ug/L	0.0056 U	EPA 8011	0.022	0.0056	03/18/15 15:03	03/19/15 00:11	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*102 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	03/18/15 09:35	03/18/15 11:48	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	03/13/15 09:39	03/16/15 14:08	1
Barium	ug/L	22	EPA 6020	0.50	0.18	03/13/15 09:39	03/16/15 14:08	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	03/13/15 10:55	03/13/15 19:07	1
Cadmium	ug/L	0.42 I	EPA 6020	0.50	0.27	03/13/15 09:39	03/16/15 14:08	1
Chromium	ug/L	5.0	EPA 6020	5.0	0.35	03/13/15 09:39	03/16/15 14:08	1
Cobalt	ug/L	10 U	EPA 6010	100	10	03/13/15 10:55	03/13/15 19:07	1
Copper	ug/L	2.8	EPA 6020	0.50	0.13	03/13/15 09:39	03/16/15 14:08	1
Iron	ug/L	620	EPA 6010	100	20	03/13/15 10:55	03/13/15 19:07	1
Lead	ug/L	1.4	EPA 6020	0.50	0.25	03/13/15 09:39	03/16/15 14:08	1

Florida Certification Number: E84129
NELAP Accredited

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

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April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-17S 19758**
Matrix	**Groundwater**
SAL Sample Number	**1502209-20**
Date/Time Collected	**03/12/15 10:13**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/13/15 09:20**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Mercury	ug/L	0.10 U	EPA 7470	0.50	0.10	04/01/15 08:54	04/03/15 17:10	1
Nickel	ug/L	4.2 I	EPA 6020	5.0	0.46	03/13/15 09:39	03/16/15 14:08	1
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	03/18/15 09:35	03/18/15 11:48	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	03/13/15 10:55	03/13/15 19:07	1
Sodium	mg/L	4.5	EPA 6010	0.50	0.13	03/13/15 10:55	03/13/15 19:07	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	03/13/15 09:39	03/16/15 14:08	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	03/13/15 10:55	03/13/15 19:07	1
Zinc	ug/L	6.0	EPA 6020	5.0	0.88	03/13/15 09:39	03/17/15 14:53	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 19759

Sampling Date/Time: 03/05/2015 @ 11:54

Well Name: 2MW-18D

Report Period: 2015 Quarter I

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 03/05/2015

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			mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/05/15 11:54	6.76	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/05/15 11:54	24.48	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/05/15 11:54	403	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/05/15 11:54	1.10	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/05/15 11:54	13.4	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	03/10/15 10:00	37.8	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	03/06/15 12:45	316	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	03/11/15 12:00	0.04 I	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	03/17/15 8:00	0.49	mg/L	0.04	mg/L
072020	Water Level (MSL)	"	No		03/05/15 11:54	27.81	Feet NGVD		Feet NGVD

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April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-18D 19759**
Matrix	**Groundwater**
SAL Sample Number	**1502209-09**
Date/Time Collected	**03/05/15 11:54**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/06/15 10:00**

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		03/09/15 19:53	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:53	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:53	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:53	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:53	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:53	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/09/15 19:53	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 19:53	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 19:53	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:53	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:53	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/09/15 19:53	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		03/09/15 19:53	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		03/09/15 19:53	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/09/15 19:53	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		03/09/15 19:53	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 19:53	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 19:53	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:53	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:53	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/09/15 19:53	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:53	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:53	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 19:53	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/09/15 19:53	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:53	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/09/15 19:53	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/09/15 19:53	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:53	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 19:53	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:53	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		03/09/15 19:53	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:53	1

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April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-18D 19759**
Matrix	**Groundwater**
SAL Sample Number	**1502209-09**
Date/Time Collected	**03/05/15 11:54**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/06/15 10:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:53	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		03/09/15 19:53	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 19:53	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/09/15 19:53	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:53	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 19:53	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		03/09/15 19:53	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:53	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:53	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		03/09/15 19:53	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		03/09/15 19:53	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		03/09/15 19:53	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:53	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 19:53	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*98 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*100 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*		*103 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*		*99 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0054 U	EPA 8011	0.021	0.0054	03/17/15 12:50	03/18/15 01:06	1
1,2-Dibromoethane	ug/L	0.0054 U	EPA 8011	0.021	0.0054	03/17/15 12:50	03/18/15 01:06	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*95 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	03/18/15 09:35	03/18/15 11:07	1
Arsenic	ug/L	0.93 I	EPA 6020	5.0	0.93	03/13/15 09:39	03/16/15 13:00	1
Barium	ug/L	8.8	EPA 6020	0.50	0.18	03/13/15 09:39	03/16/15 13:00	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	03/13/15 10:55	03/13/15 18:21	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	03/13/15 09:39	03/16/15 13:00	1
Chromium	ug/L	0.53 I	EPA 6020	5.0	0.35	03/13/15 09:39	03/16/15 13:00	1
Cobalt	ug/L	10 U	EPA 6010	100	10	03/13/15 10:55	03/13/15 18:21	1
Copper	ug/L	0.24 I	EPA 6020	0.50	0.13	03/13/15 09:39	03/16/15 13:00	1
Iron	ug/L	29 I	EPA 6010	100	20	03/13/15 10:55	03/13/15 18:21	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	03/13/15 09:39	03/16/15 13:00	1

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April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-18D 19759**
Matrix	**Groundwater**
SAL Sample Number	**1502209-09**
Date/Time Collected	**03/05/15 11:54**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/06/15 10:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Mercury	ug/L	0.10 U	EPA 7470	0.50	0.10	03/31/15 12:00	03/31/15 17:39	1
Nickel	ug/L	3.9 I	EPA 6020	5.0	0.46	03/13/15 09:39	03/16/15 13:00	1
Selenium	ug/L	1.3 I	EPA 6020	5.0	0.93	03/18/15 09:35	03/18/15 11:07	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	03/13/15 10:55	03/13/15 18:21	1
Sodium	mg/L	13	EPA 6010	0.50	0.13	03/13/15 10:55	03/13/15 18:21	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	03/13/15 09:39	03/16/15 13:00	1
Vanadium	ug/L	8.5 I	EPA 6010	10	7.8	03/13/15 10:55	03/13/15 18:21	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	03/13/15 09:39	03/17/15 13:54	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 19764

Sampling Date/Time: 03/05/2015 @ 11:04

Well Name: 2MW-19D

Report Period: 2015 Quarter I

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 28.52

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			mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/05/15 11:04	6.80	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/05/15 11:04	24.43	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/05/15 11:04	403	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/05/15 11:04	0.69	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/05/15 11:04	0.0	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	03/10/15 10:00	24.7	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	03/06/15 12:45	298	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	03/11/15 12:00	0.05 I	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	03/17/15 8:00	0.16	mg/L	0.04	mg/L
072020	Water Level (MSL)	"	No		03/05/15 11:04	28.52	Feet NGVD		Feet NGVD

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April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-19D 19764**
Matrix	**Groundwater**
SAL Sample Number	**1502209-08**
Date/Time Collected	**03/05/15 11:04**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/06/15 10:00**

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		03/09/15 19:22	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:22	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:22	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:22	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:22	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:22	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/09/15 19:22	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 19:22	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 19:22	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:22	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:22	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/09/15 19:22	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		03/09/15 19:22	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		03/09/15 19:22	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/09/15 19:22	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		03/09/15 19:22	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 19:22	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 19:22	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:22	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:22	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/09/15 19:22	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:22	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:22	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 19:22	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/09/15 19:22	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:22	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/09/15 19:22	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/09/15 19:22	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:22	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 19:22	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:22	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		03/09/15 19:22	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:22	1

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Leslie C. Boardman, Q.A. Manager

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Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-19D 19764**
Matrix	**Groundwater**
SAL Sample Number	**1502209-08**
Date/Time Collected	**03/05/15 11:04**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/06/15 10:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:22	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		03/09/15 19:22	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 19:22	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/09/15 19:22	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:22	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 19:22	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		03/09/15 19:22	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:22	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:22	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		03/09/15 19:22	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		03/09/15 19:22	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		03/09/15 19:22	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		03/09/15 19:22	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		03/09/15 19:22	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*101 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*101 %*	*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	0.0053 U	EPA 8011	0.021	0.0053	03/17/15 12:50	03/18/15 00:44	1
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	03/17/15 12:50	03/18/15 00:44	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*101 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	03/18/15 09:35	03/18/15 11:04	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	03/13/15 09:39	03/16/15 12:55	1
Barium	ug/L	9.8	EPA 6020	0.50	0.18	03/13/15 09:39	03/16/15 12:55	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	03/13/15 10:55	03/13/15 18:18	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	03/13/15 09:39	03/16/15 12:55	1
Chromium	ug/L	0.35 U	EPA 6020	5.0	0.35	03/13/15 09:39	03/16/15 12:55	1
Cobalt	ug/L	10 U	EPA 6010	100	10	03/13/15 10:55	03/13/15 18:18	1
Copper	ug/L	0.32 I	EPA 6020	0.50	0.13	03/13/15 09:39	03/16/15 12:55	1
Iron	ug/L	20 U	EPA 6010	100	20	03/13/15 10:55	03/13/15 18:18	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	03/13/15 09:39	03/16/15 12:55	1

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ACCREDITED IN ACCORDANCE WITH nelac

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

April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-19D 19764**
Matrix	**Groundwater**
SAL Sample Number	**1502209-08**
Date/Time Collected	**03/05/15 11:04**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/06/15 10:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Mercury	ug/L	0.10 U	EPA 7470	0.50	0.10	03/31/15 12:00	03/31/15 17:38	1
Nickel	ug/L	4.3 I	EPA 6020	5.0	0.46	03/13/15 09:39	03/16/15 12:55	1
Selenium	ug/L	1.1 I	EPA 6020	5.0	0.93	03/18/15 09:35	03/18/15 11:04	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	03/13/15 10:55	03/13/15 18:18	1
Sodium	mg/L	8.2	EPA 6010	0.50	0.13	03/13/15 10:55	03/13/15 18:18	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	03/13/15 09:39	03/16/15 12:55	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	03/13/15 10:55	03/13/15 18:18	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	03/13/15 09:39	03/17/15 13:49	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: West Pasco Class III Sanitary Landfill

Test Site ID #: 23065

Sampling Date/Time: 03/10/2015 @ 14:00

Well Name: 4MW-21

Report Period: 2015 Quarter I

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 30.82

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	03/17/15 8:00	6.80	mg/L	0.04	mg/L
000929	Sodium	"	No	EPA 200.7			mg/L	0.19	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/10/15 14:00	14.8	NTU	0.00	NTU
00940	Chloride	"	No	EPA 300.0	03/10/15 16:30	11.6	mg/L	0.10	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.6	ug/L
00400	pH-Field	"	No	FDEP FT 11	03/10/15 14:00	7.17	std. units	0.10	std. units
070300	TDS	"	No	SM 2540C	03/13/15 11:30	156	mg/L	0.1	mg/L
000344	Dissolved Oxy. (Field)	"	No	FDEP FT 15	03/10/15 14:00	2.24	mg/L	0.1	mg/L
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/10/15 14:00	129	umhos/cm	1	umhos/cm
000010	Temp. (Field)	"	No	FDEP FT 14	03/10/15 14:00	24.65	deg. C	0.00	deg. C
071900	Mercury	"	No	SM 3112B			ug/L	0.03	ug/L
000610	Ammonia	"	No	SM 4500NH_3H	03/20/15 12:00	0.03 U	mg/L	0.03	mg/L
900216	Color by Obs. (Field)	"	No	SM 2120B	03/10/15 14:00	CLOUDY	Obs.	0	Obs.
072020	Water Level	"	No	DEP-SOP	03/10/15 14:00	30.82	Feet NGVD	0	Feet NGVD

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Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-21 23065**
Matrix	**Groundwater**
SAL Sample Number	**1502209-18**
Date/Time Collected	**03/10/15 14:00**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/11/15 14:40**

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		03/11/15 23:50	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:50	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:50	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:50	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:50	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:50	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/11/15 23:50	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 23:50	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 23:50	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:50	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:50	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/11/15 23:50	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		03/11/15 23:50	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		03/11/15 23:50	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/11/15 23:50	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		03/11/15 23:50	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 23:50	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 23:50	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:50	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:50	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/11/15 23:50	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:50	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:50	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 23:50	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/11/15 23:50	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:50	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/11/15 23:50	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/11/15 23:50	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:50	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 23:50	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:50	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		03/11/15 23:50	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:50	1

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Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-21 23065**
Matrix	**Groundwater**
SAL Sample Number	**1502209-18**
Date/Time Collected	**03/10/15 14:00**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/11/15 14:40**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:50	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		03/11/15 23:50	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 23:50	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/11/15 23:50	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:50	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 23:50	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		03/11/15 23:50	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:50	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:50	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		03/11/15 23:50	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		03/11/15 23:50	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		03/11/15 23:50	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 23:50	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 23:50	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*98 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*100 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*		*101 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*		*99 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0058 U	EPA 8011	0.023	0.0058	03/18/15 15:03	03/18/15 22:43	1
1,2-Dibromoethane	ug/L	0.0058 U	EPA 8011	0.023	0.0058	03/18/15 15:03	03/18/15 22:43	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*96 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	03/18/15 09:35	03/18/15 11:42	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	03/13/15 09:39	03/16/15 13:59	1
Barium	ug/L	9.5	EPA 6020	0.50	0.18	03/13/15 09:39	03/16/15 13:59	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	03/13/15 10:55	03/13/15 19:01	1
Cadmium	ug/L	1.0	EPA 6020	0.50	0.27	03/13/15 09:39	03/16/15 13:59	1
Chromium	ug/L	0.83 I	EPA 6020	5.0	0.35	03/13/15 09:39	03/16/15 13:59	1
Cobalt	ug/L	10 U	EPA 6010	100	10	03/13/15 10:55	03/13/15 19:01	1
Copper	ug/L	1.6	EPA 6020	0.50	0.13	03/13/15 09:39	03/16/15 13:59	1
Iron	ug/L	120	EPA 6010	100	20	03/13/15 10:55	03/13/15 19:01	1
Lead	ug/L	0.94	EPA 6020	0.50	0.25	03/13/15 09:39	03/16/15 13:59	1

Florida Certification Number: E84129
NELAP Accredited

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Leslie C. Boardman, Q.A. Manager

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

April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-21 23065**
Matrix	**Groundwater**
SAL Sample Number	**1502209-18**
Date/Time Collected	**03/10/15 14:00**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/11/15 14:40**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Mercury	ug/L	0.17 I	EPA 7470	0.50	0.10	04/01/15 08:54	04/03/15 17:03	1
Nickel	ug/L	2.5 I	EPA 6020	5.0	0.46	03/13/15 09:39	03/16/15 13:59	1
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	03/18/15 09:35	03/18/15 11:42	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	03/13/15 10:55	03/13/15 19:01	1
Sodium	mg/L	7.1	EPA 6010	0.50	0.13	03/13/15 10:55	03/13/15 19:01	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	03/13/15 09:39	03/16/15 13:59	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	03/13/15 10:55	03/13/15 19:01	1
Zinc	ug/L	7.6	EPA 6020	5.0	0.88	03/13/15 09:39	03/17/15 14:44	1

PART III ANALYTICAL RESULTS

Facility ID#: 45799

Site: West Pasco Class III Sanitary Landfill

Test Site ID #: 23066

Sampling Date/Time: 03/10/2015 @ 15:13

Well Name: 4MW-22

Report Period: 2015 Quarter I

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 29.64

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	03/17/15 8:00	0.09 I	mg/L	0.04	mg/L
000929	Sodium	"	No	EPA 200.7			mg/L	0.19	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/10/15 15:13	14.7	NTU	0.00	NTU
00940	Chloride	"	No	EPA 300.0	03/10/15 16:30	19.2	mg/L	0.10	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.6	ug/L
00400	pH-Field	"	No	FDEP FT 11	03/10/15 15:13	7.84	std. units	0.10	std. units
070300	TDS	"	No	SM 2540C	03/13/15 11:30	290	mg/L	0.1	mg/L
000344	Dissolved Oxy. (Field)	"	No	FDEP FT 15	03/10/15 15:13	1.11	mg/L	0.1	mg/L
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/10/15 15:13	388	umhos/cm	1	umhos/cm
000010	Temp. (Field)	"	No	FDEP FT 14	03/10/15 15:13	24.05	deg. C	0.00	deg. C
071900	Mercury	"	No	SM 3112B			ug/L	0.03	ug/L
000610	Ammonia	"	No	SM 4500NH_3H	03/20/15 12:00	0.03 U	mg/L	0.03	mg/L
900216	Color by Obs. (Field)	"	No	SM 2120B	03/10/15 15:13	CLOUDY	Obs.	0	Obs.
072020	Water Level	"	No	DEP-SOP	03/10/15 15:13	29.64	Feet NGVD	0	Feet NGVD

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April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-22 23066**
Matrix	**Groundwater**
SAL Sample Number	**1502209-19**
Date/Time Collected	**03/10/15 15:13**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/11/15 14:40**

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		03/12/15 00:21	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/12/15 00:21	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/12/15 00:21	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/12/15 00:21	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/12/15 00:21	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/12/15 00:21	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/12/15 00:21	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/12/15 00:21	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/12/15 00:21	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/12/15 00:21	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/12/15 00:21	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/12/15 00:21	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		03/12/15 00:21	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		03/12/15 00:21	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/12/15 00:21	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		03/12/15 00:21	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/12/15 00:21	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/12/15 00:21	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/12/15 00:21	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/12/15 00:21	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/12/15 00:21	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		03/12/15 00:21	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/12/15 00:21	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/12/15 00:21	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/12/15 00:21	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/12/15 00:21	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/12/15 00:21	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/12/15 00:21	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/12/15 00:21	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/12/15 00:21	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/12/15 00:21	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		03/12/15 00:21	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/12/15 00:21	1

Florida Certification Number: E84129
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April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-22 23066**
Matrix	**Groundwater**
SAL Sample Number	**1502209-19**
Date/Time Collected	**03/10/15 15:13**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/11/15 14:40**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/12/15 00:21	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		03/12/15 00:21	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/12/15 00:21	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/12/15 00:21	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/12/15 00:21	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/12/15 00:21	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		03/12/15 00:21	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/12/15 00:21	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/12/15 00:21	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		03/12/15 00:21	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		03/12/15 00:21	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		03/12/15 00:21	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		03/12/15 00:21	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		03/12/15 00:21	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*99 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*100 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*		*102 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*		*102 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0055 U	EPA 8011	0.022	0.0055	03/18/15 15:03	03/18/15 23:05	1
1,2-Dibromoethane	ug/L	0.0055 U	EPA 8011	0.022	0.0055	03/18/15 15:03	03/18/15 23:05	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*99 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	03/18/15 09:35	03/18/15 11:45	1
Arsenic	ug/L	2.2 I	EPA 6020	5.0	0.93	03/13/15 09:39	03/16/15 14:04	1
Barium	ug/L	13	EPA 6020	0.50	0.18	03/13/15 09:39	03/16/15 14:04	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	03/13/15 10:55	03/13/15 19:04	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	03/13/15 09:39	03/16/15 14:04	1
Chromium	ug/L	0.35 U	EPA 6020	5.0	0.35	03/13/15 09:39	03/16/15 14:04	1
Cobalt	ug/L	10 U	EPA 6010	100	10	03/13/15 10:55	03/13/15 19:04	1
Copper	ug/L	0.54	EPA 6020	0.50	0.13	03/13/15 09:39	03/16/15 14:04	1
Iron	ug/L	700	EPA 6010	100	20	03/13/15 10:55	03/13/15 19:04	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	03/13/15 09:39	03/16/15 14:04	1

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April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-22 23066**
Matrix	**Groundwater**
SAL Sample Number	**1502209-19**
Date/Time Collected	**03/10/15 15:13**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/11/15 14:40**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Mercury	ug/L	0.10 U	EPA 7470	0.50	0.10	04/01/15 08:54	04/03/15 17:08	1
Nickel	ug/L	4.8 I	EPA 6020	5.0	0.46	03/13/15 09:39	03/16/15 14:04	1
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	03/18/15 09:35	03/18/15 11:45	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	03/13/15 10:55	03/13/15 19:04	1
Sodium	mg/L	7.1	EPA 6010	0.50	0.13	03/13/15 10:55	03/13/15 19:04	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	03/13/15 09:39	03/16/15 14:04	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	03/13/15 10:55	03/13/15 19:04	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	03/13/15 09:39	03/17/15 14:49	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 23443

Sampling Date/Time: 03/09/2015 @ 11:07

Well Name: 2MW-24S

Report Period: 2015 Quarter I

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	03/09/15 11:07	IFS	mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7		"	ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B		"	ug/L	0.03	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	0.10	mg/L
000610	Ammonia	"	No	SM 4500NH_3H		"	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F		"	mg/L	0.04	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 #: 23444

Sampling Date/Time: 03/09/2015 @ 12:03

Well Name: 2MW-24D

Report Period: 2015 Quarter I

Classification of Groundwater: G-II

Well Purged: YES

Groundwater Elevation (NGVD): 30.55

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			mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/09/15 12:03	7.54	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/09/15 12:03	24.47	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/09/15 12:03	478	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/09/15 12:03	1.04	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/09/15 12:03	0.0	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	03/12/15 10:00	59.3	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	03/13/15 11:30	356	mg/L	0.10	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	03/20/15 12:00	0.03 U	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	03/17/15 8:00	1.76	mg/L	0.04	mg/L
072020	Water Level (MSL)	"	No		03/09/15 12:03	30.55	Feet NGVD		Feet NGVD

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April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-24D 23444**
Matrix	**Groundwater**
SAL Sample Number	**1502209-12**
Date/Time Collected	**03/09/15 12:03**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/11/15 14:40**

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		03/11/15 20:41	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 20:41	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 20:41	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 20:41	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 20:41	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 20:41	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/11/15 20:41	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 20:41	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 20:41	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 20:41	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 20:41	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/11/15 20:41	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		03/11/15 20:41	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		03/11/15 20:41	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/11/15 20:41	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		03/11/15 20:41	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 20:41	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 20:41	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 20:41	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 20:41	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/11/15 20:41	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 20:41	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 20:41	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 20:41	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/11/15 20:41	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 20:41	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/11/15 20:41	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/11/15 20:41	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 20:41	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 20:41	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 20:41	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		03/11/15 20:41	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 20:41	1

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New Port Richey, FL 34654

April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-24D 23444**
Matrix	**Groundwater**
SAL Sample Number	**1502209-12**
Date/Time Collected	**03/09/15 12:03**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/11/15 14:40**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 20:41	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		03/11/15 20:41	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 20:41	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/11/15 20:41	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 20:41	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 20:41	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		03/11/15 20:41	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 20:41	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 20:41	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		03/11/15 20:41	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		03/11/15 20:41	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		03/11/15 20:41	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 20:41	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 20:41	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*98 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*98 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*		*100 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*		*102 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0054 U	EPA 8011	0.022	0.0054	03/17/15 12:50	03/18/15 02:11	1
1,2-Dibromoethane	ug/L	0.0054 U	EPA 8011	0.022	0.0054	03/17/15 12:50	03/18/15 02:11	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*93 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	03/18/15 09:35	03/18/15 11:16	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	03/13/15 09:39	03/16/15 13:13	1
Barium	ug/L	16	EPA 6020	0.50	0.18	03/13/15 09:39	03/16/15 13:13	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	03/13/15 10:55	03/13/15 18:36	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	03/13/15 09:39	03/16/15 13:13	1
Chromium	ug/L	0.58 I	EPA 6020	5.0	0.35	03/13/15 09:39	03/16/15 13:13	1
Cobalt	ug/L	10 U	EPA 6010	100	10	03/13/15 10:55	03/13/15 18:36	1
Copper	ug/L	1.1	EPA 6020	0.50	0.13	03/13/15 09:39	03/16/15 13:13	1
Iron	ug/L	63 I	EPA 6010	100	20	03/13/15 10:55	03/13/15 18:36	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	03/13/15 09:39	03/16/15 13:13	1

Florida Certification Number: E84129
NELAP Accredited

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

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April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-24D 23444**
Matrix	**Groundwater**
SAL Sample Number	**1502209-12**
Date/Time Collected	**03/09/15 12:03**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/11/15 14:40**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Mercury	ug/L	0.10 U	EPA 7470	0.50	0.10	03/31/15 12:00	03/31/15 17:47	1
Nickel	ug/L	5.7	EPA 6020	5.0	0.46	03/13/15 09:39	03/16/15 13:13	1
Selenium	ug/L	1.8 I	EPA 6020	5.0	0.93	03/18/15 09:35	03/18/15 11:16	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	03/13/15 10:55	03/13/15 18:36	1
Sodium	mg/L	26	EPA 6010	0.50	0.13	03/13/15 10:55	03/13/15 18:36	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	03/13/15 09:39	03/16/15 13:13	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	03/13/15 10:55	03/13/15 18:36	1
Zinc	ug/L	1.2 I	EPA 6020	5.0	0.88	03/13/15 09:39	03/17/15 14:07	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 23446

Sampling Date/Time: 03/09/2015 @ 13:10

Well Name: 2MW-25D

Report Period: 2015 Quarter I

Classification of Groundwater: G-II

Well Purged: YES

Groundwater Elevation (NGVD): 30.82

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			mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/09/15 13:10	7.38	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/09/15 13:10	25.10	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/09/15 13:10	593	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/09/15 13:10	1.11	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/09/15 13:10	10.3	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	03/12/15 10:00	88.0	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	03/13/15 11:30	430	mg/L	0.10	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	03/20/15 12:00	0.03 U	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	03/17/15 8:00	0.81	mg/L	0.04	mg/L
072020	Water Level (MSL)	"	No		03/09/15 13:10	30.82	Feet NGVD		Feet NGVD

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Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-25D 23446**
Matrix	**Groundwater**
SAL Sample Number	**1502209-13**
Date/Time Collected	**03/09/15 13:10**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/11/15 14:40**

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		03/11/15 21:13	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:13	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:13	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:13	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:13	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:13	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/11/15 21:13	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 21:13	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 21:13	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:13	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:13	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/11/15 21:13	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		03/11/15 21:13	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		03/11/15 21:13	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/11/15 21:13	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		03/11/15 21:13	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 21:13	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 21:13	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:13	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:13	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/11/15 21:13	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:13	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:13	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 21:13	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/11/15 21:13	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:13	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/11/15 21:13	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/11/15 21:13	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:13	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 21:13	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:13	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		03/11/15 21:13	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:13	1

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April 7, 2015
Work Order: 1502209
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Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-25D 23446**
Matrix	**Groundwater**
SAL Sample Number	**1502209-13**
Date/Time Collected	**03/09/15 13:10**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/11/15 14:40**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:13	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		03/11/15 21:13	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 21:13	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/11/15 21:13	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:13	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 21:13	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		03/11/15 21:13	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:13	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:13	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		03/11/15 21:13	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		03/11/15 21:13	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		03/11/15 21:13	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:13	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 21:13	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*95 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*101 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*		*99 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*		*101 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	03/17/15 12:50	03/18/15 02:33	1
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	03/17/15 12:50	03/18/15 02:33	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*101 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	03/18/15 09:35	03/18/15 11:23	1
Arsenic	ug/L	2.7 I	EPA 6020	5.0	0.93	03/13/15 09:39	03/16/15 13:18	1
Barium	ug/L	25	EPA 6020	0.50	0.18	03/13/15 09:39	03/16/15 13:18	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	03/13/15 10:55	03/13/15 18:39	1
Cadmium	ug/L	0.30 I	EPA 6020	0.50	0.27	03/13/15 09:39	03/16/15 13:18	1
Chromium	ug/L	1.3 I	EPA 6020	5.0	0.35	03/13/15 09:39	03/16/15 13:18	1
Cobalt	ug/L	10 U	EPA 6010	100	10	03/13/15 10:55	03/13/15 18:39	1
Copper	ug/L	1.7	EPA 6020	0.50	0.13	03/13/15 09:39	03/16/15 13:18	1
Iron	ug/L	420	EPA 6010	100	20	03/13/15 10:55	03/13/15 18:39	1
Lead	ug/L	0.28 I	EPA 6020	0.50	0.25	03/13/15 09:39	03/16/15 13:18	1

Florida Certification Number: E84129
NELAP Accredited

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Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-25D 23446**
Matrix	**Groundwater**
SAL Sample Number	**1502209-13**
Date/Time Collected	**03/09/15 13:10**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/11/15 14:40**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Mercury	ug/L	0.10 U	EPA 7470	0.50	0.10	04/01/15 08:54	04/03/15 16:52	1
Nickel	ug/L	9.5	EPA 6020	5.0	0.46	03/13/15 09:39	03/16/15 13:18	1
Selenium	ug/L	1.6 I	EPA 6020	5.0	0.93	03/18/15 09:35	03/18/15 11:23	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	03/13/15 10:55	03/13/15 18:39	1
Sodium	mg/L	38	EPA 6010	0.50	0.13	03/13/15 10:55	03/13/15 18:39	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	03/13/15 09:39	03/16/15 13:18	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	03/13/15 10:55	03/13/15 18:39	1
Zinc	ug/L	3.3 I	EPA 6020	5.0	0.88	03/13/15 09:39	03/17/15 14:22	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 23445

Sampling Date/Time: 03/09/2015 @ 12:30

Well Name: 2MW-25S

Report Period: 2015 Quarter I

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	0.19	mg/L
001045	Iron	"	No	EPA 200.7		"	ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B		"	ug/L	0.03	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	0.10	mg/L
000610	Ammonia	"	No	SM 4500NH_3H		"	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F		"	mg/L	0.04	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: 03/09/2015 @ 15:08

Well Name: 2MW-26D

Report Period: 2015 Quarter I

Classification of Groundwater: G-II

Well Purged: YES

Groundwater Elevation (NGVD): 31.25

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			mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/09/15 15:08	7.67	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/09/15 15:08	25.14	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/09/15 15:08	479	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/09/15 15:08	0.95	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/09/15 15:08	4.5	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	03/12/15 10:00	55.1	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	03/13/15 11:30	356	mg/L	0.10	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	03/20/15 12:00	0.03 U	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	03/17/15 8:00	0.4	mg/L	0.04	mg/L
072020	Water Level (MSL)	"	No		03/09/15 15:08	31.25	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

April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-26D 23448**
Matrix	**Groundwater**
SAL Sample Number	**1502209-14**
Date/Time Collected	**03/09/15 15:08**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/11/15 14:40**

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		03/11/15 21:44	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:44	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:44	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:44	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:44	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:44	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/11/15 21:44	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 21:44	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 21:44	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:44	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:44	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/11/15 21:44	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		03/11/15 21:44	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		03/11/15 21:44	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/11/15 21:44	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		03/11/15 21:44	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 21:44	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 21:44	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:44	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:44	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/11/15 21:44	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:44	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:44	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 21:44	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/11/15 21:44	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:44	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/11/15 21:44	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/11/15 21:44	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:44	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 21:44	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:44	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		03/11/15 21:44	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:44	1

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April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-26D 23448**
Matrix	**Groundwater**
SAL Sample Number	**1502209-14**
Date/Time Collected	**03/09/15 15:08**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/11/15 14:40**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:44	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		03/11/15 21:44	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 21:44	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/11/15 21:44	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:44	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 21:44	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		03/11/15 21:44	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:44	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:44	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		03/11/15 21:44	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		03/11/15 21:44	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		03/11/15 21:44	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		03/11/15 21:44	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		03/11/15 21:44	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*96 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*100 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*		*100 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*		*99 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0055 U	EPA 8011	0.022	0.0055	03/17/15 12:50	03/18/15 02:55	1
1,2-Dibromoethane	ug/L	0.0055 U	EPA 8011	0.022	0.0055	03/17/15 12:50	03/18/15 02:55	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*99 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	03/18/15 09:35	03/18/15 11:26	1
Arsenic	ug/L	1.2 I	EPA 6020	5.0	0.93	03/13/15 09:39	03/16/15 13:22	1
Barium	ug/L	18	EPA 6020	0.50	0.18	03/13/15 09:39	03/16/15 13:22	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	03/13/15 10:55	03/13/15 18:42	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	03/13/15 09:39	03/16/15 13:22	1
Chromium	ug/L	0.50 I	EPA 6020	5.0	0.35	03/13/15 09:39	03/16/15 13:22	1
Cobalt	ug/L	10 U	EPA 6010	100	10	03/13/15 10:55	03/13/15 18:42	1
Copper	ug/L	0.60	EPA 6020	0.50	0.13	03/13/15 09:39	03/16/15 13:22	1
Iron	ug/L	78 I	EPA 6010	100	20	03/13/15 10:55	03/13/15 18:42	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	03/13/15 09:39	03/16/15 13:22	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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ACCREDITED IN ACCORDANCE WITH nelac

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

April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-26D 23448**
Matrix	**Groundwater**
SAL Sample Number	**1502209-14**
Date/Time Collected	**03/09/15 15:08**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/11/15 14:40**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Mercury	ug/L	0.10 U	EPA 7470	0.50	0.10	04/01/15 08:54	04/03/15 16:53	1
Nickel	ug/L	5.3	EPA 6020	5.0	0.46	03/13/15 09:39	03/16/15 13:22	1
Selenium	ug/L	1.7 I	EPA 6020	5.0	0.93	03/18/15 09:35	03/18/15 11:26	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	03/13/15 10:55	03/13/15 18:42	1
Sodium	mg/L	28	EPA 6010	0.50	0.13	03/13/15 10:55	03/13/15 18:42	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	03/13/15 09:39	03/16/15 13:22	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	03/13/15 10:55	03/13/15 18:42	1
Zinc	ug/L	1.2 I	EPA 6020	5.0	0.88	03/13/15 09:39	03/17/15 14:26	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 23447

Sampling Date/Time: 03/09/2015 @ 13:35

Well Name: 2MW-26S

Report Period: 2015 Quarter I

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	0.19	mg/L
001045	Iron	"	No	EPA 200.7		"	ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B		"	ug/L	0.03	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	0.10	mg/L
000610	Ammonia	"	No	SM 4500NH_3H		"	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F		"	mg/L	0.04	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: 03/11/2015 @ 14:54

Well Name: 2MW-27D

Report Period: 2015 Quarter I

Classification of Groundwater:

Well Purged: YES

Groundwater Elevation (NGVD): 32.41

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			mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/11/15 14:54	7.74	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/11/15 14:54	25.71	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/11/15 14:54	430	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/11/15 14:54	1.16	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/11/15 14:54	18.1	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	03/12/15 10:00	124	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	03/13/15 11:30	544 XC	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	03/20/15 12:00	0.03 U	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	03/17/15 10:30	1.33	mg/L	0.04	mg/L
072020	Water Level (MSL)	"	No		03/11/15 14:54	32.41	Feet NGVD		Feet NGVD

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April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-27D 23450**
Matrix	**Groundwater**
SAL Sample Number	**1502209-24**
Date/Time Collected	**03/11/15 14:54**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/13/15 09:20**

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		03/20/15 19:57	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:57	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:57	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:57	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:57	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:57	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/20/15 19:57	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 19:57	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 19:57	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:57	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:57	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/20/15 19:57	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		03/20/15 19:57	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		03/20/15 19:57	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/20/15 19:57	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		03/20/15 19:57	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 19:57	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 19:57	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:57	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:57	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/20/15 19:57	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:57	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:57	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 19:57	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/20/15 19:57	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:57	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/20/15 19:57	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/20/15 19:57	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:57	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 19:57	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:57	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		03/20/15 19:57	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:57	1

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Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-27D 23450**
Matrix	**Groundwater**
SAL Sample Number	**1502209-24**
Date/Time Collected	**03/11/15 14:54**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/13/15 09:20**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:57	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		03/20/15 19:57	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 19:57	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/20/15 19:57	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:57	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 19:57	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		03/20/15 19:57	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:57	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:57	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		03/20/15 19:57	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		03/20/15 19:57	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		03/20/15 19:57	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:57	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 19:57	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*100 %*	*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*		*97 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0055 U	EPA 8011	0.022	0.0055	03/18/15 15:03	03/19/15 01:39	1
1,2-Dibromoethane	ug/L	0.0055 U	EPA 8011	0.022	0.0055	03/18/15 15:03	03/19/15 01:39	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*100 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	03/18/15 09:46	03/18/15 12:15	1
Arsenic	ug/L	1.2 I	EPA 6020	5.0	0.93	03/13/15 09:42	03/17/15 11:55	1
Barium	ug/L	42	EPA 6020	0.50	0.18	03/13/15 09:42	03/17/15 11:55	1
Beryllium	ug/L	0.21 I	EPA 6010	1.0	0.096	03/13/15 10:50	03/16/15 12:15	1
Cadmium	ug/L	0.59	EPA 6020	0.50	0.27	03/13/15 09:42	03/17/15 11:55	1
Chromium	ug/L	1.3 I	EPA 6020	5.0	0.35	03/13/15 09:42	03/17/15 11:55	1
Cobalt	ug/L	10 U	EPA 6010	100	10	03/13/15 10:50	03/16/15 12:15	1
Copper	ug/L	1.6	EPA 6020	0.50	0.13	03/13/15 09:42	03/17/15 11:55	1
Iron	ug/L	2,900	EPA 6010	100	20	03/13/15 10:50	03/16/15 12:15	1
Lead	ug/L	0.69	EPA 6020	0.50	0.25	03/13/15 09:42	03/17/15 11:55	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

April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-27D 23450**
Matrix	**Groundwater**
SAL Sample Number	**1502209-24**
Date/Time Collected	**03/11/15 14:54**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/13/15 09:20**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Mercury	ug/L	0.10 U	EPA 7470	0.50	0.10	04/01/15 08:54	04/03/15 17:19	1
Nickel	ug/L	13	EPA 6020	5.0	0.46	03/13/15 09:42	03/17/15 11:55	1
Selenium	ug/L	3.6 I	EPA 6020	5.0	0.93	03/18/15 09:46	03/18/15 12:15	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	03/13/15 10:50	03/16/15 12:15	1
Sodium	mg/L	60	EPA 6010	0.50	0.13	03/13/15 10:50	03/16/15 12:15	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	03/13/15 09:42	03/17/15 11:55	1
Vanadium	ug/L	12	EPA 6010	10	7.8	03/13/15 10:50	03/16/15 12:15	1
Zinc	ug/L	3.6 I	EPA 6020	5.0	0.88	03/13/15 09:42	03/18/15 17:28	1

PART III ANALYTICAL RESULTS

Facility ID#: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 23449

Sampling Date/Time: 03/03/2015 @ 15:00

Well Name: 2MW-27S

Report Period: 2015 Quarter I

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	0.19	mg/L
001045	Iron	"	No	EPA 200.7		"	ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B		"	ug/L	0.03	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	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F		"	mg/L	0.04	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: 03/11/2015 @ 13:19

Well Name: 4MW-27

Report Period: 2015 Quarter I

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 32.49

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			mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/11/15 13:19	7.67	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/11/15 13:19	25.74	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/11/15 13:19	622	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/11/15 13:19	1.08	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/11/15 13:19	1.1	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	03/12/15 10:00	120	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	03/13/15 11:30	474	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	03/20/15 12:00	0.03 U	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	03/17/15 10:30	0.85	mg/L	0.04	mg/L
072020	Water Level (MSL)	"	No		03/11/15 13:19	32.49	Feet NGVD		Feet NGVD

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

April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-27 23451**
Matrix	**Groundwater**
SAL Sample Number	**1502209-23**
Date/Time Collected	**03/11/15 13:19**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/13/15 09:20**

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		03/20/15 19:26	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:26	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:26	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:26	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:26	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:26	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/20/15 19:26	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 19:26	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 19:26	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:26	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:26	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/20/15 19:26	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		03/20/15 19:26	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		03/20/15 19:26	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/20/15 19:26	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		03/20/15 19:26	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 19:26	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 19:26	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:26	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:26	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/20/15 19:26	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:26	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:26	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 19:26	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/20/15 19:26	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:26	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/20/15 19:26	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/20/15 19:26	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:26	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 19:26	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:26	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		03/20/15 19:26	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:26	1

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Pasco County Environmental Laboratory
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New Port Richey, FL 34654

April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-27 23451**
Matrix	**Groundwater**
SAL Sample Number	**1502209-23**
Date/Time Collected	**03/11/15 13:19**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/13/15 09:20**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:26	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		03/20/15 19:26	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 19:26	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/20/15 19:26	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:26	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 19:26	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		03/20/15 19:26	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:26	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:26	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		03/20/15 19:26	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		03/20/15 19:26	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		03/20/15 19:26	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 19:26	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 19:26	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*97 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*99 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*		*103 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*		*100 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0054 U	EPA 8011	0.022	0.0054	03/18/15 15:03	03/19/15 01:17	1
1,2-Dibromoethane	ug/L	0.0054 U	EPA 8011	0.022	0.0054	03/18/15 15:03	03/19/15 01:17	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*95 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	03/18/15 09:46	03/18/15 12:12	1
Arsenic	ug/L	1.2 I	EPA 6020	5.0	0.93	03/13/15 09:42	03/17/15 11:50	1
Barium	ug/L	26	EPA 6020	0.50	0.18	03/13/15 09:42	03/17/15 11:50	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	03/13/15 10:50	03/16/15 12:11	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	03/13/15 09:42	03/17/15 11:50	1
Chromium	ug/L	0.35 U	EPA 6020	5.0	0.35	03/13/15 09:42	03/17/15 11:50	1
Cobalt	ug/L	10 U	EPA 6010	100	10	03/13/15 10:50	03/16/15 12:11	1
Copper	ug/L	0.58	EPA 6020	0.50	0.13	03/13/15 09:42	03/17/15 11:50	1
Iron	ug/L	20 U	EPA 6010	100	20	03/13/15 10:50	03/16/15 12:11	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	03/13/15 09:42	03/17/15 11:50	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
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New Port Richey, FL 34654

April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-27 23451**
Matrix	**Groundwater**
SAL Sample Number	**1502209-23**
Date/Time Collected	**03/11/15 13:19**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/13/15 09:20**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Mercury	ug/L	0.10 U	EPA 7470	0.50	0.10	04/01/15 08:54	04/03/15 17:18	1
Nickel	ug/L	7.2	EPA 6020	5.0	0.46	03/13/15 09:42	03/17/15 11:50	1
Selenium	ug/L	4.1 I	EPA 6020	5.0	0.93	03/18/15 09:46	03/18/15 12:12	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	03/13/15 10:50	03/16/15 12:11	1
Sodium	mg/L	53	EPA 6010	0.50	0.13	03/13/15 10:50	03/16/15 12:11	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	03/13/15 09:42	03/17/15 11:50	1
Vanadium	ug/L	27	EPA 6010	10	7.8	03/13/15 10:50	03/16/15 12:11	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	03/13/15 09:42	03/18/15 17:23	1

PART III ANALYTICAL RESULTS

Facility ID#: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 23452

Sampling Date/Time: 03/11/2015 @ 10:24

Well Name: 4MW-27D

Report Period: 2015 Quarter I

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 32.48

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			mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/11/15 10:24	7.73	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/11/15 10:24	25.58	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/11/15 10:24	224	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/11/15 10:24	1.07	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/11/15 10:24	0.0	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	03/12/15 10:00	34.4	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	03/13/15 11:30	214	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	03/20/15 12:00	0.16	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	03/17/15 10:30	0.04 U	mg/L	0.04	mg/L
072020	Water Level (MSL)	"	No		03/11/15 10:24	32.48	Feet NGVD		Feet NGVD

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ACCREDITED IN ACCORDANCE WITH nelac

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

April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-27D 23452**
Matrix	**Groundwater**
SAL Sample Number	**1502209-22**
Date/Time Collected	**03/11/15 10:24**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/13/15 09:20**

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		03/20/15 18:54	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:54	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:54	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:54	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:54	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:54	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/20/15 18:54	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 18:54	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 18:54	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:54	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:54	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/20/15 18:54	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		03/20/15 18:54	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		03/20/15 18:54	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/20/15 18:54	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		03/20/15 18:54	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 18:54	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 18:54	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:54	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:54	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/20/15 18:54	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:54	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:54	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 18:54	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/20/15 18:54	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:54	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/20/15 18:54	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/20/15 18:54	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:54	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 18:54	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:54	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		03/20/15 18:54	1
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:54	1

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

April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-27D 23452**
Matrix	**Groundwater**
SAL Sample Number	**1502209-22**
Date/Time Collected	**03/11/15 10:24**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/13/15 09:20**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:54	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		03/20/15 18:54	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 18:54	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/20/15 18:54	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:54	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 18:54	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		03/20/15 18:54	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:54	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:54	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		03/20/15 18:54	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		03/20/15 18:54	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		03/20/15 18:54	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		03/20/15 18:54	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		03/20/15 18:54	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*103 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*100 %*	*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	0.0054 U	EPA 8011	0.022	0.0054	03/18/15 15:03	03/19/15 00:55	1
1,2-Dibromoethane	ug/L	0.0054 U	EPA 8011	0.022	0.0054	03/18/15 15:03	03/19/15 00:55	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*105 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	03/18/15 09:46	03/18/15 12:09	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	03/13/15 09:42	03/17/15 11:36	1
Barium	ug/L	9.8	EPA 6020	0.50	0.18	03/13/15 09:42	03/17/15 11:36	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	03/13/15 10:50	03/16/15 11:58	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	03/13/15 09:42	03/17/15 11:36	1
Chromium	ug/L	0.35 U	EPA 6020	5.0	0.35	03/13/15 09:42	03/17/15 11:36	1
Cobalt	ug/L	10 U	EPA 6010	100	10	03/13/15 10:50	03/16/15 11:58	1
Copper	ug/L	0.40 I	EPA 6020	0.50	0.13	03/13/15 09:42	03/17/15 11:36	1
Iron	ug/L	73 I	EPA 6010	100	20	03/13/15 10:50	03/16/15 11:58	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	03/13/15 09:42	03/17/15 11:36	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

April 7, 2015
Work Order: 1502209
Revised Report

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-27D 23452**
Matrix	**Groundwater**
SAL Sample Number	**1502209-22**
Date/Time Collected	**03/11/15 10:24**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/13/15 09:20**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Mercury	ug/L	0.10 U	EPA 7470	0.50	0.10	04/01/15 08:54	04/03/15 17:13	1
Nickel	ug/L	2.0 I	EPA 6020	5.0	0.46	03/13/15 09:42	03/17/15 11:36	1
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	03/18/15 09:46	03/18/15 12:09	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	03/13/15 10:50	03/16/15 11:58	1
Sodium	mg/L	5.0	EPA 6010	0.50	0.13	03/13/15 10:50	03/16/15 11:58	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	03/13/15 09:42	03/17/15 11:36	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	03/13/15 10:50	03/16/15 11:58	1
Zinc	ug/L	1.1 I	EPA 6020	5.0	0.88	03/13/15 09:42	03/18/15 17:19	1

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Contacts: Gloria Krueger, Senior Secretary
Chris Childress, QA/QC Officer
Hours: Mon-Fri 8am-5pm

Report Date: 4/13/2015

CLIENT/SAMPLE INFORMATION

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

Sample Number:	**AC23087**	Sample ID:	2MW17S @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/7/2015	Date Received:	4/7/2015
Time Sampled:	13:16	Time Received:	14:00
Sampled By:	WMM	Received By:	KS
		Delivered By:	WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/7/2015	13:16	WMM	330	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	4/7/2015	13:16	WMM	3.21	D	mg/L	0.1
pH Field	FDEP FT 1100	4/7/2015	13:16	WMM	6.39	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/7/2015	13:16	WMM	29.40	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/7/2015	13:16	WMM	15.2	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/7/2015	13:16	WMM	27.58	D	Ft.	0
Nitrate (N)	SM 4500-NO3 F	4/9/2015	13:30	KS	22.07		mg/L	0.04
Color by Observation	Observation	4/7/2015	13:16	WMM	CLOUDY	D	ObsColor	0

Analysis Comments:

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Candia E. Mulhern, Laboratory Director

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CLIENT/SAMPLE INFORMATION

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

Report Date: 4/30/2015

Sample Number:	**AC23922**	Sample ID:	4MW3A @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	3/3/2015	Date Received:	3/3/2015
Time Sampled:	12:35	Time Received:	16:00
Sampled By:	WMM	Received By:	KS
		Delivered By:	WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Water Level (NGVD)	DEP-SOP	3/3/2015	12:35	WMM	26.19	D	Ft.	0

Analysis Comments:

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Report Date: 4/6/2015

CLIENT/SAMPLE INFORMATION

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

Sample Number:	**AC21780**	Sample ID:	4MW2 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	3/3/2015	Date Received:	3/3/2015
Time Sampled:	10:19	Time Received:	16:00
Sampled By:	WMM	Received By:	DAS
		Delivered By:	WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/3/2015	10:19	WMM	191	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/3/2015	10:19	WMM	1.28	D	mg/L	0.1
pH Field	FDEP FT 1100	3/3/2015	10:19	WMM	6.34	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/3/2015	10:19	WMM	24.89	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/3/2015	10:19	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/3/2015	10:19	WMM	34.21	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	3/11/2015	12:00	KS	0.05	I	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	3/17/2015	8:00	KS	1.05		mg/L	0.04
Color by Observation	Observation	3/3/2015	10:19	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	3/4/2015	15:00	AMC	118		mg/L	0.1
Chloride	EPA 300.0	3/4/2015	10:00	AS	5.90		mg/L	0.10

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Report Date: 4/6/2015

CLIENT/SAMPLE INFORMATION

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

Sample Number:	**AC21781**	Sample ID:	2MW2 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	3/3/2015	Date Received:	3/3/2015
Time Sampled:	11:11	Time Received:	16:00
Sampled By:	WMM	Received By:	DAS
		Delivered By:	WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/3/2015	11:11	WMM	108	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/3/2015	11:11	WMM	2.11	D	mg/L	0.1
pH Field	FDEP FT 1100	3/3/2015	11:11	WMM	6.08	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/3/2015	11:11	WMM	24.84	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/3/2015	11:11	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/3/2015	11:11	WMM	34.66	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	3/11/2015	12:00	KS	0.07	I	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	3/17/2015	8:00	KS	4.76		mg/L	0.04
Color by Observation	Observation	3/3/2015	11:11	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	3/4/2015	15:00	AMC	72		mg/L	0.1
Chloride	EPA 300.0	3/4/2015	10:00	AS	6.31		mg/L	0.10

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Report Date: 4/6/2015

CLIENT/SAMPLE INFORMATION

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

Sample Number:	**AC21782**	Sample ID:	4MW6 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	3/3/2015	Date Received:	3/3/2015
Time Sampled:	14:32	Time Received:	16:00
Sampled By:	WMM	Received By:	DAS
		Delivered By:	WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/3/2015	14:32	WMM	120	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/3/2015	14:32	WMM	1.44	D	mg/L	0.1
pH Field	FDEP FT 1100	3/3/2015	14:32	WMM	7.01	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/3/2015	14:32	WMM	25.23	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/3/2015	14:32	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/3/2015	14:32	WMM	31.77	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	3/11/2015	12:00	KS	0.03	I	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	3/17/2015	8:00	KS	0.81		mg/L	0.04
Color by Observation	Observation	3/3/2015	14:32	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	3/4/2015	15:00	AMC	84		mg/L	0.1
Chloride	EPA 300.0	3/4/2015	10:00	AS	5.06		mg/L	0.10

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Candia E. Mulhern, Laboratory Director

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Report Date: 4/6/2015

CLIENT/SAMPLE INFORMATION

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

Sample Number:	**AC21846**	Sample ID:	4MW5 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	3/4/2015	Date Received:	3/4/2015
Time Sampled:	11:12	Time Received:	16:00
Sampled By:	WMM	Received By:	DAS
		Delivered By:	WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/4/2015	11:12	WMM	480	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/4/2015	11:12	WMM	1.24	D	mg/L	0.1
pH Field	FDEP FT 1100	3/4/2015	11:12	WMM	7.54	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/4/2015	11:12	WMM	23.61	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/4/2015	11:12	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/4/2015	11:12	WMM	28.79	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	3/11/2015	12:00	KS	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	3/17/2015	8:00	KS	0.34		mg/L	0.04
Color by Observation	Observation	3/4/2015	11:12	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	3/6/2015	12:45	AMC	386		mg/L	0.1
Chloride	EPA 300.0	3/10/2015	10:00	AS	67.3		mg/L	0.10

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Report Date: 4/6/2015

CLIENT/SAMPLE INFORMATION

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

Sample Number:	**AC21847**	Sample ID:	4MW4 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	3/4/2015	Date Received:	3/4/2015
Time Sampled:	12:43	Time Received:	16:00
Sampled By:	WMM	Received By:	DAS
		Delivered By:	WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/4/2015	12:43	WMM	352	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/4/2015	12:43	WMM	1.04	D	mg/L	0.1
pH Field	FDEP FT 1100	3/4/2015	12:43	WMM	6.91	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/4/2015	12:43	WMM	24.88	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/4/2015	12:43	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/4/2015	12:43	WMM	27.86	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	3/11/2015	12:00	KS	0.04	I	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	3/17/2015	8:00	KS	0.64		mg/L	0.04
Color by Observation	Observation	3/4/2015	12:43	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	3/6/2015	12:45	AMC	264		mg/L	0.1
Chloride	EPA 300.0	3/10/2015	10:00	AS	17.6		mg/L	0.10

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Candia E. Mulhern, Laboratory Director

PASCO COUNTY, FLORIDA

"Bringing Opportunities Home"

Pasco County Utilities Environmental Laboratory
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

Report Date: 4/6/2015

CLIENT/SAMPLE INFORMATION

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

Sample Number:	**AC21848**	Sample ID:	4MW11D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	3/4/2015	Date Received:	3/4/2015
Time Sampled:	13:56	Time Received:	16:00
Sampled By:	WMM	Received By:	DAS
		Delivered By:	WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/4/2015	13:56	WMM	311	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/4/2015	13:56	WMM	1.21	D	mg/L	0.1
pH Field	FDEP FT 1100	3/4/2015	13:56	WMM	6.92	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/4/2015	13:56	WMM	24.56	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/4/2015	13:56	WMM	14.2	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/4/2015	13:56	WMM	31.26	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	3/11/2015	12:00	KS	0.04	I	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	3/17/2015	8:00	KS	0.67		mg/L	0.04
Color by Observation	Observation	3/4/2015	13:56	WMM	CLOUDY		ObsColor	0
Total Dissolved Solids	SM 2540 C	3/6/2015	12:45	AMC	234		mg/L	0.1
Chloride	EPA 300.0	3/10/2015	10:00	AS	29.8		mg/L	0.10

Analysis Comments:

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Candia E. Mulhern, Laboratory Director

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CLIENT/SAMPLE INFORMATION

Report Date: 4/6/2015

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

Sample Number:	**AC21849**	Sample ID:	4MW12D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	3/4/2015	Date Received:	3/4/2015
Time Sampled:	15:11	Time Received:	16:00
Sampled By:	WMM	Received By:	DAS
		Delivered By:	WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/4/2015	15:11	WMM	376	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/4/2015	15:11	WMM	1.0	D	mg/L	0.1
pH Field	FDEP FT 1100	3/4/2015	15:11	WMM	7.81	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/4/2015	15:11	WMM	24.43	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/4/2015	15:11	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/4/2015	15:11	WMM	30.51	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	3/11/2015	12:00	KS	0.05	I	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	3/17/2015	8:00	KS	0.51		mg/L	0.04
Color by Observation	Observation	3/4/2015	15:11	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	3/6/2015	12:45	AMC	292		mg/L	0.1
Chloride	EPA 300.0	3/10/2015	10:00	AS	26.8		mg/L	0.10

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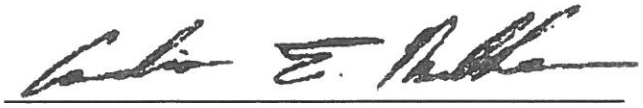

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CLIENT/SAMPLE INFORMATION

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

Sample Number:	**AC21906**	Sample ID:	2MW19D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	3/5/2015	Date Received:	3/5/2015
Time Sampled:	11:04	Time Received:	16:00
Sampled By:	WMM	Received By:	DAS
		Delivered By:	WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/5/2015	11:04	WMM	403	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/5/2015	11:04	WMM	0.69	D	mg/L	0.1
pH Field	FDEP FT 1100	3/5/2015	11:04	WMM	6.80	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/5/2015	11:04	WMM	24.43	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/5/2015	11:04	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/5/2015	11:04	WMM	28.52	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	3/11/2015	12:00	KS	0.05	I	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	3/17/2015	8:00	KS	0.16		mg/L	0.04
Color by Observation	Observation	3/5/2015	11:04	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	3/6/2015	12:45	AMC	298		mg/L	0.1
Chloride	EPA 300.0	3/10/2015	10:00	AS	24.7		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: 4/6/2015

Sample Number:	**AC21907**	Sample ID:	2MW18D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	3/5/2015	Date Received:	3/5/2015
Time Sampled:	11:54	Time Received:	16:00
Sampled By:	WMM	Received By:	DAS
		Delivered By:	WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/5/2015	11:54	WMM	403	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/5/2015	11:54	WMM	1.10	D	mg/L	0.1
pH Field	FDEP FT 1100	3/5/2015	11:54	WMM	6.76	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/5/2015	11:54	WMM	24.48	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/5/2015	11:54	WMM	13.4	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/5/2015	11:54	WMM	27.81	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	3/11/2015	12:00	KS	0.04	I	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	3/17/2015	8:00	KS	0.49		mg/L	0.04
Color by Observation	Observation	3/5/2015	11:54	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	3/6/2015	12:45	AMC	316		mg/L	0.1
Chloride	EPA 300.0	3/10/2015	10:00	AS	37.8		mg/L	0.10

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Resource Recovery
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Havs Road
Shady Hills, Fl
John Power

Report Date: 4/6/2015

Sample Number:	**AC21908**	Sample ID:	4MW14D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	3/5/2015	Date Received:	3/5/2015
Time Sampled:	13:56	Time Received:	16:00
Sampled By:	WMM	Received By:	DAS
		Delivered By:	WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/5/2015	13:56	WMM	347	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/5/2015	13:56	WMM	0.93	D	mg/L	0.1
pH Field	FDEP FT 1100	3/5/2015	13:56	WMM	7.34	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/5/2015	13:56	WMM	26.29	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/5/2015	13:56	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/5/2015	13:56	WMM	30.87	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	3/11/2015	12:00	KS	0.08	I	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	3/17/2015	8:00	KS	0.71		mg/L	0.04
Color by Observation	Observation	3/5/2015	13:56	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	3/6/2015	12:45	AMC	270		mg/L	0.1
Chloride	EPA 300.0	3/10/2015	10:00	AS	33.0		mg/L	0.10

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NELAC Certification # E44123

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CLIENT/SAMPLE INFORMATION

Report Date: 4/6/2015

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

Sample Number:	**AC21909**	Sample ID:	4MW1 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	3/5/2015	Date Received:	3/5/2015
Time Sampled:	15:15	Time Received:	16:00
Sampled By:	WMM	Received By:	DAS
		Delivered By:	WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/5/2015	15:15	WMM	659	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/5/2015	15:15	WMM	0.65	D	mg/L	0.1
pH Field	FDEP FT 1100	3/5/2015	15:15	WMM	6.94	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/5/2015	15:15	WMM	25.22	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/5/2015	15:15	WMM	0.8	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/5/2015	15:15	WMM	34.43	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	3/11/2015	12:00	KS	0.08	I	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	3/17/2015	8:00	KS	1.38		mg/L	0.04
Color by Observation	Observation	3/5/2015	15:15	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	3/6/2015	12:45	AMC	498		mg/L	0.1
Chloride	EPA 300.0	3/10/2015	10:00	AS	109		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: 4/6/2015

Sample Number:	**AC21988**	Sample ID:	2MW-24D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	3/9/2015	Date Received:	3/9/2015
Time Sampled:	12:03	Time Received:	16:00
Sampled By:	WMM	Received By:	DAS
		Delivered By:	WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/9/2015	12:03	WMM	478	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/9/2015	12:03	WMM	1.04	D	mg/L	0.1
pH Field	FDEP FT 1100	3/9/2015	12:03	WMM	7.54	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/9/2015	12:03	WMM	24.47	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/9/2015	12:03	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/9/2015	12:03	WMM	30.55	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	3/20/2015	12:00	KS	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	3/17/2015	8:00	KS	1.76		mg/L	0.04
Color by Observation	Observation	3/9/2015	12:03	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	3/13/2015	11:30	AMC	356		mg/L	0.1
Chloride	EPA 300.0	3/12/2015	10:00	AS	59.3		mg/L	0.10

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CLIENT/SAMPLE INFORMATION

Report Date: 4/6/2015

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

Sample Number:	**AC21989**	Sample ID:	2MW-25D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	3/9/2015	Date Received:	3/9/2015
Time Sampled:	13:10	Time Received:	16:00
Sampled By:	WMM	Received By:	DAS
		Delivered By:	WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/9/2015	13:10	WMM	593	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/9/2015	13:10	WMM	1.11	D	mg/L	0.1
pH Field	FDEP FT 1100	3/9/2015	13:10	WMM	7.38	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/9/2015	13:10	WMM	25.10	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/9/2015	13:10	WMM	10.3	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/9/2015	13:10	WMM	30.82	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	3/20/2015	12:00	KS	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	3/17/2015	8:00	KS	0.81		mg/L	0.04
Color by Observation	Observation	3/9/2015	13:10	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	3/13/2015	11:30	AMC	430		mg/L	0.1
Chloride	EPA 300.0	3/12/2015	10:00	AS	88.0		mg/L	0.10

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CLIENT/SAMPLE INFORMATION

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

Sample Number:	**AC21990**	Sample ID:	2MW-26D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	3/9/2015	Date Received:	3/9/2015
Time Sampled:	15:08	Time Received:	16:00
Sampled By:	WMM	Received By:	DAS
		Delivered By:	WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/9/2015	15:08	WMM	479	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/9/2015	15:08	WMM	0.95	D	mg/L	0.1
pH Field	FDEP FT 1100	3/9/2015	15:08	WMM	7.67	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/9/2015	15:08	WMM	25.14	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/9/2015	15:08	WMM	4.5	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/9/2015	15:08	WMM	31.25	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	3/20/2015	12:00	KS	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	3/17/2015	8:00	KS	0.40		mg/L	0.04
Color by Observation	Observation	3/9/2015	15:08	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	3/13/2015	11:30	AMC	356		mg/L	0.1
Chloride	EPA 300.0	3/12/2015	10:00	AS	55.1		mg/L	0.10

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CLIENT/SAMPLE INFORMATION

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

Report Date: 4/6/2015

Sample Number:	**AC22034**	Sample ID:	4MW7 @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	3/10/2015	Date Received:	3/10/2015
Time Sampled:	10:35	Time Received:	16:00
Sampled By:	WMM	Received By:	DAS
		Delivered By:	WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/10/2015	10:35	WMM	300	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/10/2015	10:35	WMM	0.95	D	mg/L	0.1
pH Field	FDEP FT 1100	3/10/2015	10:35	WMM	7.69	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/10/2015	10:35	WMM	23.95	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/10/2015	10:35	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/10/2015	10:35	WMM	30.16	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	3/20/2015	12:00	KS	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	3/17/2015	8:00	KS	0.17		mg/L	0.04
Color by Observation	Observation	3/10/2015	10:35	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	3/13/2015	11:30	AMC	224		mg/L	0.1
Chloride	EPA 300.0	3/10/2015	16:30	AS	13.7		mg/L	0.10

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CLIENT/SAMPLE INFORMATION

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Shady Hills, Fl
John Power

Report Date: 4/6/2015

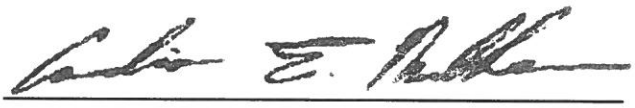
Sample Number:	**AC22036**	Sample ID:	4MW8 @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	3/10/2015	Date Received:	3/10/2015
Time Sampled:	13:17	Time Received:	16:00
Sampled By:	WMM	Received By:	DAS
		Delivered By:	WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/10/2015	13:17	WMM	315	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/10/2015	13:17	WMM	0.73	D	mg/L	0.1
pH Field	FDEP FT 1100	3/10/2015	13:17	WMM	7.79	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/10/2015	13:17	WMM	23.60	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/10/2015	13:17	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/10/2015	13:17	WMM	31.03	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	3/20/2015	12:00	KS	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	3/17/2015	8:00	KS	0.04	U	mg/L	0.04
Color by Observation	Observation	3/10/2015	13:17	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	3/13/2015	11:30	AMC	234		mg/L	0.1
Chloride	EPA 300.0	3/12/2015	10:00	AS	17.4		mg/L	0.10

Analysis Comments:

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



Candia E. Mulhern, Laboratory Director

This Document Meets NELAC Standards

NELAC Certification # E44123

PASCO COUNTY, FLORIDA

"Bringing Opportunities Home"

Pasco County Utilities Environmental Laboratory
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Contacts: Gloria Krueger, Senior Secretary
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: 4/6/2015

Sample Number:	**AC22035**	Sample ID:	4MW9 @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	3/10/2015	Date Received:	3/10/2015
Time Sampled:	12:05	Time Received:	16:00
Sampled By:	WMM	Received By:	DAS
		Delivered By:	WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/10/2015	12:05	WMM	344	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/10/2015	12:05	WMM	0.63	D	mg/L	0.1
pH Field	FDEP FT 1100	3/10/2015	12:05	WMM	7.78	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/10/2015	12:05	WMM	24.26	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/10/2015	12:05	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/10/2015	12:05	WMM	29.68	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	3/20/2015	12:00	KS	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	3/17/2015	8:00	KS	0.28		mg/L	0.04
Color by Observation	Observation	3/10/2015	12:05	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	3/13/2015	11:30	AMC	272		mg/L	0.1
Chloride	EPA 300.0	3/10/2015	16:30	AS	10.2		mg/L	0.10

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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

Report Date: 4/6/2015

Sample Number:	**AC22037**	Sample ID:	4MW21 @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	3/10/2015	Date Received:	3/10/2015
Time Sampled:	14:00	Time Received:	16:00
Sampled By:	WMM	Received By:	DAS
		Delivered By:	WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/10/2015	14:00	WMM	129	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/10/2015	14:00	WMM	2.24	D	mg/L	0.1
pH Field	FDEP FT 1100	3/10/2015	14:00	WMM	7.17	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/10/2015	14:00	WMM	24.65	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/10/2015	14:00	WMM	14.8	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/10/2015	14:00	WMM	30.82	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	3/20/2015	12:00	KS	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	3/17/2015	8:00	KS	6.80		mg/L	0.04
Color by Observation	Observation	3/10/2015	14:00	WMM	CLOUDY	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	3/13/2015	11:30	AMC	156		mg/L	0.1
Chloride	EPA 300.0	3/10/2015	16:30	AS	11.6		mg/L	0.10

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CLIENT/SAMPLE INFORMATION

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

Report Date: 4/6/2015

Sample Number:	**AC22038**	Sample ID:	4MW22 @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	3/10/2015	Date Received:	3/10/2015
Time Sampled:	15:13	Time Received:	16:00
Sampled By:	WMM	Received By:	DAS
		Delivered By:	WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/10/2015	15:13	WMM	388	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/10/2015	15:13	WMM	1.11	D	mg/L	0.1
pH Field	FDEP FT 1100	3/10/2015	15:13	WMM	7.84	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/10/2015	15:13	WMM	24.05	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/10/2015	15:13	WMM	14.7	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/10/2015	15:13	WMM	29.64	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	3/20/2015	12:00	KS	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	3/17/2015	8:00	KS	0.09	I	mg/L	0.04
Color by Observation	Observation	3/10/2015	15:13	WMM	CLOUDY	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	3/13/2015	11:30	AMC	290		mg/L	0.1
Chloride	EPA 300.0	3/10/2015	16:30	AS	19.2		mg/L	0.10

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Report Date: 4/14/2015

CLIENT/SAMPLE INFORMATION

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

Sample Number:	**AC22151**	Sample ID:	4MW27D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	3/11/2015	Date Received:	3/11/2015
Time Sampled:	10:24	Time Received:	16:00
Sampled By:	WMM	Received By:	DAS
		Delivered By:	WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/11/2015	10:24	WMM	224	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/11/2015	10:24	WMM	1.07	D	mg/L	0.1
pH Field	FDEP FT 1100	3/11/2015	10:24	WMM	7.73	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/11/2015	10:24	WMM	25.58	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/11/2015	10:24	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/11/2015	10:24	WMM	32.48	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	3/20/2015	12:00	KS	0.16		mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	3/17/2015	10:30	KS	0.04	U	mg/L	0.04
Color by Observation	Observation	3/11/2015	10:24	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	3/13/2015	11:30	AMC	214		mg/L	0.1
Chloride	EPA 300.0	3/12/2015	10:00	AS	34.4		mg/L	0.10

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Hours: Mon-Fri 8am-5pm

Report Date: 4/8/2015

CLIENT/SAMPLE INFORMATION

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

Sample Number:	**AC22152**	Sample ID:	4MW27 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	3/11/2015	Date Received:	3/11/2015
Time Sampled:	13:19	Time Received:	16:00
Sampled By:	WMM	Received By:	DAS
		Delivered By:	WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/11/2015	13:19	WMM	622	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/11/2015	13:19	WMM	1.08	D	mg/L	0.1
pH Field	FDEP FT 1100	3/11/2015	13:19	WMM	7.67	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/11/2015	13:19	WMM	25.74	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/11/2015	13:19	WMM	1.1	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/11/2015	13:19	WMM	32.49	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	3/20/2015	12:00	KS	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	3/17/2015	10:30	KS	0.85		mg/L	0.04
Color by Observation	Observation	3/11/2015	13:19	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	3/13/2015	11:30	AMC	474		mg/L	0.1
Chloride	EPA 300.0	3/12/2015	10:00	AS	120		mg/L	0.10

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Report Date: 4/8/2015

CLIENT/SAMPLE INFORMATION

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

Sample Number:	**AC22153**	Sample ID:	2MW27D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	3/11/2015	Date Received:	3/11/2015
Time Sampled:	14:54	Time Received:	16:00
Sampled By:	WMM	Received By:	DAS
		Delivered By:	WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/11/2015	14:54	WMM	430	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/11/2015	14:54	WMM	1.16	D	mg/L	0.1
pH Field	FDEP FT 1100	3/11/2015	14:54	WMM	7.74	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/11/2015	14:54	WMM	25.71	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/11/2015	14:54	WMM	18.1	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/11/2015	14:54	WMM	32.41	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	3/20/2015	12:00	KS	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	3/17/2015	10:30	KS	1.33		mg/L	0.04
Color by Observation	Observation	3/11/2015	14:54	WMM	CLOUDY	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	3/13/2015	11:30	AMC	544	XC	mg/L	0.1
Chloride	EPA 300.0	3/12/2015	10:00	AS	124		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: 4/8/2015

Sample Number:	**AC22154**	Sample ID:	4MW13D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	3/11/2015	Date Received:	3/11/2015
Time Sampled:	15:30	Time Received:	16:00
Sampled By:	WMM	Received By:	DAS
		Delivered By:	WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/11/2015	15:30	WMM	376	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/11/2015	15:30	WMM	0.95	D	mg/L	0.1
pH Field	FDEP FT 1100	3/11/2015	15:30	WMM	6.56	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/11/2015	15:30	WMM	25.98	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/11/2015	15:30	WMM	2.1	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/11/2015	15:30	WMM	29.97	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	3/20/2015	12:00	KS	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	3/17/2015	10:30	KS	0.07	I	mg/L	0.04
Color by Observation	Observation	3/11/2015	15:30	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	3/13/2015	11:30	AMC	270		mg/L	0.1
Chloride	EPA 300.0	3/12/2015	10:00	AS	26.3		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: 4/8/2015

Sample Number:	**AC22178**	Sample ID:	2MW17S @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	3/12/2015	Date Received:	3/12/2015
Time Sampled:	10:13	Time Received:	15:20
Sampled By:	WMM	Received By:	AMC
		Delivered By:	WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/12/2015	10:13	WMM	315	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/12/2015	10:13	WMM	2.10	D	mg/L	0.1
pH Field	FDEP FT 1100	3/12/2015	10:13	WMM	6.41	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/12/2015	10:13	WMM	24.86	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/12/2015	10:13	WMM	25.6	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/12/2015	10:13	WMM	27.88	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	3/20/2015	12:00	KS	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	3/18/2015	16:39	KS	19.26		mg/L	0.04
Color by Observation	Observation	3/12/2015	10:13	WMM	CLOUDY	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	3/13/2015	11:30	AMC	342		mg/L	0.1
Chloride	EPA 300.0	3/19/2015	10:00	AS	18.2		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: 4/8/2015

Sample Number:	**AC22179**	Sample ID:	2MW15DA @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	3/12/2015	Date Received:	3/12/2015
Time Sampled:	10:53	Time Received:	15:20
Sampled By:	WMM	Received By:	AMC
		Delivered By:	WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/12/2015	10:53	WMM	238	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/12/2015	10:53	WMM	1.07	D	mg/L	0.1
pH Field	FDEP FT 1100	3/12/2015	10:53	WMM	7.30	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/12/2015	10:53	WMM	24.84	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/12/2015	10:53	WMM	88.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/12/2015	10:53	WMM	33.22	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	3/20/2015	12:00	KS	0.03	I	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	3/17/2015	10:30	KS	0.24		mg/L	0.04
Color by Observation	Observation	3/12/2015	10:53	WMM	CLOUDY	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	3/13/2015	11:30	AMC	202		mg/L	0.1
Chloride	EPA 300.0	3/19/2015	10:00	AS	7.64		mg/L	0.10

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SOUTHERN ANALYTICAL LABORATORIES, INC.

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

SAL Project No. 1502209

Client Name	Contact / Phone:
Pasco Co Utilities	Candia Mulhern 727-847-8902
Project Name / Location: 45799 / Res. Rec. Appendix I Analyses	
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

SAL Use Only Sample No.	Sample Description	Date	Time	Matrix	Composite	Grab	PARAMETER / CONTAINER DESCRIPTION: 250 mL P, HNO3 * Ag, As, Ba, Be, Cd, Cr, Co, Cu, Ni, Pb, Sb, Se, Tl, V, Zn	40 mL Vials, HCl 8260 App.I Volatiles	40 mL Vials, Cool 8011Organics ** (DBCP, EDB only)						No. of Containers (Total per each location)
01	4MW-2	03/03/15	1019	GW		X	1	3	3						7
04 02	Trip Blank	12-10	1200	R		X		1-3 03/03/15							2 3 03/03/15
02	2MW-2	03/03/15	1111	GW		X	1	3	3						7
03	4MW-6	03/03/15	1432	GW		X	1	3	3						7
														Sent to	
														S.A.L	
														3/4/15	

Containers Prepared/ Relinquished:	Date/Time:	Received:	Date/Time:
MSM	1200 12/10/14	W. Mack	03/03/15
W. Mack	1600 03/03/15	[signature]	1600 3/3/15
[signature]	1140 3/4/15	[signature]	1140 3-4-15
[signature]	1225 3-4-15	[signature]	1225 3-4-15

Seal intact?	Y N N/A	Instructions / Remarks
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	

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Chain of Custody

SOUTHERN ANALYTICAL LABORATORIES, INC.

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

SAL Project No. 1502209

Client Name	Contact / Phone:
Pasco Co Utilities	Candia Mulhern 727-847-8902
Project Name / Location: 45799 / Res. Rec. — Appendix I Analyses	
Samplers: (Signature) Wilfred Mark	

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

SAL Use Only Sample No.	Sample Description	Date	Time	Matrix	Composite	Grab	250 mL P, HNO3 * Ag, As, Ba, Be, Cd, Cr, Co, Cu, Ni, Pb, Sb, Se, Tl, V, Zn	40 mL Vials, HCl 8260 App.I Volatiles	40 mL Vials, Cool 8011Organics ** (DBCP, EDB only)						No. of Containers (Total per each location)
04	~~01~~ 4MW-5	03-04-15	1112	GW		X	1	3	3						7
	~~02~~ Trip Blank			R		X		4							4
05	4MW-4	03-04-15	1243	GW		X	1	3	3						7
06	4MW-11	03-04-15	1356	GW		X	1	3	3						7
07	4MW-12	03-04-15	1511	GW		X	1	3	3						7
												Sent to S.A.L. 3/6/15			

Containers Prepared/ Relinquished: HHartle	Date/Time: 1430 09/11/14	Received: W. Mark	Date/Time: 0700 03-04-15	Seal intact? Y N N/A
Relinquished: W. Mark	Date/Time: 1600 03-04-15	Received: BF	Date/Time: 16:00 3/4/15	Samples intact upon arrival? Y N N/A
Relinquished: BF	Date/Time: 0815 3/6/15	Received:	Date/Time: 0815 3/6/15	Received on ice? Temp 2.7 Y N N/A
Relinquished:	Date/Time: 1000 3/6/15	Received:	Date/Time: 3-6-15 1000	Proper preservatives indicated? Y N N/A
Relinquished:	Date/Time:	Received:	Date/Time:	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

SOUTHERN ANALYTICAL LABORATORIES, INC.

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

SAL Project No. 1502209

Client Name	Contact / Phone:
Pasco Co Utilities	Candia Mulhern 727-847-8902
Project Name / Location: 45799 / Res. Rec. — Appendix I Analyses	
Samplers: (Signature) Wilfred Mann	

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

SAL Use Only Sample No.	Sample Description	Date	Time	Matrix	Composite	Grab	250 mL P, HNO3 * Ag, As, Ba, Be, Cd, Cr, Co, Cu, Ni, Pb, Sb, Se, Tl, V, Zn	40 mL Vials, HCl 8260 App.I Volatiles	40 mL Vials, Cool 8011Organics ** (DBCP, EDB only)						No. of Containers (Total per each location)
08 or	2MW 19	03-05-15	1104	GW		X	1	3	3						7
~~02~~	Trip Blank	12-10	1200	R		X		4 ~~3~~ 03-05-15							4 ~~2~~ 03-05-15
09	2MW-18	03-05-15	1154	GW		X	1	3	3						7
10	4MW 14	03-05-15	1356	GW		X	1	3	3						7
11	4MW-1	03-05-15	1515	GW		X	1	3	3						7
												Sent to			
												S.A.L			
												3/6/15			

Containers Prepared/ Relinquished	Date/Time	Received	Date/Time
NSM	1200 12/014	W. Mann	1104 03-05-15
W. Mann	1600 03-05-15		16:00 3/5/15
	0815 3/6/15		0815 3/6/15
	1000 3/6/15		1000 3/6/15

Seal intact? Y N N/A
Samples intact upon arrival? Y N N/A
Received on ice? Temp 2.7 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

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SOUTHERN ANALYTICAL LABORATORIES, INC.

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

SAL Project No. 1502209

Client Name	Contact / Phone:
Pasco Co Utilities	Candia Mulhern 727-847-8902
Project Name / Location: 45799 / Res. Rec. — Appendix I Analyses	
Samplers: (Signature) Wilfred Mul	

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

SAL Use Only Sample No.	Sample Description	Date	Time	Matrix	Composite	Grab	PARAMETER / CONTAINER DESCRIPTION: 250 mL P, HNO3 * Ag, As, Ba, Be, Cd, Cr, Co, Cu, Ni, Pb, Sb, Se, Tl, V, Zn	40 mL Vials, HCl 8260 App.I Volatiles	40 mL Vials, Cool 8011Organics ** (DBCP, EDB only)						No. of Containers (Total per each location)
12	~~01~~ 2MW 24D	03/09/15	1203	GW		X	1	3	3						7
	~~02~~ Trip Blank	12-10	1200	R		X		1							2
13	2MW-25D	03/09/15	1310	GW		X	1	3	3						7
14	2MW-26D	03/09/15	1508	GW		X	1	3	3						7

Sent to S.A.L. 3/11/15

Containers Prepared/ Relinquished	Date/Time	Received	Date/Time
MSM	1200 12/0/14	W. Mul	03/09/15
W. Mul	03/09/15 1600		3/9/15 16:00
	3/11/15 1335		3/11/15 1335
L Hartley	03/11/15 1440		3-11-15 1440

Seal intact?	Y N N/A	Instructions / Remarks	
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 w ithin holding time?	Y N N/A		
Volatiles rec'd w /out headspace?	Y N N/A		
Proper containers used?	Y N N/A		

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SOUTHERN ANALYTICAL LABORATORIES, INC.

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

SAL Project No. 1502209

Client Name	Contact / Phone:
Pasco Co Utilities	Candia Mulhern 727-847-8902
Project Name / Location: 45799 / Res. Rec. — Appendix I Analyses	
Samplers: (Signature) Wilfred Marple	

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

SAL Use Only Sample No.	Sample Description	Date	Time	Matrix	Composite	Grab	250 mL P, HNO3 * Ag, As, Ba, Be, Cd, Cr, Co, Cu, Ni, Pb, Sb, Se, Tl, V, Zn	40 mL Vials, HCl 8260 App.I Volatiles	40 mL Vials, Cool 8011Organics ** (DBCP, EDB only)						No. of Containers (Total per each location)
15 01	4MW-7	03/10/15	1035	GW		X	1	3	3						7
~~02~~	Trip Blank	11-24	1430	R		X		5 (+ 03/10/15)							5 ~~2~~ (+ 03/10/15)
16	4MW-9	03/10/15	1205	GW		X	1	3	3						7
17	4MW-8	03/10/15	1317	GW		X	1	3	3						7
18	4MW-21	03/10/15	1400	GW		X	1	3	3						7
19	4MW-22	03/10/15	1513	GW		X	1	3	3						7
														Sent to S.A.L. 3/11/15	

Containers Prepared/ Relinquished:	Date/Time:	Received:	Date/Time:
MDM	1430 1/24/14	W. Marple	0700 03/10/15
W Marple	1600 03/10/15	A Lawson	1600 03/10/15
C Funk	1355 3/11/15	J Hartley	1355 03/11/15
J Hartley	1440 03/11/15		3-11-15 1440

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

Page 81 of 83

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. 1502209

Client Name	Contact / Phone:
Pasco Co Utilities	Candia Mulhern 727-847-8902
Project Name / Location: 45799 / Res. Rec. — Appendix I Analyses	
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

SAL Use Only Sample No.	Sample Description	Date	Time	Matrix	Composite	Grab	PARAMETER / CONTAINER DESCRIPTION: 250 mL P, HNO3 * Ag, As, Ba, Be, Cd, Cr, Co, Cu, Ni, Pb, Sb, Se, Tl, V, Zn	40 mL Vials, HCl 8260 App.I Volatiles	40 mL Vials, Cool 8011Organics ** (DBCP, EDB only)						No. of Containers (Total per each location)
20 01	2MW17	03-12-15	1013	GW		X	1	3	3						7
02	Trip Blank	03-04	1030	R		X		+2							2
21	2MW15DA	03-12-15	1053	GW		X	1	3	3						7
											Sent to				
											S.A.L.				
											3/13/15				

Containers Prepared/ Relinquished:	Date/Time:	Received:	Date/Time:
MJM	1030 03/04/15	W. Mack	0700 03-12-15
Relinquished: W. Mack	Date/Time: 1520 03-12-15	Received: CF	Date/Time: 1520 3/12/15
Relinquished: CF	Date/Time: 0700 3/13/15	Received: C Hartley	Date/Time: 0700 03/13/15
Relinquished: C Hartley	Date/Time: 0920 03/13/15	Received:	Date/Time: 3-13-15 920
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

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SOUTHERN ANALYTICAL LABORATORIES, INC.

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

SAL Project No. 1502209

Client Name	Contact / Phone:
Pasco Co Utilities	Candia Mulhern 727-847-8902
Project Name / Location: 45799 / Res. Rec. — Appendix I Analyses	
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

SAL Use Only Sample No.	Sample Description	Date	Time	Matrix	Composite	Grab	250 mL P, HNO3 * Ag, As, Ba, Be, Cd, Cr, Co, Cu, Ni, Pb, Sb, Se, Tl, V, Zn	40 mL Vials, HCl 8260 App.I Volatiles	40 mL Vials, Cool 8011Organics ** (DBCP, EDB only)					No. of Containers (Total per each location)
22 01	4MW 27D	03-11-15	1024	GW		X	1	3	3					7
02	Trip Blank	12-10	1200	R		X		1						2
23	4MW 27	03-11-15	1319	GW		X	1	3	3					7
24	2MW27D	03-11-15	1454	GW		X	1	3	3					7
25	4MW 13D	03-11-15	1530	GW		X	1	3	3					7

Sent to S.A.L. 3/13/15

Containers Prepared/ Relinquished:	Date/Time: 1200 12/0/4	Received:	Date/Time: 0700 03-11-15
Relinquished:	Date/Time: 1600 03-11-15	Received:	Date/Time: 1600 03-11-15
Relinquished:	Date/Time: 0700 3/13/15	Received:	Date/Time: 0700 03/13/15
Relinquished:	Date/Time: 0920 03/13/15	Received:	Date/Time: 3-13-15 920
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

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SOUTHERN ANALYTICAL LABORATORIES, INC.

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

SAL Project No. _____

Client Name	Contact / Phone:
Pasco Co Utilities	Candia Mulhern 727-847-8902
Project Name / Location: 45799 / Res. Rec. — Appendix I Analyses	
Samplers: (Signature) Wilfred Mul	

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

SAL Use Only Sample No.	Sample Description	Date	Time	Matrix	Composite	Grab	250 mL P, HNO3 * Ag, As, Ba, Be, Cd, Cr, Co, Cu, Ni, Pb, Sb, Se, Tl, V, Zn	40 mL Vials, HCl 8260 App.I Volatiles	40 mL Vials, Cool 8011Organics ** (DBCP, EDB only)						No. of Containers (Total per each location)
							PARAMETER / CONTAINER DESCRIPTION								
01	2MW24D	03/09/15	1203	GW		X	1	3	3						7
02	Trip Blank	12-10	1200	R		X		1							2
	2MW-25D	03/09/15	1310	GW		X	1	3	3						7
	2MW-26D	03/09/15	1508	GW		X	1	3	3						7
													Sent to		
													S.A.L.		
													3/11/15		

Containers Prepared/ Relinquished:	Date/Time:	Received:	Date/Time:
MSM	1200 12/0/14	W. Mul	03/09/15
W. Mul	03/09/15 1600		3/9/15 1600
	3/11/15 1355	S Hartley	03/11/15 1355

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

Instructions / Remarks

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Chain of Custody

1715 North Westshore Boulevard, Suite 875
Tampa, Florida 33607
tel: +1 813 281-2900
fax: +1 813 288-8787
cdmsmith.com

May 27, 2015

Ms. Candia Mulhern
Utility Services Branch
Environmental Laboratory
8864 Government Drive
New Port Richey, Florida 34654

Subject: Groundwater Contour Maps, Year 2015, Quarter I
West Pasco Class I & West Pasco Class III Landfills
Pasco County, Florida
Class I Landfill Site Certification No: PA87-23
Class I Landfill WACS No: SWD/51/45799
Class III Landfill Permit No: 26254-001-SO/T3
Class III Landfill WACS No: SWD/51/45920

Dear Ms. Mulhern:

Six signed and sealed copies of the groundwater elevation contour maps for the West Pasco Class I & West Pasco Class III Landfills (Resource Recovery Facility) are attached. These maps were prepared based upon revised water level data received from you for the Year 2015, Quarter I monitoring event. The table of water level data you provided is attached. An e-mail with an electronic file containing this letter, the contour maps, and the tabulated data you provided has also been sent to you.

If you have any questions or concerns, please do not hesitate to call me at (813)-281-2900.

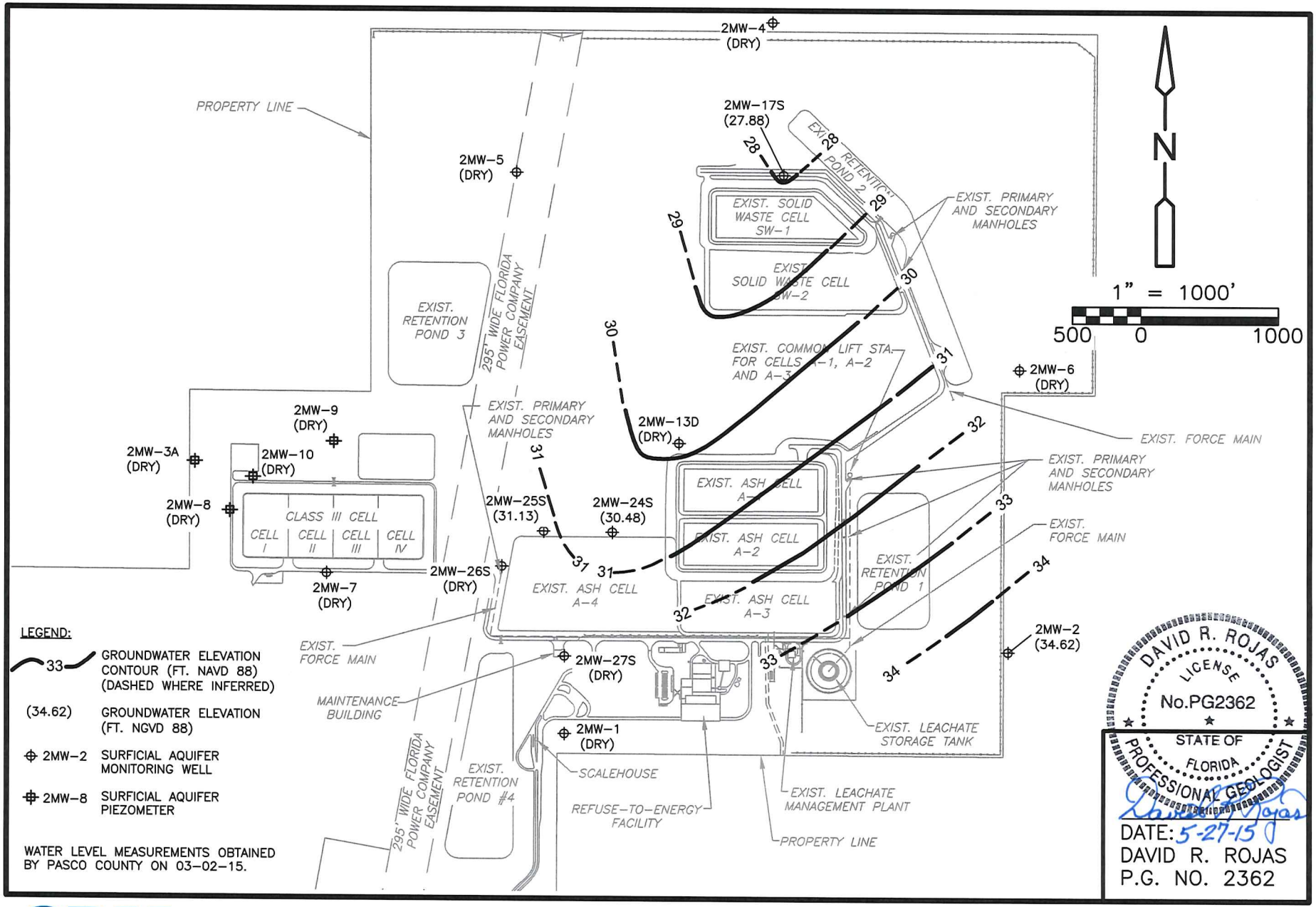
Sincerely,

David R. Rojas, P.G.
Environmental Scientist
CDM Smith

Attachments:
Resource Recovery Facility Floridan Aquifer Groundwater Contour Map (6 copies)
Resource Recovery Facility Surficial Aquifer Groundwater Contour Map (6 copies)
Tabulated Water Level Data for Resource Recovery Facility (1 copy)

cc: John Power, Pasco County Resource Recovery Facility w/1 set of attachments
Nathan Schmaus, CDM Smith w/1 set of attachments

USER: nunesal
DATE: May 27, 2015 11:25am



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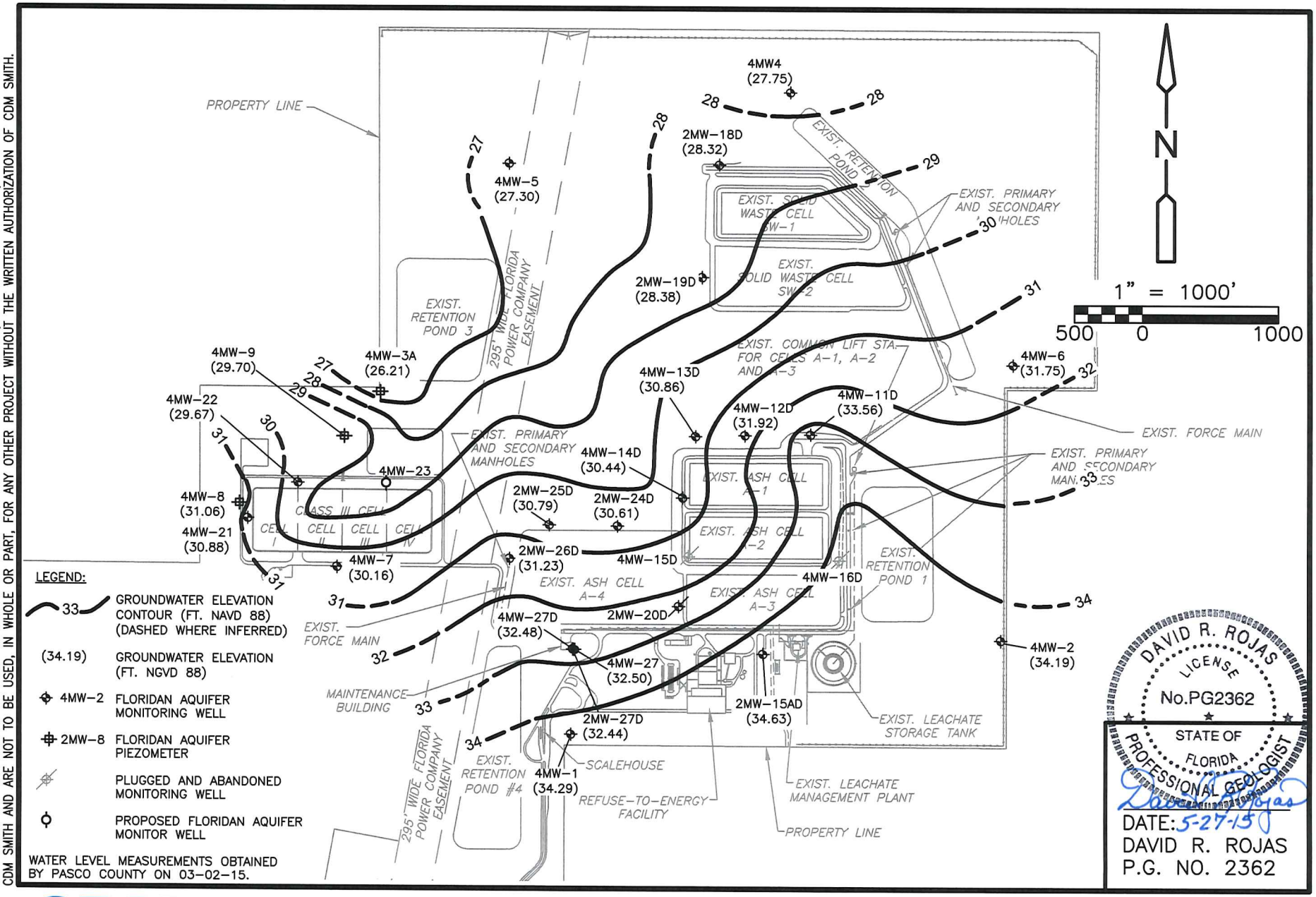
CDM Smith

Potentiometric Surface of Surficial Aquifer, 1st Quarter, 2015
West Pasco Resource Recovery Facility
Spring Hill, Pasco County, Florida

USER: nunesal
DATE: May 27, 2015 12:28pm



DAVID R. ROJAS
LICENSE
No.PG2362
STATE OF FLORIDA
PROFESSIONAL GEOLOGIST
DATE: 5-27-15
DAVID R. ROJAS
P.G. NO. 2362

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CDM Smith

Potentiometric Surface of Floridan Aquifer, 1st Quarter, 2015
West Pasco Resource Recovery Facility
Spring Hill, Pasco County, Florida

RESOURCE RECOVERY

WATER LEVEL 2015 QUARTER-I

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	2-Mar	0800	49.95	DRY	DRY	**2MW-13D**	2-Mar	1047	52.39	DRY	DRY
4MW1	2-Mar	0805	50.34	16.05	34.29	**4MW-13D**	2-Mar	1045	54.04	23.18	30.86
2MW2	2-Mar	0820	56.41	21.79	34.62	**4MW-14D**	2-Mar	1042	52.00	21.56	30.44
4MW2	2-Mar	0825	56.11	21.92	34.19	**2MW-15DA**	2-Mar	0810	54.71	20.08	34.63
2MW3A	2-Mar	0925	50.01	DRY	DRY	**2MW-17S**	2-Mar	0850	53.42	25.54	27.88
4MW3A	2-Mar	0920	52.92	26.71	26.21	**2MW-18D**	2-Mar	0855	52.75	24.43	28.32
2MW4	2-Mar	0840	54.77	DRY	DRY	**2MW-19D**	2-Mar	0900	52.25	23.87	28.38
4MW4	2-Mar	0845	50.81	23.06	27.75	**4MW 21**	2-Mar	1505	51.46	20.58	30.88
2MW5	2-Mar	0910	49.17	DRY	DRY	**4MW 22**	2-Mar	1500	53.44	23.77	29.67
4MW5	2-Mar	0912	49.06	21.76	27.30	**2MW-24S**	2-Mar	1040	50.37	19.89	30.48
2MW6	2-Mar	0830	56.11	DRY	DRY	**2MW-24D**	2-Mar	1038	50.55	19.94	30.61
4MW6	2-Mar	0835	55.95	24.20	31.75	**2MW-25S**	2-Mar	1032	47.84	16.71	31.13
2MW7	2-Mar	930	52.75	DRY	DRY	**2MW-25D**	2-Mar	1030	47.87	17.08	30.79
4MW7	2-Mar	0932	52.62	22.46	30.16	**2MW-26S**	2-Mar	1025	54.16	DRY	DRY
2MW8	2-Mar	0950	51.97	DRY	DRY	**2MW-26D**	2-Mar	1020	54.13	22.90	31.23
4MW8	2-Mar	0955	51.87	20.81	31.06	**2MW-27S**	2-Mar	1005	50.44	DRY	DRY
2MW9	2-Mar	0940	52.29	DRY	DRY	**2MW-27D**	2-Mar	1007	50.32	17.88	32.44
4MW9	2-Mar	0942	52.78	23.08	29.70	**4MW-27**	2-Mar	1009	49.60	17.10	32.50
2MW10	2-Mar	0945	52.63	DRY	DRY	**4MW-27D**	2-Mar	1011	49.28	16.80	32.48
4MW-11D	2-Mar	1055	65.00	31.44	33.56						
4MW-12D	2-Mar	1050	55.03	23.11	31.92						

NOTES:

RESOURCE RECOVERY

WATER LEVEL 2015 QUARTER-I

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	2-Mar	0800	49.95	DRY	DRY	**2MW-13D**	2-Mar	1047	52.39	DRY	DRY
4MW1	2-Mar	0805	50.34	16.05	34.29	**4MW-13D**	2-Mar	1045	54.04	23.18	30.86
2MW2	2-Mar	0820	56.41	21.79	34.62	**4MW-14D**	2-Mar	1042	52.00	21.56	30.44
4MW2	2-Mar	0825	56.11	21.92	34.19	**2MW-15DA**	2-Mar	0810	54.71	20.08	34.63
2MW3A	2-Mar	0925	50.01	DRY	DRY	**2MW-17S**	2-Mar	0850	53.42	25.54	27.88
4MW3A	2-Mar	0920	52.92	26.71	26.21	**2MW-18D**	2-Mar	0855	52.75	24.43	28.32
2MW4	2-Mar	0840	54.77	DRY	DRY	**2MW-19D**	2-Mar	0900	52.25	23.87	28.38
4MW4	2-Mar	0845	50.81	23.06	27.75	**4MW 21**	2-Mar	1505	51.46	20.58	30.88
2MW5	2-Mar	0910	49.17	DRY	DRY	**4MW 22**	2-Mar	1500	53.44	23.77	29.67
4MW5	2-Mar	0912	49.06	21.76	27.30	**2MW-24S**	2-Mar	1040	50.37	19.89	30.48
2MW6	2-Mar	0830	56.11	DRY	DRY	**2MW-24D**	2-Mar	1038	50.55	19.94	30.61
4MW6	2-Mar	0835	55.95	24.20	31.75	**2MW-25S**	2-Mar	1032	47.84	16.71	31.13
2MW7	2-Mar	930	52.75	DRY	DRY	**2MW-25D**	2-Mar	1030	47.87	17.08	30.79
4MW7	2-Mar	0932	52.62	22.46	30.16	**2MW-26S**	2-Mar	1025	54.16	DRY	DRY
2MW8	2-Mar	0950	51.97	DRY	DRY	**2MW-26D**	2-Mar	1020	54.13	22.90	31.23
4MW8	2-Mar	0955	51.87	20.81	31.06	**2MW-27S**	2-Mar	1005	50.44	DRY	DRY
2MW9	2-Mar	0940	52.29	DRY	DRY	**2MW-27D**	2-Mar	1007	50.32	17.88	32.44
4MW9	2-Mar	0942	52.78	23.08	29.70	**4MW-27**	2-Mar	1009	49.60	17.10	32.50
2MW10	2-Mar	0945	52.63	DRY	DRY	**4MW-27D**	2-Mar	1011	49.28	16.80	32.48
4MW-11D	2-Mar	1055	65.00	31.44	33.56						
4MW-12D	2-Mar	1050	55.03	23.11	31.92						

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:	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					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								
800		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:	800
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	
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:	March 3, 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				21.75	BP

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

TWD:	36	STATIC WATER:	21.75	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	2.28

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):
		1020	1055	3.42

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)
1055	2.28	2.28	0.07	22.00	5.99	24.80	104	2.08	0	CLEAR	NONE
1103	0.57	2.85	0.07	22.00	6.04	24.81	105	2.10	0.0	CLEAR	NONE
1111	0.57	3.42	0.07	22.00	6.08	24.84	108	2.11	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:	1111
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	1	PE	250	NONE	NONE	N/A	CL,TDS	2/9/15	04	BP
2MW2	1	PE	250	H2SO4	1	<2	NH3,NO3	2/9/15	04	BP
2MW2	0	PE	250	HNO3	2	<2	FE,HG,NA	N/A	N/A	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=34.66**

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:	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					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								
0828		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:	0828
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				
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH	INTENDED ANALYSIS and/or METHOD	EQUIP. CODE:
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:	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:	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								
0850		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:	0850
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	
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:	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					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								
825		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:	825
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:	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:	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								
850		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:	850
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:	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:	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								
1105		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:	1105
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:	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:	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								
1100		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:	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	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				EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH	INTENDED ANALYSIS and/or METHOD	
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:	March 31, 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				23.20	BP

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

TWD:	44	STATIC WATER:	23.2	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	3.328

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):
		0924	0940	4.99

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)
0940	3.33	3.33	0.21	23.20	7.12	21.85	275	1.14	7.3	CLEAR	NONE
0944	0.83	4.16	0.21	23.20	7.16	21.88	277	1.08	4.6	CLEAR	NONE
0948	0.83	4.99	0.21	23.20	7.19	21.89	278	1.05	2.1	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:	0948

PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	800	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	3/16/14	08	BP
2MW15AD	2	PE	250	H2SO4	1	<2	NH3,NO3	3/21/14	03	BP
2MW15AD	1	PE	500	HNO3	1	<2	FE,HG,NA	2/4/14	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=31.51**

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:	March 28, 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				28.80	BP

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

TWD:	38	STATIC WATER:	28.8	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	1.472

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):
		1240	1245	4.41

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)
1245	1.47	1.47	0.32	28.80	6.34	24.91	225	1.66	10.1	CLEAR	NONE
1250	1.47	2.94	0.32	28.80	6.31	24.92	223	1.71	4.5	CLEAR	NONE
1255	1.47	4.41	0.32	28.80	6.29	24.95	221	1.73	3.2	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:	1255

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	3/25/14	06	BP
2MW17S	2	PE	250	H2SO4	1	<2	NH3,NO3	3/25/14	06	BP
2MW17S	1	PE	250	HNO3	1	<2	FE,HG,NA	1/6/14	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=24.62**

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:	2MW18D	DATE:	March 5, 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				24.94	BP

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

TWD:	40	STATIC WATER:	24.94	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	2.4096

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):
		1130	1138	7.23

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)
1138	2.41	2.41	0.32	25.20	6.71	24.44	407	1.09	14.2	CLEAR	NONE
1146	2.41	4.82	0.32	25.20	6.74	24.47	45	1.08	13.8	CLEAR	NONE
1154	2.41	7.23	0.32	25.20	6.76	24.48	403	1.10	13.4	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:	1154

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	1	PE	250	NONE	NONE	N/A	CL,TDS	3/25/14	06	BP
2MW18D	1	PE	250	H2SO4	1	<2	NH3,NO3	3/25/14	06	BP
2MW18D	0	PE	500	HNO3	1	<2	FE,HG,NA	N/A	N/A	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=27.81**

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:	March 5, 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				23.73	BP

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

TWD:	55	STATIC WATER:	23.73	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	5.0032

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	1046	10.00

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. (NTU)	COLOR (describe)	ODOR (describe)
1046	5.00	5.00	0.32	24.00	6.84	24.40	406	0.76	0.0	CLEAR	NONE
1054	2.50	7.50	0.32	24.00	6.81	24.41	405	0.74	0.0	CLEAR	NONE
1104	2.50	10.00	0.32	24.00	6.80	24.43	403	0.69	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:	1104

PUMP OR TUBING IN WELL (feet):	43.0-46.0	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	
2MW19D	1	PE	250	NONE	NONE	N/A	CL,TDS	1/26/15	05	BP
2MW19D	1	PE	250	H2SO4	1	<2	NH3,NO3	2/9/15	04	BP
2MW19D	0	PE	500	HNO3	1	<2	FE,HG,NA	N/A	N/A	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=28.52**

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:	March 9, 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				20.00	BP

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

TWD:	44.00	STATIC WATER:	20.00	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	3.84

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):
		1115	1139	7.68

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)
1139	3.84	3.84	0.16	21.80	7.62	24.41	482	1.10	1.2	CLEAR	NONE
1151	1.92	5.76	0.16	21.80	7.61	24.45	480	1.06	0.5	CLEAR	NONE
1203	1.92	7.68	0.16	21.80	7.54	24.47	478	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*	D:		ENDED:	1203
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	1	PE	250	NONE	NONE	N/A	CL,TDS	2/27/15	05	BP
2MW24D	1	PE	250	H2SO4	1	<2	NH3,NO3	2/27/15	05	BP
2MW24D	0	PE	500	HNO3	1	<2	FE,HG,NA	n/a	n/a	BP
2MW24D	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			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=30.55**

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:	March 9, 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				19.89	BP

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

TWD:	26.00	STATIC WATER:	19.89	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	0.9776

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	0.98

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	0.98	0.98	0.03								
	0.00	0.98	0.03								
1107	0.00	0.98	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=30.48**	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:	March 9, 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				17.05	BP

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

TWD:	32	STATIC WATER:	17.05	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	2.392

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):
		1240	1256	4.78

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)
1256	2.39	2.39	0.16	17.60	7.44	25.05	598	1.12	16.1	CLEAR	NONE
1303	1.20	3.59	0.16	17.60	7.41	25.07	595	1.12	14.3	CLEAR	NONE
1310	1.20	4.78	0.16	17.60	7.38	25.10	593	1.11	10.3	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:	1310

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	1	PE	250	NONE	NONE	N/A	CL,TDS	2/27/15	05	BP
2MW25D	1	PE	250	H2SO4	1	<2	NH3,NO3	2/27/15	05	BP
2MW25D	0	PE	500	HNO3	1	<2	FE,HG,NA	N/A	N/A	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= 30.82**	Starting flow rate at 1200 mL/min; gradually dropped flow rate to 600 mL/min due to draw-down.								

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:	March 9, 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				14.50	BP

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

TWD:	14.5	STATIC WATER:	14.5	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								
1230	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:	1230
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**	Static water level (16.79 ft) measured lower than reported total well depth (14.50 ft). Attempted to purge was unsuccessful; reporting as dry. Total well depth was measured at 17.33 ft.

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:	March 9, 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				22.88	BP

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

TWD:	55	STATIC WATER:	22.88	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	5.1392

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):
		1348	1444	7.71

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)
1444	5.14	5.14	0.09	23.40	7.64	25.11	481	1.04	10.3	CLEAR	NONE
1454	1.29	6.42	0.09	23.40	7.65	25.12	481	1.01	6.9	CLEAR	NONE
1508	1.29	7.71	0.09	23.40	7.67	25.14	479	0.95	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:	1508
PUMP OR TUBING IN WELL (feet):	43.0-46.0	SAMPLE PUMP FLOW RATE (ML/MIN.):	350	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	2/27/15	05	BP
2MW26D	1	PE	250	H2SO4	1	<2	NH3,NO3	2/27/15	05	BP
2MW26D	1	PE	250	HNO3	1	<2	FE,HG,NA	3/25/14	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= 31.25**	Starting flow rate was 1200 mL/min. Gradually dropped flow rate to 350 mL/min to minimize draw-down.								

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:	March 9, 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				22.39	BP

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

TWD:	23	STATIC WATER:	22.39	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	0.0976

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):
		1315		0.10

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)
	0.10	0.10	0.29								
	0.00	0.10	0.29								
1335	0.00	0.10	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:	1335
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			BP
2MW26S	0	PE	250	H2SO4	1	<2	NH3,NO3			BP
2MW26S	0	PE	250	HNO3	1	<2	FE,HG,NA			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: Attempt to purge well was unsuccessful. Well ran dry after about 20 minutes of purging at 100 mL/min.								

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:	March 11, 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				17.91	BP

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

TWD:	42	STATIC WATER:	17.91	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	3.8544

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):
		1330	1412	7.71

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)
1412	3.85	3.85	0.09	18.40	7.68	25.66	435	1.12	19.9	CLOUDY	NONE
1433	1.93	5.78	0.09	18.40	7.71	25.68	432	1.14	18.5	CLOUDY	NONE
1454	1.93	7.71	0.09	18.40	7.74	25.71	430	1.16	18.1	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:	1454
PUMP OR TUBING IN WELL (feet):	43.0-46.0	SAMPLE PUMP FLOW RATE (ML/MIN.):	350		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	2/27/15	05	BP
2MW27D	1	PE	250	H2SO4	1	<2	NH3,NO3	2/27/15	05	BP
2MW27D	0	PE	500	HNO3	1	<2	FE,HG,NA	N/A	N/A	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=32.41**									

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:	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				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							
1315	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:	1315
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:	March 5, 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:
4				15.91	BP

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

TWD:	42	STATIC WATER:	15.91	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	16.9585

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):
		1415	1455	25.44

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)
1455	16.96	16.96	0.42	16.10	6.88	25.20	652	0.69	4.1	CLEAR	NONE
1505	4.24	21.20	0.42	16.10	6.89	25.21	655	0.67	2.4	CLEAR	NONE
1515	4.24	25.44	0.42	16.10	6.94	25.22	659	0.65	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:	1515
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	3/16/14	08	BP
4MW1	1	PE	250	H2SO4	1	<2	NH3,NO3	3/16/14	08	BP
4MW1	0	PE	500	HNO3	1	<2	FE,HG,NA	N/A	N/A	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=34.43**

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:	March 3, 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:
4				21.90	BP

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

TWD:	69	STATIC WATER:	21.90	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	30.615

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	0943	45.93

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)
0943	30.62	30.62	0.42	22.00	6.40	24.93	195	1.24	0.0	CLEAR	NONE
1001	7.66	38.27	0.42	22.00	6.38	24.91	193	1.27	0.0	CLEAR	NONE
1019	7.66	45.93	0.42	22.00	6.34	24.89	191	1.28	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:	1019

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	1	PE	250	NONE	NONE	N/A	CL,TDS	2/13/15	04	BP
4MW2	2	PE	250	H2SO4	1	<2	NH3,NO3	2/9/15	04	BP
4MW2	0	PE	250	HNO3	0	<2	FE,HG,NA	N/A	N/A	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=34.21**

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:	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:	March 4, 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:
4				22.95	BP

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

TWD:	42.00	STATIC WATER:	22.95	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	12.3825

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):
		1200	1229	18.57

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)
1229	12.38	12.38	0.42	23.00	6.88	24.87	351	1.10	0.0	CLEAR	NONE
1236	3.10	15.48	0.42	23.00	6.90	24.87	350	1.06	0.0	CLEAR	NONE
1243	3.10	18.57	0.42	23.00	6.91	24.88	352	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*	D:		ENDED:	1243
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	1	PE	250	NONE	NONE	N/A	CL,TDS.	2/9/15	04	BP
4MW4	1	PE	250	H2SO4	1	<2	NH3,NO3	2/9/15	04	BP
4MW4	0	PE	500	HNO3	1	<2	FE,HG,NA	n/a	n/a	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=27.86**

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:	4MW5	DATE:	March 4, 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:
4				20.27	BP

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

TWD:	77.00	STATIC WATER:	20.27	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	36.8745

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):
		0900	1028	55.31

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)
1028	36.87	36.87	0.42	20.40	7.50	23.58	482	1.25	0.0	CLEAR	NONE
1050	9.22	46.09	0.42	20.40	7.51	23.60	481	1.24	0.0	CLEAR	NONE
1112	9.22	55.31	0.42	20.40	7.54	23.61	480	1.24	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:	1112

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	1	PE	250	NONE	NONE	N/A	CL,TDS	3/25/14	06	BP
4MW5	2	PE	250	H2SO4	1	<2	NH3,NO3	3/25/14	06	BP
4MW5	1	PE	250	HNO3	1	<2	FE,HG,NA	3/25/14	02	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=25.76**									

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:	March 3, 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:
4				24.16	BP

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

TWD:	107.00	STATIC WATER:	24.16	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	53.846

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):
		1120	1328	80.77

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)
1328	53.85	53.85	0.42	24.30	6.94	25.17	117	1.47	0.0	CLEAR	NONE
1400	13.46	67.31	0.42	24.30	6.95	25.21	118	1.48	0.0	CLEAR	NONE
1432	13.46	80.77	0.42	24.30	7.01	25.23	120	1.44	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:	1432
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	
4MW6	1	PE	250	NONE	NONE	N/A	CL,TDS	3/25/14	06	BP
4MW6	1	PE	250	H2SO4	1	<2	NH3,NO3	3/25/14	06	BP
4MW6	0	PE	250	HNO3	1	<2	FE,HG,NA	N/A	N/A	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=31.77**

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:	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:
4				22.46	BP

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

TWD:	50.00	STATIC WATER:	22.46	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	17.901

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):
		0910	1007	26.85

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)
1007	17.90	17.90	0.32	22.80	7.58	23.84	302	1.05	0.0	CLEAR	NONE
1021	4.48	22.38	0.32	22.80	7.61	23.84	301	1.07	0.0	CLEAR	NONE
1035	4.48	26.85	0.32	22.80	7.69	23.95	300	0.95	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:	1035

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	
4MW7	1	PE	250	NONE	NONE	N/A	CL,TDS	2/27/15	05	BP
4MW7	1	PE	250	H2SO4	20DROPS	<2	NH3,NO3	2/27/15	05	BP
4MW7	0	PE	500	HNO3	20DROPS	<2	FE,HG,NA	N/A	N/A	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=30.16**

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:	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:
4				20.84	BP

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

TWD:	41.00	STATIC WATER:	20.84	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	13.104

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):
		1230	1301	19.65

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. (NTUs)	COLOR (describe)	ODOR (describe)
1301	13.10	13.10	0.42	20.90	7.85	23.58	310	0.80	0.0	CLEAR	NONE
1309	3.28	16.38	0.42	20.90	7.80	23.64	311	0.78	0.0	CLEAR	NONE
1317	3.28	19.65	0.42	20.90	7.79	23.60	315	0.73	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:	1317

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	2/27/15	05	BP
4MW8	1	PE	250	H2SO4	20DROPS	<2	NH3,NO3	2/27/15	05	BP
4MW8	0	PE	500	HNO3	20DROPS	<2	FE,HG,NA	N/A	N/A	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=31.03**

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:	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:
4				23.10	BP

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

TWD:	51.00	STATIC WATER:	23.1	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	18.135

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):
		1100	1143	27.21

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)
1143	18.14	18.14	0.42	23.20	7.75	24.24	347	0.70	0.0	CLEAR	NONE
1154	4.54	22.67	0.42	23.20	7.76	24.25	348	0.68	0.0	CLEAR	NONE
1205	4.54	27.21	0.42	23.20	7.78	24.26	344	0.63	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:	1205

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	2/27/15	05	BP
4MW9	1	PE	250	H2SO4	1	<2	NH3,NO3	2/27/15	05	BP
4MW9	0	PE	500	HNO3	1	<2	FE,HG,NA	N/A	N/A	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=29.68**

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:	March 4, 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:
4				33.74	BP

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

TWD:	52	STATIC WATER:	33.74	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	11.869

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):
		1300	1338	17.80

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)
1338	11.87	11.87	0.32	34.00	6.90	24.51	315	1.24	16.9	CLOUDY	NONE
1347	2.97	14.84	0.32	34.00	6.91	24.54	314	1.22	16.5	CLOUDY	NONE
1356	2.97	17.80	0.32	34.00	6.92	24.56	311	1.21	14.2	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*	:		ENDED:	1356
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	1	PE	250	NONE	NONE	N/A	CL,TDS	2/9/15	04	BP
4MW11D	1	PE	250	H2SO4	1	<2	NH3,NO3	2/9/15	04	BP
4MW11D	0	PE	500	HNO3	2	<2	FE,HG,NA	n/a	n/a	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=31.26**

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:	March 4, 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:
4				24.52	BP

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

TWD:	55.00	STATIC WATER:	24.52	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	19.812

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):
		1400	1447	29.72

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)
1447	19.81	19.81	0.42	24.70	7.74	25.40	375	0.95	0.0	CLEAR	NONE
1459	4.95	24.76	0.42	24.70	7.77	25.41	377	0.97	0.0	CLEAR	NONE
1511	4.95	29.72	0.42	24.70	7.81	24.43	376	1.00	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:	1511
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	
4MW12D	1	PE	250	NONE	NONE	N/A	CL,TDS	2/13/15	04	BP
4MW12D	2	PE	250	H2SO4	1	<2	NH3,NO3	2/9/15	04	BP
4MW12D	1	PE	250	HNO3	1	<2	FE,HG,NA	n/a	n/a	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=30.510**									

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:	March 11, 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				24.07	BP

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

TWD:	36	STATIC WATER:	24.07	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	1.9088

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):
		1512	1518	5.73

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)
1518	1.91	1.91	0.16	24.50	6.66	25.91	378	1.01	6.7	CLEAR	NONE
1524	1.91	3.82	0.16	24.50	6.61	25.94	377	0.98	4.4	CLEAR	NONE
1530	1.91	5.73	0.16	24.50	6.56	25.98	376	0.95	2.1	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:	1530

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	1	PE	250	NONE	NONE	N/A	CL,TDS	2/27/15	05	BP
4MW13D	1	PE	250	H2SO4	1	<2	NH3,NO3	2/27/15	05	BP
4MW13D	0	PE	250	HNO3	1	<2	FE,HG,NA	N/A	N/A	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=29.97**

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:	4MW14D	DATE:	March 5, 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:
4				21.13	BP

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

TWD:	50	STATIC WATER:	21.13	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	18.7655

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):
		1210	1309	28.15

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)
1309	18.77	18.77	0.32	21.60	7.29	26.54	355	0.99	0.0	CLEAR	NONE
1324	4.69	23.46	0.32	21.60	7.32	26.55	350	0.97	0.0	CLEAR	NONE
1339	4.69	28.15	0.32	21.60	7.34	26.59	347	0.93	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:	1339

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	1	PE	250	NONE	NONE	N/A	CL,TDS	2/13/15	04	BP
4MW14D	1	PE	250	H2SO4	1	<2	NH3,NO3	1/26/15	06	BP
4MW14D	0	PE	500	HNO3	1	<2	FE,HG,NA	N/A	N/A	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=30.87**

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; 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°22'24.97"/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:	March 11, 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:
4				17.11	BP

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

TWD:	77	STATIC WATER:	17.11	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	38.9285

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):
		1100	1233	58.39

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)
1233	38.93	38.93	0.42	17.20	7.74	25.70	621	1.04	5.2	CLEAR	NONE
1256	9.73	48.66	0.42	17.20	7.70	25.71	621	1.05	4.1	CLEAR	NONE
1319	9.73	58.39	0.42	17.20	7.67	25.74	622	1.08	1.1	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:	1319

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	3/9/14	05	BP
4MW27	1	PE	250	H2SO4	1	<2	NH3,NO3	3/9/14	05	BP
4MW27	0	PE	250	HNO3	1	<2	FE,HG,NA	N/A	N/A	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=32.49**

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:	March 11, 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:
4				16.80	BP

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

TWD:	156	STATIC WATER:	16.80	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	90.48

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):
		0800	0936	135.72

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)
0936	90.48	90.48	0.95	17.00	7.80	25.54	220	1.02	4.1	CLEAR	NONE
1000	22.62	113.10	0.95	17.00	7.78	25.57	221	1.06	1.4	CLEAR	NONE
1024	22.62	135.72	0.95	17.00	7.73	25.58	224	1.07	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:	1024
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	2/27/15	05	BP
4MW27D	1	PE	250	H2SO4	1	<2	NH3,NO3	2/27/15	05	BP
4MW27D	0	PE	250	HNO3	1	<2	FE,HG,NA	N/A	N/A	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=32.48**

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 2015 QUARTER-I

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	**03-Mar**	0900	49.95	DRY	**DRY**														
4MW1	**05-Mar**	1515	50.34	15.91	**34.43**	6.94	25.22	659	0.65	0.8	CLEAR	109	498	0.08 I	1.38				**AC21909**
2MW2	**03-Mar**	1111	56.41	21.75	**34.66**	6.08	24.84	108	2.11	0.0	CLEAR	6.31	72	0.07 I	4.76				**AC21781**
4MW2	**03-Mar**	1019	56.11	21.90	**34.21**	6.34	24.89	191	1.28	0.0	CLEAR	5.98	118	0.05 I	1.05				**AC21780**
2MW3A	**03-Mar**	1230	50.01	DRY	**DRY**														
4MW3A	**03-Mar**	1235	52.92	26.73	**26.19**														**AC23922**
2MW4	**03-Mar**	1300	54.77	DRY	**DRY**														
4MW4	**04-Mar**	1243	50.81	22.95	**27.86**	6.91	24.88	352	1.04	0.0	CLEAR	17.6	264	0.04 I	0.64				**AC21847**
2MW5	**03-Mar**	1330	49.17	DRY	**DRY**														
4MW5	**04-Mar**	1112	49.06	20.27	**28.79**	7.54	23.61	480	1.24	0.0	CLEAR	67.3	386	0.03 U	0.34				**AC21846**
2MW6	**03-Mar**	1345	56.11	DRY	**DRY**														
4MW6	**03-Mar**	1432	55.93	24.16	**31.77**	7.01	25.23	120	1.44	0.0	CLEAR	5.06	84	0.03 I	0.81				**AC21782**
2MW7	**03-Mar**	1400	52.75	DRY	**DRY**														
4MW7	**10-Mar**	1035	52.62	22.46	**30.16**	7.69	23.95	300	0.95	0.0	CLEAR	13.7	224	0.03 U	0.17				**AC22034**
2MW8	**03-Mar**	1415	51.97	DRY	**DRY**														
4MW8	**10-Mar**	1317	51.87	20.84	**31.03**	7.79	23.60	315	0.73	0.0	CLEAR	17.4	234	0.03 U	0.04 U				**AC22036**
2MW9	**03-Mar**	1420	52.29	DRY	**DRY**														
4MW9	**10-Mar**	1205	52.78	23.10	**29.68**	7.78	24.26	344	0.63	0.0	CLEAR	10.2	272	0.03 U	0.28				**AC22035**
2MW10	**03-Mar**	1425	52.63	DRY	**DRY**														
4MW-11D	**04-Mar**	1356	65.00	33.74	**31.26**	6.92	24.56	311	1.21	14.2	CLOUDY	29.8	234	0.04 I	0.67				**AC21848**
4MW-12D	**04-Mar**	1511	55.03	24.52	**30.51**	7.81	24.43	376	1.00	0.0	CLEAR	26.8	292	0.05 I	0.51				**AC21849**
2MW-13D	**03-Mar**	1440	52.39	DRY	**DRY**														
4MW-13D	**11-Mar**	1530	54.04	24.07	**29.97**	6.56	25.98	376	0.95	2.1	CLEAR	26.3	270	0.03 U	0.07 I				**AC22154**
4MW-14D	**05-Mar**	1339	52.00	21.13	**30.87**	7.34	26.59	347	0.93	0.0	CLEAR	33.0	270	0.08 I	0.71				**AC21908**
2MW-15AD	**12-Mar**	1053	54.71	21.49	**33.22**	7.30	24.84	238	1.07	88.0	CLOUDY								**AC22179**
2MW-17S	**12-Mar**	1013	53.42	25.54	**27.88**	6.41	24.86	315	2.10	25.6	CLOUDY								**AC22178**
2MW-18D	**05-Mar**	1154	52.75	24.94	**27.81**	6.76	24.48	403	1.10	13.4	CLEAR	37.8	316	0.04 I	0.49				**AC21907**
2MW-19D	**05-Mar**	1104	52.25	23.73	**28.52**	6.80	24.43	403	0.69	0.0	CLEAR	24.7	298	0.05 I	0.16				**AC21906**
4MW 21	**10-Mar**	1400	51.46	20.64	**30.82**	7.17	24.65	129	2.24	14.8	CLEAR	11.6	156	0.03 U	6.80				**AC22037**
4MW 22	**10-Mar**	1513	53.44	23.80	**29.64**	7.84	24.05	388	1.11	14.7	CLOUDY	19.2	290	0.03 U	0.09 I				**AC22038**
2MW-24S	**09-Mar**	1107	50.37	19.89	**30.48**														IFS

WELL I.D.	DATE (DD-MMM)	SAMPLE TIME (24hr)	T.O.P. ELEVATION (ft)	STATIC H2O LEVEL (ft)	N.G.V.D. (ft)														***SAMPLE #***
2MW-24D	**09-Mar**	1203	50.55	20.00	**30.55**	7.54	24.47	478	1.04	0.0	CLEAR	59.3	356	0.03	1.76				**AC21988**
2MW-25S	**09-Mar**	1230	47.84	16.79	**DRY**														
2MW-25D	**09-Mar**	1310	47.87	17.05	**30.82**	7.38	25.10	593	1.11	10.3	CLEAR	88.0	430	0.03 U	0.81				**AC21989**
2MW-26S	**09-Mar**	1335	54.16	22.39	**DRY**														
2MW-26D	**09-Mar**	1508	54.13	22.88	**31.25**	7.67	25.14	479	0.95	4.5	CLEAR	55.1	356	0.03 U	0.40				**AC21990**
2MW-27S	**03-Mar**	1500	50.44	50.44	**DRY**														
2MW-27D	**11-Mar**	1454	50.32	17.91	**32.41**	7.74	25.71	430	1.16	18.1	CLOUDY	124	544 XC	0.03 U	1.33				**AC22153**
4MW-27	**11-Mar**	1319	49.60	17.11	**32.49**	7.67	25.74	622	1.08	1.1	CLEAR	120	474	0.03 U	0.85				**AC22152**
4MW-27D	**11-Mar**	1024	49.28	16.80	**32.48**	7.73	25.58	224	1.07	0.0	CLEAR	34.40	214	0.16	0.04 U				**AC22151**

Notes: Appendix I taken for all wells sampled. West Pasco Class III included in resource recovery. 4MW3A water level only.

Calibration						
DATE	TIME	STD	STD	INSTUMENT	CALIBRATED	TYPE
(mm/dd/yy)	(24hr)		VALUE	RESPONSE	(YES, NO)	(init,cont)
03/03/15	0800	pH	7.00	7.21	YES	INT
03/03/15	0800	pH	4.00	4.31	YES	INT
03/03/15	0800	conductivity	200.00	218	YES	INT
03/03/15	0800	turbidity	40.00	44	YES	INT
03/03/15	0800	turbidity	0.00	0	YES	INT
03/03/15	0800	D.O.	8.22	8.24	YES	INT
03/03/15	1530	pH	7.00	7.1	YES	CONT
03/03/15	1530	pH	4.00	3.95	YES	CONT
03/04/15	0800	pH	7.00	7.3	YES	INT
03/04/15	0800	pH	4.00	4.01	YES	INT
03/04/15	0800	conductivity	200.00	221	YES	INT
03/04/15	0800	turbidity	40.00	51	YES	INT
03/04/15	0800	turbidity	0.00	0	YES	INT
03/04/15	0800	D.O.	8.25	8.31	YES	INT
03/04/15	1530	pH	7.00	7.25	YES	CONT
03/04/15	1530	pH	4.00	4.1	YES	CONT
03/05/15	0900	pH	7.00	7.61	YES	INT
03/05/15	0900	pH	4.00	4.88	NO	INT
03/05/15	0800	conductivity	200.00	194	YES	INT
03/05/15	0800	turbidity	40.00	48	YES	INT
03/05/15	0800	turbidity	0.00	0	YES	INT
03/05/15	0800	D.O.	8.23	8.34	YES	INT
03/05/15	1540	pH	7.00	7.35	YES	CONT
03/05/15	1540	pH	4.00	4.24	YES	CONT
03/10/15	0900	pH	7.00	7.18	YES	INT
03/10/15	0900	pH	4.00	3.97	YES	INT
03/10/15	0800	conductivity	200.00	223	YES	INT
03/10/15	0800	turbidity	40.00	41	YES	INT
03/10/15	0800	turbidity	0.00	0	YES	INT
03/10/15	0800	D.O.	8.22	8.25	YES	INT
03/10/15	1540	pH	7.00	7.36	YES	CONT
03/10/15	1540	pH	4.00	4.21	YES	CONT

CALIBRATION

SAMPLER INITIALS
WMM
WMM
WMM