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 April 2014

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, 2014

Dear Mr. Morris

This submittal is for the Semester I, 2014 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

A hard copy of these results and supporting documentation has been submitted under separate cover.

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

Sincerely,

Candia E. Mulhern
Laboratory Manager

Enc.: 1

cc: David Rojas, CDMSmith, Westshore Center Suite 875, 1715 North Westshore BLvd., Tampa, Fl 33607
Robert J. Sigmond, Utilities Fiscal Services/Special Projects Director
John Power, Solid Waste Facility Manager

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 April 2014
(Date)

Candia E. Mulhern
Digitally signed by Candia E. Mulhern
DN: cn=Candia E. Mulhern, o=Pasco County, ou=Environmental Laboratory, email=cmulhern@pascocountyfl.net, c=US
Date: 2014.04.29 10:42:40 -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

Northwest District	Northeast District	Central District	Southwest District	South District	Southeast District
160 Government Center	7825 Baymeadows Way, Ste. 200 B	3319 Maguire Blvd., Ste. 232	13051 N. Telecom Pky.	2295 Victoria Ave., Ste. 364	400 North Congress Ave.
Pensacola, FL 32501-5794	Jacksonville, FL 32256-7590	Orlando, FL 32803-3767	Temple Terrace, FL	Fort Myers, FL 33902-2549	West Palm Beach, FL 33401
850-595-8360	904-807-3300	407-894-7555	813-632-7600	239-332-6975	561-681-6600

PASCO COUNTY, FLORIDA

"Bringing Opportunities Home"

PASCO COUNTY RESOURCE RECOVERY LF
EXCEEDED ANALYTES - SEMESTER I 2014
Jan-June 2014

WELL #	SAMPLE DATE	ANALYTE	RESULT	UNITS	RESAMPLE	RESULT	UNITS
2MW2	28-Mar-14	pH	5.96	std units	No	---	---
4MW-2	28-Mar-14	pH	6.15	std units	No	---	---
4MW-13D	31-Mar-14	pH	6.13	std units	No	---	---
2MW-17S	28-Mar-14	pH	6.29	std units	No	---	---
		Nitrate	31.8	mg/L	No	---	---
4MW-27	25-Mar-14	Vanadium	130	ug/L	No	---	---

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: West Pasco Class III Sanitary Landfill

Test Site ID #: 19671

Sampling Date/Time: 03/25/2014 @ 13:00

Well Name: 2MW-3A

Report Period: 2014 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	0.03	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

Test Site ID #: 19670

Well Name: 4MW-3A

Classification of Groundwater: Floridan

Groundwater Elevation (NGVD): 26.19

Site: West Pasco Class III Sanitary Landfill

Sampling Date/Time: 03/25/2014 @ 13:05

Report Period: 2014 Quarter I

Well Purged: YES

Well Type: PZ

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000620	Nitrate	Well Wizard Ded. Mon. System	No	SM 4500NO_3F			mg/L	0.03	mg/L
000929	Sodium	"	No	EPA 200.7			mg/L	0.19	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	03/25/14 13:05	26.19	Feet NGVD	0	Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: West Pasco Class III Sanitary Landfill

Test Site ID #: 2343

Sampling Date/Time: 03/25/2014 @ 08:50

Well Name: 2MW-7

Report Period: 2014 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	0.03	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: 03/25/2014 @ 09:50

Well Name: 4MW-7

Report Period: 2014 Quarter I

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 28.39

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$_3$F	03/26/14 11:00	0.34	mg/L	0.03	mg/L
000929	Sodium	"	No	EPA 200.7	03/26/14 11:00	4.81	mg/L	0.19	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/25/14 9:50	0.0	NTU	0.00	NTU
00940	Chloride	"	No	EPA 300.0	03/26/14 8:00	14.0	mg/L	0.10	mg/L
001045	Iron	"	No	EPA 200.7	03/26/14 11:00	3.0 I	ug/L	1.6	ug/L
00400	pH-Field	"	No	FDEP FT 11	03/25/14 9:50	7.48	std. units	0.10	std. units
070300	TDS	"	No	SM 2540C	03/27/14 11:40	198	mg/L	0.1	mg/L
000344	Dissolved Oxy. (Field)	"	No	FDEP FT 15	03/25/14 9:50	1.11	mg/L	0.1	mg/L
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/25/14 9:50	339	umhos/cm	1	umhos/cm
000010	Temp. (Field)	"	No	FDEP FT 14	03/25/14 9:50	21.25	deg. C	0.00	deg. C
071900	Mercury	"	No	SM 3112B	03/27/14 10:30	0.08 I	ug/L	0.03	ug/L
000610	Ammonia	"	No	SM 4500NH$_3$H	03/28/14 12:00	0.03 U	mg/L	0.03	mg/L
900216	Color by Obs. (Field)	"	No	SM 2120B	03/25/14 9:50	CLEAR	Obs.	0	Obs.
072020	Water Level	"	No	DEP-SOP	03/25/14 9:50	28.39	Feet NGVD	0	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 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	PASCO COUNTY RESOURCE RECOVERY
Sample Description	**4MW-7 2340**
Matrix	**Groundwater**
SAL Sample Number	**1403170-01**
Date/Time Collected	**03/25/14 09:50**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/26/14 15:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Client Provided Field Data								
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 15:33	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 15:33	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 15:33	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 15:33	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 15:33	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 15:33	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/28/14 15:33	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 15:33	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 15:33	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 15:33	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 15:33	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/28/14 15:33	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		03/28/14 15:33	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		03/28/14 15:33	1
Acetone	ug/L	3.9 I	EPA 8260	4.0	2.0		03/28/14 15:33	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		03/28/14 15:33	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 15:33	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 15:33	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 15:33	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 15:33	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/28/14 15:33	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 15:33	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 15:33	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 15:33	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/28/14 15:33	1
Chloroform	ug/L	0.3 I	EPA 8260	0.8	0.2		03/28/14 15:33	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/28/14 15:33	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/28/14 15:33	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 15:33	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 15:33	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 15:33	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		03/28/14 15:33	1

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-7 2340**
Matrix	**Groundwater**
SAL Sample Number	**1403170-01**
Date/Time Collected	**03/25/14 09:50**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/26/14 15:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 15:33	1
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 15:33	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		03/28/14 15:33	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 15:33	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/28/14 15:33	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 15:33	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 15:33	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		03/28/14 15:33	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 15:33	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 15:33	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		03/28/14 15:33	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		03/28/14 15:33	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		03/28/14 15:33	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 15:33	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 15:33	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*103 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*101 %*	*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	0.0053 U	EPA 8011	0.021	0.0053	03/28/14 12:30	03/29/14 05:54	1
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	03/28/14 12:30	03/29/14 05:54	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	04/11/14 10:54	04/11/14 12:43	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	03/31/14 17:00	04/02/14 11:39	1
Barium	ug/L	11	EPA 6020	0.50	0.18	03/31/14 17:00	04/02/14 11:39	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	03/31/14 16:45	04/02/14 12:26	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	03/31/14 17:00	04/02/14 11:39	1
Chromium	ug/L	4.2 I	EPA 6020	5.0	0.35	03/31/14 17:00	04/03/14 11:14	1
Cobalt	ug/L	10 U	EPA 6010	100	10	03/31/14 16:45	04/02/14 12:26	1
Copper	ug/L	0.63	EPA 6020	0.50	0.13	03/31/14 17:00	04/02/14 11:39	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	03/31/14 17:00	04/02/14 11:39	1

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-7 2340**
Matrix	**Groundwater**
SAL Sample Number	**1403170-01**
Date/Time Collected	**03/25/14 09:50**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/26/14 15:00**

Parameters	Units	Results *		Method	PQL	MDL	Prepared	Analyzed	Dilution
Nickel	ug/L	2.6	I	EPA 6020	5.0	0.46	03/31/14 17:00	04/02/14 11:39	1
Selenium	ug/L	0.93	U	EPA 6020	5.0	0.93	04/11/14 10:54	04/11/14 12:43	1
Silver	ug/L	1.1	U	EPA 6010	20	1.1	03/31/14 16:45	04/02/14 17:57	1
Thallium	ug/L	0.24	U	EPA 6020	0.50	0.24	03/31/14 17:00	04/02/14 11:39	1
Vanadium	ug/L	7.8	U	EPA 6010	10	7.8	03/31/14 16:45	04/02/14 12:26	1
Zinc	ug/L	1.0	I	EPA 6020	5.0	0.88	03/31/14 17:00	04/03/14 11:14	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Test Site ID #: 2344

Well Name: 2MW-8

Classification of Groundwater: Surficial

Groundwater Elevation (NGVD): DRY

Site: West Pasco Class III Sanitary Landfill

Sampling Date/Time: 03/25/2014 @ 11:05

Report Period: 2014 Quarter I

Well Purged: YES

Well Type: PZ

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000620	Nitrate	Well Wizard Ded. Mon. System	No	SM 4500NO_3F		DRY	mg/L	0.03	mg/L
000929	Sodium	"	No	EPA 200.7		"	mg/L	0.19	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: 03/25/2014 @ 11:51

Well Name: 4MW-8

Report Period: 2014 Quarter I

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 28.30

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	03/26/14 11:00	0.15	mg/L	0.03	mg/L
000929	Sodium	"	No	EPA 200.7	03/26/14 11:00	4.52	mg/L	0.19	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/25/14 11:51	0.0	NTU	0.00	NTU
00940	Chloride	"	No	EPA 300.0	03/26/14 8:00	12.7	mg/L	0.10	mg/L
001045	Iron	"	No	EPA 200.7	03/26/14 11:00	1.6 U	ug/L	1.6	ug/L
00400	pH-Field	"	No	FDEP FT 11	03/25/14 11:51	8.07	std. units	0.10	std. units
070300	TDS	"	No	SM 2540C	03/27/14 11:40	178	mg/L	0.1	mg/L
000344	Dissolved Oxy. (Field)	"	No	FDEP FT 15	03/25/14 11:51	0.49	mg/L	0.1	mg/L
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/25/14 11:51	280	umhos/cm	1	umhos/cm
000010	Temp. (Field)	"	No	FDEP FT 14	03/25/14 11:51	22.90	deg. C	0.00	deg. C
071900	Mercury	"	No	SM 3112B	03/27/14 10:30	0.03 U	ug/L	0.03	ug/L
000610	Ammonia	"	No	SM 4500NH_3H	03/28/14 12:00	0.03 U	mg/L	0.03	mg/L
900216	Color by Obs. (Field)	"	No	SM 2120B	03/25/14 11:51	CLEAR	Obs.	0	Obs.
072020	Water Level	"	No	DEP-SOP	03/25/14 11:51	28.3	Feet NGVD	0	Feet NGVD

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-8 2341**
Matrix	**Groundwater**
SAL Sample Number	**1403170-03**
Date/Time Collected	**03/25/14 11:51**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/26/14 15:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Client Provided Field Data								
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:37	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:37	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:37	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:37	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:37	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:37	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/28/14 16:37	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 16:37	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 16:37	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:37	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:37	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/28/14 16:37	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		03/28/14 16:37	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		03/28/14 16:37	1
Acetone	ug/L	2.7 I	EPA 8260	4.0	2.0		03/28/14 16:37	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		03/28/14 16:37	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 16:37	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 16:37	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:37	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:37	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/28/14 16:37	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:37	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:37	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 16:37	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/28/14 16:37	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:37	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/28/14 16:37	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/28/14 16:37	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:37	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 16:37	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:37	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		03/28/14 16:37	1

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-8 2341**
Matrix	**Groundwater**
SAL Sample Number	**1403170-03**
Date/Time Collected	**03/25/14 11:51**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/26/14 15:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:37	1
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:37	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		03/28/14 16:37	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 16:37	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/28/14 16:37	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:37	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 16:37	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		03/28/14 16:37	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:37	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:37	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		03/28/14 16:37	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		03/28/14 16:37	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		03/28/14 16:37	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:37	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 16:37	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*		*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	03/28/14 12:30	03/29/14 06:38	1
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	03/28/14 12:30	03/29/14 06:38	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*112 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	04/11/14 10:54	04/11/14 12:48	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	03/31/14 17:00	04/02/14 12:06	1
Barium	ug/L	5.6	EPA 6020	0.50	0.18	03/31/14 17:00	04/02/14 12:06	1
Beryllium	ug/L	0.096 I	EPA 6010	1.0	0.096	03/31/14 16:45	04/02/14 12:49	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	03/31/14 17:00	04/02/14 12:06	1
Chromium	ug/L	6.0	EPA 6020	5.0	0.35	03/31/14 17:00	04/03/14 11:23	1
Cobalt	ug/L	10 U	EPA 6010	100	10	03/31/14 16:45	04/02/14 12:49	1
Copper	ug/L	0.60	EPA 6020	0.50	0.13	03/31/14 17:00	04/02/14 12:06	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	03/31/14 17:00	04/02/14 12:06	1

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-8 2341**
Matrix	**Groundwater**
SAL Sample Number	**1403170-03**
Date/Time Collected	**03/25/14 11:51**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/26/14 15:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Nickel	ug/L	1.4 I	EPA 6020	5.0	0.46	03/31/14 17:00	04/02/14 12:06	1
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	04/11/14 10:54	04/11/14 12:48	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	03/31/14 16:45	04/02/14 18:04	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	03/31/14 17:00	04/02/14 12:06	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	03/31/14 16:45	04/02/14 12:49	1
Zinc	ug/L	3.0 I	EPA 6020	5.0	0.88	03/31/14 17:00	04/03/14 11:23	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Test Site ID #: 2345

Well Name: 2MW-9

Classification of Groundwater: Surficial

Groundwater Elevation (NGVD): DRY

Site: West Pasco Class III Sanitary Landfill

Sampling Date/Time: 03/25/2014 @ 09:55

Report Period: 2014 Quarter I

Well Purged: YES

Well Type: PZ

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000620	Nitrate	Well Wizard Ded. Mon. System	No	SM 4500NO_3F		DRY	mg/L	0.03	mg/L
000929	Sodium	"	No	EPA 200.7		"	mg/L	0.19	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: 03/25/2014 @ 10:59

Well Name: 4MW-9

Report Period: 2014 Quarter I

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 26.81

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	03/26/14 11:00	0.26	mg/L	0.03	mg/L
000929	Sodium	"	No	EPA 200.7	03/26/14 11:00	7.80	mg/L	0.19	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/25/14 10:59	0.0	NTU	0.00	NTU
00940	Chloride	"	No	EPA 300.0	03/26/14 8:00	27.4	mg/L	0.10	mg/L
001045	Iron	"	No	EPA 200.7	03/26/14 11:00	4.4	ug/L	1.6	ug/L
00400	pH-Field	"	No	FDEP FT 11	03/25/14 10:59	7.84	std. units	0.10	std. units
070300	TDS	"	No	SM 2540C	03/27/14 11:40	246	mg/L	0.1	mg/L
000344	Dissolved Oxy. (Field)	"	No	FDEP FT 15	03/25/14 10:59	0.60	mg/L	0.1	mg/L
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/25/14 10:59	374	umhos/cm	1	umhos/cm
000010	Temp. (Field)	"	No	FDEP FT 14	03/25/14 10:59	23.24	deg. C	0.00	deg. C
071900	Mercury	"	No	SM 3112B	03/27/14 10:30	0.03 U	ug/L	0.03	ug/L
000610	Ammonia	"	No	SM 4500NH_3H	03/28/14 12:00	0.03 U	mg/L	0.03	mg/L
900216	Color by Obs. (Field)	"	No	SM 2120B	03/25/14 10:59	CLEAR	Obs.	0	Obs.
072020	Water Level	"	No	DEP-SOP	03/25/14 10:59	26.81	Feet NGVD	0	Feet NGVD

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-9 2342**
Matrix	**Groundwater**
SAL Sample Number	**1403170-02**
Date/Time Collected	**03/25/14 10:59**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/26/14 15:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Client Provided Field Data								
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:05	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:05	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:05	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:05	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:05	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:05	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/28/14 16:05	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 16:05	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 16:05	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:05	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:05	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/28/14 16:05	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		03/28/14 16:05	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		03/28/14 16:05	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/28/14 16:05	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		03/28/14 16:05	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 16:05	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 16:05	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:05	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:05	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/28/14 16:05	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:05	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:05	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 16:05	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/28/14 16:05	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:05	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/28/14 16:05	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/28/14 16:05	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:05	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 16:05	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:05	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		03/28/14 16:05	1

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-9 2342**
Matrix	**Groundwater**
SAL Sample Number	**1403170-02**
Date/Time Collected	**03/25/14 10:59**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/26/14 15:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:05	1
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:05	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		03/28/14 16:05	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 16:05	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/28/14 16:05	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:05	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 16:05	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		03/28/14 16:05	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:05	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:05	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		03/28/14 16:05	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		03/28/14 16:05	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		03/28/14 16:05	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 16:05	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 16:05	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*		*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	03/28/14 12:30	03/29/14 06:16	1
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	03/28/14 12:30	03/29/14 06:16	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*117 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	04/11/14 10:54	04/11/14 12:45	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	03/31/14 17:00	04/02/14 11:43	1
Barium	ug/L	6.5	EPA 6020	0.50	0.18	03/31/14 17:00	04/02/14 11:43	1
Beryllium	ug/L	0.12 I	EPA 6010	1.0	0.096	03/31/14 16:45	04/02/14 12:45	1
Cadmium	ug/L	0.28 I	EPA 6020	0.50	0.27	03/31/14 17:00	04/02/14 11:43	1
Chromium	ug/L	3.4 I	EPA 6020	5.0	0.35	03/31/14 17:00	04/03/14 11:19	1
Cobalt	ug/L	10 U	EPA 6010	100	10	03/31/14 16:45	04/02/14 12:45	1
Copper	ug/L	0.69	EPA 6020	0.50	0.13	03/31/14 17:00	04/02/14 11:43	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	03/31/14 17:00	04/02/14 11:43	1

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-9 2342**
Matrix	**Groundwater**
SAL Sample Number	**1403170-02**
Date/Time Collected	**03/25/14 10:59**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/26/14 15:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Nickel	ug/L	2.7 I	EPA 6020	5.0	0.46	03/31/14 17:00	04/02/14 11:43	1
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	04/11/14 10:54	04/11/14 12:45	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	03/31/14 16:45	04/02/14 18:01	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	03/31/14 17:00	04/02/14 11:43	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	03/31/14 16:45	04/02/14 12:45	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	03/31/14 17:00	04/03/14 11:19	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: West Pasco Class III Sanitary Landfill

Test Site ID #: 2346

Sampling Date/Time: 03/25/2014 @ 11:00

Well Name: 2MW-10

Report Period: 2014 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	0.03	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

Test Site ID #: 2381

Well Name: 2MW-1

Classification of Groundwater: Surficial

Groundwater Elevation (NGVD): DRY

Site: Resource Recovery Class I Landfill Hays Road

Sampling Date/Time: 03/26/2014 @

Report Period: 2014 Quarter I

Well Purged: YES

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	0.03	mg/L
072020	Water Level (MSL)	"	No	DEP-SOP		"	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Test Site ID #: 2386

Well Name: 4MW-1

Classification of Groundwater: Floridan

Groundwater Elevation (NGVD): 33.67

Site: Resource Recovery Class I Landfill Hays Road

Sampling Date/Time: 03/31/2014 @ 9:19

Report Period: 2014 Quarter I

Well Purged: YES

Well Type: BG

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	04/02/14 12:00	42.4	mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7	04/02/14 12:00	9.9	ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B	04/17/14 11:00	0.03 U	ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/31/14 9:19	7.02	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/31/14 9:19	20.11	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/31/14 9:19	623	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/31/14 9:19	1.14	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/31/14 9:19	0.0	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	04/08/14 8:00	99.3	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	04/02/14 13:50	416	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/01/14 7:30	0.03 U	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	04/02/14 7:30	0.59	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		03/31/14 9:19	33.67	Feet NGVD		Feet NGVD

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-1 2386**
Matrix	**Groundwater**
SAL Sample Number	**1403170-17**
Date/Time Collected	**03/31/14 09:19**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Client Provided Field Data								
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:41	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:41	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:41	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:41	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:41	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:41	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/04/14 21:41	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 21:41	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 21:41	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:41	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:41	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/04/14 21:41	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/04/14 21:41	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/04/14 21:41	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/04/14 21:41	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/04/14 21:41	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 21:41	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 21:41	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:41	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:41	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/04/14 21:41	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:41	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:41	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 21:41	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 21:41	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:41	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 21:41	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/04/14 21:41	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:41	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 21:41	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:41	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/04/14 21:41	1

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-1 2386**
Matrix	**Groundwater**
SAL Sample Number	**1403170-17**
Date/Time Collected	**03/31/14 09:19**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:41	1
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:41	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		04/04/14 21:41	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 21:41	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/04/14 21:41	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:41	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 21:41	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		04/04/14 21:41	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:41	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:41	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 21:41	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		04/04/14 21:41	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		04/04/14 21:41	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:41	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 21:41	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*102 %*	*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*		*98 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0054 U	EPA 8011	0.022	0.0054	04/04/14 11:18	04/05/14 05:33	1
1,2-Dibromoethane	ug/L	0.0054 U	EPA 8011	0.022	0.0054	04/04/14 11:18	04/05/14 05:33	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	04/11/14 10:54	04/11/14 13:47	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	04/03/14 10:27	04/04/14 12:11	1
Barium	ug/L	29	EPA 6020	0.50	0.18	04/03/14 10:27	04/04/14 12:11	1
Beryllium	ug/L	0.60 I	EPA 6010	1.0	0.096	04/03/14 10:06	04/04/14 15:27	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	04/03/14 10:27	04/04/14 12:11	1
Chromium	ug/L	8.6	EPA 6020	5.0	0.35	04/03/14 10:27	04/04/14 15:40	1
Cobalt	ug/L	10 U	EPA 6010	100	10	04/03/14 10:06	04/04/14 15:27	1
Copper	ug/L	0.44 I	EPA 6020	0.50	0.13	04/03/14 10:27	04/04/14 12:11	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	04/03/14 10:27	04/04/14 12:11	1

Pasco County Environmental Laboratory
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April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-1 2386**
Matrix	**Groundwater**
SAL Sample Number	**1403170-17**
Date/Time Collected	**03/31/14 09:19**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Nickel	ug/L	6.2	EPA 6020	5.0	0.46	04/03/14 10:27	04/04/14 12:11	1
Selenium	ug/L	2.3 I	EPA 6020	5.0	0.93	04/11/14 10:54	04/11/14 13:47	1
Silver	ug/L	4.6 I	EPA 6010	20	1.1	04/03/14 10:06	04/04/14 15:27	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	04/03/14 10:27	04/04/14 12:11	1
Vanadium	ug/L	9.8 I	EPA 6010	10	7.8	04/03/14 10:06	04/04/14 15:27	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	04/03/14 10:27	04/04/14 15:40	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Test Site ID #: 2382

Well Name: 2MW-2

Classification of Groundwater: Surficial

Groundwater Elevation (NGVD): 31.86

Site: Resource Recovery Class I Landfill Hays Road

Sampling Date/Time: 03/28/2014 @ 10:12

Report Period: 2014 Quarter I

Well Purged: YES

Well Type: BG

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	04/01/14 10:00	3.86	mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7	04/01/14 10:00	113	ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B	04/02/14 11:00	0.1	ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/28/14 10:12	5.96	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/28/14 10:12	22.11	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/28/14 10:12	94	μmhos/cm	1	μmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/28/14 10:12	3.28	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/28/14 10:12	0.0	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	04/08/14 8:00	6.92	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	04/02/14 13:50	90	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/01/14 7:30	0.03 U	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	04/02/14 7:30	5.14	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		03/28/14 10:12	31.86	Feet NGVD		Feet NGVD

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**2MW-2 2382**
Matrix	**Groundwater**
SAL Sample Number	**1403170-09**
Date/Time Collected	**03/28/14 10:12**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *		Method	PQL	MDL	Prepared	Analyzed	Dilution
Client Provided Field Data									
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	ug/L	0.2	U	EPA 8260	0.8	0.2		04/04/14 17:23	1
1,1,1-Trichloroethane	ug/L	0.2	U	EPA 8260	0.8	0.2		04/04/14 17:23	1
1,1,2,2-Tetrachloroethane	ug/L	0.2	U	EPA 8260	0.8	0.2		04/04/14 17:23	1
1,1,2-Trichloroethane	ug/L	0.2	U	EPA 8260	0.8	0.2		04/04/14 17:23	1
1,1-Dichloroethane	ug/L	0.2	U	EPA 8260	0.8	0.2		04/04/14 17:23	1
1,1-Dichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		04/04/14 17:23	1
1,2,3-Trichloropropane	ug/L	0.4	U	EPA 8260	0.8	0.4		04/04/14 17:23	1
1,2-Dichlorobenzene	ug/L	0.1	U	EPA 8260	0.8	0.1		04/04/14 17:23	1
1,2-Dichloroethane	ug/L	0.1	U	EPA 8260	0.8	0.1		04/04/14 17:23	1
1,2-Dichloropropane	ug/L	0.2	U	EPA 8260	0.8	0.2		04/04/14 17:23	1
1,4-Dichlorobenzene	ug/L	0.2	U	EPA 8260	0.8	0.2		04/04/14 17:23	1
2-Butanone	ug/L	2.0	U	EPA 8260	4.0	2.0		04/04/14 17:23	1
2-Hexanone	ug/L	2.1	U	EPA 8260	4.0	2.1		04/04/14 17:23	1
4-Methyl-2-pentanone	ug/L	2.6	U	EPA 8260	4.0	2.6		04/04/14 17:23	1
Acetone	ug/L	4.6		EPA 8260	4.0	2.0		04/04/14 17:23	1
Acrylonitrile	ug/L	1.3	U	EPA 8260	4.0	1.3		04/04/14 17:23	1
Benzene	ug/L	0.1	U	EPA 8260	0.8	0.1		04/04/14 17:23	1
Bromochloromethane	ug/L	0.1	U	EPA 8260	0.8	0.1		04/04/14 17:23	1
Bromodichloromethane	ug/L	0.2	U	EPA 8260	0.8	0.2		04/04/14 17:23	1
Bromoform	ug/L	0.2	U	EPA 8260	0.8	0.2		04/04/14 17:23	1
Bromomethane	ug/L	0.4	U	EPA 8260	0.8	0.4		04/04/14 17:23	1
Carbon disulfide	ug/L	0.2	U	EPA 8260	0.8	0.2		04/04/14 17:23	1
Carbon tetrachloride	ug/L	0.2	U	EPA 8260	0.8	0.2		04/04/14 17:23	1
Chlorobenzene	ug/L	0.1	U	EPA 8260	0.8	0.1		04/04/14 17:23	1
Chloroethane	ug/L	0.4	U	EPA 8260	1.6	0.4		04/04/14 17:23	1
Chloroform	ug/L	0.2	U	EPA 8260	0.8	0.2		04/04/14 17:23	1
Chloromethane	ug/L	0.4	U	EPA 8260	1.6	0.4		04/04/14 17:23	1
cis-1,2-Dichloroethene	ug/L	0.09	U	EPA 8260	0.8	0.09		04/04/14 17:23	1
cis-1,3-Dichloropropene	ug/L	0.2	U	EPA 8260	0.8	0.2		04/04/14 17:23	1
Dibromochloromethane	ug/L	0.1	U	EPA 8260	0.8	0.1		04/04/14 17:23	1
Dibromomethane	ug/L	0.2	U	EPA 8260	0.8	0.2		04/04/14 17:23	1
Ethylbenzene	ug/L	0.08	U	EPA 8260	0.8	0.08		04/04/14 17:23	1

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-2 2382**
Matrix	**Groundwater**
SAL Sample Number	**1403170-09**
Date/Time Collected	**03/28/14 10:12**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	**Units**	**Results ***	**Method**	**PQL**	**MDL**	**Prepared**	**Analyzed**	**Dilution**
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 17:23	1
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 17:23	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		04/04/14 17:23	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 17:23	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/04/14 17:23	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 17:23	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 17:23	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		04/04/14 17:23	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 17:23	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 17:23	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 17:23	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		04/04/14 17:23	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		04/04/14 17:23	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 17:23	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 17:23	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*100 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*97 %*	*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	0.0054 U	EPA 8011	0.022	0.0054	04/04/14 11:18	04/05/14 02:37	1
1,2-Dibromoethane	ug/L	0.0054 U	EPA 8011	0.022	0.0054	04/04/14 11:18	04/05/14 02:37	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	04/11/14 10:54	04/11/14 13:15	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	04/03/14 10:27	04/04/14 11:11	1
Barium	ug/L	47	EPA 6020	0.50	0.18	04/03/14 10:27	04/04/14 11:11	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	04/03/14 10:06	04/04/14 14:40	1
Cadmium	ug/L	0.78	EPA 6020	0.50	0.27	04/03/14 10:27	04/04/14 11:11	1
Chromium	ug/L	0.40 I	EPA 6020	5.0	0.35	04/03/14 10:27	04/04/14 14:54	1
Cobalt	ug/L	10 U	EPA 6010	100	10	04/03/14 10:06	04/04/14 14:40	1
Copper	ug/L	3.7	EPA 6020	0.50	0.13	04/03/14 10:27	04/04/14 11:11	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	04/03/14 10:27	04/04/14 11:11	1

Pasco County Environmental Laboratory
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April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**2MW-2 2382**
Matrix	**Groundwater**
SAL Sample Number	**1403170-09**
Date/Time Collected	**03/28/14 10:12**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Nickel	ug/L	0.80 I	EPA 6020	5.0	0.46	04/03/14 10:27	04/04/14 11:11	1
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	04/11/14 10:54	04/11/14 13:15	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	04/03/14 10:06	04/04/14 14:40	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	04/03/14 10:27	04/04/14 11:11	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	04/03/14 10:06	04/04/14 14:40	1
Zinc	ug/L	10	EPA 6020	5.0	0.88	04/03/14 10:27	04/04/14 14:54	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2387

Sampling Date/Time: 03/28/2014 @ 10:23

Well Name: 4MW-2

Report Period: 2014 Quarter I

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 31.37

Well Type: BG

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	04/01/14 10:00	2.71	mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7	04/01/14 10:00	5.9 I	ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B	04/02/14 11:00	0.03 U	ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/28/14 10:23	6.15	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/28/14 10:23	23.26	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/28/14 10:23	181	μmhos/cm	1	μmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/28/14 10:23	1.31	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/28/14 10:23	0.0	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	04/08/14 8:00	6.05	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	04/02/14 13:50	116	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/01/14 7:30	0.03 U	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	04/02/14 7:30	1.86	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		03/28/14 10:23	31.37	Feet NGVD		Feet NGVD

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April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-2 2387**
Matrix	**Groundwater**
SAL Sample Number	**1403170-10**
Date/Time Collected	**03/28/14 10:23**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *		Method	PQL	MDL	Prepared	Analyzed	Dilution
Client Provided Field Data									
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	ug/L	0.2	U	EPA 8260	0.8	0.2		04/04/14 17:56	1
1,1,1-Trichloroethane	ug/L	0.2	U	EPA 8260	0.8	0.2		04/04/14 17:56	1
1,1,2,2-Tetrachloroethane	ug/L	0.2	U	EPA 8260	0.8	0.2		04/04/14 17:56	1
1,1,2-Trichloroethane	ug/L	0.2	U	EPA 8260	0.8	0.2		04/04/14 17:56	1
1,1-Dichloroethane	ug/L	0.2	U	EPA 8260	0.8	0.2		04/04/14 17:56	1
1,1-Dichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		04/04/14 17:56	1
1,2,3-Trichloropropane	ug/L	0.4	U	EPA 8260	0.8	0.4		04/04/14 17:56	1
1,2-Dichlorobenzene	ug/L	0.1	U	EPA 8260	0.8	0.1		04/04/14 17:56	1
1,2-Dichloroethane	ug/L	0.1	U	EPA 8260	0.8	0.1		04/04/14 17:56	1
1,2-Dichloropropane	ug/L	0.2	U	EPA 8260	0.8	0.2		04/04/14 17:56	1
1,4-Dichlorobenzene	ug/L	0.2	U	EPA 8260	0.8	0.2		04/04/14 17:56	1
2-Butanone	ug/L	2.0	U	EPA 8260	4.0	2.0		04/04/14 17:56	1
2-Hexanone	ug/L	2.1	U	EPA 8260	4.0	2.1		04/04/14 17:56	1
4-Methyl-2-pentanone	ug/L	2.6	U	EPA 8260	4.0	2.6		04/04/14 17:56	1
Acetone	ug/L	2.0	U	EPA 8260	4.0	2.0		04/04/14 17:56	1
Acrylonitrile	ug/L	1.3	U	EPA 8260	4.0	1.3		04/04/14 17:56	1
Benzene	ug/L	0.1	U	EPA 8260	0.8	0.1		04/04/14 17:56	1
Bromochloromethane	ug/L	0.1	U	EPA 8260	0.8	0.1		04/04/14 17:56	1
Bromodichloromethane	ug/L	0.2	U	EPA 8260	0.8	0.2		04/04/14 17:56	1
Bromoform	ug/L	0.2	U	EPA 8260	0.8	0.2		04/04/14 17:56	1
Bromomethane	ug/L	0.4	U	EPA 8260	0.8	0.4		04/04/14 17:56	1
Carbon disulfide	ug/L	0.2	U	EPA 8260	0.8	0.2		04/04/14 17:56	1
Carbon tetrachloride	ug/L	0.2	U	EPA 8260	0.8	0.2		04/04/14 17:56	1
Chlorobenzene	ug/L	0.1	U	EPA 8260	0.8	0.1		04/04/14 17:56	1
Chloroethane	ug/L	0.4	U	EPA 8260	1.6	0.4		04/04/14 17:56	1
Chloroform	ug/L	0.2	U	EPA 8260	0.8	0.2		04/04/14 17:56	1
Chloromethane	ug/L	0.4	U	EPA 8260	1.6	0.4		04/04/14 17:56	1
cis-1,2-Dichloroethene	ug/L	0.09	U	EPA 8260	0.8	0.09		04/04/14 17:56	1
cis-1,3-Dichloropropene	ug/L	0.2	U	EPA 8260	0.8	0.2		04/04/14 17:56	1
Dibromochloromethane	ug/L	0.1	U	EPA 8260	0.8	0.1		04/04/14 17:56	1
Dibromomethane	ug/L	0.2	U	EPA 8260	0.8	0.2		04/04/14 17:56	1
Ethylbenzene	ug/L	0.08	U	EPA 8260	0.8	0.08		04/04/14 17:56	1

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-2 2387**
Matrix	**Groundwater**
SAL Sample Number	**1403170-10**
Date/Time Collected	**03/28/14 10:23**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 17:56	1
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 17:56	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		04/04/14 17:56	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 17:56	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/04/14 17:56	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 17:56	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 17:56	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		04/04/14 17:56	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 17:56	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 17:56	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 17:56	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		04/04/14 17:56	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		04/04/14 17:56	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 17:56	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 17:56	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*103 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*99 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*		*101 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*		*97 %*	*Limits*	*65-135*			

Pesticide Analyses

1,2-Dibromo-3-chloropropane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	04/04/14 11:18	04/05/14 03:00	1
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	04/04/14 11:18	04/05/14 03:00	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	04/11/14 10:54	04/11/14 13:18	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	04/03/14 10:27	04/04/14 11:15	1
Barium	ug/L	6.9	EPA 6020	0.50	0.18	04/03/14 10:27	04/04/14 11:15	1
Beryllium	ug/L	0.69 I	EPA 6010	1.0	0.096	04/03/14 10:06	04/04/14 14:51	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	04/03/14 10:27	04/04/14 11:15	1
Chromium	ug/L	4.1 I	EPA 6020	5.0	0.35	04/03/14 10:27	04/04/14 14:58	1
Cobalt	ug/L	10 U	EPA 6010	100	10	04/03/14 10:06	04/04/14 14:51	1
Copper	ug/L	0.35 I	EPA 6020	0.50	0.13	04/03/14 10:27	04/04/14 11:15	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	04/03/14 10:27	04/04/14 11:15	1

Pasco County Environmental Laboratory
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New Port Richey, FL 34654

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-2 2387**
Matrix	**Groundwater**
SAL Sample Number	**1403170-10**
Date/Time Collected	**03/28/14 10:23**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Nickel	ug/L	1.0 I	EPA 6020	5.0	0.46	04/03/14 10:27	04/04/14 11:15	1
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	04/11/14 10:54	04/11/14 13:18	1
Silver	ug/L	3.2 I	EPA 6010	20	1.1	04/03/14 10:06	04/04/14 14:51	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	04/03/14 10:27	04/04/14 11:15	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	04/03/14 10:06	04/04/14 14:51	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	04/03/14 10:27	04/04/14 14:58	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Test Site ID #: 2383

Well Name: 2MW-4

Classification of Groundwater: Surficial

Groundwater Elevation (NGVD): DRY

Site: Resource Recovery Class I Landfill Hays Road

Sampling Date/Time: 03/26/2014 @ 08:28

Report Period: 2014 Quarter I

Well Purged: YES

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	0.03	mg/L
072020	Water Level (MSL)	"	No			"	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Test Site ID #: 2388

Well Name: 4MW-4

Classification of Groundwater: Floridan

Groundwater Elevation (NGVD): 24.75

Site: Resource Recovery Class I Landfill Hays Road

Sampling Date/Time: 03/28/2014 @ 12:37

Report Period: 2014 Quarter I

Well Purged: YES

Well Type: CO

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	04/01/14 10:00	5.56	mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7	04/01/14 10:00	58.0	ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B	04/02/14 11:00	0.03 U	ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/28/14 12:37	6.94	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/28/14 12:37	26.82	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/28/14 12:37	310	μmhos/cm	1	μmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/28/14 12:37	1.09	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/28/14 12:37	0.0	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	04/08/14 8:00	18.6	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	04/02/14 13:50	246	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/01/14 7:30	0.03 U	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	04/02/14 7:30	0.2	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		03/28/14 12:37	24.75	Feet NGVD		Feet NGVD

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-4 2388**
Matrix	**Groundwater**
SAL Sample Number	**1403170-12**
Date/Time Collected	**03/28/14 12:37**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Client Provided Field Data								
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:00	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:00	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:00	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:00	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:00	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:00	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/04/14 19:00	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 19:00	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 19:00	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:00	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:00	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/04/14 19:00	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/04/14 19:00	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/04/14 19:00	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/04/14 19:00	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/04/14 19:00	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 19:00	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 19:00	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:00	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:00	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/04/14 19:00	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:00	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:00	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 19:00	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 19:00	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:00	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 19:00	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/04/14 19:00	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:00	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 19:00	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:00	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/04/14 19:00	1

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-4 2388**
Matrix	**Groundwater**
SAL Sample Number	**1403170-12**
Date/Time Collected	**03/28/14 12:37**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	**Units**	**Results ***	**Method**	**PQL**	**MDL**	**Prepared**	**Analyzed**	**Dilution**
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:00	1
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:00	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		04/04/14 19:00	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 19:00	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/04/14 19:00	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:00	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 19:00	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		04/04/14 19:00	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:00	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:00	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 19:00	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		04/04/14 19:00	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		04/04/14 19:00	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:00	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 19:00	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*104 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*98 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*		*100 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*		*96 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0054 U	EPA 8011	0.021	0.0054	04/04/14 11:18	04/05/14 03:44	1
1,2-Dibromoethane	ug/L	0.0054 U	EPA 8011	0.021	0.0054	04/04/14 11:18	04/05/14 03:44	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*97 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	04/11/14 10:54	04/11/14 13:23	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	04/03/14 10:27	04/04/14 11:48	1
Barium	ug/L	13	EPA 6020	0.50	0.18	04/03/14 10:27	04/04/14 11:48	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	04/03/14 10:06	04/04/14 15:00	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	04/03/14 10:27	04/04/14 11:48	1
Chromium	ug/L	10	EPA 6020	5.0	0.35	04/03/14 10:27	04/04/14 15:07	1
Cobalt	ug/L	10 U	EPA 6010	100	10	04/03/14 10:06	04/04/14 15:00	1
Copper	ug/L	0.17 I	EPA 6020	0.50	0.13	04/03/14 10:27	04/04/14 11:48	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	04/03/14 10:27	04/04/14 11:48	1

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-4 2388**
Matrix	**Groundwater**
SAL Sample Number	**1403170-12**
Date/Time Collected	**03/28/14 12:37**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Nickel	ug/L	2.3 I	EPA 6020	5.0	0.46	04/03/14 10:27	04/04/14 11:48	1
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	04/11/14 10:54	04/11/14 13:23	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	04/03/14 10:06	04/04/14 15:00	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	04/03/14 10:27	04/04/14 11:48	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	04/03/14 10:06	04/04/14 15:00	1
Zinc	ug/L	1.3 I	EPA 6020	5.0	0.88	04/03/14 10:27	04/04/14 15:07	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Test Site ID #: 2384

Well Name: 2MW-5

Classification of Groundwater: Surficial

Groundwater Elevation (NGVD): DRY

Site: Resource Recovery Class I Landfill Hays Road

Sampling Date/Time: 03/25/2014 @ 0850

Report Period: 2014 Quarter I

Well Purged: YES

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	0.03	mg/L
072020	Water Level (MSL)	"	No			"	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2389

Sampling Date/Time: 03/31/2014 @ 13:45

Well Name: 4MW-5

Report Period: 2014 Quarter I

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 25.76

Well Type: CO

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	04/02/14 12:00	23.8	mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7	04/02/14 12:00	10.8	ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B	04/17/14 11:00	0.03 U	ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/31/14 13:45	7.22	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/31/14 13:45	23.49	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/31/14 13:45	324	μmhos/cm	1	μmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/31/14 13:45	1.20	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/31/14 13:45	0.0	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	04/09/14 8:40	76.5	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	04/02/14 13:50	280	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/01/14 7:30	0.03 U	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	04/02/14 7:30	1.10	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		03/31/14 13:45	25.76	Feet NGVD		Feet NGVD

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-5 2389**
Matrix	**Groundwater**
SAL Sample Number	**1403170-25**
Date/Time Collected	**03/31/14 13:45**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Client Provided Field Data								
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:58	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:58	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:58	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:58	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:58	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:58	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/05/14 01:58	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 01:58	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 01:58	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:58	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:58	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/05/14 01:58	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/05/14 01:58	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/05/14 01:58	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/05/14 01:58	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/05/14 01:58	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 01:58	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 01:58	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:58	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:58	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/05/14 01:58	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:58	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:58	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 01:58	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/05/14 01:58	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:58	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/05/14 01:58	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/05/14 01:58	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:58	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 01:58	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:58	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/05/14 01:58	1

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-5 2389**
Matrix	**Groundwater**
SAL Sample Number	**1403170-25**
Date/Time Collected	**03/31/14 13:45**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:58	1
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:58	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		04/05/14 01:58	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 01:58	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/05/14 01:58	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:58	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 01:58	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		04/05/14 01:58	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:58	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:58	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		04/05/14 01:58	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		04/05/14 01:58	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		04/05/14 01:58	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:58	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 01:58	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*	*100 %*		*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*	*98 %*		*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*	*101 %*		*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*	*96 %*		*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	04/04/14 11:18	04/05/14 09:59	1
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	04/04/14 11:18	04/05/14 09:59	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	04/11/14 10:51	04/11/14 12:36	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	04/03/14 10:27	04/04/14 12:56	1
Barium	ug/L	5.1	EPA 6020	0.50	0.18	04/03/14 10:27	04/04/14 12:56	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	04/03/14 10:06	04/04/14 16:10	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	04/03/14 10:27	04/04/14 12:56	1
Chromium	ug/L	8.5	EPA 6020	5.0	0.35	04/03/14 10:27	04/04/14 16:26	1
Cobalt	ug/L	10 U	EPA 6010	100	10	04/03/14 10:06	04/04/14 16:10	1
Copper	ug/L	0.72	EPA 6020	0.50	0.13	04/03/14 10:27	04/04/14 12:56	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	04/03/14 10:27	04/04/14 12:56	1

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-5 2389**
Matrix	**Groundwater**
SAL Sample Number	**1403170-25**
Date/Time Collected	**03/31/14 13:45**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Nickel	ug/L	1.9 I	EPA 6020	5.0	0.46	04/03/14 10:27	04/04/14 12:56	1
Selenium	ug/L	2.3 I	EPA 6020	5.0	0.93	04/11/14 10:51	04/11/14 12:36	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	04/03/14 10:06	04/04/14 16:10	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	04/03/14 10:27	04/04/14 12:56	1
Vanadium	ug/L	26	EPA 6010	10	7.8	04/03/14 10:06	04/04/14 16:10	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	04/03/14 10:27	04/04/14 16:26	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2385

Sampling Date/Time: 03/25/2014 @ 08:25

Well Name: 2MW-6

Report Period: 2014 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	0.03	mg/L
072020	Water Level (MSL)	"	No			"	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2390

Sampling Date/Time: 03/28/2014 @ 11:53

Well Name: 4MW-6

Report Period: 2014 Quarter I

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 28.73

Well Type: BG

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	04/01/14 10:00	4.14	mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7	04/01/14 10:00	13.0	ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B	04/02/14 11:00	0.03 U	ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/28/14 11:53	7.16	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/28/14 11:53	27.51	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/28/14 11:53	124	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/28/14 11:53	2.21	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/28/14 11:53	0.0	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	04/08/14 8:00	5.39	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	04/02/14 13:50	56	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/01/14 7:30	0.03 U	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	04/02/14 7:30	1.45	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		03/28/14 11:53	28.73	Feet NGVD		Feet NGVD

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-6 2390**
Matrix	**Groundwater**
SAL Sample Number	**1403170-11**
Date/Time Collected	**03/28/14 11:53**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Client Provided Field Data								
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 18:28	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 18:28	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 18:28	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 18:28	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 18:28	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 18:28	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/04/14 18:28	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 18:28	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 18:28	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 18:28	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 18:28	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/04/14 18:28	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/04/14 18:28	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/04/14 18:28	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/04/14 18:28	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/04/14 18:28	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 18:28	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 18:28	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 18:28	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 18:28	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/04/14 18:28	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 18:28	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 18:28	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 18:28	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 18:28	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 18:28	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 18:28	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/04/14 18:28	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 18:28	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 18:28	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 18:28	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/04/14 18:28	1

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-6 2390**
Matrix	**Groundwater**
SAL Sample Number	**1403170-11**
Date/Time Collected	**03/28/14 11:53**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 18:28	1
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 18:28	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		04/04/14 18:28	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 18:28	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/04/14 18:28	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 18:28	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 18:28	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		04/04/14 18:28	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 18:28	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 18:28	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 18:28	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		04/04/14 18:28	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		04/04/14 18:28	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 18:28	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 18:28	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*100 %*	*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*		*98 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0054 U	EPA 8011	0.021	0.0054	04/04/14 11:18	04/05/14 03:22	1
1,2-Dibromoethane	ug/L	0.0054 U	EPA 8011	0.021	0.0054	04/04/14 11:18	04/05/14 03:22	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*104 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	04/11/14 10:54	04/11/14 13:20	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	04/03/14 10:27	04/04/14 11:24	1
Barium	ug/L	160	EPA 6020	0.50	0.18	04/03/14 10:27	04/04/14 11:24	1
Beryllium	ug/L	0.42 I	EPA 6010	1.0	0.096	04/03/14 10:06	04/04/14 14:54	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	04/03/14 10:27	04/04/14 11:24	1
Chromium	ug/L	7.2	EPA 6020	5.0	0.35	04/03/14 10:27	04/04/14 15:03	1
Cobalt	ug/L	10 U	EPA 6010	100	10	04/03/14 10:06	04/04/14 14:54	1
Copper	ug/L	2.1	EPA 6020	0.50	0.13	04/03/14 10:27	04/04/14 11:24	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	04/03/14 10:27	04/04/14 11:24	1

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-6 2390**
Matrix	**Groundwater**
SAL Sample Number	**1403170-11**
Date/Time Collected	**03/28/14 11:53**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Nickel	ug/L	0.92 I	EPA 6020	5.0	0.46	04/03/14 10:27	04/04/14 11:24	1
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	04/11/14 10:54	04/11/14 13:20	1
Silver	ug/L	3.6 I	EPA 6010	20	1.1	04/03/14 10:06	04/04/14 14:54	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	04/03/14 10:27	04/04/14 11:24	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	04/03/14 10:06	04/04/14 14:54	1
Zinc	ug/L	5.8	EPA 6020	5.0	0.88	04/03/14 10:27	04/04/14 15:03	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2510

Sampling Date/Time: 03/28/2014 @ 14:48

Well Name: 4MW-11D

Report Period: 2014 Quarter I

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 28.33

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	04/01/14 10:00	11.2	mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7	04/01/14 10:00	98.2	ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B	04/02/14 11:00	0.06 I	ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/28/14 14:48	6.88	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/28/14 14:48	25.02	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/28/14 14:48	299	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/28/14 14:48	1.98	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/28/14 14:48	16.5	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	04/08/14 8:00	54.0	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	04/02/14 13:50	306	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/01/14 7:30	0.03 U	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	04/02/14 7:30	0.96	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		03/28/14 14:48	28.33	Feet NGVD		Feet NGVD

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-11D 2510**
Matrix	**Groundwater**
SAL Sample Number	**1403170-16**
Date/Time Collected	**03/28/14 14:48**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Client Provided Field Data								
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:09	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:09	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:09	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:09	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:09	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:09	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/04/14 21:09	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 21:09	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 21:09	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:09	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:09	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/04/14 21:09	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/04/14 21:09	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/04/14 21:09	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/04/14 21:09	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/04/14 21:09	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 21:09	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 21:09	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:09	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:09	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/04/14 21:09	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:09	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:09	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 21:09	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 21:09	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:09	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 21:09	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/04/14 21:09	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:09	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 21:09	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:09	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/04/14 21:09	1

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-11D 2510**
Matrix	**Groundwater**
SAL Sample Number	**1403170-16**
Date/Time Collected	**03/28/14 14:48**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:09	1
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:09	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		04/04/14 21:09	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 21:09	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/04/14 21:09	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:09	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 21:09	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		04/04/14 21:09	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:09	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:09	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 21:09	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		04/04/14 21:09	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		04/04/14 21:09	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 21:09	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 21:09	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*100 %*	*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*		*101 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0055 U	EPA 8011	0.022	0.0055	04/04/14 11:18	04/05/14 05:12	1
1,2-Dibromoethane	ug/L	0.0055 U	EPA 8011	0.022	0.0055	04/04/14 11:18	04/05/14 05:12	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	04/11/14 10:54	04/11/14 13:45	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	04/03/14 10:27	04/04/14 12:06	1
Barium	ug/L	8.8	EPA 6020	0.50	0.18	04/03/14 10:27	04/04/14 12:06	1
Beryllium	ug/L	0.46 I	EPA 6010	1.0	0.096	04/03/14 10:06	04/04/14 15:23	1
Cadmium	ug/L	0.56	EPA 6020	0.50	0.27	04/03/14 10:27	04/04/14 12:06	1
Chromium	ug/L	6.8	EPA 6020	5.0	0.35	04/03/14 10:27	04/04/14 15:35	1
Cobalt	ug/L	10 U	EPA 6010	100	10	04/03/14 10:06	04/04/14 15:23	1
Copper	ug/L	3.1	EPA 6020	0.50	0.13	04/03/14 10:27	04/04/14 12:06	1
Lead	ug/L	0.34 I	EPA 6020	0.50	0.25	04/03/14 10:27	04/04/14 12:06	1

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-11D 2510**
Matrix	**Groundwater**
SAL Sample Number	**1403170-16**
Date/Time Collected	**03/28/14 14:48**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Nickel	ug/L	2.5 I	EPA 6020	5.0	0.46	04/03/14 10:27	04/04/14 12:06	1
Selenium	ug/L	3.5 I	EPA 6020	5.0	0.93	04/11/14 10:54	04/11/14 13:45	1
Silver	ug/L	3.9 I	EPA 6010	20	1.1	04/03/14 10:06	04/04/14 15:23	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	04/03/14 10:27	04/04/14 12:06	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	04/03/14 10:06	04/04/14 15:23	1
Zinc	ug/L	5.9	EPA 6020	5.0	0.88	04/03/14 10:27	04/04/14 15:35	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Test Site ID #: 2511

Well Name: 4MW-12D

Classification of Groundwater: Floridan

Groundwater Elevation (NGVD): 27.90

Site: Resource Recovery Class I Landfill Hays Road

Sampling Date/Time: 03/31/2014 @ 10:39

Report Period: 2014 Quarter I

Well Purged: YES

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	04/02/14 12:00	5.86	mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7	04/02/14 12:00	10.1	ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B	04/17/14 11:00	0.03 U	ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/31/14 10:39	7.22	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/31/14 10:39	24.55	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/31/14 10:39	390	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/31/14 10:39	0.97	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/31/14 10:39	0.0	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	04/08/14 8:00	29.9	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	04/02/14 13:50	302	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/01/14 7:30	0.03 U	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	04/02/14 7:30	0.44	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		03/31/14 10:39	27.90	Feet NGVD		Feet NGVD

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New Port Richey, FL 34654

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description **4MW-12D 2511**
Matrix **Groundwater**
SAL Sample Number **1403170-19**
Date/Time Collected **03/31/14 10:39**
Collected by **Wilfred Martfeld**
Date/Time Received **04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Client Provided Field Data								
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:45	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:45	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:45	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:45	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:45	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:45	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/04/14 22:45	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 22:45	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 22:45	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:45	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:45	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/04/14 22:45	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/04/14 22:45	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/04/14 22:45	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/04/14 22:45	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/04/14 22:45	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 22:45	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 22:45	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:45	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:45	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/04/14 22:45	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:45	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:45	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 22:45	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 22:45	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:45	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 22:45	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/04/14 22:45	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:45	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 22:45	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:45	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/04/14 22:45	1

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-12D 2511**
Matrix	**Groundwater**
SAL Sample Number	**1403170-19**
Date/Time Collected	**03/31/14 10:39**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:45	1
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:45	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		04/04/14 22:45	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 22:45	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/04/14 22:45	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:45	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 22:45	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		04/04/14 22:45	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:45	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:45	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 22:45	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		04/04/14 22:45	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		04/04/14 22:45	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:45	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 22:45	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*		*100 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*		*95 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	04/04/14 11:18	04/05/14 07:46	1
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	04/04/14 11:18	04/05/14 07:46	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	04/11/14 10:54	04/11/14 13:53	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	04/03/14 10:27	04/04/14 12:20	1
Barium	ug/L	7.8	EPA 6020	0.50	0.18	04/03/14 10:27	04/04/14 12:20	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	04/03/14 10:06	04/04/14 15:34	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	04/03/14 10:27	04/04/14 12:20	1
Chromium	ug/L	9.4	EPA 6020	5.0	0.35	04/03/14 10:27	04/04/14 15:49	1
Cobalt	ug/L	10 U	EPA 6010	100	10	04/03/14 10:06	04/04/14 15:34	1
Copper	ug/L	0.33 I	EPA 6020	0.50	0.13	04/03/14 10:27	04/04/14 12:20	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	04/03/14 10:27	04/04/14 12:20	1

Pasco County Environmental Laboratory
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New Port Richey, FL 34654

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-12D 2511**
Matrix	**Groundwater**
SAL Sample Number	**1403170-19**
Date/Time Collected	**03/31/14 10:39**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Nickel	ug/L	2.5 I	EPA 6020	5.0	0.46	04/03/14 10:27	04/04/14 12:20	1
Selenium	ug/L	1.1 I	EPA 6020	5.0	0.93	04/11/14 10:54	04/11/14 13:53	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	04/03/14 10:06	04/04/14 15:34	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	04/03/14 10:27	04/04/14 12:20	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	04/03/14 10:06	04/04/14 15:34	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	04/03/14 10:27	04/04/14 15:49	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2515

Sampling Date/Time: 03/25/2014 @ 15:33

Well Name: 2MW-13D

Report Period: 2014 Quarter III

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	0.03	mg/L
072020	Water Level (MSL)	"	No			"	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 19214

Sampling Date/Time: 03/31/2014 @ 10:55

Well Name: 4MW-13D

Report Period: 2014 Quarter I

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 27.43

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	04/02/14 12:00	10.4	mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7	04/02/14 12:00	58.3	ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B	04/17/14 11:00	0.03 U	ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/31/14 10:55	6.13	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/31/14 10:55	25.34	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/31/14 10:55	420	μmhos/cm	1	μmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/31/14 10:55	1.03	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/31/14 10:55	1.1	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	04/09/14 8:40	30.4	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	04/02/14 13:50	282	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/01/14 7:30	0.03 U	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	04/02/14 7:30	0.09	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		03/31/14 10:55	27.43	Feet NGVD		Feet NGVD

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-13D 19214**
Matrix	**Groundwater**
SAL Sample Number	**1403170-20**
Date/Time Collected	**03/31/14 10:55**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	**Units**	**Results ***	**Method**	**PQL**	**MDL**	**Prepared**	**Analyzed**	**Dilution**
Client Provided Field Data								
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:18	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:18	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:18	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:18	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:18	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:18	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/04/14 23:18	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 23:18	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 23:18	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:18	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:18	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/04/14 23:18	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/04/14 23:18	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/04/14 23:18	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/04/14 23:18	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/04/14 23:18	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 23:18	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 23:18	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:18	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:18	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/04/14 23:18	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:18	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:18	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 23:18	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 23:18	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:18	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 23:18	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/04/14 23:18	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:18	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 23:18	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:18	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/04/14 23:18	1

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-13D 19214**
Matrix	**Groundwater**
SAL Sample Number	**1403170-20**
Date/Time Collected	**03/31/14 10:55**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:18	1
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:18	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		04/04/14 23:18	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 23:18	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/04/14 23:18	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:18	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 23:18	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		04/04/14 23:18	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:18	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:18	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 23:18	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		04/04/14 23:18	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		04/04/14 23:18	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:18	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 23:18	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*105 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*97 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*		*102 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*		*96 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0054 U	EPA 8011	0.021	0.0054	04/04/14 11:18	04/05/14 08:08	1
1,2-Dibromoethane	ug/L	0.0054 U	EPA 8011	0.021	0.0054	04/04/14 11:18	04/05/14 08:08	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*91 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	04/11/14 10:54	04/11/14 13:55	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	04/03/14 10:27	04/04/14 12:24	1
Barium	ug/L	9.0	EPA 6020	0.50	0.18	04/03/14 10:27	04/04/14 12:24	1
Beryllium	ug/L	0.24 I	EPA 6010	1.0	0.096	04/03/14 10:06	04/04/14 15:37	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	04/03/14 10:27	04/04/14 12:24	1
Chromium	ug/L	9.3	EPA 6020	5.0	0.35	04/03/14 10:27	04/04/14 15:54	1
Cobalt	ug/L	10 U	EPA 6010	100	10	04/03/14 10:06	04/04/14 15:37	1
Copper	ug/L	0.13 U	EPA 6020	0.50	0.13	04/03/14 10:27	04/04/14 12:24	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	04/03/14 10:27	04/04/14 12:24	1

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April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-13D 19214**
Matrix	**Groundwater**
SAL Sample Number	**1403170-20**
Date/Time Collected	**03/31/14 10:55**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Nickel	ug/L	2.8 I	EPA 6020	5.0	0.46	04/03/14 10:27	04/04/14 12:24	1
Selenium	ug/L	1.5 I	EPA 6020	5.0	0.93	04/11/14 10:54	04/11/14 13:55	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	04/03/14 10:06	04/04/14 15:37	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	04/03/14 10:27	04/04/14 12:24	1
Vanadium	ug/L	9.0 I	EPA 6010	10	7.8	04/03/14 10:06	04/04/14 15:37	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	04/03/14 10:27	04/04/14 15:54	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2512

Sampling Date/Time: 03/31/2014 @ 11:47

Well Name: 4MW-14D

Report Period: 2014 Quarter I

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 28.39

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	04/02/14 12:00	12.5	mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7	04/02/14 12:00	13.8	ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B	04/17/14 11:00	0.03 U	ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/31/14 11:47	7.18	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/31/14 11:47	26.54	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/31/14 11:47	396	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/31/14 11:47	0.97	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/31/14 11:47	0.0	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	04/08/14 8:00	37.5	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	04/02/14 13:50	268	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/01/14 7:30	0.03 U	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	04/02/14 7:30	0.63	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		03/31/14 11:47	28.39	Feet NGVD		Feet NGVD

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April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-14D 2512**
Matrix	**Groundwater**
SAL Sample Number	**1403170-21**
Date/Time Collected	**03/31/14 11:47**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	**Units**	**Results ***	**Method**	**PQL**	**MDL**	**Prepared**	**Analyzed**	**Dilution**
Client Provided Field Data								
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:50	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:50	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:50	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:50	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:50	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:50	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/04/14 23:50	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 23:50	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 23:50	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:50	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:50	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/04/14 23:50	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/04/14 23:50	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/04/14 23:50	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/04/14 23:50	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/04/14 23:50	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 23:50	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 23:50	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:50	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:50	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/04/14 23:50	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:50	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:50	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 23:50	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 23:50	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:50	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 23:50	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/04/14 23:50	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:50	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 23:50	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:50	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/04/14 23:50	1

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-14D 2512**
Matrix	**Groundwater**
SAL Sample Number	**1403170-21**
Date/Time Collected	**03/31/14 11:47**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:50	1
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:50	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		04/04/14 23:50	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 23:50	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/04/14 23:50	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:50	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 23:50	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		04/04/14 23:50	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:50	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:50	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 23:50	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		04/04/14 23:50	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		04/04/14 23:50	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 23:50	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 23:50	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*101 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*98 %*	*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	0.0053 U	EPA 8011	0.021	0.0053	04/04/14 11:18	04/05/14 08:30	1
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	04/04/14 11:18	04/05/14 08:30	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	04/11/14 10:51	04/11/14 12:14	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	04/03/14 10:27	04/04/14 12:38	1
Barium	ug/L	11	EPA 6020	0.50	0.18	04/03/14 10:27	04/04/14 12:38	1
Beryllium	ug/L	0.53 I	EPA 6010	1.0	0.096	04/03/14 10:06	04/04/14 15:41	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	04/03/14 10:27	04/04/14 12:38	1
Chromium	ug/L	6.9	EPA 6020	5.0	0.35	04/03/14 10:27	04/04/14 15:58	1
Cobalt	ug/L	10 U	EPA 6010	100	10	04/03/14 10:06	04/04/14 15:41	1
Copper	ug/L	0.13 U	EPA 6020	0.50	0.13	04/03/14 10:27	04/04/14 12:38	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	04/03/14 10:27	04/04/14 12:38	1

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April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-14D 2512**
Matrix	**Groundwater**
SAL Sample Number	**1403170-21**
Date/Time Collected	**03/31/14 11:47**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Nickel	ug/L	2.3 I	EPA 6020	5.0	0.46	04/03/14 10:27	04/04/14 12:38	1
Selenium	ug/L	2.2 I	EPA 6020	5.0	0.93	04/11/14 10:51	04/11/14 12:14	1
Silver	ug/L	4.6 I	EPA 6010	20	1.1	04/03/14 10:06	04/04/14 15:41	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	04/03/14 10:27	04/04/14 12:38	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	04/03/14 10:06	04/04/14 15:41	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	04/03/14 10:27	04/04/14 15:58	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Test Site ID #: 19766

Well Name: 2MW-15DA

Classification of Groundwater:

Groundwater Elevation (NGVD): 31.51

Site: Resource Recovery Class I Landfill Hays Road

Sampling Date/Time: 3/31 @ 9:48

Report Period: 2014 Quarter I

Well Purged: YES

Well Type: BG

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	04/02/14 12:00	3.46	mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7	04/02/14 12:00	43.6	ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B	04/17/14 11:00	0.03 U	ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/31/14 9:48	7.19	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/31/14 9:48	21.89	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/31/14 9:48	278	μmhos/cm	1	μmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/31/14 9:48	1.05	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/31/14 9:48	2.1	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	04/08/14 8:00	7.42	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	04/02/14 13:50	170	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/01/14 7:30	0.04 I	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	04/02/14 7:30	0.60	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		03/31/14 9:48	31.51	Feet NGVD		Feet NGVD

Pasco County Environmental Laboratory
8864 Government Drive
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April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**2MW-15DA 19766**
Matrix	**Groundwater**
SAL Sample Number	**1403170-18**
Date/Time Collected	**03/31/14 09:48**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Client Provided Field Data								
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:13	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:13	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:13	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:13	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:13	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:13	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/04/14 22:13	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 22:13	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 22:13	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:13	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:13	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/04/14 22:13	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/04/14 22:13	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/04/14 22:13	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/04/14 22:13	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/04/14 22:13	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 22:13	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 22:13	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:13	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:13	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/04/14 22:13	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:13	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:13	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 22:13	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 22:13	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:13	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 22:13	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/04/14 22:13	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:13	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 22:13	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:13	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/04/14 22:13	1

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-15DA 19766**
Matrix	**Groundwater**
SAL Sample Number	**1403170-18**
Date/Time Collected	**03/31/14 09:48**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:13	1
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:13	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		04/04/14 22:13	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 22:13	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/04/14 22:13	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:13	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 22:13	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		04/04/14 22:13	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:13	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:13	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 22:13	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		04/04/14 22:13	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		04/04/14 22:13	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 22:13	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 22:13	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*104 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*99 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*		*101 %*	*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	0.021	0.0054	04/04/14 11:18	04/05/14 05:55	1
1,2-Dibromoethane	ug/L	0.0054 U	EPA 8011	0.021	0.0054	04/04/14 11:18	04/05/14 05:55	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	04/11/14 10:54	04/11/14 13:50	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	04/03/14 10:27	04/04/14 12:15	1
Barium	ug/L	10	EPA 6020	0.50	0.18	04/03/14 10:27	04/04/14 12:15	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	04/03/14 10:06	04/04/14 15:30	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	04/03/14 10:27	04/04/14 12:15	1
Chromium	ug/L	6.7	EPA 6020	5.0	0.35	04/03/14 10:27	04/04/14 15:44	1
Cobalt	ug/L	10 U	EPA 6010	100	10	04/03/14 10:06	04/04/14 15:30	1
Copper	ug/L	0.13 U	EPA 6020	0.50	0.13	04/03/14 10:27	04/04/14 12:15	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	04/03/14 10:27	04/04/14 12:15	1

Pasco County Environmental Laboratory
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April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**2MW-15DA 19766**
Matrix	**Groundwater**
SAL Sample Number	**1403170-18**
Date/Time Collected	**03/31/14 09:48**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Nickel	ug/L	1.6 I	EPA 6020	5.0	0.46	04/03/14 10:27	04/04/14 12:15	1
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	04/11/14 10:54	04/11/14 13:50	1
Silver	ug/L	1.7 I	EPA 6010	20	1.1	04/03/14 10:06	04/04/14 15:30	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	04/03/14 10:27	04/04/14 12:15	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	04/03/14 10:06	04/04/14 15:30	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	04/03/14 10:27	04/04/14 15:44	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 19758

Sampling Date/Time: 03/28/2014 @ 12:55

Well Name: 2MW-17S

Report Period: 2014 Quarter I

Classification of Groundwater:

Well Purged: YES

Groundwater Elevation (NGVD): 24.62

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	04/01/14 10:00	3.23	mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7	04/01/14 10:00	14.0	ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B	04/02/14 11:00	0.03 U	ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/28/14 12:55	6.29	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/28/14 12:55	24.95	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/28/14 12:55	221	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/28/14 12:55	1.73	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/28/14 12:55	3.2	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	04/09/14 8:40	12.7	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	04/02/14 13:50	336	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/01/14 7:30	0.08 I	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	04/02/14 7:30	31.8 XC	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		03/28/14 12:55	24.62	Feet NGVD		Feet NGVD

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April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**2MW-17S 19758**
Matrix	**Groundwater**
SAL Sample Number	**1403170-13**
Date/Time Collected	**03/28/14 12:55**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Client Provided Field Data								
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:32	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:32	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:32	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:32	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:32	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:32	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/04/14 19:32	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 19:32	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 19:32	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:32	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:32	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/04/14 19:32	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/04/14 19:32	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/04/14 19:32	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/04/14 19:32	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/04/14 19:32	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 19:32	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 19:32	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:32	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:32	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/04/14 19:32	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:32	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:32	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 19:32	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 19:32	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:32	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 19:32	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/04/14 19:32	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:32	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 19:32	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:32	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/04/14 19:32	1

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**2MW-17S 19758**
Matrix	**Groundwater**
SAL Sample Number	**1403170-13**
Date/Time Collected	**03/28/14 12:55**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:32	1
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:32	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		04/04/14 19:32	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 19:32	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/04/14 19:32	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:32	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 19:32	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		04/04/14 19:32	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:32	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:32	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 19:32	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		04/04/14 19:32	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		04/04/14 19:32	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 19:32	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 19:32	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*104 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*97 %*	*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	0.0056 U	EPA 8011	0.022	0.0056	04/04/14 11:18	04/05/14 04:06	1
1,2-Dibromoethane	ug/L	0.0056 U	EPA 8011	0.022	0.0056	04/04/14 11:18	04/05/14 04:06	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*98 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	04/11/14 10:54	04/11/14 13:26	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	04/03/14 10:27	04/04/14 11:52	1
Barium	ug/L	19	EPA 6020	0.50	0.18	04/03/14 10:27	04/04/14 11:52	1
Beryllium	ug/L	0.37 I	EPA 6010	1.0	0.096	04/03/14 10:06	04/04/14 15:04	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	04/03/14 10:27	04/04/14 11:52	1
Chromium	ug/L	8.4	EPA 6020	5.0	0.35	04/03/14 10:27	04/04/14 15:21	1
Cobalt	ug/L	10 U	EPA 6010	100	10	04/03/14 10:06	04/04/14 15:04	1
Copper	ug/L	0.13 I	EPA 6020	0.50	0.13	04/03/14 10:27	04/04/14 11:52	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	04/03/14 10:27	04/04/14 11:52	1

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April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**2MW-17S 19758**
Matrix	**Groundwater**
SAL Sample Number	**1403170-13**
Date/Time Collected	**03/28/14 12:55**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Nickel	ug/L	1.9 I	EPA 6020	5.0	0.46	04/03/14 10:27	04/04/14 11:52	1
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	04/11/14 10:54	04/11/14 13:26	1
Silver	ug/L	1.6 I	EPA 6010	20	1.1	04/03/14 10:06	04/04/14 15:04	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	04/03/14 10:27	04/04/14 11:52	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	04/03/14 10:06	04/04/14 15:04	1
Zinc	ug/L	1.9 I	EPA 6020	5.0	0.88	04/03/14 10:27	04/04/14 15:21	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 19759

Sampling Date/Time: 03/28/2014 @ 13:18

Well Name: 2MW-18D

Report Period: 2014 Quarter I

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 24.59

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	04/01/14 10:00	11.5	mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7	04/01/14 10:00	47.7	ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B	04/02/14 11:00	0.03 U	ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/28/14 13:18	6.82	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/28/14 13:18	24.79	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/28/14 13:18	428	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/28/14 13:18	1.02	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/28/14 13:18	3.5	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	04/08/14 8:00	36.3	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	04/02/14 13:50	310	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/01/14 7:30	0.03 U	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	04/02/14 7:30	0.03 U	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		03/28/14 13:18	24.59	Feet NGVD		Feet NGVD

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**2MW-18D 19759**
Matrix	**Groundwater**
SAL Sample Number	**1403170-14**
Date/Time Collected	**03/28/14 13:18**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Client Provided Field Data								
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:05	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:05	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:05	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:05	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:05	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:05	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/04/14 20:05	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 20:05	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 20:05	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:05	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:05	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/04/14 20:05	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/04/14 20:05	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/04/14 20:05	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/04/14 20:05	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/04/14 20:05	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 20:05	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 20:05	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:05	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:05	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/04/14 20:05	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:05	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:05	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 20:05	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 20:05	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:05	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 20:05	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/04/14 20:05	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:05	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 20:05	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:05	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/04/14 20:05	1

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Matrix	**Groundwater**
SAL Sample Number	**1403170-14**
Date/Time Collected	**03/28/14 13:18**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	**Units**	**Results ***	**Method**	**PQL**	**MDL**	**Prepared**	**Analyzed**	**Dilution**
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:05	1
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:05	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		04/04/14 20:05	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 20:05	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/04/14 20:05	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:05	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 20:05	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		04/04/14 20:05	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:05	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:05	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 20:05	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		04/04/14 20:05	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		04/04/14 20:05	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:05	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 20:05	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*106 %*	*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*		*96 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0054 U	EPA 8011	0.022	0.0054	04/04/14 11:18	04/05/14 04:28	1
1,2-Dibromoethane	ug/L	0.0054 U	EPA 8011	0.022	0.0054	04/04/14 11:18	04/05/14 04:28	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	04/11/14 10:54	04/11/14 13:29	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	04/03/14 10:27	04/04/14 11:57	1
Barium	ug/L	11	EPA 6020	0.50	0.18	04/03/14 10:27	04/04/14 11:57	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	04/03/14 10:06	04/04/14 15:16	1
Cadmium	ug/L	0.28 I	EPA 6020	0.50	0.27	04/03/14 10:27	04/04/14 11:57	1
Chromium	ug/L	10	EPA 6020	5.0	0.35	04/03/14 10:27	04/04/14 15:26	1
Cobalt	ug/L	10 U	EPA 6010	100	10	04/03/14 10:06	04/04/14 15:16	1
Copper	ug/L	0.43 I	EPA 6020	0.50	0.13	04/03/14 10:27	04/04/14 11:57	1
Lead	ug/L	0.38 I	EPA 6020	0.50	0.25	04/03/14 10:27	04/04/14 11:57	1

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Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Nickel	ug/L	2.8 I	EPA 6020	5.0	0.46	04/03/14 10:27	04/04/14 11:57	1
Selenium	ug/L	1.2 I	EPA 6020	5.0	0.93	04/11/14 10:54	04/11/14 13:29	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	04/03/14 10:06	04/04/14 15:16	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	04/03/14 10:27	04/04/14 11:57	1
Vanadium	ug/L	11	EPA 6010	10	7.8	04/03/14 10:06	04/04/14 15:16	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	04/03/14 10:27	04/04/14 15:26	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 19764

Sampling Date/Time: 03/28/2014 @ 13:42

Well Name: 2MW-19D

Report Period: 2014 Quarter I

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 25.37

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	04/01/14 10:00	8.44	mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7	04/01/14 10:00	10.0	ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B	04/02/14 11:00	0.03 U	ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/28/14 13:42	6.92	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/28/14 13:42	25.46	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/28/14 13:42	423	μmhos/cm	1	μmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/28/14 13:42	1.04	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/28/14 13:42	0.0	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	04/09/14 8:40	27.0	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	04/02/14 13:50	286	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/01/14 7:30	0.03 U	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	04/02/14 7:30	0.29	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		03/28/14 13:42	25.37	Feet NGVD		Feet NGVD

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Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**2MW-19D 19764**
Matrix	**Groundwater**
SAL Sample Number	**1403170-15**
Date/Time Collected	**03/28/14 13:42**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Client Provided Field Data								
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:37	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:37	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:37	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:37	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:37	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:37	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/04/14 20:37	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 20:37	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 20:37	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:37	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:37	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/04/14 20:37	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/04/14 20:37	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/04/14 20:37	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/04/14 20:37	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/04/14 20:37	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 20:37	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 20:37	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:37	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:37	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/04/14 20:37	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:37	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:37	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 20:37	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 20:37	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:37	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 20:37	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/04/14 20:37	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:37	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 20:37	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:37	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/04/14 20:37	1

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Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-19D 19764**
Matrix	**Groundwater**
SAL Sample Number	**1403170-15**
Date/Time Collected	**03/28/14 13:42**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:37	1
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:37	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		04/04/14 20:37	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 20:37	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/04/14 20:37	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:37	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 20:37	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		04/04/14 20:37	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:37	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:37	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		04/04/14 20:37	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		04/04/14 20:37	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		04/04/14 20:37	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		04/04/14 20:37	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		04/04/14 20:37	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*102 %*	*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	04/04/14 11:18	04/05/14 04:50	1
1,2-Dibromoethane	ug/L	0.0054 U	EPA 8011	0.022	0.0054	04/04/14 11:18	04/05/14 04:50	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*97 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	04/11/14 10:54	04/11/14 13:32	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	04/03/14 10:27	04/04/14 12:01	1
Barium	ug/L	9.0	EPA 6020	0.50	0.18	04/03/14 10:27	04/04/14 12:01	1
Beryllium	ug/L	0.10 I	EPA 6010	1.0	0.096	04/03/14 10:06	04/04/14 15:19	1
Cadmium	ug/L	0.53	EPA 6020	0.50	0.27	04/03/14 10:27	04/04/14 12:01	1
Chromium	ug/L	11	EPA 6020	5.0	0.35	04/03/14 10:27	04/04/14 15:31	1
Cobalt	ug/L	10 U	EPA 6010	100	10	04/03/14 10:06	04/04/14 15:19	1
Copper	ug/L	0.15 I	EPA 6020	0.50	0.13	04/03/14 10:27	04/04/14 12:01	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	04/03/14 10:27	04/04/14 12:01	1

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Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Nickel	ug/L	2.6 I	EPA 6020	5.0	0.46	04/03/14 10:27	04/04/14 12:01	1
Selenium	ug/L	1.1 I	EPA 6020	5.0	0.93	04/11/14 10:54	04/11/14 13:32	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	04/03/14 10:06	04/04/14 15:19	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	04/03/14 10:27	04/04/14 12:01	1
Vanadium	ug/L	8.2 I	EPA 6010	10	7.8	04/03/14 10:06	04/04/14 15:19	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	04/03/14 10:27	04/04/14 15:31	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: West Pasco Class III Sanitary Landfill

Test Site ID #: 23065

Sampling Date/Time: 03/25/2014 @ 12:19

Well Name: 4MW-21

Report Period: 2014 Quarter I

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 28.11

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	03/26/14 11:00	8.35	mg/L	0.03	mg/L
000929	Sodium	"	No	EPA 200.7	03/26/14 11:00	6.53	mg/L	0.19	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/25/14 12:19	1.5	NTU	0.00	NTU
00940	Chloride	"	No	EPA 300.0	03/26/14 8:00	14.0	mg/L	0.10	mg/L
001045	Iron	"	No	EPA 200.7	03/26/14 11:00	17.7	ug/L	1.6	ug/L
00400	pH-Field	"	No	FDEP FT 11	03/25/14 12:19	6.93	std. units	0.10	std. units
070300	TDS	"	No	SM 2540C	03/27/14 11:40	134	mg/L	0.1	mg/L
000344	Dissolved Oxy. (Field)	"	No	FDEP FT 15	03/25/14 12:19	2.23	mg/L	0.1	mg/L
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/25/14 12:19	148	umhos/cm	1	umhos/cm
000010	Temp. (Field)	"	No	FDEP FT 14	03/25/14 12:19	23.39	deg. C	0.00	deg. C
071900	Mercury	"	No	SM 3112B	03/27/14 10:30	0.03 U	ug/L	0.03	ug/L
000610	Ammonia	"	No	SM 4500NH_3H	03/28/14 12:00	0.03 U	mg/L	0.03	mg/L
900216	Color by Obs. (Field)	"	No	SM 2120B	03/25/14 12:19	CLEAR	Obs.	0	Obs.
072020	Water Level	"	No	DEP-SOP	03/25/14 12:19	28.11	Feet NGVD	0	Feet NGVD

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-21 23065**
Matrix	**Groundwater**
SAL Sample Number	**1403170-04**
Date/Time Collected	**03/26/14 12:19**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/26/14 15:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Client Provided Field Data								
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 17:42	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 17:42	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 17:42	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 17:42	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 17:42	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 17:42	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/28/14 17:42	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 17:42	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 17:42	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 17:42	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 17:42	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/28/14 17:42	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		03/28/14 17:42	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		03/28/14 17:42	1
Acetone	ug/L	2.4 I	EPA 8260	4.0	2.0		03/28/14 17:42	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		03/28/14 17:42	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 17:42	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 17:42	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 17:42	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 17:42	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/28/14 17:42	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 17:42	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 17:42	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 17:42	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/28/14 17:42	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 17:42	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/28/14 17:42	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/28/14 17:42	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 17:42	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 17:42	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 17:42	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		03/28/14 17:42	1

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-21 23065**
Matrix	**Groundwater**
SAL Sample Number	**1403170-04**
Date/Time Collected	**03/26/14 12:19**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/26/14 15:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 17:42	1
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 17:42	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		03/28/14 17:42	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 17:42	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/28/14 17:42	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 17:42	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 17:42	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		03/28/14 17:42	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 17:42	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 17:42	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		03/28/14 17:42	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		03/28/14 17:42	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		03/28/14 17:42	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 17:42	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 17:42	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*		*100 %*	*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	03/28/14 12:30	03/29/14 07:00	1
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	03/28/14 12:30	03/29/14 07:00	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	04/11/14 10:54	04/11/14 12:51	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	03/31/14 17:00	04/02/14 12:11	1
Barium	ug/L	9.9	EPA 6020	0.50	0.18	03/31/14 17:00	04/02/14 12:11	1
Beryllium	ug/L	0.35 I	EPA 6010	1.0	0.096	03/31/14 16:45	04/02/14 12:52	1
Cadmium	ug/L	1.6	EPA 6020	0.50	0.27	03/31/14 17:00	04/02/14 12:11	1
Chromium	ug/L	2.7 I	EPA 6020	5.0	0.35	03/31/14 17:00	04/03/14 11:37	1
Cobalt	ug/L	10 U	EPA 6010	100	10	03/31/14 16:45	04/02/14 12:52	1
Copper	ug/L	0.33 I	EPA 6020	0.50	0.13	03/31/14 17:00	04/02/14 12:11	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	03/31/14 17:00	04/02/14 12:11	1

Pasco County Environmental Laboratory
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April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-21 23065**
Matrix	**Groundwater**
SAL Sample Number	**1403170-04**
Date/Time Collected	**03/26/14 12:19**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/26/14 15:00**

Parameters	**Units**	**Results ***	**Method**	**PQL**	**MDL**	**Prepared**	**Analyzed**	**Dilution**
Nickel	ug/L	1.9 I	EPA 6020	5.0	0.46	03/31/14 17:00	04/02/14 12:11	1
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	04/11/14 10:54	04/11/14 12:51	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	03/31/14 16:45	04/02/14 18:16	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	03/31/14 17:00	04/02/14 12:11	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	03/31/14 16:45	04/02/14 12:52	1
Zinc	ug/L	13	EPA 6020	5.0	0.88	03/31/14 17:00	04/03/14 11:37	1

PART III ANALYTICAL RESULTS

Facility ID#: 45799

Site: West Pasco Class III Sanitary Landfill

Test Site ID #: 23066

Sampling Date/Time: 03/25/2014 @ 12:55

Well Name: 4MW-22

Report Period: 2014 Quarter I

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 26.88

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
000620	Nitrate	Well Wizard Ded. Mon. System	No	SM 4500NO_3F	03/26/14 11:00	0.21	mg/L	0.03	mg/L
000929	Sodium	"	No	EPA 200.7	03/26/14 11:00	6.41	mg/L	0.19	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/25/14 12:55	0.0	NTU	0.00	NTU
00940	Chloride	"	No	EPA 300.0	03/26/14 8:00	21.7	mg/L	0.10	mg/L
001045	Iron	"	No	EPA 200.7	03/26/14 11:00	6.4	ug/L	1.6	ug/L
00400	pH-Field	"	No	FDEP FT 11	03/25/14 12:55	7.91	std. units	0.10	std. units
070300	TDS	"	No	SM 2540C	03/27/14 11:40	254	mg/L	0.1	mg/L
000344	Dissolved Oxy. (Field)	"	No	FDEP FT 15	03/25/14 12:55	1.13	mg/L	0.1	mg/L
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/25/14 12:55	406	umhos/cm	1	umhos/cm
000010	Temp. (Field)	"	No	FDEP FT 14	03/25/14 12:55	23.24	deg. C	0.00	deg. C
071900	Mercury	"	No	SM 3112B	03/27/14 10:30	0.03 U	ug/L	0.03	ug/L
000610	Ammonia	"	No	SM 4500NH_3H	03/28/14 12:00	0.03 U	mg/L	0.03	mg/L
900216	Color by Obs. (Field)	"	No	SM 2120B	03/25/14 12:55	CLEAR	Obs.	0	Obs.
072020	Water Level	"	No	DEP-SOP	03/25/14 12:55	26.88	Feet NGVD	0	Feet NGVD

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April 14, 2014
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Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description **4MW-22 23066**
Matrix **Groundwater**
SAL Sample Number **1403170-05**
Date/Time Collected **03/25/14 12:55**
Collected by **Wilfred Martfeld**
Date/Time Received **03/26/14 15:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Client Provided Field Data								
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:14	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:14	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:14	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:14	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:14	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:14	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/28/14 18:14	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 18:14	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 18:14	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:14	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:14	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/28/14 18:14	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		03/28/14 18:14	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		03/28/14 18:14	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/28/14 18:14	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		03/28/14 18:14	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 18:14	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 18:14	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:14	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:14	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/28/14 18:14	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:14	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:14	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 18:14	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/28/14 18:14	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:14	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/28/14 18:14	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/28/14 18:14	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:14	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 18:14	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:14	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		03/28/14 18:14	1

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April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-22 23066**
Matrix	**Groundwater**
SAL Sample Number	**1403170-05**
Date/Time Collected	**03/25/14 12:55**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/26/14 15:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:14	1
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:14	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		03/28/14 18:14	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 18:14	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/28/14 18:14	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:14	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 18:14	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		03/28/14 18:14	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:14	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:14	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		03/28/14 18:14	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		03/28/14 18:14	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		03/28/14 18:14	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:14	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 18:14	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*		*100 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*		*102 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	03/28/14 12:30	03/29/14 08:07	1
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	03/28/14 12:30	03/29/14 08:07	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*107 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	04/11/14 10:54	04/11/14 12:54	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	03/31/14 17:00	04/02/14 12:16	1
Barium	ug/L	11	EPA 6020	0.50	0.18	03/31/14 17:00	04/02/14 12:16	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	03/31/14 16:45	04/02/14 12:56	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	03/31/14 17:00	04/02/14 12:16	1
Chromium	ug/L	5.5	EPA 6020	5.0	0.35	03/31/14 17:00	04/03/14 11:42	1
Cobalt	ug/L	10 U	EPA 6010	100	10	03/31/14 16:45	04/02/14 12:56	1
Copper	ug/L	0.53	EPA 6020	0.50	0.13	03/31/14 17:00	04/02/14 12:16	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	03/31/14 17:00	04/02/14 12:16	1

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Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-22 23066**
Matrix	**Groundwater**
SAL Sample Number	**1403170-05**
Date/Time Collected	**03/25/14 12:55**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/26/14 15:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Nickel	ug/L	2.8 I	EPA 6020	5.0	0.46	03/31/14 17:00	04/02/14 12:16	1
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	04/11/14 10:54	04/11/14 12:54	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	03/31/14 16:45	04/02/14 18:20	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	03/31/14 17:00	04/02/14 12:16	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	03/31/14 16:45	04/02/14 12:56	1
Zinc	ug/L	1.1 I	EPA 6020	5.0	0.88	03/31/14 17:00	04/03/14 11:42	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Test Site ID #: 23443

Well Name: 2MW-24S

Classification of Groundwater: G-II

Groundwater Elevation (NGVD): IFS

Site: Resource Recovery Class I Landfill Hays Road

Sampling Date/Time: 03/25/2014 @ 0900

Report Period: 2014 Quarter I

Well Purged: YES

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7		IFS	mg/L	0.19	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	0.03	mg/L
072020	Water Level (MSL)	"	No			"	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Test Site ID #: 23444

Well Name: 2MW-24D

Classification of Groundwater: G-II

Groundwater Elevation (NGVD): 27.11

Site: Resource Recovery Class I Landfill Hays Road

Sampling Date/Time: 03/31/2014 @ 12:06

Report Period: 2014 Quarter I

Well Purged: YES

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	04/02/14 12:00	22.3	mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7	04/02/14 12:00	36.5	ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B	04/17/14 11:00	0.03 U	ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/31/14 12:06	7.13	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/31/14 12:06	25.56	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/31/14 12:06	490	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/31/14 12:06	1.01	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/31/14 12:06	1.5	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	04/09/14 8:40	57.3	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	04/02/14 13:50	338	mg/L	0.10	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/01/14 7:30	0.03 U	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	04/02/14 7:30	1.68	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		03/31/14 12:06	27.11	Feet NGVD		Feet NGVD

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**2MW-24D 23444**
Matrix	**Groundwater**
SAL Sample Number	**1403170-22**
Date/Time Collected	**03/31/14 12:06**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Client Provided Field Data								
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:22	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:22	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:22	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:22	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:22	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:22	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/05/14 00:22	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 00:22	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 00:22	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:22	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:22	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/05/14 00:22	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/05/14 00:22	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/05/14 00:22	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/05/14 00:22	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/05/14 00:22	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 00:22	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 00:22	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:22	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:22	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/05/14 00:22	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:22	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:22	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 00:22	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/05/14 00:22	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:22	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/05/14 00:22	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/05/14 00:22	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:22	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 00:22	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:22	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/05/14 00:22	1

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**2MW-24D 23444**
Matrix	**Groundwater**
SAL Sample Number	**1403170-22**
Date/Time Collected	**03/31/14 12:06**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:22	1
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:22	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		04/05/14 00:22	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 00:22	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/05/14 00:22	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:22	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 00:22	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		04/05/14 00:22	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:22	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:22	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		04/05/14 00:22	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		04/05/14 00:22	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		04/05/14 00:22	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:22	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 00:22	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*		*98 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0054 U	EPA 8011	0.022	0.0054	04/04/14 11:18	04/05/14 08:52	1
1,2-Dibromoethane	ug/L	0.0054 U	EPA 8011	0.022	0.0054	04/04/14 11:18	04/05/14 08:52	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	04/11/14 10:51	04/11/14 12:17	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	04/03/14 10:27	04/04/14 12:43	1
Barium	ug/L	15	EPA 6020	0.50	0.18	04/03/14 10:27	04/04/14 12:43	1
Beryllium	ug/L	0.40 I	EPA 6010	1.0	0.096	04/03/14 10:06	04/04/14 15:45	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	04/03/14 10:27	04/04/14 12:43	1
Chromium	ug/L	8.0	EPA 6020	5.0	0.35	04/03/14 10:27	04/04/14 16:02	1
Cobalt	ug/L	10 U	EPA 6010	100	10	04/03/14 10:06	04/04/14 15:45	1
Copper	ug/L	0.13 U	EPA 6020	0.50	0.13	04/03/14 10:27	04/04/14 12:43	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	04/03/14 10:27	04/04/14 12:43	1

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**2MW-24D 23444**
Matrix	**Groundwater**
SAL Sample Number	**1403170-22**
Date/Time Collected	**03/31/14 12:06**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Nickel	ug/L	3.3 I	EPA 6020	5.0	0.46	04/03/14 10:27	04/04/14 12:43	1
Selenium	ug/L	1.5 I	EPA 6020	5.0	0.93	04/11/14 10:51	04/11/14 12:17	1
Silver	ug/L	3.7 I	EPA 6010	20	1.1	04/03/14 10:06	04/04/14 15:45	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	04/03/14 10:27	04/04/14 12:43	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	04/03/14 10:06	04/04/14 15:45	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	04/03/14 10:27	04/04/14 16:02	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Test Site ID #: 23445

Well Name: 2MW-25S

Classification of Groundwater: G-II

Groundwater Elevation (NGVD): DRY

Site: Resource Recovery Class I Landfill Hays Road

Sampling Date/Time: 03/25/2014 @ 09:06

Report Period: 2014 Quarter I

Well Purged: YES

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	0.03	mg/L
072020	Water Level (MSL)	"	No			"	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Test Site ID #: 23446

Well Name: 2MW-25D

Classification of Groundwater: G-II

Groundwater Elevation (NGVD): 28.38

Site: Resource Recovery Class I Landfill Hays Road

Sampling Date/Time: 03/31/2014 @ 12:21

Report Period: 2014 Quarter I

Well Purged: YES

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	04/02/14 12:00	37.1	mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7	04/02/14 12:00	232	ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B	04/17/14 11:00	0.03 U	ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/31/14 12:21	6.92	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/31/14 12:21	25.06	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/31/14 12:21	670	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/31/14 12:21	0.72	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/31/14 12:21	1.1	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	04/09/14 8:40	89.5	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	04/02/14 13:50	472	mg/L	0.10	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/01/14 7:30	0.03 U	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	04/02/14 7:30	1.08	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		03/31/14 12:21	28.38	Feet NGVD		Feet NGVD

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**2MW-25D 23446**
Matrix	**Groundwater**
SAL Sample Number	**1403170-23**
Date/Time Collected	**03/31/14 12:20**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Client Provided Field Data								
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/05/14 00:54	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 00:54	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 00:54	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/05/14 00:54	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/05/14 00:54	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/05/14 00:54	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/05/14 00:54	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/05/14 00:54	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 00:54	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 00:54	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/05/14 00:54	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 00:54	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/05/14 00:54	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/05/14 00:54	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/05/14 00:54	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 00:54	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/05/14 00:54	1

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**2MW-25D 23446**
Matrix	**Groundwater**
SAL Sample Number	**1403170-23**
Date/Time Collected	**03/31/14 12:20**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Client Provided Field Data								
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/05/14 00:54	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 00:54	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 00:54	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/05/14 00:54	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/05/14 00:54	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/05/14 00:54	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/05/14 00:54	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/05/14 00:54	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 00:54	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 00:54	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/05/14 00:54	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 00:54	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/05/14 00:54	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/05/14 00:54	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/05/14 00:54	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 00:54	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/05/14 00:54	1

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**2MW-25D 23446**
Matrix	**Groundwater**
SAL Sample Number	**1403170-23**
Date/Time Collected	**03/31/14 12:20**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		04/05/14 00:54	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 00:54	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/05/14 00:54	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 00:54	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		04/05/14 00:54	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		04/05/14 00:54	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		04/05/14 00:54	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		04/05/14 00:54	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 00:54	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 00:54	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*104 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*98 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*		*100 %*	*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	04/04/14 11:18	04/05/14 09:15	1
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	04/04/14 11:18	04/05/14 09:15	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	04/11/14 10:51	04/11/14 12:30	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	04/03/14 10:27	04/04/14 12:47	1
Barium	ug/L	26	EPA 6020	0.50	0.18	04/03/14 10:27	04/04/14 12:47	1
Beryllium	ug/L	0.33 I	EPA 6010	1.0	0.096	04/03/14 10:06	04/04/14 15:48	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	04/03/14 10:27	04/04/14 12:47	1
Chromium	ug/L	7.8	EPA 6020	5.0	0.35	04/03/14 10:27	04/04/14 16:17	1
Cobalt	ug/L	10 U	EPA 6010	100	10	04/03/14 10:06	04/04/14 15:48	1
Copper	ug/L	0.43 I	EPA 6020	0.50	0.13	04/03/14 10:27	04/04/14 12:47	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	04/03/14 10:27	04/04/14 12:47	1

Pasco County Environmental Laboratory
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April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**2MW-25D 23446**
Matrix	**Groundwater**
SAL Sample Number	**1403170-23**
Date/Time Collected	**03/31/14 12:20**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Nickel	ug/L	6.2	EPA 6020	5.0	0.46	04/03/14 10:27	04/04/14 12:47	1
Selenium	ug/L	2.5 I	EPA 6020	5.0	0.93	04/11/14 10:51	04/11/14 12:30	1
Silver	ug/L	1.7 I	EPA 6010	20	1.1	04/03/14 10:06	04/04/14 15:48	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	04/03/14 10:27	04/04/14 12:47	1
Vanadium	ug/L	10	EPA 6010	10	7.8	04/03/14 10:06	04/04/14 15:48	1
Zinc	ug/L	2.1 I	EPA 6020	5.0	0.88	04/03/14 10:27	04/04/14 16:17	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Test Site ID #: 23448

Well Name: 2MW-26D

Classification of Groundwater: G-II

Groundwater Elevation (NGVD): 29.01

Site: Resource Recovery Class I Landfill Hays Road

Sampling Date/Time: 03/31/2014 @ 12:42

Report Period: 2014 Quarter I

Well Purged: YES

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7	04/02/14 12:00	34.3	mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7	04/02/14 12:00	23.5	ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B	04/17/14 11:00	0.03 U	ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/31/14 12:42	7.17	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/31/14 12:42	24.83	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/31/14 12:42	568	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/31/14 12:42	0.91	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/31/14 12:42	1.1	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	04/09/14 8:40	62.0	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	04/02/14 13:50	230	mg/L	0.10	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	04/01/14 7:30	0.03 U	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	04/02/14 7:30	0.66	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		03/31/14 12:42	29.01	Feet NGVD		Feet NGVD

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April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**2MW-26D 23448**
Matrix	**Groundwater**
SAL Sample Number	**1403170-24**
Date/Time Collected	**03/31/14 12:42**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Client Provided Field Data								
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:26	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:26	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:26	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:26	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:26	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:26	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/05/14 01:26	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 01:26	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 01:26	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:26	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:26	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/05/14 01:26	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		04/05/14 01:26	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		04/05/14 01:26	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		04/05/14 01:26	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		04/05/14 01:26	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 01:26	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 01:26	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:26	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:26	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		04/05/14 01:26	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:26	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:26	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 01:26	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/05/14 01:26	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:26	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		04/05/14 01:26	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/05/14 01:26	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:26	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 01:26	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:26	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		04/05/14 01:26	1

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	PASCO COUNTY RESOURCE RECOVERY
Sample Description	2MW-26D 23448
Matrix	Groundwater
SAL Sample Number	1403170-24
Date/Time Collected	03/31/14 12:42
Collected by	Wilfred Martfeld
Date/Time Received	04/02/14 15:05

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:26	1
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:26	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		04/05/14 01:26	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 01:26	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		04/05/14 01:26	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:26	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 01:26	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		04/05/14 01:26	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:26	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:26	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		04/05/14 01:26	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		04/05/14 01:26	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		04/05/14 01:26	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		04/05/14 01:26	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		04/05/14 01:26	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*		*100 %*	*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	0.021	0.0054	04/04/14 11:18	04/05/14 09:37	1
1,2-Dibromoethane	ug/L	0.0054 U	EPA 8011	0.021	0.0054	04/04/14 11:18	04/05/14 09:37	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	04/11/14 10:51	04/11/14 12:33	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	04/03/14 10:27	04/04/14 12:52	1
Barium	ug/L	9.0	EPA 6020	0.50	0.18	04/03/14 10:27	04/04/14 12:52	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	04/03/14 10:06	04/04/14 16:07	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	04/03/14 10:27	04/04/14 12:52	1
Chromium	ug/L	4.8 I	EPA 6020	5.0	0.35	04/03/14 10:27	04/04/14 16:21	1
Cobalt	ug/L	10 U	EPA 6010	100	10	04/03/14 10:06	04/04/14 16:07	1
Copper	ug/L	0.50	EPA 6020	0.50	0.13	04/03/14 10:27	04/04/14 12:52	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	04/03/14 10:27	04/04/14 12:52	1

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April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**2MW-26D 23448**
Matrix	**Groundwater**
SAL Sample Number	**1403170-24**
Date/Time Collected	**03/31/14 12:42**
Collected by	**Wilfred Martfeld**
Date/Time Received	**04/02/14 15:05**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Nickel	ug/L	2.3 I	EPA 6020	5.0	0.46	04/03/14 10:27	04/04/14 12:52	1
Selenium	ug/L	2.1 I	EPA 6020	5.0	0.93	04/11/14 10:51	04/11/14 12:33	1
Silver	ug/L	1.5 I	EPA 6010	20	1.1	04/03/14 10:06	04/04/14 16:07	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	04/03/14 10:27	04/04/14 12:52	1
Vanadium	ug/L	17	EPA 6010	10	7.8	04/03/14 10:06	04/04/14 16:07	1
Zinc	ug/L	0.88 U	EPA 6020	5.0	0.88	04/03/14 10:27	04/04/14 16:21	1

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Test Site ID #: 23451

Well Name: 4MW-27

Classification of Groundwater: Floridan

Groundwater Elevation (NGVD): 30.10

Site: Resource Recovery Class I Landfill Hays Road

Sampling Date/Time: 03/25/2014 @ 14:09

Report Period: 2014 Quarter I

Well Purged: YES

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	03/26/14 11:00	50.6	mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7	03/26/14 11:00	2.5	ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B	03/27/14 10:30	0.03 U	ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/25/14 14:09	8.16	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/25/14 14:09	23.52	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/25/14 14:09	409	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/25/14 14:09	0.51	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/25/14 14:09	0.0	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	03/26/14 8:00	120	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	03/27/14 11:40	304	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	03/28/14 12:00	0.03 U	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	03/26/14 11:00	0.80	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		03/25/14 14:09	30.10	Feet NGVD		Feet NGVD

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name **PASCO COUNTY RESOURCE RECOVERY**

Sample Description	**4MW-27 23451**
Matrix	**Groundwater**
SAL Sample Number	**1403170-06**
Date/Time Collected	**03/25/14 14:09**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/26/14 15:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Client Provided Field Data								
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:46	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:46	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:46	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:46	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:46	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:46	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/28/14 18:46	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 18:46	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 18:46	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:46	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:46	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/28/14 18:46	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		03/28/14 18:46	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		03/28/14 18:46	1
Acetone	ug/L	2.3 I	EPA 8260	4.0	2.0		03/28/14 18:46	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		03/28/14 18:46	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 18:46	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 18:46	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:46	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:46	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/28/14 18:46	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:46	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:46	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 18:46	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/28/14 18:46	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:46	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/28/14 18:46	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/28/14 18:46	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:46	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 18:46	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:46	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		03/28/14 18:46	1

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-27 23451**
Matrix	**Groundwater**
SAL Sample Number	**1403170-06**
Date/Time Collected	**03/25/14 14:09**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/26/14 15:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:46	1
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:46	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		03/28/14 18:46	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 18:46	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/28/14 18:46	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:46	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 18:46	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		03/28/14 18:46	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:46	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:46	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		03/28/14 18:46	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		03/28/14 18:46	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		03/28/14 18:46	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 18:46	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 18:46	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*101 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*98 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*		*101 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Toluene-d8*		*99 %*	*Limits*	*65-135*			
<u>Pesticide Analyses</u>								
1,2-Dibromo-3-chloropropane	ug/L	0.0054 U	EPA 8011	0.022	0.0054	03/28/14 12:30	03/29/14 08:29	1
1,2-Dibromoethane	ug/L	0.0054 U	EPA 8011	0.022	0.0054	03/28/14 12:30	03/29/14 08:29	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*108 %*	*Limits*	*85-123*			
<u>Metals</u>								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	04/11/14 10:54	04/11/14 13:02	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	03/31/14 17:00	04/02/14 12:20	1
Barium	ug/L	23	EPA 6020	0.50	0.18	03/31/14 17:00	04/02/14 12:20	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	03/31/14 16:45	04/02/14 12:59	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	03/31/14 17:00	04/02/14 12:20	1
Chromium	ug/L	1.1 I	EPA 6020	5.0	0.35	03/31/14 17:00	04/03/14 11:47	1
Cobalt	ug/L	10 U	EPA 6010	100	10	03/31/14 16:45	04/02/14 12:59	1
Copper	ug/L	0.85	EPA 6020	0.50	0.13	03/31/14 17:00	04/02/14 12:20	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	03/31/14 17:00	04/02/14 12:20	1

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-27 23451**
Matrix	**Groundwater**
SAL Sample Number	**1403170-06**
Date/Time Collected	**03/25/14 14:09**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/26/14 15:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Nickel	ug/L	3.5 I	EPA 6020	5.0	0.46	03/31/14 17:00	04/02/14 12:20	1
Selenium	ug/L	3.6 I	EPA 6020	5.0	0.93	04/11/14 10:54	04/11/14 13:02	1
Silver	ug/L	1.8 I	EPA 6010	20	1.1	03/31/14 16:45	04/04/14 14:02	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	03/31/14 17:00	04/02/14 12:20	1
Vanadium	ug/L	130	EPA 6010	10	7.8	03/31/14 16:45	04/02/14 12:59	1
Zinc	ug/L	1.1 I	EPA 6020	5.0	0.88	03/31/14 17:00	04/03/14 11:47	1

PART III ANALYTICAL RESULTS

Facility ID#: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 23449

Sampling Date/Time: 03/25/2014 @ 13:15

Well Name: 2MW-27S

Report Period: 2014 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	0.03	mg/L
072020	Water Level (MSL)	"	No			"	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 23450

Sampling Date/Time: 03/25/2014 @ 14:42

Well Name: 2MW-27D

Report Period: 2014 Quarter I

Classification of Groundwater:

Well Purged: YES

Groundwater Elevation (NGVD): 30.01

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	03/26/14 11:00	64.6	mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7	03/26/14 11:00	10.9	ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B	03/27/14 10:30	0.03 U	ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/25/14 14:42	8.09	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/25/14 14:42	23.32	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/25/14 14:42	652	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/25/14 14:42	1.18	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/25/14 14:42	1.6	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	03/26/14 8:00	120	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	03/27/14 11:40	322	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	03/28/14 12:00	0.03 U	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	03/26/14 11:00	0.91	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		03/25/14 14:42	30.01	Feet NGVD		Feet NGVD

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**2MW-27D 23450**
Matrix	**Groundwater**
SAL Sample Number	**1403170-07**
Date/Time Collected	**03/25/14 14:42**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/26/14 15:00**

Parameters	Units	Results *		Method	PQL	MDL	Prepared	Analyzed	Dilution
Client Provided Field Data									
Volatile Organic Compounds									
1,1,1,2-Tetrachloroethane	ug/L	0.2	U	EPA 8260	0.8	0.2		03/28/14 19:19	1
1,1,1-Trichloroethane	ug/L	0.2	U	EPA 8260	0.8	0.2		03/28/14 19:19	1
1,1,2,2-Tetrachloroethane	ug/L	0.2	U	EPA 8260	0.8	0.2		03/28/14 19:19	1
1,1,2-Trichloroethane	ug/L	0.2	U	EPA 8260	0.8	0.2		03/28/14 19:19	1
1,1-Dichloroethane	ug/L	0.2	U	EPA 8260	0.8	0.2		03/28/14 19:19	1
1,1-Dichloroethene	ug/L	0.2	U	EPA 8260	0.8	0.2		03/28/14 19:19	1
1,2,3-Trichloropropane	ug/L	0.4	U	EPA 8260	0.8	0.4		03/28/14 19:19	1
1,2-Dichlorobenzene	ug/L	0.1	U	EPA 8260	0.8	0.1		03/28/14 19:19	1
1,2-Dichloroethane	ug/L	0.1	U	EPA 8260	0.8	0.1		03/28/14 19:19	1
1,2-Dichloropropane	ug/L	0.2	U	EPA 8260	0.8	0.2		03/28/14 19:19	1
1,4-Dichlorobenzene	ug/L	0.2	U	EPA 8260	0.8	0.2		03/28/14 19:19	1
2-Butanone	ug/L	2.0	U	EPA 8260	4.0	2.0		03/28/14 19:19	1
2-Hexanone	ug/L	2.1	U	EPA 8260	4.0	2.1		03/28/14 19:19	1
4-Methyl-2-pentanone	ug/L	2.6	U	EPA 8260	4.0	2.6		03/28/14 19:19	1
Acetone	ug/L	2.0	U	EPA 8260	4.0	2.0		03/28/14 19:19	1
Acrylonitrile	ug/L	1.3	U	EPA 8260	4.0	1.3		03/28/14 19:19	1
Benzene	ug/L	0.1	U	EPA 8260	0.8	0.1		03/28/14 19:19	1
Bromochloromethane	ug/L	0.1	U	EPA 8260	0.8	0.1		03/28/14 19:19	1
Bromodichloromethane	ug/L	0.2	U	EPA 8260	0.8	0.2		03/28/14 19:19	1
Bromoform	ug/L	0.2	U	EPA 8260	0.8	0.2		03/28/14 19:19	1
Bromomethane	ug/L	0.4	U	EPA 8260	0.8	0.4		03/28/14 19:19	1
Carbon disulfide	ug/L	0.2	U	EPA 8260	0.8	0.2		03/28/14 19:19	1
Carbon tetrachloride	ug/L	0.2	U	EPA 8260	0.8	0.2		03/28/14 19:19	1
Chlorobenzene	ug/L	0.1	U	EPA 8260	0.8	0.1		03/28/14 19:19	1
Chloroethane	ug/L	0.4	U	EPA 8260	1.6	0.4		03/28/14 19:19	1
Chloroform	ug/L	0.2	U	EPA 8260	0.8	0.2		03/28/14 19:19	1
Chloromethane	ug/L	0.4	U	EPA 8260	1.6	0.4		03/28/14 19:19	1
cis-1,2-Dichloroethene	ug/L	0.09	U	EPA 8260	0.8	0.09		03/28/14 19:19	1
cis-1,3-Dichloropropene	ug/L	0.2	U	EPA 8260	0.8	0.2		03/28/14 19:19	1
Dibromochloromethane	ug/L	0.1	U	EPA 8260	0.8	0.1		03/28/14 19:19	1
Dibromomethane	ug/L	0.2	U	EPA 8260	0.8	0.2		03/28/14 19:19	1
Ethylbenzene	ug/L	0.08	U	EPA 8260	0.8	0.08		03/28/14 19:19	1

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**2MW-27D 23450**
Matrix	**Groundwater**
SAL Sample Number	**1403170-07**
Date/Time Collected	**03/25/14 14:42**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/26/14 15:00**

Parameters	**Units**	**Results ***	**Method**	**PQL**	**MDL**	**Prepared**	**Analyzed**	**Dilution**
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 19:19	1
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 19:19	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		03/28/14 19:19	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 19:19	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/28/14 19:19	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 19:19	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 19:19	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		03/28/14 19:19	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 19:19	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 19:19	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		03/28/14 19:19	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		03/28/14 19:19	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		03/28/14 19:19	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 19:19	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 19:19	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*		*99 %*	*Limits*	*65-135*			
Pesticide Analyses								
1,2-Dibromo-3-chloropropane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	03/28/14 12:30	03/29/14 08:51	1
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	03/28/14 12:30	03/29/14 08:51	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*107 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	04/11/14 10:54	04/11/14 13:09	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	03/31/14 17:00	04/02/14 12:25	1
Barium	ug/L	51	EPA 6020	0.50	0.18	03/31/14 17:00	04/02/14 12:25	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	03/31/14 16:45	04/02/14 13:03	1
Cadmium	ug/L	0.47 I	EPA 6020	0.50	0.27	03/31/14 17:00	04/02/14 12:25	1
Chromium	ug/L	5.4	EPA 6020	5.0	0.35	03/31/14 17:00	04/03/14 11:51	1
Cobalt	ug/L	10 U	EPA 6010	100	10	03/31/14 16:45	04/02/14 13:03	1
Copper	ug/L	1.4	EPA 6020	0.50	0.13	03/31/14 17:00	04/02/14 12:25	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	03/31/14 17:00	04/02/14 12:25	1

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**2MW-27D 23450**
Matrix	**Groundwater**
SAL Sample Number	**1403170-07**
Date/Time Collected	**03/25/14 14:42**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/26/14 15:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Nickel	ug/L	3.9 I	EPA 6020	5.0	0.46	03/31/14 17:00	04/02/14 12:25	1
Selenium	ug/L	2.5 I	EPA 6020	5.0	0.93	04/11/14 10:54	04/11/14 13:09	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	03/31/14 16:45	04/04/14 14:06	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	03/31/14 17:00	04/02/14 12:25	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	03/31/14 16:45	04/02/14 13:03	1
Zinc	ug/L	3.0 I	EPA 6020	5.0	0.88	03/31/14 17:00	04/03/14 11:51	1

PART III ANALYTICAL RESULTS

Facility ID#: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 23452

Sampling Date/Time: 03/25/2014 @ 15:30

Well Name: 4MW-27D

Report Period: 2014 Quarter I

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 30.09

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	03/26/14 11:00	8.08	mg/L	0.19	mg/L
001045	Iron	"	No	EPA 200.7	03/26/14 11:00	1.8	ug/L	1.6	ug/L
071900	Mercury	"	No	SM 3112B	03/27/14 10:30	0.03 U	ug/L	0.03	ug/L
000400	pH-Field	"	No	FDEP FT 11	03/25/14 15:30	8.57	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	03/25/14 15:30	23.37	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	03/25/14 15:30	212	μmhos/cm	1	μmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	03/25/14 15:30	1.04	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	03/25/14 15:30	0.0	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	03/26/14 8:00	5.68	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	03/27/14 11:40	152	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	03/28/14 12:00	0.03 U	mg/L	0.03	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	03/26/14 11:00	0.19	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		03/25/14 15:30	30.09	Feet NGVD		Feet NGVD

Pasco County Environmental Laboratory
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April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-27D 23452**
Matrix	**Groundwater**
SAL Sample Number	**1403170-08**
Date/Time Collected	**03/25/14 15:30**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/26/14 15:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Client Provided Field Data								
Volatile Organic Compounds								
1,1,1,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 19:51	1
1,1,1-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 19:51	1
1,1,2,2-Tetrachloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 19:51	1
1,1,2-Trichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 19:51	1
1,1-Dichloroethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 19:51	1
1,1-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 19:51	1
1,2,3-Trichloropropane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/28/14 19:51	1
1,2-Dichlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 19:51	1
1,2-Dichloroethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 19:51	1
1,2-Dichloropropane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 19:51	1
1,4-Dichlorobenzene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 19:51	1
2-Butanone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/28/14 19:51	1
2-Hexanone	ug/L	2.1 U	EPA 8260	4.0	2.1		03/28/14 19:51	1
4-Methyl-2-pentanone	ug/L	2.6 U	EPA 8260	4.0	2.6		03/28/14 19:51	1
Acetone	ug/L	2.0 U	EPA 8260	4.0	2.0		03/28/14 19:51	1
Acrylonitrile	ug/L	1.3 U	EPA 8260	4.0	1.3		03/28/14 19:51	1
Benzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 19:51	1
Bromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 19:51	1
Bromodichloromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 19:51	1
Bromoform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 19:51	1
Bromomethane	ug/L	0.4 U	EPA 8260	0.8	0.4		03/28/14 19:51	1
Carbon disulfide	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 19:51	1
Carbon tetrachloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 19:51	1
Chlorobenzene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 19:51	1
Chloroethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/28/14 19:51	1
Chloroform	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 19:51	1
Chloromethane	ug/L	0.4 U	EPA 8260	1.6	0.4		03/28/14 19:51	1
cis-1,2-Dichloroethene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/28/14 19:51	1
cis-1,3-Dichloropropene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 19:51	1
Dibromochloromethane	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 19:51	1
Dibromomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 19:51	1
Ethylbenzene	ug/L	0.08 U	EPA 8260	0.8	0.08		03/28/14 19:51	1

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-27D 23452**
Matrix	**Groundwater**
SAL Sample Number	**1403170-08**
Date/Time Collected	**03/25/14 15:30**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/26/14 15:00**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	Dilution
Iodomethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 19:51	1
Methylene Chloride	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 19:51	1
Styrene	ug/L	0.05 U	EPA 8260	0.8	0.05		03/28/14 19:51	1
Tetrachloroethene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 19:51	1
Toluene	ug/L	0.09 U	EPA 8260	0.8	0.09		03/28/14 19:51	1
trans-1,2-Dichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 19:51	1
trans-1,3-Dichloropropene	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 19:51	1
trans-1,4-Dichloro-2-butene	ug/L	0.3 U	EPA 8260	0.8	0.3		03/28/14 19:51	1
Trichloroethene	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 19:51	1
Trichlorofluoromethane	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 19:51	1
Vinyl acetate	ug/L	0.4 U	EPA 8260	1.6	0.4		03/28/14 19:51	1
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		03/28/14 19:51	1
Xylene-m,p	ug/L	0.2 U	EPA 8260	1.6	0.2		03/28/14 19:51	1
Xylene-o	ug/L	0.2 U	EPA 8260	0.8	0.2		03/28/14 19:51	1
Xylenes- Total	ug/L	0.1 U	EPA 8260	0.8	0.1		03/28/14 19:51	1
Surrogate for EPA 8260	*1,2-Dichloroethane-d4*		*102 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*4-Bromofluorobenzene*		*96 %*	*Limits*	*65-135*			
Surrogate for EPA 8260	*Dibromofluoromethane*		*101 %*	*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	03/28/14 12:30	03/29/14 09:13	1
1,2-Dibromoethane	ug/L	0.0053 U	EPA 8011	0.021	0.0053	03/28/14 12:30	03/29/14 09:13	1
Surrogate for EPA 8011	*2-Bromo-1-chloropropane*		*111 %*	*Limits*	*85-123*			
Metals								
Antimony	ug/L	1.0 U	EPA 6020	50	1.0	04/11/14 10:54	04/11/14 13:12	1
Arsenic	ug/L	0.93 U	EPA 6020	5.0	0.93	03/31/14 17:00	04/02/14 12:29	1
Barium	ug/L	11	EPA 6020	0.50	0.18	03/31/14 17:00	04/02/14 12:29	1
Beryllium	ug/L	0.096 U	EPA 6010	1.0	0.096	03/31/14 16:45	04/02/14 13:06	1
Cadmium	ug/L	0.27 U	EPA 6020	0.50	0.27	03/31/14 17:00	04/02/14 12:29	1
Chromium	ug/L	4.1 I	EPA 6020	5.0	0.35	03/31/14 17:00	04/03/14 11:56	1
Cobalt	ug/L	10 U	EPA 6010	100	10	03/31/14 16:45	04/02/14 13:06	1
Copper	ug/L	0.58	EPA 6020	0.50	0.13	03/31/14 17:00	04/02/14 12:29	1
Lead	ug/L	0.25 U	EPA 6020	0.50	0.25	03/31/14 17:00	04/02/14 12:29	1

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

April 14, 2014
Work Order: 1403170

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-27D 23452**
Matrix	**Groundwater**
SAL Sample Number	**1403170-08**
Date/Time Collected	**03/25/14 15:30**
Collected by	**Wilfred Martfeld**
Date/Time Received	**03/26/14 15:00**

Parameters	**Units**	**Results ***	**Method**	**PQL**	**MDL**	**Prepared**	**Analyzed**	**Dilution**
Nickel	ug/L	1.1 I	EPA 6020	5.0	0.46	03/31/14 17:00	04/02/14 12:29	1
Selenium	ug/L	0.93 U	EPA 6020	5.0	0.93	04/11/14 10:54	04/11/14 13:12	1
Silver	ug/L	1.1 U	EPA 6010	20	1.1	03/31/14 16:45	04/02/14 18:31	1
Thallium	ug/L	0.24 U	EPA 6020	0.50	0.24	03/31/14 17:00	04/02/14 12:29	1
Vanadium	ug/L	7.8 U	EPA 6010	10	7.8	03/31/14 16:45	04/02/14 13:06	1
Zinc	ug/L	3.0 I	EPA 6020	5.0	0.88	03/31/14 17:00	04/03/14 11:56	1

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

CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/7/2014

Sample Number: **AC08739**
Sample Method: SP
Date Sampled: 3/25/2014
Time Sampled: 9:50
Sampled By: WMM

Sample ID: 4MW7 @ CLASS III
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/25/2014
Time Received: 15:40
Received By: KS
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/25/2014	9:50	WMM	339	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/25/2014	9:50	WMM	1.11	D	mg/L	0.1
pH Field	FDEP FT 1100	3/25/2014	9:50	WMM	7.48	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/25/2014	9:50	WMM	21.25	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/25/2014	9:50	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/25/2014	9:50	WMM	28.39	D	Ft.	0
Iron (Fe)	EPA 200.7	3/26/2014	11:00	TER	3.0	I	ug/L	1.6
Mercury (Hg)	SM 3112 B	3/27/2014	10:30	TER	0.08	I	ug/L	0.03
Sodium (Na)	EPA 200.7	3/26/2014	11:00	TER	4.81		mg/L	0.19
Ammonia (N)	SM 4500-NH3 G	3/28/2014	12:00	IF	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	3/26/2014	11:00	IF	0.34		mg/L	0.03
Color by Observation	Observation	3/25/2014	9:50	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	3/27/2014	11:40	KS	198		mg/L	0.1
Chloride	EPA 300.0	3/26/2014	8:00	AS	14.0		mg/L	0.10

Analysis Comments:

Candia E. Mulhern, Laboratory Director

PASCO COUNTY, FLORIDA

"Bringing Opportunities Home"

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

CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/7/2014

Sample Number:	**AC08740**	Sample ID:	4MW8 @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	3/25/2014	Date Received:	3/25/2014
Time Sampled:	11:51	Time Received:	15:40
Sampled By:	WMM	Received By:	KS
		Delivered By:	WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/25/2014	11:51	WMM	280	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/25/2014	11:51	WMM	0.49	D	mg/L	0.1
pH Field	FDEP FT 1100	3/25/2014	11:51	WMM	8.07	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/25/2014	11:51	WMM	22.90	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/25/2014	11:51	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/25/2014	11:51	WMM	28.30	D	Ft.	0
Iron (Fe)	EPA 200.7	3/26/2014	11:00	TER	1.6	U	ug/L	1.6
Mercury (Hg)	SM 3112 B	3/27/2014	10:30	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	3/26/2014	11:00	TER	4.52		mg/L	0.19
Ammonia (N)	SM 4500-NH3 G	3/28/2014	12:00	IF	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	3/26/2014	11:00	IF	0.15		mg/L	0.03
Color by Observation	Observation	3/25/2014	11:51	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	3/27/2014	11:40	KS	178		mg/L	0.1
Chloride	EPA 300.0	3/26/2014	8:00	AS	12.7		mg/L	0.10

Analysis Comments:

Candia E. Mulhern, Laboratory Director

PASCO COUNTY, FLORIDA

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/7/2014

Sample Number: **AC08741**
Sample Method: SP
Date Sampled: 3/25/2014
Time Sampled: 10:59
Sampled By: WMM

Sample ID: 4MW9 @ CLASS III
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/25/2014
Time Received: 15:40
Received By: KS
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/25/2014	10:59	WMM	374	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/25/2014	10:59	WMM	0.60	D	mg/L	0.1
pH Field	FDEP FT 1100	3/25/2014	10:59	WMM	7.84	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/25/2014	10:59	WMM	23.24	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/25/2014	10:59	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/25/2014	10:59	WMM	26.81	D	Ft.	0
Iron (Fe)	EPA 200.7	3/26/2014	11:00	TER	4.4	I	ug/L	1.6
Mercury (Hg)	SM 3112 B	3/27/2014	10:30	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	3/26/2014	11:00	TER	7.80		mg/L	0.19
Ammonia (N)	SM 4500-NH3 G	3/28/2014	12:00	IF	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	3/26/2014	11:00	IF	0.26		mg/L	0.03
Color by Observation	Observation	3/25/2014	10:59	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	3/27/2014	11:40	KS	246		mg/L	0.1
Chloride	EPA 300.0	3/26/2014	8:00	AS	27.4		mg/L	0.10

Analysis Comments:

Candia E. Mulhern

Candia E. Mulhern, Laboratory Director

PASCO COUNTY, FLORIDA

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/7/2014

Sample Number: **AC08742**
Sample Method: SP
Date Sampled: 3/25/2014
Time Sampled: 12:19
Sampled By: WMM

Sample ID: 4MW21 @ CLASS III
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/25/2014
Time Received: 15:40
Received By: KS
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/25/2014	12:19	WMM	148	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/25/2014	12:19	WMM	2.23	D	mg/L	0.1
pH Field	FDEP FT 1100	3/25/2014	12:19	WMM	6.93	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/25/2014	12:19	WMM	23.39	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/25/2014	12:19	WMM	1.5	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/25/2014	12:19	WMM	28.11	D	Ft.	0
Iron (Fe)	EPA 200.7	3/26/2014	11:00	TER	17.7		ug/L	1.6
Mercury (Hg)	SM 3112 B	3/27/2014	10:30	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	3/26/2014	11:00	TER	6.53		mg/L	0.19
Ammonia (N)	SM 4500-NH3 G	3/28/2014	12:00	IF	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	3/26/2014	11:00	IF	8.35		mg/L	0.03
Color by Observation	Observation	3/25/2014	12:19	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	3/27/2014	11:40	KS	134		mg/L	0.1
Chloride	EPA 300.0	3/26/2014	8:00	AS	14.0		mg/L	0.10

Analysis Comments:

Candia E. Mulhern

Candia E. Mulhern, Laboratory Director

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/7/2014

Sample Number: **AC08743**
Sample Method: SP
Date Sampled: 3/25/2014
Time Sampled: 12:55
Sampled By: WMM

Sample ID: 4MW22 @ CLASS III
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/25/2014
Time Received: 15:40
Received By: KS
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/25/2014	12:55	WMM	406	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/25/2014	12:55	WMM	1.13	D	mg/L	0.1
pH Field	FDEP FT 1100	3/25/2014	12:55	WMM	7.91	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/25/2014	12:55	WMM	23.24	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/25/2014	12:55	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/25/2014	12:55	WMM	26.88	D	Ft.	0
Iron (Fe)	EPA 200.7	3/26/2014	11:00	TER	6.4	I	ug/L	1.6
Mercury (Hg)	SM 3112 B	3/27/2014	10:30	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	3/26/2014	11:00	TER	6.41		mg/L	0.19
Ammonia (N)	SM 4500-NH3 G	3/28/2014	12:00	IF	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	3/26/2014	11:00	IF	0.21		mg/L	0.03
Color by Observation	Observation	3/25/2014	12:55	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	3/27/2014	11:40	KS	254		mg/L	0.1
Chloride	EPA 300.0	3/26/2014	8:00	AS	21.7		mg/L	0.10

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/21/2014

Sample Number: **AC08986**
Sample Method: SP
Date Sampled: 3/31/2014
Time Sampled: 9:19
Sampled By: WMM

Sample ID: 4MW1 @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/31/2014
Time Received: 16:00
Received By: JB
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/31/2014	9:19	WMM	623	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/31/2014	9:19	WMM	1.14	D	mg/L	0.1
pH Field	FDEP FT 1100	3/31/2014	9:19	WMM	7.02	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/31/2014	9:19	WMM	20.11	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/31/2014	9:19	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/31/2014	9:19	WMM	33.67	D	Ft.	0
Iron (Fe)	EPA 200.7	4/2/2014	12:00	TER	9.9		ug/L	1.6
Mercury (Hg)	SM 3112 B	4/17/2014	11:00	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	4/2/2014	12:00	TER	42.4		mg/L	0.19
Ammonia (N)	SM 4500-NH3 G	4/1/2014	7:30	IF	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	4/2/2014	7:30	IF	0.59		mg/L	0.03
Color by Observation	Observation	3/31/2014	9:19	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	4/2/2014	13:50	KS	416		mg/L	0.1
Chloride	EPA 300.0	4/8/2014	8:00	AS	99.3		mg/L	0.10

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/21/2014

Sample Number: **AC08986**
Sample Method: SP
Date Sampled: 3/31/2014
Time Sampled: 9:19
Sampled By: WMM

Sample ID: 4MW1 @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/31/2014
Time Received: 16:00
Received By: JB
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/10/2014

Sample Number: **AC08897**
Sample Method: SP
Date Sampled: 3/28/2014
Time Sampled: 10:12
Sampled By: WMM

Sample ID: 2MW2 @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/28/2014
Time Received: 16:00
Received By: AC
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/28/2014	10:12	WMM	94	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/28/2014	10:12	WMM	3.28	D	mg/L	0.1
pH Field	FDEP FT 1100	3/28/2014	10:12	WMM	5.96	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/28/2014	10:12	WMM	22.11	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/28/2014	10:12	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/28/2014	10:12	WMM	31.86	D	Ft.	0
Iron (Fe)	EPA 200.7	4/1/2014	10:00	TER	113		ug/L	1.6
Mercury (Hg)	SM 3112 B	4/2/2014	11:00	TER	0.08	I	ug/L	0.03
Sodium (Na)	EPA 200.7	4/1/2014	10:00	TER	3.86		mg/L	0.19
Ammonia (N)	SM 4500-NH3 G	4/1/2014	7:30	IF	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	4/2/2014	7:30	IF	5.14		mg/L	0.03
Color by Observation	Observation	3/28/2014	10:12	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	4/2/2014	13:50	KS	90		mg/L	0.1
Chloride	EPA 300.0	4/8/2014	8:00	AS	6.92		mg/L	0.10

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/10/2014

Sample Number: **AC08897**
Sample ID: 2MW2 @ RESREC
Sample Method: SP
Sample Matrix: AQUEOUS-Groundwater
Date Sampled: 3/28/2014
Time Sampled: 10:12
Sampled By: WMM

Date Received: 3/28/2014
Time Received: 16:00
Received By: AC
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/10/2014

Sample Number: **AC08898**
Sample Method: SP
Date Sampled: 3/28/2014
Time Sampled: 10:23
Sampled By: WMM

Sample ID: 4MW2 @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/28/2014
Time Received: 16:00
Received By: AC
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/28/2014	10:23	WMM	181	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/28/2014	10:23	WMM	1.31	D	mg/L	0.1
pH Field	FDEP FT 1100	3/28/2014	10:23	WMM	6.15	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/28/2014	10:23	WMM	23.26	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/28/2014	10:23	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/28/2014	10:23	WMM	31.37	D	Ft.	0
Iron (Fe)	EPA 200.7	4/1/2014	10:00	TER	5.9	I	ug/L	1.6
Mercury (Hg)	SM 3112 B	4/2/2014	11:00	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	4/1/2014	10:00	TER	2.71		mg/L	0.19
Ammonia (N)	SM 4500-NH3 G	4/1/2014	7:30	IF	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	4/2/2014	7:30	IF	1.86		mg/L	0.03
Color by Observation	Observation	3/28/2014	10:23	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	4/2/2014	13:50	KS	116		mg/L	0.1
Chloride	EPA 300.0	4/8/2014	8:00	AS	6.05		mg/L	0.10

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/10/2014

Sample Number: **AC08898**
Sample Method: SP
Date Sampled: 3/28/2014
Time Sampled: 10:23
Sampled By: WMM

Sample ID: 4MW2 @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/28/2014
Time Received: 16:00
Received By: AC
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/10/2014

Sample Number: **AC08899**
Sample Method: SP
Date Sampled: 3/28/2014
Time Sampled: 12:37
Sampled By: WMM

Sample ID: 4MW4 @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/28/2014
Time Received: 16:00
Received By: AC
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/28/2014	12:37	WMM	310	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/28/2014	12:37	WMM	1.09	D	mg/L	0.1
pH Field	FDEP FT 1100	3/28/2014	12:37	WMM	6.94	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/28/2014	12:37	WMM	26.82	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/28/2014	12:37	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/28/2014	12:37	WMM	24.75	D	Ft.	0
Iron (Fe)	EPA 200.7	4/1/2014	10:00	TER	58.0		ug/L	1.6
Mercury (Hg)	SM 3112 B	4/2/2014	11:00	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	4/1/2014	10:00	TER	5.56		mg/L	0.19
Ammonia (N)	SM 4500-NH3 G	4/1/2014	7:30	IF	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	4/2/2014	7:30	IF	0.20		mg/L	0.03
Color by Observation	Observation	3/28/2014	12:37	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	4/2/2014	13:50	KS	246		mg/L	0.1
Chloride	EPA 300.0	4/8/2014	8:00	AS	18.6		mg/L	0.10

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/10/2014

Sample Number: **AC08899**
Sample Method: SP
Date Sampled: 3/28/2014
Time Sampled: 12:37
Sampled By: WMM

Sample ID: 4MW4 @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/28/2014
Time Received: 16:00
Received By: AC
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/21/2014

Sample Number: **AC08987**
Sample Method: SP
Date Sampled: 3/31/2014
Time Sampled: 13:45
Sampled By: WMM

Sample ID: 4MW5 @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/31/2014
Time Received: 16:00
Received By: JB
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/31/2014	13:45	WMM	324	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/31/2014	13:45	WMM	1.20	D	mg/L	0.1
pH Field	FDEP FT 1100	3/31/2014	13:45	WMM	7.22	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/31/2014	13:45	WMM	23.49	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/31/2014	13:45	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/31/2014	13:45	WMM	25.76	D	Ft.	0
Iron (Fe)	EPA 200.7	4/2/2014	12:00	TER	10.8		ug/L	1.6
Mercury (Hg)	SM 3112 B	4/17/2014	11:00	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	4/2/2014	12:00	TER	23.8		mg/L	0.19
Ammonia (N)	SM 4500-NH3 G	4/1/2014	7:30	IF	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	4/2/2014	7:30	IF	1.10		mg/L	0.03
Color by Observation	Observation	3/31/2014	13:45	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	4/2/2014	13:50	KS	280		mg/L	0.1
Chloride	EPA 300.0	4/9/2014	8:40	AS	76.5		mg/L	0.10

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/21/2014

Sample Number: **AC08987**
Sample Method: SP
Date Sampled: 3/31/2014
Time Sampled: 13:45
Sampled By: WMM

Sample ID: 4MW5 @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/31/2014
Time Received: 16:00
Received By: JB
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/10/2014

Sample Number: **AC08900**
Sample Method: SP
Date Sampled: 3/28/2014
Time Sampled: 11:53
Sampled By: WMM

Sample ID: 4MW6 @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/28/2014
Time Received: 16:00
Received By: AC
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/28/2014	11:53	WMM	124	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/28/2014	11:53	WMM	2.21	D	mg/L	0.1
pH Field	FDEP FT 1100	3/28/2014	11:53	WMM	7.16	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/28/2014	11:53	WMM	27.51	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/28/2014	11:53	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/28/2014	11:53	WMM	28.73	D	Ft.	0
Iron (Fe)	EPA 200.7	4/1/2014	10:00	TER	13.0		ug/L	1.6
Mercury (Hg)	SM 3112 B	4/2/2014	11:00	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	4/1/2014	10:00	TER	4.14		mg/L	0.19
Ammonia (N)	SM 4500-NH3 G	4/1/2014	7:30	IF	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	4/2/2014	7:30	IF	1.45		mg/L	0.03
Color by Observation	Observation	3/28/2014	11:53	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	4/2/2014	13:50	KS	56		mg/L	0.1
Chloride	EPA 300.0	4/8/2014	8:00	AS	5.39		mg/L	0.10

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/10/2014

Sample Number: **AC08900**
Sample Method: SP
Date Sampled: 3/28/2014
Time Sampled: 11:53
Sampled By: WMM

Sample ID: 4MW6 @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/28/2014
Time Received: 16:00
Received By: AC
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/10/2014

Sample Number: **AC08901**
Sample Method: SP
Date Sampled: 3/28/2014
Time Sampled: 14:48
Sampled By: WMM

Sample ID: 4MW11D @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/28/2014
Time Received: 16:00
Received By: AC
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/28/2014	14:48	WMM	299	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/28/2014	14:48	WMM	1.98	D	mg/L	0.1
pH Field	FDEP FT 1100	3/28/2014	14:48	WMM	6.88	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/28/2014	14:48	WMM	25.02	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/28/2014	14:48	WMM	16.5	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/28/2014	14:48	WMM	28.33	D	Ft.	0
Iron (Fe)	EPA 200.7	4/1/2014	10:00	TER	98.2		ug/L	1.6
Mercury (Hg)	SM 3112 B	4/2/2014	11:00	TER	0.06	I	ug/L	0.03
Sodium (Na)	EPA 200.7	4/1/2014	10:00	TER	11.2		mg/L	0.19
Ammonia (N)	SM 4500-NH3 G	4/1/2014	7:30	IF	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	4/2/2014	7:30	IF	0.96		mg/L	0.03
Color by Observation	Observation	3/28/2014	14:48	WMM	CLOUDY	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	4/2/2014	13:50	KS	306		mg/L	0.1
Chloride	EPA 300.0	4/8/2014	8:00	AS	54.0		mg/L	0.10

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/10/2014

Sample Number: **AC08901**
Sample Method: SP
Date Sampled: 3/28/2014
Time Sampled: 14:48
Sampled By: WMM

Sample ID: 4MW11D @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/28/2014
Time Received: 16:00
Received By: AC
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/21/2014

Sample Number: **AC08988**
Sample Method: SP
Date Sampled: 3/31/2014
Time Sampled: 10:39
Sampled By: WMM

Sample ID: 4MW12D @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/31/2014
Time Received: 16:00
Received By: JB
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/31/2014	10:39	WMM	390	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/31/2014	10:39	WMM	0.97	D	mg/L	0.1
pH Field	FDEP FT 1100	3/31/2014	10:39	WMM	7.22	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/31/2014	10:39	WMM	24.55	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/31/2014	10:39	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/31/2014	10:39	WMM	27.90	D	Ft.	0
Iron (Fe)	EPA 200.7	4/2/2014	12:00	TER	10.1		ug/L	1.6
Mercury (Hg)	SM 3112 B	4/17/2014	11:00	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	4/2/2014	12:00	TER	5.86		mg/L	0.19
Ammonia (N)	SM 4500-NH3 G	4/1/2014	7:30	IF	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	4/2/2014	7:30	IF	0.44		mg/L	0.03
Color by Observation	Observation	3/31/2014	10:39	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	4/2/2014	13:50	KS	302		mg/L	0.1
Chloride	EPA 300.0	4/8/2014	8:00	AS	29.9		mg/L	0.10

Analysis Comments:

Candia E. Mulhern

Candia E. Mulhern, Laboratory Director

PASCO COUNTY, FLORIDA

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/21/2014

Sample Number: **AC08988**
Sample Method: SP
Date Sampled: 3/31/2014
Time Sampled: 10:39
Sampled By: WMM

Sample ID: 4MW12D @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/31/2014
Time Received: 16:00
Received By: JB
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/21/2014

Sample Number: **AC08989**
Sample Method: SP
Date Sampled: 3/31/2014
Time Sampled: 10:55
Sampled By: WMM

Sample ID: 4MW13D @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/31/2014
Time Received: 16:00
Received By: JB
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/31/2014	10:55	WMM	420	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/31/2014	10:55	WMM	1.03	D	mg/L	0.1
pH Field	FDEP FT 1100	3/31/2014	10:55	WMM	6.13	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/31/2014	10:55	WMM	25.34	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/31/2014	10:55	WMM	1.1	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/31/2014	10:55	WMM	27.43	D	Ft.	0
Iron (Fe)	EPA 200.7	4/2/2014	12:00	TER	58.3		ug/L	1.6
Mercury (Hg)	SM 3112 B	4/17/2014	11:00	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	4/2/2014	12:00	TER	10.4		mg/L	0.19
Ammonia (N)	SM 4500-NH3 G	4/1/2014	7:30	IF	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	4/2/2014	7:30	IF	0.09		mg/L	0.03
Color by Observation	Observation	3/31/2014	10:55	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	4/2/2014	13:50	KS	282		mg/L	0.1
Chloride	EPA 300.0	4/9/2014	8:40	AS	30.4		mg/L	0.10

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/21/2014

Sample Number: **AC08989**
Sample Method: SP
Date Sampled: 3/31/2014
Time Sampled: 10:55
Sampled By: WMM

Sample ID: 4MW13D @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/31/2014
Time Received: 16:00
Received By: JB
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/21/2014

Sample Number: **AC08990**
Sample Method: SP
Date Sampled: 3/31/2014
Time Sampled: 11:47
Sampled By: WMM

Sample ID: 4MW14D @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/31/2014
Time Received: 16:00
Received By: JB
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/31/2014	11:47	WMM	396	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/31/2014	11:47	WMM	0.97	D	mg/L	0.1
pH Field	FDEP FT 1100	3/31/2014	11:47	WMM	7.18	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/31/2014	11:47	WMM	26.54	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/31/2014	11:47	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/31/2014	11:47	WMM	28.39	D	Ft.	0
Iron (Fe)	EPA 200.7	4/2/2014	12:00	TER	13.8		ug/L	1.6
Mercury (Hg)	SM 3112 B	4/17/2014	11:00	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	4/2/2014	12:00	TER	12.5		mg/L	0.19
Ammonia (N)	SM 4500-NH3 G	4/1/2014	7:30	IF	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	4/2/2014	7:30	IF	0.63		mg/L	0.03
Color by Observation	Observation	3/31/2014	11:47	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	4/2/2014	13:50	KS	268		mg/L	0.1
Chloride	EPA 300.0	4/8/2014	8:00	AS	37.5		mg/L	0.10

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/21/2014

Sample Number: **AC08990**
Sample Method: SP
Date Sampled: 3/31/2014
Time Sampled: 11:47
Sampled By: WMM

Sample ID: 4MW14D @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/31/2014
Time Received: 16:00
Received By: JB
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit

Analysis Comments:

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This Document Meets NELAC Standards

NELAC Certification # E44123

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/21/2014

Sample Number: **AC08982**
Sample Method: SP
Date Sampled: 3/31/2014
Time Sampled: 9:48
Sampled By: WMM

Sample ID: 2MW15DA @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/31/2014
Time Received: 16:00
Received By: JB
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/31/2014	9:48	WMM	278	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/31/2014	9:48	WMM	1.05	D	mg/L	0.1
pH Field	FDEP FT 1100	3/31/2014	9:48	WMM	7.19	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/31/2014	9:48	WMM	21.89	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/31/2014	9:48	WMM	2.1	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/31/2014	9:48	WMM	31.51	D	Ft.	0
Iron (Fe)	EPA 200.7	4/2/2014	12:00	TER	43.6		ug/L	1.6
Mercury (Hg)	SM 3112 B	4/17/2014	11:00	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	4/2/2014	12:00	TER	3.46		mg/L	0.19
Ammonia (N)	SM 4500-NH3 G	4/1/2014	7:30	IF	0.04	I	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	4/2/2014	7:30	IF	0.60		mg/L	0.03
Color by Observation	Observation	3/31/2014	9:48	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	4/2/2014	13:50	KS	170		mg/L	0.1
Chloride	EPA 300.0	4/8/2014	8:00	AS	7.42		mg/L	0.10

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/21/2014

Sample Number: **AC08982**
Sample Method: SP
Date Sampled: 3/31/2014
Time Sampled: 9:48
Sampled By: WMM

Sample ID: 2MW15DA @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/31/2014
Time Received: 16:00
Received By: JB
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/14/2014

Sample Number: **AC08894**
Sample Method: SP
Date Sampled: 3/28/2014
Time Sampled: 12:55
Sampled By: WMM

Sample ID: 2MW17S @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/28/2014
Time Received: 16:00
Received By: AC
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/28/2014	12:55	WMM	221	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/28/2014	12:55	WMM	1.73	D	mg/L	0.1
pH Field	FDEP FT 1100	3/28/2014	12:55	WMM	6.29	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/28/2014	12:55	WMM	24.95	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/28/2014	12:55	WMM	3.2	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/28/2014	12:55	WMM	24.62	D	Ft.	0
Iron (Fe)	EPA 200.7	4/1/2014	10:00	TER	14.0		ug/L	1.6
Mercury (Hg)	SM 3112 B	4/2/2014	11:00	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	4/1/2014	10:00	TER	3.23		mg/L	0.19
Ammonia (N)	SM 4500-NH3 G	4/1/2014	7:30	IF	0.08	I	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	4/2/2014	7:30	IF	31.8	XC	mg/L	0.03
Color by Observation	Observation	3/28/2014	12:55	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	4/2/2014	13:50	KS	336		mg/L	0.1
Chloride	EPA 300.0	4/9/2014	8:40	AS	12.7		mg/L	0.10

Analysis Comments:

Candia E. Mulhern

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/14/2014

Sample Number: **AC08894**
Sample Method: SP
Date Sampled: 3/28/2014
Time Sampled: 12:55
Sampled By: WMM

Sample ID: 2MW17S @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/28/2014
Time Received: 16:00
Received By: AC
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/10/2014

Sample Number: **AC08895**
Sample Method: SP
Date Sampled: 3/28/2014
Time Sampled: 13:18
Sampled By: WMM

Sample ID: 2MW18D @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/28/2014
Time Received: 16:00
Received By: AC
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/28/2014	13:18	WMM	428	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/28/2014	13:18	WMM	1.02	D	mg/L	0.1
pH Field	FDEP FT 1100	3/28/2014	13:18	WMM	6.82	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/28/2014	13:18	WMM	24.79	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/28/2014	13:18	WMM	3.5	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/28/2014	13:18	WMM	24.59	D	Ft.	0
Iron (Fe)	EPA 200.7	4/1/2014	10:00	TER	47.7		ug/L	1.6
Mercury (Hg)	SM 3112 B	4/2/2014	11:00	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	4/1/2014	10:00	TER	11.5		mg/L	0.19
Ammonia (N)	SM 4500-NH3 G	4/1/2014	7:30	IF	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	4/2/2014	7:30	IF	0.03	U	mg/L	0.03
Color by Observation	Observation	3/28/2014	13:18	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	4/2/2014	13:50	KS	310		mg/L	0.1
Chloride	EPA 300.0	4/8/2014	8:00	AS	36.3		mg/L	0.10

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/10/2014

Sample Number: **AC08895**
Sample Method: SP
Date Sampled: 3/28/2014
Time Sampled: 13:18
Sampled By: WMM

Sample ID: 2MW18D @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/28/2014
Time Received: 16:00
Received By: AC
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/14/2014

Sample Number: **AC08896**
Sample Method: SP
Date Sampled: 3/28/2014
Time Sampled: 13:42
Sampled By: WMM

Sample ID: 2MW19D @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/28/2014
Time Received: 16:00
Received By: AC
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/28/2014	13:42	WMM	423	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/28/2014	13:42	WMM	1.04	D	mg/L	0.1
pH Field	FDEP FT 1100	3/28/2014	13:42	WMM	6.92	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/28/2014	13:42	WMM	25.46	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/28/2014	13:42	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/28/2014	13:42	WMM	25.37	D	Ft.	0
Iron (Fe)	EPA 200.7	4/1/2014	10:00	TER	10.0		ug/L	1.6
Mercury (Hg)	SM 3112 B	4/2/2014	11:00	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	4/1/2014	10:00	TER	8.44		mg/L	0.19
Ammonia (N)	SM 4500-NH3 G	4/1/2014	7:30	IF	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	4/2/2014	7:30	IF	0.29		mg/L	0.03
Color by Observation	Observation	3/28/2014	13:42	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	4/2/2014	13:50	KS	286		mg/L	0.1
Chloride	EPA 300.0	4/9/2014	8:40	AS	27.0		mg/L	0.10

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/14/2014

Sample Number: **AC08896**
Sample Method: SP
Date Sampled: 3/28/2014
Time Sampled: 13:42
Sampled By: WMM

Sample ID: 2MW19D @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/28/2014
Time Received: 16:00
Received By: AC
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/21/2014

Sample Number: **AC08983**
Sample Method: SP
Date Sampled: 3/31/2014
Time Sampled: 12:06
Sampled By: WMM

Sample ID: 2MW-24D @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/31/2014
Time Received: 16:00
Received By: JB
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/31/2014	12:06	WMM	490	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/31/2014	12:06	WMM	1.01	D	mg/L	0.1
pH Field	FDEP FT 1100	3/31/2014	12:06	WMM	7.13	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/31/2014	12:06	WMM	25.56	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/31/2014	12:06	WMM	1.5	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/31/2014	12:06	WMM	27.11	D	Ft.	0
Iron (Fe)	EPA 200.7	4/2/2014	12:00	TER	36.5		ug/L	1.6
Mercury (Hg)	SM 3112 B	4/17/2014	11:00	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	4/2/2014	12:00	TER	22.3		mg/L	0.19
Ammonia (N)	SM 4500-NH3 G	4/1/2014	7:30	IF	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	4/2/2014	7:30	IF	1.68		mg/L	0.03
Color by Observation	Observation	3/31/2014	12:06	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	4/2/2014	13:50	KS	338		mg/L	0.1
Chloride	EPA 300.0	4/9/2014	8:40	AS	57.3		mg/L	0.10

Analysis Comments:

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

CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/21/2014

Sample Number: **AC08983**
Sample Method: SP
Date Sampled: 3/31/2014
Time Sampled: 12:06
Sampled By: WMM

Sample ID: 2MW-24D @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/31/2014
Time Received: 16:00
Received By: JB
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit

Analysis Comments:

Candia E. Mulhern

Candia E. Mulhern, Laboratory Director

PASCO COUNTY, FLORIDA

"Bringing Opportunities Home"

Environmental Laboratory
8864 Government Dr
New Port Richey, FL 34654
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Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/21/2014

Sample Number: **AC08984**
Sample Method: SP
Date Sampled: 3/31/2014
Time Sampled: 12:21
Sampled By: WMM

Sample ID: 2MW-25D @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/31/2014
Time Received: 16:00
Received By: JB
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/31/2014	12:21	WMM	670	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/31/2014	12:21	WMM	0.72	D	mg/L	0.1
pH Field	FDEP FT 1100	3/31/2014	12:21	WMM	6.92	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/31/2014	12:21	WMM	25.06	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/31/2014	12:21	WMM	1.1	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/31/2014	12:21	WMM	28.38	D	Ft.	0
Iron (Fe)	EPA 200.7	4/2/2014	12:00	TER	232		ug/L	1.6
Mercury (Hg)	SM 3112 B	4/17/2014	11:00	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	4/2/2014	12:00	TER	37.1		mg/L	0.19
Ammonia (N)	SM 4500-NH3 G	4/1/2014	7:30	IF	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	4/2/2014	7:30	IF	1.08		mg/L	0.03
Color by Observation	Observation	3/31/2014	12:21	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	4/2/2014	13:50	KS	472		mg/L	0.1
Chloride	EPA 300.0	4/9/2014	8:40	AS	89.5		mg/L	0.10

Analysis Comments:

Candia E. Mulhern, Laboratory Director

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

CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/21/2014

Sample Number: **AC08984**
Sample Method: SP
Date Sampled: 3/31/2014
Time Sampled: 12:21
Sampled By: WMM

Sample ID: 2MW-25D @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/31/2014
Time Received: 16:00
Received By: JB
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit

Analysis Comments:

Candia E. Mulhern, Laboratory Director

PASCO COUNTY, FLORIDA

"Bringing Opportunities Home"

Environmental Laboratory
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Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/21/2014

Sample Number: **AC08985**
Sample Method: SP
Date Sampled: 3/31/2014
Time Sampled: 12:42
Sampled By: WMM

Sample ID: 2MW-26D @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/31/2014
Time Received: 16:00
Received By: JB
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/31/2014	12:42	WMM	568	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/31/2014	12:42	WMM	0.91	D	mg/L	0.1
pH Field	FDEP FT 1100	3/31/2014	12:42	WMM	7.17	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/31/2014	12:42	WMM	24.83	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/31/2014	12:42	WMM	1.1	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/31/2014	12:42	WMM	29.01	D	Ft.	0
Iron (Fe)	EPA 200.7	4/2/2014	12:00	TER	23.5		ug/L	1.6
Mercury (Hg)	SM 3112 B	4/17/2014	11:00	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	4/2/2014	12:00	TER	34.3		mg/L	0.19
Ammonia (N)	SM 4500-NH3 G	4/1/2014	7:30	IF	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	4/2/2014	7:30	IF	0.66		mg/L	0.03
Color by Observation	Observation	3/31/2014	12:42	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	4/2/2014	13:50	KS	230		mg/L	0.1
Chloride	EPA 300.0	4/9/2014	8:40	AS	62.0		mg/L	0.10

Analysis Comments:

Candia E. Mulhern, Laboratory Director

PASCO COUNTY, FLORIDA

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

CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/21/2014

Sample Number: **AC08985**
Sample Method: SP
Date Sampled: 3/31/2014
Time Sampled: 12:42
Sampled By: WMM

Sample ID: 2MW-26D @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/31/2014
Time Received: 16:00
Received By: JB
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit

Analysis Comments:

Candia E. Mulhern, Laboratory Director

PASCO COUNTY, FLORIDA

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/7/2014

Sample Number: **AC08738**
Sample Method: SP
Date Sampled: 3/25/2014
Time Sampled: 14:42
Sampled By: WMM

Sample ID: 2MW27D @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/25/2014
Time Received: 15:40
Received By: KS
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/25/2014	14:42	WMM	652	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/25/2014	14:42	WMM	1.18	D	mg/L	0.1
pH Field	FDEP FT 1100	3/25/2014	14:42	WMM	8.09	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/25/2014	14:42	WMM	23.32	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/25/2014	14:42	WMM	1.6	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/25/2014	14:42	WMM	30.01	D	Ft.	0
Iron (Fe)	EPA 200.7	3/26/2014	11:00	TER	10.9		ug/L	1.6
Mercury (Hg)	SM 3112 B	3/27/2014	10:30	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	3/26/2014	11:00	TER	64.6		mg/L	0.19
Ammonia (N)	SM 4500-NH3 G	3/28/2014	12:00	IF	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	3/26/2014	11:00	IF	0.91		mg/L	0.03
Color by Observation	Observation	3/25/2014	14:42	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	3/27/2014	11:40	KS	322		mg/L	0.1
Chloride	EPA 300.0	3/26/2014	8:00	AS	120		mg/L	0.10

Analysis Comments:

Candia E. Mulhern

Candia E. Mulhern, Laboratory Director

PASCO COUNTY, FLORIDA

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Environmental Laboratory
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Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/7/2014

Sample Number: **AC08738**
Sample Method: SP
Date Sampled: 3/25/2014
Time Sampled: 14:42
Sampled By: WMM

Sample ID: 2MW27D @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/25/2014
Time Received: 15:40
Received By: KS
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit

Analysis Comments:

Candia E. Mulhern, Laboratory Director

PASCO COUNTY, FLORIDA

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/7/2014

Sample Number: **AC08744**
Sample Method: SP
Date Sampled: 3/25/2014
Time Sampled: 14:09
Sampled By: WMM

Sample ID: 4MW27 @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/25/2014
Time Received: 15:40
Received By: KS
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/25/2014	14:09	WMM	409	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/25/2014	14:09	WMM	0.51	D	mg/L	0.1
pH Field	FDEP FT 1100	3/25/2014	14:09	WMM	8.16	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/25/2014	14:09	WMM	23.52	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/25/2014	14:09	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/25/2014	14:09	WMM	30.10	D	Ft.	0
Iron (Fe)	EPA 200.7	3/26/2014	11:00	TER	2.5	I	ug/L	1.6
Mercury (Hg)	SM 3112 B	3/27/2014	10:30	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	3/26/2014	11:00	TER	50.6		mg/L	0.19
Ammonia (N)	SM 4500-NH3 G	3/28/2014	12:00	IF	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	3/26/2014	11:00	IF	0.80		mg/L	0.03
Color by Observation	Observation	3/25/2014	14:09	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	3/27/2014	11:40	KS	304		mg/L	0.1
Chloride	EPA 300.0	3/26/2014	8:00	AS	120		mg/L	0.10

Analysis Comments:

Candia E. Mulhern, Laboratory Director

PASCO COUNTY, FLORIDA

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/7/2014

Sample Number: **AC08744**
Sample ID: 4MW27 @ RESREC
Sample Method: SP
Sample Matrix: AQUEOUS-Groundwater
Date Sampled: 3/25/2014
Time Sampled: 14:09
Sampled By: WMM

Date Received: 3/25/2014
Time Received: 15:40
Received By: KS
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit

Analysis Comments:

Candia E. Mulhern, Laboratory Director

PASCO COUNTY, FLORIDA

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CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/7/2014

Sample Number: **AC08745**
Sample Method: SP
Date Sampled: 3/25/2014
Time Sampled: 15:30
Sampled By: WMM

Sample ID: 4MW27D @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/25/2014
Time Received: 15:40
Received By: KS
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	3/25/2014	15:30	WMM	212	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	3/25/2014	15:30	WMM	1.04	D	mg/L	0.1
pH Field	FDEP FT 1100	3/25/2014	15:30	WMM	8.57	D	Std Units	0.10
Temperature Field	FDEP FT 1400	3/25/2014	15:30	WMM	23.37	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	3/25/2014	15:30	WMM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	3/25/2014	15:30	WMM	30.09	D	Ft.	0
Iron (Fe)	EPA 200.7	3/26/2014	11:00	TER	1.8	I	ug/L	1.6
Mercury (Hg)	SM 3112 B	3/27/2014	10:30	TER	0.03	U	ug/L	0.03
Sodium (Na)	EPA 200.7	3/26/2014	11:00	TER	8.08		mg/L	0.19
Ammonia (N)	SM 4500-NH3 G	3/28/2014	12:00	IF	0.03	U	mg/L	0.03
Nitrate (N)	SM 4500-NO3 F	3/26/2014	11:00	IF	0.19		mg/L	0.03
Color by Observation	Observation	3/25/2014	15:30	WMM	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	3/27/2014	11:40	KS	152		mg/L	0.1
Chloride	EPA 300.0	3/26/2014	8:00	AS	5.68		mg/L	0.10

Analysis Comments:

Candia E. Mulhern, Laboratory Director

PASCO COUNTY, FLORIDA

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Environmental Laboratory
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Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION

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

Date Reported: 4/7/2014

Sample Number: **AC08745**
Sample Method: SP
Date Sampled: 3/25/2014
Time Sampled: 15:30
Sampled By: WMM

Sample ID: 4MW27D @ RESREC
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/25/2014
Time Received: 15:40
Received By: KS
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit

Analysis Comments:

Candia E. Mulhern

Candia E. Mulhern, Laboratory Director

PASCO COUNTY, FLORIDA

"Bringing Opportunities Home"

Environmental Laboratory
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CLIENT/SAMPLE INFORMATION

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

Date Reported: 3/26/2014

Sample Number: **AC08746**
Sample Method: SP
Date Sampled: 3/25/2014
Time Sampled: 13:05
Sampled By: WMM

Sample ID: 4MW3A @ CLASS III
Sample Matrix: AQUEOUS-Groundwater

Date Received: 3/25/2014
Time Received: 15:40
Received By: KS
Delivered By: WMM

REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qual	Unit	Detection Limit
Water Level (NGVD)	DEP-SOP	3/25/2014	13:05	WMM	26.19	D	Ft.	0

Analysis Comments:

Candia E. Mulhern

Candia E. Mulhern, Laboratory Director

SOUTHERN ANALYTICAL LABORATORIES, INC.

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

SAL Project No. 1403170

Client Name: Pasco Co Utilities

Contact / Phone: 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

PARAMETER / CONTAINER DESCRIPTION

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)
01	4MW-7	03/25/14	0950	GW		X	1	3	3						7
~~02~~	Trip Blank			R		X		8 wm ~~7~~							8 ~~2~~ wm
02	4MW-9	03/25/14	1059	GW		X	1	3	3						7
03	4MW-8	03/25/14	1151	GW		X	1	3	3						7
04	4MW-21	03/25/14	1219	GW		X	1	3	3						7
05	4MW-22	03/25/14	1255	GW		X	1	3	3						7
06	4MW-27	03/25/14	1409	GW		X	1	3	3						7
07	2MW-27D	03/25/14	1442	GW		X	1	3	3						7
08	4MW-27D	03/25/14	1530	GW		X	1	3	3						7
												Sentto			
												S.A.L.			
												3/26/14			

Containers Prepared/ Relinquished:	Date/Time:	Received:	Date/Time:
Containers Prepared/ Relinquished: S Lynn	9:30AM 8/12		0700 03/25/14
Relinquished:	1540 03/25/14		1540 3/25/14
Relinquished:	1445 3/26/14		1445 3/26/14
Relinquished:	1500 3/26/14		3-26-14 1500
Relinquished:			

Seal intact? [✓ Y] N N/A

Samples intact upon arrival? [✓ Y] N N/A

Received on ice? Temp 1.0 [✓ Y] N N/A

Proper preservatives indicated? [✓ Y] N N/A

Rec'd within holding time? [✓ Y] N N/A

Volatiles rec'd w/out headspace? [✓ Y] N N/A

Proper containers used? [✓ Y] N N/A

Instructions / Remarks

Chain of Custody.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. 1403170

Client Name: Pasco Co Utilities

Contact / Phone: Candia Mulhern 727-847-8902

Project Name / Location: 45799 (Res. Rec.) Appendix I Analyses

Samplers: (Signature) Wilfred M

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

PARAMETER / CONTAINER DESCRIPTION

SAL Use Only Sample No	Sample Description	Date	Time	Matrix	Composite	Grab	250 mL P, HNO3 * 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)
17 ~~01~~	4MW-1	03/31/14	0919	GW		X	1	3	3						7
27 ~~02~~	Trip Blank			R		X		1							
18	2MW-15DA	03/31/14	0948	GW		X	1	3	3						9 Zwmm 3/31/14
19	4MW-12D	03/31/14	1039	GW		X	1	3	3						7
20	4MW-13D	03/31/14	1055	GW		X	1	3	3						
21	4MW-14D	03/31/14	1147	GW		X	1	3	3						
22	2MW-24D	03/31/14	1206	GW		X	1	3	3						
23	2MW-25D	03/31/14	1221	GW		X	1	3	3						
24	2MW-26D	03/31/14	1242	GW		X	1	3	3						
25	4MW-5	03/31/14	1345	GW		X	1	3	3				Sent	to	
													S.A.L.		
													4/2/14		

Containers/Prepared/ Relinquished:	Date/Time:	Received:	Date/Time:
S Hartley	1100 03.20.14		0700 03/31/14
Relinquished:	Date/Time: 1600 03/31/14	Received:	Date/Time: 16:00 3/31/14
Relinquished:	Date/Time: 1245 4/2/14	Received:	Date/Time: 1245 4-2-14
Relinquished:	Date/Time: 1505 4-2-14	Received:	Date/Time: 1505 4-2-14
Relinquished:	Date/Time:	Received:	Date/Time:

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

Instructions / Remarks

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

Chain of Custody

SOUTHERN ANALYTICAL LABORATORIES, INC.

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

SAL Project No. 1403170

Client Name: Pasco Co Utilities

Contact / Phone: 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

PARAMETER / CONTAINER DESCRIPTION

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)
09 ~~01~~	2mw-2	03/28/14	1012	GW		X	1	3	3						7
26 ~~02~~	Trip Blank			R		X		1							8 ~~2~~ 3/28/14
10	4 MW-2	03/28/14	1023	GW		X	1	3	3						7
11	4 MW-6	03/28/14	1153	GW		X	1	3	3						7
12	4 MW-4	03/28/14	1237	GW		X	1	3	3						7
13	2 MW-17S	03/28/14	1255	GW		X	1	3	3						7
14	2 MW-18D	03/28/14	1318	GW		X	1	3	3						7
15	2MW-19D	03/28/14	1342	GW		X	1	3	3						7
16	4MW-11D	03/28/14	1448	GW		X	1	3	3						7
												Sent to			
												S.A.L.			
												4/2/14			

Containers Prepared/ Relinquished:	Date/Time:	Received:	Date/Time:
S Hartley	[illegible] 03/20/14	W. mme	0700 03/28/14
Relinquished: W. mme	16:00 03/28/14	Received:	16:00 3/28/14
Relinquished:	1245 4/2/14	Received:	1245 4-2-14
Relinquished:	1505 4-2-14	Received:	1505 4-2-14
Relinquished:	Date/Time:	Received:	Date/Time:

Seal intact? Y N [✓ N/A]

Samples intact upon arrival? [✓ Y] N N/A

Received on ice? Temp_____ [✓ Y] N N/A

Proper preservatives indicated? [✓ Y] N N/A

Rec'd within holding time? [✓ Y] N N/A

Volatiles rec'd w/out headspace? [✓ Y] N N/A

Proper containers used? [✓ Y] N N/A

Instructions / Remarks

Chain of Custody.xls
Rev.Date 11.19.01

Chain of Custody

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

REMARKS **WELL IS DRY.**

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

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

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.

2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3) **pH**: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW2	DATE:	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				24.55	BP

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

TWD:	36	STATIC WATER:	24.55	GALLONS/FOOT:	0.16	1 WELL VOLUME=	1.832

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):
		930	958	2.75

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)
958	1.83	1.83	0.07	24.60	6.01	22.08	96	3.21	0.0	CLEAR	NONE
1005	0.46	2.29	0.07	24.60	5.97	22.10	95	3.24	0.0	CLEAR	NONE
1012	0.46	2.75	0.07	24.60	5.96	22.11	94	3.28	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:	1012
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	3/25/14	06	BP
2MW2	2	PE	250	H2SO4	1	<2	NH3,NO3	3/25/14	06	BP
2MW2	1	PE	250	HNO3	2	<2	FE,HG,NA	1/6/14	04	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=31.86**	

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:	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 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:	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

DRY WELL

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								

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

REMARKS **WELL IS DRY.**

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

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

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3) **pH**: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW5	DATE:	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			INTENDED ANALYSIS and/or METHOD	EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		
2MW5	0	PE	250	NONE	NONE	N/A	TDS,SO4,TURB.	BP
2MW5	0	PE	125	NONE	NONE	N/A	CL	BP
2MW5	0	PE	250	H2SO4	1	<2	NH3,NO3	BP
2MW5	0	PE	200	HNO3	1	<2	FE,HG,NA	BP
2MW5	0	PE	500	HNO3	NONE	<2	APP.I ICP METALS	BP
2MW5	0	CG	40	HCL	NONE	<2	APP.I 8260	BP
2MW5	0	CG	40	NONE	NONE	N/A	APP.I 8011	BP

REMARKS **WELL IS DRY**

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

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

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3) **pH**:
+/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2)
optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW6	DATE:	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				
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH	INTENDED ANALYSIS and/or METHOD	EQUIP. CODE:
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 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:	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 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:	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 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:	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 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:	2MW13D	DATE:	March 25, 2014

PURGING DATA

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

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

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

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

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

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

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

DRY WELL

***WATER LEVEL IS BELOW TOP OF PUMP.

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

SAMPLING DATA

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

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

REMARKS **WELL IS DRY.**

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

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

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3) **pH**:
+/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2)
optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW15AD	DATE:	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 EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump; **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C. 2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3) **pH**: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW18D	DATE:	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				28.16	BP

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

TWD:	40	STATIC WATER:	28.16	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	1.8944

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	1306	5.67

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1306	1.89	1.89	0.32	28.20	6.76	24.74	432	0.97	6.1	CLOUDY	NONE
1312	1.89	3.78	0.32	28.20	6.80	24.77	431	1.00	4.2	CLEAR	NONE
1318	1.89	5.67	0.32	28.20	6.82	24.79	428	1.02	3.5	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:	1318
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	2	PE	250	H2SO4	1	<2	NH3,NO3	3/25/14	06	BP
2MW18D	1	PE	500	HNO3	1	<2	FE,HG,NA	1/6/14	04	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=24.59	

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

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

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C. 2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3) **pH**: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW19D	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				26.88	BP

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

TWD:	55	STATIC WATER:	26.88	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	4.4992

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):
		1320	1334	6.72

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. (NTU)	COLOR (describe)	ODOR (describe)
1334	4.50	4.50	0.32	27.00	6.88	25.40	430	1.10	0.0	CLEAR	NONE
1338	1.11	5.61	0.32	27.00	6.90	25.42	425	1.06	0.0	CLEAR	NONE
1342	1.11	6.72	0.32	27.00	6.92	25.46	423	1.04	0.0	CLEAR	NONE

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

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

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	Wilfred Martfeld	STARTED:		ENDED:	1342
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	3/25/14	06	BP
2MW19D	2	PE	250	H2SO4	1	<2	NH3,NO3	3/25/14	06	BP
2MW19D	1	PE	500	HNO3	1	<2	FE,HG,NA	1/6/14	04	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=25.37**

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 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				23.44	BP

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

TWD:	44.00	STATIC WATER:	23.44	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	3.2896

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):
		1150	1158	6.58

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)
1158	3.29	3.29	0.42	23.50	7.20	25.53	487	1.08	6.2	CLEAR	NONE
1202	1.65	4.93	0.42	23.50	7.18	25.54	489	1.05	3.5	CLEAR	NONE
1206	1.65	6.58	0.42	23.50	7.13	25.56	490	1.01	1.5	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	D:		ENDED:	1206	
PUMP OR TUBING IN WELL (feet):	43.0-46.0	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	
2MW24D	1	PE	250	NONE	NONE	N/A	CL,TDS	3/25/14	06	BP
2MW24D	2	PE	250	H2SO4	1	<2	NH3,NO3	3/26/14	01	BP
2MW24D	1	PE	500	HNO3	1	<2	FE,HG,NA	3/25/14	02	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=27.11**	

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 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				22.19	BP

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

TWD:	26.00	STATIC WATER:	22.19	GALLONS/FOOT:	0.16	1 WELL VOLUME=	0.6096

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):
				0.61

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
	0.61	0.61	0.03								
	0.00	0.61	0.03								
0900	0.00	0.61	0.03								

IFS

***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:	900
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):		

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		
2MW24S	0	PE	250	NONE	NONE	N/A	CL,TDS	
2MW24S	0	PE	250	H2SO4	1	<2	NH3,NO3	
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=28.18**	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 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				19.49	BP

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

TWD:	32	STATIC WATER:	19.49	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	2.0016

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1210	1216	4.00

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)
1216	2.00	2.00	0.32	19.50	6.85	24.97	673	0.92	7.3	CLEAR	NONE
1219	1.00	3.00	0.32	19.50	6.90	25.01	671	0.88	3.5	CLEAR	NONE
1221	1.00	4.00	0.32	19.50	6.92	25.06	670	0.72	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:	1221
PUMP OR TUBING IN WELL (feet):	43.0-46.0	SAMPLE PUMP FLOW RATE (ML/MIN.):	1200			TUBING MATERIAL CODE:	T
FIELD DECONTAMINATION:	YES	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
2MW25D	1	PE	250	NONE	NONE	N/A	CL,TDS	3/26/14	01	BP
2MW25D	2	PE	250	H2SO4	1	<2	NH3,NO3	3/26/14	01	BP
2MW25D	1	PE	500	HNO3	1	<2	FE,HG,NA	1/6/14	04	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= 28.38**

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 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				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									
	0.00	0.00									
0906	0.00	0.00									

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:	906
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 (16.86 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 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				25.12	BP

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

TWD:	55	STATIC WATER:	25.12	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	4.7808

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):
		1225	1236	7.17

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)
1236	4.78	4.78	0.42	25.20	7.24	24.80	564	1.06	5.8	CLEAR	NONE
1239	1.20	5.98	0.42	25.20	7.20	24.82	566	1.02	3.5	CLEAR	NONE
1242	1.20	7.17	0.42	25.20	7.17	24.83	568	0.91	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:	1242
PUMP OR TUBING IN WELL (feet):	43.0-46.0	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	
2MW26D	1	PE	250	NONE	NONE	N/A	CL,TDS	3/16/14	08	BP
2MW26D	1	PE	250	H2SO4	1	<2	NH3,NO3	3/26/14	01	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= 29.01**	

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 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				DRY	BP

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

TWD:	55	STATIC WATER:	55	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								
0912	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:	912	
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

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 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				20.31	BP

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

TWD:	42	STATIC WATER:	20.31	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	3.4704

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):
		1410	1432	5.21

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)
1432	3.47	3.47	0.16	20.40	7.96	23.26	641	1.12	4.9	CLEAR	NONE
1437	0.87	4.34	0.16	20.40	7.98	23.31	647	1.15	4.2	CLEAR	NONE
1442	0.87	5.21	0.16	20.40	8.09	23.32	652	1.18	1.6	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:	1442
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	
2MW27D	1	PE	250	NONE	NONE	N/A	CL,TDS	3/9/14	05	BP
2MW27D	1	PE	250	H2SO4	1	<2	NH3,NO3	3/9/14	05	BP
2MW27D	1	PE	500	HNO3	1	<2	FE,HG,NA	3/9/14	03	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=30.01**

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 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:
4				16.67	BP

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

TWD:	42	STATIC WATER:	16.67	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	16.4645

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):
		0820	0859	24.69

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)
0859	16.46	16.46	0.42	16.70	7.11	20.05	617	1.15	0.0	CLEAR	NONE
0909	4.12	20.58	0.42	16.70	7.05	20.10	621	1.16	0.0	CLEAR	NONE
0919	4.12	24.69	0.42	16.70	7.02	20.11	623	1.14	0.0	CLEAR	NONE

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot):**0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88

TUBING INSIDE DIA. CAPACITY(Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*	STARTED:		ENDED:	0919
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	2	PE	250	H2SO4	1	<2	NH3,NO3	3/16/14	08	BP
4MW1	1	PE	500	HNO3	1	<2	FE,HG,NA	3/16/14	05	BP
4MW1	1	PE	500	HNO3	NONE	<2	APP.I ICP METALS			BP
4MW1	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
4MW1	3	CG	40	NONE	NONE	N/A	APP.I 8011			BP
4MW1	1	CG	40	HCL	NONE	<2	TRIP BLANK			O

REMARKS	**NGVD=33.67**	

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 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:
4				24.74	BP

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

TWD:	69	STATIC WATER:	24.74	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	28.769

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	0955	43.15

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 (observed)	ODOR (observed)
0955	28.77	28.77	0.53	24.80	6.20	23.21	177	1.25	0.0	CLEAR	NONE
1009	7.19	35.96	0.53	24.80	6.18	23.24	180	1.28	0.0	CLEAR	NONE
1023	7.19	43.15	0.53	24.80	6.15	23.26	181	1.31	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:	1023
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	2000	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	3/25/14	06	BP
4MW2	2	PE	250	H2SO4	1	<2	NH3,NO3	3/25/14	06	BP
4MW2	1	PE	250	HNO3	1	<2	FE,HG,NA	3/25/14	02	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=31.37**	

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 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:	4MW4	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:
4				26.06	BP

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

TWD:	42.00	STATIC WATER:	26.06	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	10.361

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	1225	15.54

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)
1225	10.36	10.36	0.42	26.10	6.82	26.80	308	1.04	0.0	CLEAR	NONE
1231	2.59	12.95	0.42	26.10	6.91	26.81	309	1.07	0.0	CLEAR	NONE
1237	2.59	15.54	0.42	26.10	6.94	26.82	310	1.09	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:	1237

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.	3/25/14	06	BP
4MW4	2	PE	250	H2SO4	1	<2	NH3,NO3	3/16/14	08	BP
4MW4	1	PE	500	HNO3	1	<2	FE,HG,NA	1/6/14	04	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=24.75**	

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

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

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C. 2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3) **pH**: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LA

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	4MW5	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:
4				23.30	BP

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

TWD:	77.00	STATIC WATER:	23.30	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	34.905

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):
		1250	1327	52.36

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)
1327	34.91	34.91	0.94	23.30	7.14	23.41	322	1.17	0.0	CLEAR	NONE
1336	8.73	43.63	0.94	23.30	7.18	23.45	321	1.18	0.0	CLEAR	NONE
1345	8.73	52.36	0.94	23.30	7.22	23.49	324	1.20	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:	1345
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	
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 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:
4				27.20	BP

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

TWD:	107.00	STATIC WATER:	27.20	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	51.87

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	1125	77.81

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)
1125	51.87	51.87	0.94	27.20	7.09	27.47	120	2.16	0.0	CLEAR	NONE
1139	12.97	64.84	0.94	27.20	7.12	27.50	121	2.18	0.0	CLEAR	NONE
1153	12.97	77.81	0.94	27.20	7.16	27.51	124	2.21	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:	1153
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	
4MW6	1	PE	250	NONE	NONE	N/A	CL,TDS	3/25/14	06	BP
4MW6	2	PE	250	H2SO4	1	<2	NH3,NO3	3/25/14	06	BP
4MW6	1	PE	250	HNO3	1	<2	FE,HG,NA	2/24/14	02	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=28.73**

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 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				24.23	BP

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

TWD:	50.00	STATIC WATER:	24.23	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	16.7505

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):
		0850	0930	25.13

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)
0930	16.75	16.75	0.42	24.30	7.35	21.14	340	1.14	8.9	CLEAR	NONE
0940	4.19	20.94	0.42	24.30	7.49	21.23	335	1.15	0.0	CLEAR	NONE
0950	4.19	25.13	0.42	24.30	7.48	21.25	339	1.11	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	:		ENDED:	950	
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	1600	TUBING MATERIAL CODE:	T		
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
4MW7	1	PE	250	NONE	NONE	N/A	CL,TDS	3/9/14	05	BP
4MW7	2	PE	250	H2SO4	20DROPS	<2	NH3,NO3	3/9/14	05	BP
4MW7	1	PE	500	HNO3	20DROPS	<2	FE,HG,NA	1/6/14	04	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=28.39**	

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

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

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3) **pH**: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) Optionally, +/- 0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	WEST PASCO CLASS III LF	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	4MW8	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				23.57	BP

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

TWD:	41.00	STATIC WATER:	23.57	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	11.3295

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):
		1110	1137	16.99

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)	COLOR (describe)	ODOR (describe)
1137	11.33	11.33	0.42	23.54	7.98	22.86	287	0.89	0.0	CLEAR	NONE
1144	2.83	14.16	0.42	23.54	8.01	22.88	284	0.67	0.0	CLEAR	NONE
1151	2.83	16.99	0.42	23.54	8.07	22.90	280	0.49	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:	1151
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	1600	TUBING MATERIAL CODE:	T	
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE: NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
4MW8	1	PE	250	NONE	NONE	N/A	CL,TDS	3/16/14	08	BP
4MW8	2	PE	250	H2SO4	20DROPS	<2	NH3,NO3	3/9/14	05	BP
4MW8	1	PE	500	HNO3	20DROPS	<2	FE,HG,NA	1/6/14	04	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=28.30**

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:	4MW9	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				25.97	BP

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

TWD:	51.00	STATIC WATER:	25.97	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	16.2695

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1000	1039	24.40

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)
1039	16.27	16.27	0.42	26.00	7.93	23.11	373	0.76	0.0	CLEAR	NONE
1049	4.07	20.34	0.42	26.00	7.84	23.21	380	0.66	0.0	CLEAR	NONE
1059	4.07	24.40	0.42	26.00	7.84	23.24	374	0.60	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:	1059
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	1600	TUBING MATERIAL CODE:	T	
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE: NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
4MW9	1	PE	250	NONE	NONE	N/A	CL,TDS	3/9/14	05	BP
4MW9	2	PE	250	H2SO4	1	<2	NH3,NO3	2/26/14	06	BP
4MW9	1	PE	500	HNO3	1	<2	FE,HG,NA	3/9/14	03	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=26.81**	

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:	4MW11D	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:
4				36.67	BP

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

TWD:	52	STATIC WATER:	36.67	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	9.9645

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	1432	14.94

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTU)	COLOR (describe)	ODOR (describe)
1432	9.96	9.96	0.32	36.70	6.84	34.94	291	1.94	19.6	CLOUDY	NONE
1440	2.49	12.45	0.32	36.70	6.85	24.98	296	1.95	18.1	CLOUDY	NONE
1448	2.49	14.94	0.32	36.70	6.88	25.02	299	1.98	16.5	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:	1448
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	3/25/14	06	BP
4MW11D	2	PE	250	H2SO4	1	<2	NH3,NO3	3/25/14	06	BP
4MW11D	1	PE	500	HNO3	2	<2	FE,HG,NA	3/25/14	02	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=28.33**	

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 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:
4				27.13	BP

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

TWD:	55.00	STATIC WATER:	27.13	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	18.1155

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):
		950	1023	27.18

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)
1023	18.12	18.12	0.55	27.20	7.18	24.48	386	1.08	1.2	CLEAR	NONE
1031	4.53	22.65	0.55	27.20	7.20	24.51	388	1.05	0.0	CLEAR	NONE
1039	4.53	27.18	0.55	27.20	7.22	24.55	390	0.97	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:	1039
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	2100	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	3/16/14	08	BP
4MW12D	2	PE	250	H2SO4	1	<2	NH3,NO3	3/16/14	08	BP
4MW12D	1	PE	250	HNO3	1	<2	FE,HG,NA	3/26/14	02	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=27.90**	

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 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				26.61	BP

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

TWD:	36	STATIC WATER:	26.61	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	1.5024

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):
		1040	1045	4.50

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1045	1.50	1.50	0.16	26.70	6.22	25.28	425	1.11	6.3	CLEAR	NONE
1050	1.50	3.00	0.16	26.70	6.20	25.31	422	1.05	3.4	CLEAR	NONE
1055	1.50	4.50	0.16	26.70	6.13	25..34	420	1.03	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:	1055
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	3/26/14	01	BP
4MW13D	2	PE	250	H2SO4	1	<2	NH3,NO3	3/25/14	06	BP
4MW13D	1	PE	250	HNO3	1	<2	FE,HG,NA	3/25/14	02	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=27.43**

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:	4MW14D	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:
4				23.61	BP

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

TWD:	50	STATIC WATER:	23.61	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	17.1535

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	1131	25.73

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)
1131	17.15	17.15	0.55	23.70	7.26	26.48	399	1.05	0.0	CLEAR	NONE
1139	4.29	21.44	0.55	23.70	7.23	26.51	398	1.02	0.0	CLEAR	NONE
1147	4.29	25.73	0.55	23.70	7.18	26.54	396	0.97	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:	1147
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	2100	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	3/26/14	01	BP
4MW14D	2	PE	250	H2SO4	1	<2	NH3,NO3	3/25/14	06	BP
4MW14D	1	PE	500	HNO3	1	<2	FE,HG,NA	3/26/14	02	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=28.39**	

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

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

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3) **pH**: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	WEST PASCO CLASS III LF	SITE LOCATION:	HAYS ROAD (28°22'22.17"/82°34'14.48")		
WELL NO.		SAMPLE ID:	4MW21	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		24.2	39.2	23.35	BP

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

TWD:	39.70	STATIC WATER:	23.35	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	2.616

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):
		1155	1203	7.86

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1203	2.62	2.62	0.32	23.40	6.90	23.44	153	2.16	6.4	CLEAR	NONE
1211	2.62	5.24	0.32	23.40	6.91	23.42	150	2.21	4.6	CLEAR	NONE
1219	2.62	7.86	0.32	23.40	6.93	23.39	148	2.23	1.5	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:	1219
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	3/9/14	05	BP
4MW21	1	PE	250	H2SO4	20DROPS	<2	NH3,NO3	3/9/14	05	BP
4MW21	1	PE	250	HNO3	20DROPS	<2	FE,HG,NA	1/6/14	04	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=28.11	

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 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		30.3	45.3	26.56	BP

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

TWD:	45.80	STATIC WATER:	26.56	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	3.0784

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):
		1225	1235	9.24

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)
1235	3.08	3.08	0.32	26.70	7.93	23.18	401	1.05	5.6	CLEAR	NONE
1245	3.08	6.16	0.32	26.70	7.95	23.21	405	1.10	2.2	CLEAR	NONE
1255	3.08	9.24	0.32	26.70	7.91	23.24	406	1.13	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 DAT/

SAMPLED BY (PRINT):	WILFRED MARTFELD	Wilfred Martfeld	STARTED:		ENDED:	1255
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	3/9/14	05	BP
4MW22	1	PE	250	H2SO4	20DROPS	<2	NH3,NO3	3/9/14	05	BP
4MW22	1	PE	250	HNO3	20DROPS	<2	FE,HG,NA	2/24/14	02	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= 26.88**	

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:	4MW27	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				19.5	BP

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

TWD:	77	STATIC WATER:	19.5	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	37.375

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):
		1310	1349	56.07

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)
1349	37.38	37.38	0.95	19.50	8.09	23.48	418	0.92	0.0	CLEAR	NONE
1359	9.35	46.72	0.95	19.50	8.11	23.50	412	0.78	0.0	CLEAR	NONE
1409	9.35	56.07	0.95	19.50	8.16	23.52	409	0.51	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:	1409	
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	3600	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	2	PE	250	H2SO4	1	<2	NH3,NO3	3/9/14	05	BP
4MW27	1	PE	250	HNO3	1	<2	FE,HG,NA	3/9/14	03	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=30.10**

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 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				19.19	BP

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

TWD:	156	STATIC WATER:	19.19	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	88.9265

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):
		1310	1444	133.39

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)
1444	88.93	88.93	0.95	19.20	8.51	23.38	220	1.11	0.0	CLEAR	NONE
1507	22.23	111.16	0.95	19.20	8.54	23.35	218	1.10	0.0	CLEAR	NONE
1530	22.23	133.39	0.95	19.20	8.57	23.37	212	1.04	0.0	CLEAR	NONE

***WATER LEVEL IS BELOW TOP OF PUMP.

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

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	Wilfred Martfeld		STARTED:		ENDED:	1530
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	3/9/14	05	BP
4MW27D	2	PE	250	H2SO4	1	<2	NH3,NO3	3/9/14	05	BP
4MW27D	1	PE	250	HNO3	1	<2	FE,HG,NA	3/9/14	03	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=30.09**	

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 2014 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	**25-Mar**		49.95	DRY	**DRY**														
4MW1	**31-Mar**	0919	50.34	16.67	**33.67**	7.02	20.11	623	1.14	0.0	CLEAR	99.3	416	0.03 U	0.59	9.9	0.03 U	42.4	**AC08986**
2MW2	**28-Mar**	1012	56.41	24.55	**31.86**	5.96	22.11	94	3.28	0.0	CLEAR	6.92	90.0	0.03 U	5.14	113	0.08 I	3.86	**AC08897**
4MW2	**28-Mar**	1023	56.11	24.74	**31.37**	6.15	23.26	181	1.31	0.0	CLEAR	6.05	116	0.03 U	1.86	5.9	0.03 U	2.71	**AC08898**
2MW3A	**25-Mar**	1300	50.01	DRY	**DRY**														
4MW3A	**25-Mar**	1305	52.92	26.73	**26.19**														**AC08746WTR LVL ONL**
2MW4	**25-Mar**	0828	54.77	DRY	**DRY**														
4MW4	**28-Mar**	1237	50.81	26.06	**24.75**	6.94	26.82	310	1.09	0.0	CLEAR	18.6	246	0.03 U	0.20	58.0	0.03 U	5.56	**AC08899**
2MW5	**25-Mar**	0850	49.17	DRY	**DRY**														
4MW5	**31-Mar**	1345	49.06	23.30	**25.76**	7.22	23.49	324	1.20	0.0	CLEAR	76.5	280	0.03 U	1.10	10.8	0.03 U	23.8	**AC08987**
2MW6	**25-Mar**	0825	56.11	DRY	**DRY**														
4MW6	**28-Mar**	1153	55.93	27.20	**28.73**	7.16	27.51	124	2.21	0.0	CLEAR	5.39	56	0.03 U	1.45	13	0.03 U	4.14	**AC08900**
2MW7	**25-Mar**	0850	52.75	DRY	**DRY**														
4MW7	**25-Mar**	0950	52.62	24.23	**28.39**	7.48	21.25	339	1.11	0.0	CLEAR	14.0	198.0	0.03 U	0.34	3.0 I	0.08 I	4.81	**AC08739**
2MW8	**25-Mar**	1105	51.97	DRY	**DRY**														
4MW8	**25-Mar**	1151	51.87	23.57	**28.30**	8.07	22.90	280	0.49	0.0	CLEAR	12.7	178	0.03 U	0.15	1.6 U	0.03 U	4.52	**AC08740**
2MW9	**25-Mar**	0955	52.29	DRY	**DRY**														
4MW9	**25-Mar**	1059	52.78	25.97	**26.81**	7.84	23.24	374	0.60	0.0	CLEAR	27.4	246	0.03 U	0.26	4.4	0.03 U	7.80	**AC08741**
2MW10	**25-Mar**	1100	52.63	DRY	**DRY**														
4MW-11D	**28-Mar**	1448	65.00	36.67	**28.33**	6.88	25.02	299	1.98	16.5	CLOUDY	54.0	306	0.03 U	0.96	98.2	0.06	11.20	**AC08901**
4MW-12D	**31-Mar**	1039	55.03	27.13	**27.90**	7.22	24.55	390	0.97	0.0	CLEAR	29.9	302	0.03 U	0.44	10.1	0.03 U	5.86	**AC08988**
2MW-13D	**25-Mar**	1533	52.39	DRY	**DRY**														
4MW-13D	**31-Mar**	1055	54.04	26.61	**27.43**	6.13	25..34	420	1.03	1.1	CLEAR	30.4	282	0.03 U	0.09	58.3	0.03 U	10.4	**AC08989**
4MW-14D	**31-Mar**	1147	52.00	23.61	**28.39**	7.18	26.54	396	0.97	0.0	CLEAR	37.5	268	0.03 U	0.63	13.8	0.03 U	12.5	**AC08990**
2MW-15AD	**31-Mar**	0948	54.71	23.20	**31.51**	7.19	21.89	278	1.05	2.1	CLEAR	7.42	170	0.04 I	0.60	43.6	0.03 U	3.46	**AC08982**
2MW-17S	**28-Mar**	1255	53.42	28.80	**24.62**	6.29	24.95	221	1.73	3.2	CLEAR	12.7	336	0.08 I	31.8 XC	14.0	0.03 U	3.23	**AC08894**
2MW-18D	**28-Mar**	1318	52.75	28.16	**24.59**	6.82	24.79	428	1.02	3.5	CLEAR	36.3	310	0.03 U	0.03 U	47.7	0.03 U	11.5	**AC08895**
2MW-19D	**28-Mar**	1342	52.25	26.88	**25.37**	6.92	25.46	423	1.04	0.0	CLEAR	27.0	286	0.03 U	0.29	10.0	0.03 U	8.44	**AC08896**
4MW 21	**25-Mar**	1219	51.46	23.35	**28.11**	6.93	23.39	148	2.23	1.5	CLEAR	14.0	134	0.03 U	8.35	17.7	0.03 U	6.53	**AC08742**
4MW 22	**25-Mar**	1255	53.44	26.56	**26.88**	7.91	23.24	406	1.13	0.0	CLEAR	21.7	254	0.03 U	0.21	6.4	0.03 U	6.41	**AC08743**
2MW-24S	**25-Mar**	0900	50.37	23.30	**27.07**														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	**31-Mar**	1206	50.55	23.44	**27.11**	7.13	25.56	490	1.01	1.5	CLEAR	57.3	338	0.03 U	1.68	36.5	0.03 U	22.3	**AC08983**
2MW-25S	**25-Mar**	0000	47.84	17.40	**DRY**														
2MW-25D	**31-Mar**	1221	47.87	19.49	**28.38**	6.92	25.06	670	0.72	1.1	CLEAR	89.5	472	0.03 U	1.08	232	0.03 U	37.1	**AC08984**
2MW-26S	**25-Mar**	0000	54.16	23.00	**DRY**														
2MW-26D	**31-Mar**	1242	54.13	25.12	**29.01**	7.17	24.83	568	0.91	1.1	CLEAR	62.0	230	0.03 U	0.66	23.5	0.03 U	34.30	**AC08985**
2MW-27S	**25-Mar**	1315	50.44	50.44	**DRY**														
2MW-27D	**25-Mar**	1442	50.32	20.31	**30.01**	8.09	23.32	652	1.18	1.6	CLEAR	120	322	0.03 U	0.91	10.9	0.03 U	64.6	**AC08738**
4MW-27	**25-Mar**	1409	49.60	19.50	**30.10**	8.16	23.52	409	0.51	0.0	CLEAR	120	304	0.03 U	0.80	2.5 I	0.03 U	50.6	**AC08744**
4MW-27D	**25-Mar**	1530	49.28	19.19	**30.09**	8.57	23.37	212	1.04	0.0	CLEAR	5.68	152	0.03 U	0.19	1.8	0.03 U	8.08	**AC08745**

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

RESOURCE RECOVERY

WATER LEVEL 2014 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	25-Mar	0800	49.95	DRY	DRY	**2MW-13D**	25-Mar	1533	52.39	DRY	DRY
4MW1	25-Mar	0805	50.34	16.67	33.67	**4MW-13D**	25-Mar	1536	54.04	26.64	27.40
2MW2	25-Mar	0815	56.41	24.55	31.86	**4MW-14D**	25-Mar	1539	52.00	23.58	28.42
4MW2	25-Mar	0820	56.11	24.71	31.40	**2MW-15DA**	25-Mar	0810	54.71	23.17	31.54
2MW3A	25-Mar	1300	50.01	DRY	DRY	**2MW-17S**	25-Mar	0920	53.42	28.76	24.66
4MW3A	25-Mar	1305	52.92	26.73	26.19	**2MW-18D**	25-Mar	0925	52.75	28.20	24.55
2MW4	25-Mar	0825	54.77	DRY	DRY	**2MW-19D**	25-Mar	0930	52.25	26.89	25.36
4MW4	25-Mar	0828	50.81	26.08	24.73	**4MW 21**	25-Mar	1219	51.46	23.35	28.11
2MW5	25-Mar	0850	49.17	DRY	DRY	**4MW 22**	25-Mar	1255	53.44	26.56	26.88
4MW5	25-Mar	0853	49.06	23.27	25.79	**2MW-24S**	25-Mar	0900	50.37	22.19	28.18
2MW6	25-Mar	0825	56.11	DRY	DRY	**2MW-24D**	25-Mar	0903	50.55	23.44	27.11
4MW6	25-Mar	0830	55.95	27.15	28.80	**2MW-25S**	25-Mar	0906	47.84	17.45	30.39
2MW7	25-Mar	953	52.75	DRY	DRY	**2MW-25D**	25-Mar	0909	47.87	19.52	28.35
4MW7	25-Mar	0950	52.62	24.23	28.39	**2MW-26S**	25-Mar	0912	54.16	DRY	DRY
2MW8	25-Mar	1105	51.97	DRY	DRY	**2MW-26D**	25-Mar	0915	54.13	25.09	29.04
4MW8	25-Mar	1151	51.87	23.57	28.30	**2MW-27S**	25-Mar	1315	50.44	DRY	DRY
2MW9	25-Mar	0955	52.29	DRY	DRY	**2MW-27D**	25-Mar	1442	50.32	20.31	30.01
4MW9	25-Mar	1059	52.78	25.97	26.81	**4MW-27**	25-Mar	1409	49.60	19.50	30.10
2MW10	25-Mar	1100	52.63	DRY	DRY	**4MW-27D**	25-Mar	1530	49.28	19.19	30.09
4MW-11D	25-Mar	0840	65.00	36.69	28.31						
4MW-12D	25-Mar	0843	55.03	27.15	27.88						

NOTES:

CDM Smith

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

April 17, 2014

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

Subject: Groundwater Contour Maps, Year 2014, 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 2014, Quarter I monitoring event. The revised 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

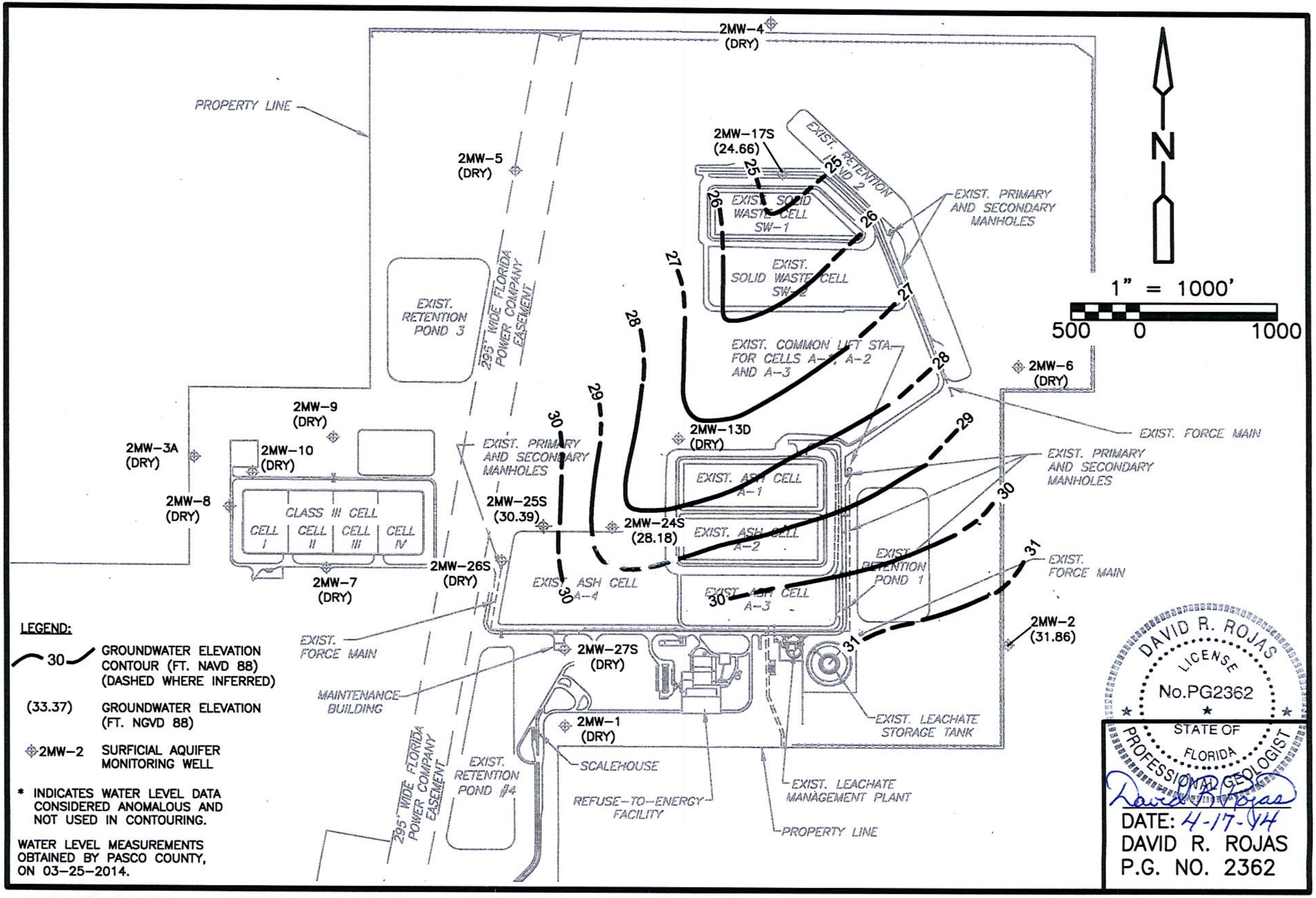
David R. Rojas, P.G.
Environmental Scientist
CDM Smith

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
Aamod S. Sonawane, CDM Smith w/1 set of attachments

S:\PASCO\West Pasco\2014 Qtr I WPLF Maps.docx

USER: nunesal
DATE: Apr 17, 2014 1:04pm



LEGEND:

30	GROUNDWATER ELEVATION CONTOUR (FT. NAVD 88) (DASHED WHERE INFERRED)
(33.37)	GROUNDWATER ELEVATION (FT. NGVD 88)
2MW-2	SURFICIAL AQUIFER MONITORING WELL
*	INDICATES WATER LEVEL DATA CONSIDERED ANOMALOUS AND NOT USED IN CONTOURING.

WATER LEVEL MEASUREMENTS OBTAINED BY PASCO COUNTY, ON 03-25-2014.

No.PG2362

David R Rojas

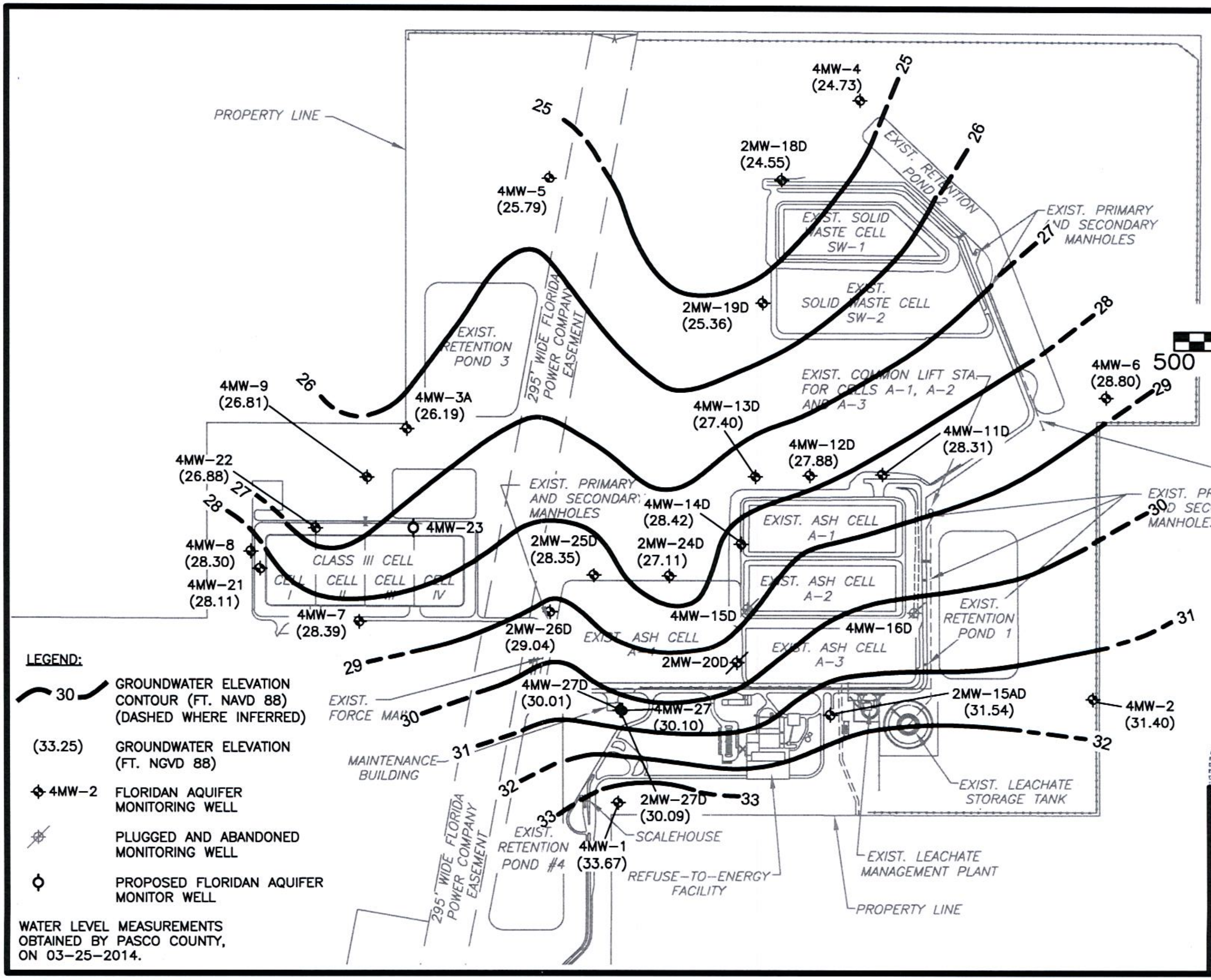
DATE: 4-17-14
DAVID R. ROJAS
P.G. NO. 2362

pw:\\dacpwapp1:PW_XM1\Documents\6104\102249\03 Reports and Studies\09 CADD Figures and Graphics\1st QTR 2014\surficial base.dwg

CDM Smith

Potentiometric Surface of Surficial Aquifer, 1st Quarter 2014
West Pasco Resource Recovery Facility
Spring Hill, Pasco County, Florida

USER: nunesal
DATE: Apr 17, 2014 1:07pm



WATER LEVEL MEASUREMENTS OBTAINED BY PASCO COUNTY, ON 03-25-2014.

No.PG2362
David R. Rojas
DATE: 4-17-14
DAVID R. ROJAS
P.G. NO. 2362

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CDM Smith

Potentiometric Surface of Floridan Aquifer, 1st Quarter 2014
West Pasco Resource Recovery Facility
Spring Hill, Pasco County, Florida

RESOURCE RECOVERY

WATER LEVEL 2014 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	25-Mar	0800	49.95	DRY	DRY	**2MW-13D**	25-Mar	1533	52.39	DRY	DRY
4MW1	25-Mar	0805	50.34	16.67	33.67	**4MW-13D**	25-Mar	1536	54.04	26.64	27.40
2MW2	25-Mar	0815	56.41	24.55	31.86	**4MW-14D**	25-Mar	1539	52.00	23.58	28.42
4MW2	25-Mar	0820	56.11	24.71	31.40	**2MW-15DA**	25-Mar	0810	54.71	23.17	31.54
2MW3A	25-Mar	1300	50.01	DRY	DRY	**2MW-17S**	25-Mar	0920	53.42	28.76	24.66
4MW3A	25-Mar	1305	52.92	26.73	26.19	**2MW-18D**	25-Mar	0925	52.75	28.20	24.55
2MW4	25-Mar	0825	54.77	DRY	DRY	**2MW-19D**	25-Mar	0930	52.25	26.89	25.36
4MW4	25-Mar	0828	50.81	26.08	24.73	**4MW 21**	25-Mar	1219	51.46	23.35	28.11
2MW5	25-Mar	0850	49.17	DRY	DRY	**4MW 22**	25-Mar	1255	53.44	26.56	26.88
4MW5	25-Mar	0853	49.06	23.27	25.79	**2MW-24S**	25-Mar	0900	50.37	22.19	28.18
2MW6	25-Mar	0825	56.11	DRY	DRY	**2MW-24D**	25-Mar	0903	50.55	23.44	27.11
4MW6	25-Mar	0830	55.95	27.15	28.80	**2MW-25S**	25-Mar	0906	47.84	17.45	30.39
2MW7	25-Mar	953	52.75	DRY	DRY	**2MW-25D**	25-Mar	0909	47.87	19.52	28.35
4MW7	25-Mar	0950	52.62	24.23	28.39	**2MW-26S**	25-Mar	0912	54.16	DRY	DRY
2MW8	25-Mar	1105	51.97	DRY	DRY	**2MW-26D**	25-Mar	0915	54.13	25.09	29.04
4MW8	25-Mar	1151	51.87	23.57	28.30	**2MW-27S**	25-Mar	1315	50.44	DRY	DRY
2MW9	25-Mar	0955	52.29	DRY	DRY	**2MW-27D**	25-Mar	1442	50.32	20.31	30.01
4MW9	25-Mar	1059	52.78	25.97	26.81	**4MW-27**	25-Mar	1409	49.60	19.50	30.10
2MW10	25-Mar	1100	52.63	DRY	DRY	**4MW-27D**	25-Mar	1530	49.28	19.19	30.09
4MW-11D	25-Mar	0840	65.00	36.69	28.31						
4MW-12D	25-Mar	0843	55.03	27.15	27.88						

NOTES: