PASCO COUNTY FLORIDA
OPEN SPACES. URBAN PLACES.

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

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

DHRS No: E44123

02 March 2017

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

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

Dear Mr. Morris

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

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

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

Sincerely,

Candia E. Mulhern
Laboratory Manager

Enc.: 1

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

Florida Department of Environmental Protection

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

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

WATER QUALITY MONITORING CERTIFICATION

PART I GENERAL INFORMATION

(1) Facility Name PASCO COUNTY RESOURCE RECOVERY

Address 14230 HAYS RD.

City SPRING HILL 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.

02 March 2017 (Date)

Candia Mulhern (Owner or Authorized Representative's Signature)

Digitally signed by Candia Mulhern
DN: cn=Candia Mulhern, o=Environmental Laboratory, ou=Pasco County, email=cmulhern@pascocountyfl.net, c=US
Date: 2017.03.02 15:37:02 -05'00'

PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization Pasco County Utilities Environmental Laboratory

Analytical Lab NELAC / HRS Certification # E44123

Lab Name Pasco County Utilities Environmental Laboratory

Address 8864 Government Dr.

Phone Number (727) 847-8902

Email address (if available) cchildress@pascocountyfl.net

PASCO COUNTY, FLORIDA

"Bringing Opportunities Home"

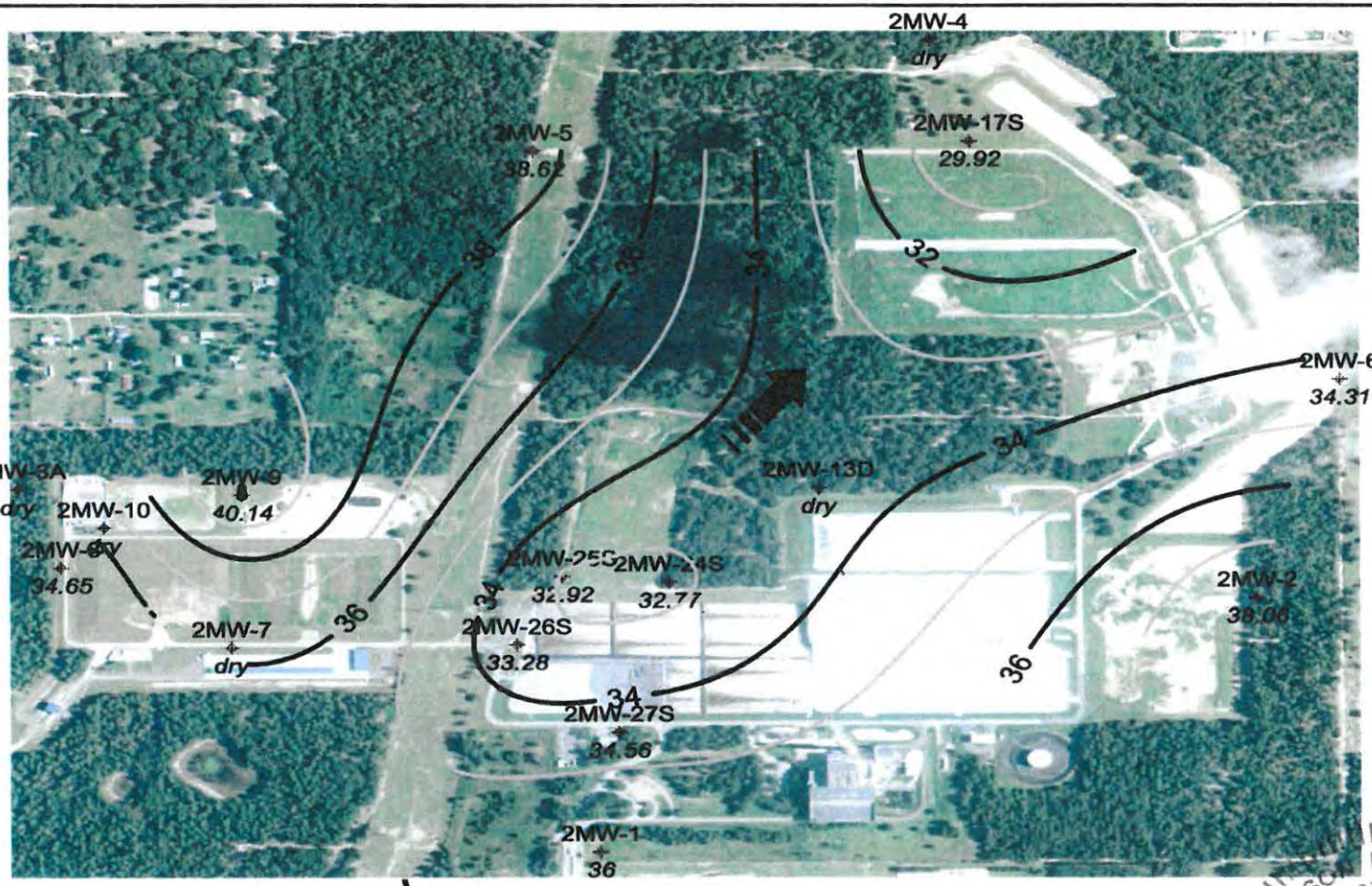
PASCO COUNTY RESOURCE RECOVERY
EXCEEDED ANALYTES
Semester II, 2016

WELL #	SAMPLE DATE	ANALYTE	RESULT	UNITS	RESAMPLE	RESULT	UNITS
2MW1	25-Oct-16	pH	5.82	std units	No	---	---
		DO	6.36	mg/L	No	---	---
4MW1	25-Oct-16	TDS	600	mg/L	No	---	---
2MW2	19-Oct-16	pH	5.15	std units	No	---	---
		DO	11.7	mg/L	No	---	---
4MW2	19-Oct-16	DO	8.74	mg/L	No	---	---
4MW6	1-Nov-16	DO	6.53	mg/L	No	---	---
4MW-11D	26-Oct-16	DO	10.0	mg/L	No	---	---
4MW-12D	26-Oct-16	DO	7.97	mg/L	No	---	---
4MW-13D	26-Oct-16	DO	9.12	mg/L	No	---	---
2MW-17S	2-Nov-16	pH	5.88	std units	No	---	---
		DO	5.83	mg/L	No	---	---
4MW-21	3-Nov-16	pH	5.41	std units	No	---	---
		DO	6.65	mg/L	No	---	---
2MW-24S	27-Oct-16	DO	8.84	mg/L	No	---	---
		Iron	3600	mg/L	No	---	---
2MW-24D							
	27-Oct-16	DO	5.54	mg/L	No	---	---
2MW-25D							
	26-Oct-16	DO	5.20	mg/L	No	---	---
2MW-26D							
	27-Oct-16	DO	5.41	mg/L	No	---	---
2MW-27S							
	31-Oct-16	Iron	354	ug/L	No	---	---
4MW-27D	15-Nov-16	pH	4.42	std units	No	---	---

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

RESOURCE RECOVERY LANDFILL WATER LEVEL SEMI-ANNUAL

WELL ID	TIME	TOP ELEVATION	WLSTATIC	N.G.V.D.	DATE	Analyst	Comments
2MW-1		49.95		49.95	17-Nov	MB	
4MW-1		50.34		50.34	17-Nov	MB	
2MW-2		56.41		56.41	17-Nov	MB	
4MW-2		56.11		56.11	17-Nov	MB	
2MW3A		50.01		50.01	17-Nov	MB	
4MW3A		52.92		52.92	17-Nov	MB	
2MW-4		54.77		54.77	17-Nov	MB	
4MW-4		50.81		50.81	17-Nov	MB	
2MW-5		49.17		49.17	17-Nov	MB	
4MW-5		49.06		49.06	17-Nov	MB	
2MW-6		56.11		56.11	17-Nov	MB	
4MW-6		55.93		55.93	17-Nov	MB	
2MW-7		52.75		52.75	17-Nov	MB	
4MW7		52.62		52.62	17-Nov	MB	
2MW-8		51.97		51.97	17-Nov	MB	
4MW8		51.87		51.87	17-Nov	MB	
2MW9		52.29		52.29	17-Nov	MB	
4MW9		52.78		52.78	17-Nov	MB	
2MW-10		52.63		52.63	17-Nov	MB	
4MW-11D		65.00		65	17-Nov	MB	
4MW-12D		55.03		55.03	17-Nov	MB	
2MW-13D		52.39		52.39	17-Nov	MB	
4MW-13D		54.04		54.04	17-Nov	MB	
4MW-14D		52.00		52	17-Nov	MB	
2MW-15AD		54.71		54.71	17-Nov	MB	
2MW-17S		53.42		53.42	17-Nov	MB	
2MW-18D		52.75		52.75	17-Nov	MB	
2MW-19D		52.25		52.25	17-Nov	MB	
4MW21		51.46		51.46	17-Nov	MB	
4MW22		53.44		53.44	17-Nov	MB	
2MW24S		50.37		50.37	17-Nov	MB	
2MW-24D		50.55		50.55	17-Nov	MB	
2MW25S		47.84		47.84	17-Nov	MB	
2MW-25D		47.87		47.87	17-Nov	MB	
2MW26S		54.16		54.16	17-Nov	MB	
2MW26D		54.13		54.13	17-Nov	MB	
2MW27S		50.44		50.44	17-Nov	MB	
2MW27D		50.32		50.32	17-Nov	MB	
4MW27		49.60		49.6	17-Nov	MB	
4MW27D		49.28		49.28	17-Nov	MB	



Legend:

4MW-22 Monitoring Well Designation

71.7 Observed Groundwater Elevation (FT NGVD 1988)

72 Groundwater Elevation Contour (FT NGVD 1988)

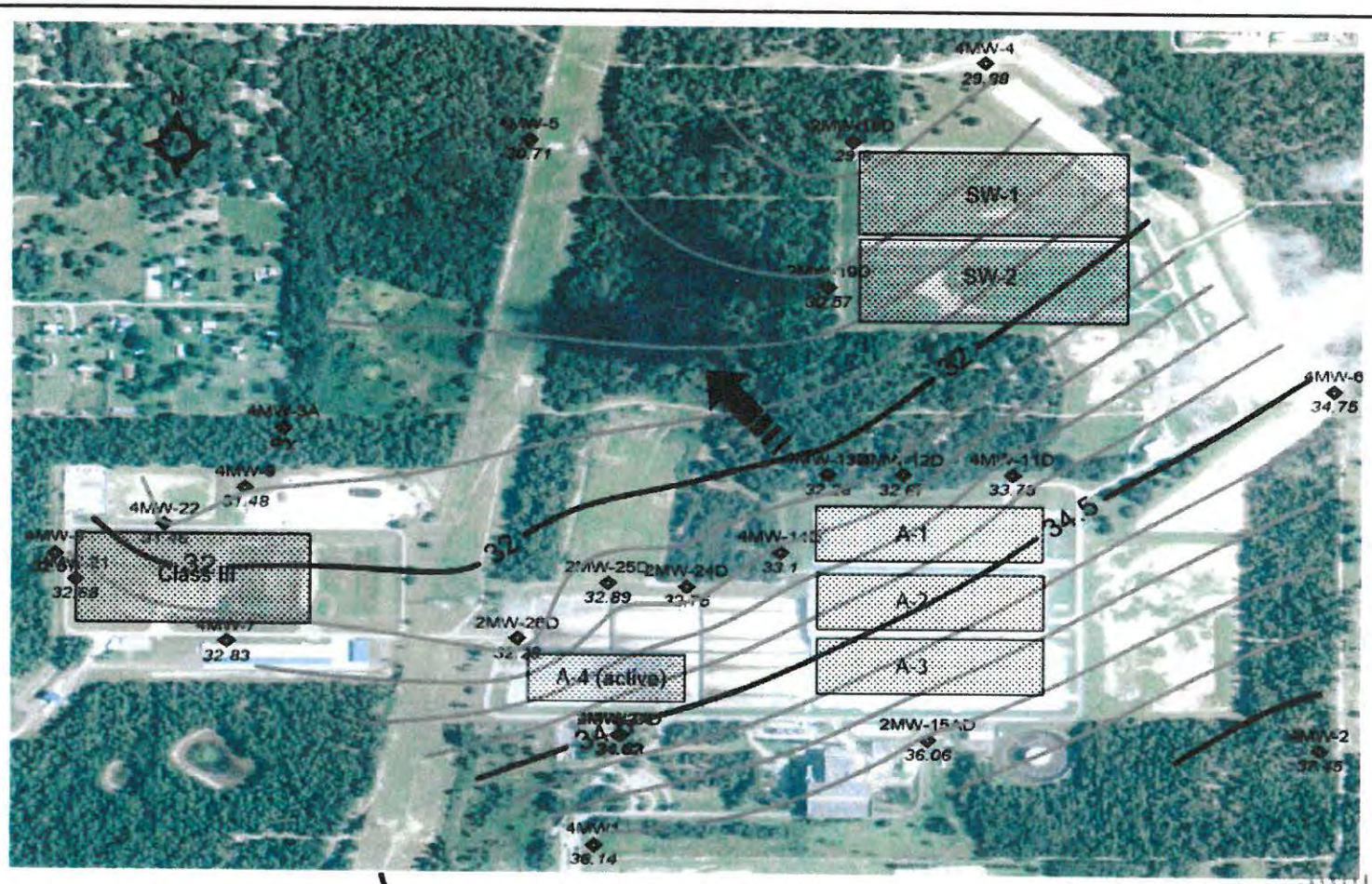
Waste Disposal Area

Direction of Groundwater Flow

SCALE: 1" = 600'

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

POTENTIOMETRIC SURFACE OF THE SURFICIAL AQUIFER WEST PASCO SOLID WASTE FACILITY	PREPARED BY Jason M. Gorrie, P.E.		DATE 2/8/2017
	DATA SOURCE Pasco County Environmental Laboratory 10/18//2016	JMG ENGINEERING	COMPLIANCE PERIOD 4th Qtr 2016



Legend:

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	DATA SOURCE Pasco County Environmental Laboratory 10/18//2016		COMPLIANCE PERIOD 4th Qtr 2016

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2381

Sampling Date/Time: 10/25/2016 @ 14:30

Well Name: 2MW-1

Report Period: 2016 Quarter IV

Classification of Groundwater: Surficial

Well Purged: YES

Groundwater Elevation (NGVD): 35.80

Well Type: BG

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7			mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	10/25/16 14:30	5.82	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	10/25/16 14:30	27.5	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	10/25/16 14:30	86	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	10/25/16 14:30	6.36	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	10/25/16 14:30	63.2	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	11/15/16 8:00	1.55	mg/L	0.12	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	10/28/16 11:10	78	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	11/01/16 9:30	0.07 U	mg/L	0.07	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	10/26/16 9:30	0.11	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No	DEP-SOP	10/25/16 14:30	35.8	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2386

Sampling Date/Time: 10/25/2016 @ 13:34

Well Name: 4MW-1

Report Period: 2016 Quarter IV

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 35.29

Well Type: BG

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7			mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	10/25/16 13:34	7.02	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	10/25/16 13:34	25.8	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	10/25/16 13:34	982	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	10/25/16 13:34	4.11	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	10/25/16 13:34	0.06	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	11/15/16 8:00	137	mg/L	0.12	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	10/28/16 11:10	600 XC	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH$_3$H	11/01/16 9:30	0.07 U	mg/L	0.07	mg/L
000620	Nitrate	"	No	SM 4500NO$_3$F	10/26/16 9:30	1.82	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		10/25/17 13:34	35.29	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2382

Sampling Date/Time: 10/19/2016 @ 11:33

Well Name: 2MW-2

Report Period: 2016 Quarter IV

Classification of Groundwater: Surficial

Well Purged: YES

Groundwater Elevation (NGVD): 38.01

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			mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	10/19/16 11:33	5.15	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	10/19/16 11:33	24.8	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	10/19/16 11:33	94	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	10/19/16 11:33	11.7	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	10/20/16 10:00	0.768	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	11/11/16 3:12	5.3	mg/L	0.12	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	10/25/16 12:45	112	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH$_3$H	11/01/16 9:30	0.07 U	mg/L	0.07	mg/L
000620	Nitrate	"	No	SM 4500NO$_3$F	10/26/16 9:30	4.21	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		10/19/16 11:33	38.01	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2387

Sampling Date/Time: 10/19/16 @ 13:35

Well Name: 4MW-2

Report Period: 2016 Quarter IV

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 37.38

Well Type: BG

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7			mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	10/19/16 13:35	7.00	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	10/19/16 13:35	24.2	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	10/19/16 13:35	223	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	10/19/16 13:35	8.74	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	10/19/16 13:35	0.143	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	11/11/16 3:34	5.5	mg/L	0.12	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	10/25/16 12:45	172	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	11/01/16 9:30	0.07 U	mg/L	0.07	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	10/26/16 9:30	1.08	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		10/19/16 13:35	37.38	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: West Pasco Class III Sanitary Landfill

Test Site ID #: 19671

Sampling Date/Time: 11/15/2016 @ 16:05

Well Name: 2MW-3A

Report Period: 2016 Quarter IV

Classification of Groundwater: Surficial

Well Purged: YES

Groundwater Elevation (NGVD): DRY

Well Type: PZ

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

PART III ANALYTICAL RESULTS

Facility ID#: 45799

Site: West Pasco Class III Sanitary Landfill

Test Site ID #: 19670

Sampling Date/Time: 11/15/2016 @ 16:05

Well Name: 4MW-3A

Report Period: 2016 Quarter IV

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): DRY

Well Type: PZ

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

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2383

Sampling Date/Time: 11/1/2016 @ 12:20

Well Name: 2MW-4

Report Period: 2016 Quarter IV

Classification of Groundwater: Surficial

Well Purged: YES

Groundwater Elevation (NGVD): DRY

Well Type: CO

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7		DRY	mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7		"	ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B		"	ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11		"	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14		"	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12		"	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15		"	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16		"	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0		"	mg/L	0.12	mg/L
070300	Total Dis. Solids	"	No	SM 2540C		"	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H		"	mg/L	0.07	mg/L
000620	Nitrate	"	No	SM 4500NO_3F		"	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No			"	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2388

Sampling Date/Time: 11/1/2016 @ 11:26

Well Name: 4MW-4

Report Period: 2016 Quarter IV

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 29.31

Well Type: CO

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7			mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	11/01/16 11:26	7.11	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	11/01/16 11:26	25.30	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	11/01/16 11:26	429	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	11/01/16 11:26	3.41	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	11/01/16 11:26	0.95	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	11/15/16 8:00	16.6	mg/L	0.12	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	11/04/16 11:00	238	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	11/10/16 9:50	0.07 U	mg/L	0.07	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	11/09/16 9:30	0.39	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		11/01/16 11:26	29.31	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2384

Sampling Date/Time: 10/19/2016 @ 14:30

Well Name: 2MW-5

Report Period: 2016 Quarter IV

Classification of Groundwater: Surficial

Well Purged: YES

Groundwater Elevation (NGVD): DRY

Well Type: CO

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7		DRY	mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7		"	ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B		"	ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11		"	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14		"	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12		"	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15		"	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16		"	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0		"	mg/L	0.12	mg/L
070300	Total Dis. Solids	"	No	SM 2540C		"	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H		"	mg/L	0.07	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: 11/14/2016 @ 16:35

Well Name: 4MW-5

Report Period: 2016 Quarter IV

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 29.64

Well Type: CO

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7			mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	11/14/16 16:35	7.04	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	11/14/16 16:05	22.8	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	11/14/16 16:35	609	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	11/14/16 16:35	3.42	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	11/14/16 16:35	0.32	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	11/15/16 8:00	64.0	mg/L	0.12	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	11/15/16 8:25	368	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	11/17/16 9:05	0.07	mg/L	0.07	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	11/18/16 8:50	0.71	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		11/14/16 16:35	29.64	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2385

Sampling Date/Time: 10/31/2016 @ 16:10

Well Name: 2MW-6

Report Period: 2016 Quarter IV

Classification of Groundwater: Surficial

Well Purged: YES

Groundwater Elevation (NGVD): DRY

Well Type: BG

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7		DRY	mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7		"	ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B		"	ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11		"	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14		"	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12		"	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15		"	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16		"	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0		"	mg/L	0.12	mg/L
070300	Total Dis. Solids	"	No	SM 2540C		"	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H		"	mg/L	0.07	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: 11/1/2016 @ 16:06

Well Name: 4MW-6

Report Period: 2016 Quarter IV

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 34.21

Well Type: BG

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7			mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	11/01/16 16:06	7.86	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	11/01/16 16:06	24.7	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	11/01/16 16:06	155	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	11/01/16 16:06	6.53	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	11/01/16 16:06	0.37	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	11/15/16 8:00	4.40	mg/L	0.12	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	11/04/16 11:00	82	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	11/10/16 9:50	0.07 U	mg/L	0.07	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	11/09/16 9:30	0.57	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		11/01/16 16:06	34.21	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: West Pasco Class III Sanitary Landfill

Test Site ID #: 2343

Sampling Date/Time: 11/14/2016 @ 10:20

Well Name: 2MW-7

Report Period: 2016 Quarter IV

Classification of Groundwater: Surficial

Well Purged: YES

Groundwater Elevation (NGVD): DRY

Well Type: BG

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

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: West Pasco Class III Sanitary Landfill

Test Site ID #: 2340

Sampling Date/Time: 11/14/2016 @ 12:30

Well Name: 4MW-7

Report Period: 2016 Quarter IV

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 31.42

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	11/18/16 8:50	0.16	mg/L	0.03	mg/L
000929	Sodium	"	No	EPA 200.7			mg/L	0.03	mg/L
082079	Turbidity	"	No	FDEP FT 16	11/14/16 12:30	0.8	NTU	0.00	NTU
00940	Chloride	"	No	EPA 300.0	11/15/16 8:00	14.7	mg/L	0.10	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.4	ug/L
00400	pH-Field	"	No	FDEP FT 11	11/14/16 12:30	7.18	std. units	0.10	std. units
070300	TDS	"	No	SM 2540C	11/15/16 8:25	202	mg/L	0.1	mg/L
000344	Dissolved Oxy. (Field)	"	No	FDEP FT 15	11/14/16 12:30	3.83	mg/L	0.1	mg/L
000095	Specific Cond. (Field)	"	No	FDEP FT 12	11/14/16 12:30	372	umhos/cm	1	umhos/cm
000010	Temp. (Field)	"	No	FDEP FT 14	11/14/16 12:30	24.50	deg. C	0.00	deg. C
071900	Mercury	"	No	SM 3112B			ug/L	0.02	ug/L
000610	Ammonia	"	No	SM 4500NH_3H	11/17/16 9:05	0.07 U	mg/L	0.04	mg/L
900216	Color by Obs. (Field)	"	No	SM 2120B	11/14/16 12:30	CLEAR	Obs.	0	Obs.
072020	Water Level	"	No	DEP-SOP	11/14/16 12:30	31.42	Feet NGVD	0	Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: West Pasco Class III Sanitary Landfill

Test Site ID #: 2344

Sampling Date/Time: 11/02/2016 @ 14:15

Well Name: 2MW-8

Report Period: 2016 Quarter IV

Classification of Groundwater: Surficial

Well Purged: YES

Groundwater Elevation (NGVD): DRY

Well Type: PZ

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

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: West Pasco Class III Sanitary Landfill

Test Site ID #: 2341

Sampling Date/Time: 11/2/2016 @ 15:56

Well Name: 4MW-8

Report Period: 2016 Quarter IV

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 32.19

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	11/09/16 13:50	0.03 U	mg/L	0.03	mg/L
000929	Sodium	"	No	EPA 200.7			mg/L	0.03	mg/L
082079	Turbidity	"	No	FDEP FT 16	11/02/16 15:56	0.40	NTU	0.00	NTU
00940	Chloride	"	No	EPA 300.0	11/15/16 8:00	10.5	mg/L	0.10	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.4	ug/L
00400	pH-Field	"	No	FDEP FT 11	11/02/16 15:56	7.18	std. units	0.10	std. units
070300	TDS	"	No	SM 2540C	11/04/16 11:00	200	mg/L	0.1	mg/L
000344	Dissolved Oxy. (Field)	"	No	FDEP FT 15	11/02/16 15:56	2.40	mg/L	0.1	mg/L
000095	Specific Cond. (Field)	"	No	FDEP FT 12	11/02/16 15:56	405	umhos/cm	1	umhos/cm
000010	Temp. (Field)	"	No	FDEP FT 14	11/02/16 15:56	23.90	deg. C	0.00	deg. C
071900	Mercury	"	No	SM 3112B			ug/L	0.02	ug/L
000610	Ammonia	"	No	SM 4500NH_3H	11/10/16 9:50	0.07 U	mg/L	0.04	mg/L
900216	Color by Obs. (Field)	"	No	SM 2120B	11/02/16 15:56	CLEAR	Obs.	0	Obs.
072020	Water Level	"	No	DEP-SOP	11/02/16 15:56	32.19	Feet NGVD	0	Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: West Pasco Class III Sanitary Landfill

Test Site ID #: 2345

Sampling Date/Time: 11/3/2016 @ 14:00

Well Name: 2MW-9

Report Period: 2016 Quarter IV

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	11/03/16 14:00	DRY	mg/L	0.03	mg/L
000929	Sodium	"	No	EPA 200.7		"	mg/L	0.03	mg/L
082079	Turbidity	"	No	FDEP FT 16		"	NTU	0.00	NTU
00940	Chloride	"	No	EPA 300.0		"	mg/L	0.10	mg/L
001045	Iron	"	No	EPA 200.7		"	ug/L	1.4	ug/L
00400	pH-Field	"	No	FDEP FT 11		"	std. units	0.10	std. units
070300	TDS	"	No	SM 2540C		"	mg/L	0.1	mg/L
000344	Dissolved Oxy. (Field)	"	No	FDEP FT 15		"	mg/L	0.1	mg/L
000095	Specific Cond. (Field)	"	No	FDEP FT 12		"	umhos/cm	1	umhos/cm
000010	Temp. (Field)	"	No	FDEP FT 14		"	deg. C	0.00	deg. C
071900	Mercury	"	No	SM 3112B		"	ug/L	0.02	ug/L
000610	Ammonia	"	No	SM 4500NH_3H		"	mg/L	0.04	mg/L
900216	Color by Obs. (Field)	"	No	SM 2120B		"	Obs.	0	Obs.
072020	Water Level	"	No	DEP-SOP		"	Feet NGVD	0	Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: West Pasco Class III Sanitary Landfill

Test Site ID #: 2342

Sampling Date/Time: 11/3/2016 @ 13:25

Well Name: 4MW-9

Report Period: 2016 Quarter IV

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 30.84

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	11/09/16 13:50	0.36	mg/L	0.03	mg/L
000929	Sodium	"	No	EPA 200.7			mg/L	0.03	mg/L
082079	Turbidity	"	No	FDEP FT 16	11/03/16 13:25	0.3	NTU	0.00	NTU
00940	Chloride	"	No	EPA 300.0	11/15/16 8:00	25.3	mg/L	0.10	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.4	ug/L
00400	pH-Field	"	No	FDEP FT 11	11/03/16 13:25	7.12	std. units	0.10	std. units
070300	TDS	"	No	SM 2540C	11/08/16 14:10	240	mg/L	0.1	mg/L
000344	Dissolved Oxy. (Field)	"	No	FDEP FT 15	11/03/16 13:25	3.76	mg/L	0.1	mg/L
000095	Specific Cond. (Field)	"	No	FDEP FT 12	11/03/16 13:25	441	umhos/cm	1	umhos/cm
000010	Temp. (Field)	"	No	FDEP FT 14	11/03/16 13:25	24.7	deg. C	0.00	deg. C
071900	Mercury	"	No	SM 3112B			ug/L	0.02	ug/L
000610	Ammonia	"	No	SM 4500NH_3H	11/10/16 9:50	0.07 U	mg/L	0.04	mg/L
900216	Color by Obs. (Field)	"	No	SM 2120B	11/03/16 13:25	CLEAR	Obs.	0	Obs.
072020	Water Level	"	No	DEP-SOP	11/03/16 13:25	30.84	Feet NGVD	0	Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: West Pasco Class III Sanitary Landfill

Test Site ID #: 2346

Sampling Date/Time: 11/3/2016 @ 11:55

Well Name: 2MW-10

Report Period: 2016 Quarter IV

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	11/03/16 11:55	DRY	mg/L	0.03	mg/L
000929	Sodium	"	No	EPA 200.7		"	mg/L	0.03	mg/L
082079	Turbidity	"	No	FDEP FT 16		"	NTU	0.00	NTU
00940	Chloride	"	No	EPA 300.0		"	mg/L	0.10	mg/L
001045	Iron	"	No	EPA 200.7		"	ug/L	1.4	ug/L
00400	pH-Field	"	No	FDEP FT 11		"	std. units	0.10	std. units
070300	TDS	"	No	SM 2540C		"	mg/L	0.1	mg/L
000344	Dissolved Oxy. (Field)	"	No	FDEP FT 15		"	mg/L	0.1	mg/L
000095	Specific Cond. (Field)	"	No	FDEP FT 12		"	umhos/cm	1	umhos/cm
000010	Temp. (Field)	"	No	FDEP FT 14		"	deg. C	0.00	deg. C
071900	Mercury	"	No	SM 3112B		"	ug/L	0.02	ug/L
000610	Ammonia	"	No	SM 4500NH_3H		"	mg/L	0.04	mg/L
900216	Color by Obs. (Field)	"	No	SM 2120B		"	Obs.	0	Obs.
072020	Water Level	"	No	DEP-SOP		"	Feet NGVD	0	Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2510

Sampling Date/Time: 10/26/2016 @ 14:15

Well Name: 4MW-11D

Report Period: 2016 Quarter IV

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 33.72

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7			mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	10/26/16 14:15	7.33	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	10/26/16 14:15	24.90	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	10/26/16 14:15	390	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	10/26/16 14:15	10.04	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	10/26/16 14:15	0.67	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	11/15/16 8:00	25.7	mg/L	0.12	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	10/28/16 11:10	234	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	11/01/16 9:30	0.07	mg/L	0.07	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	10/28/16 13:35	0.58	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		10/26/16 14:15	33.72	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2511

Sampling Date/Time: 10/26/16 @ 12:36

Well Name: 4MW-12D

Report Period: 2016 Quarter IV

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 10/26/16

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7			mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	10/26/16 12:36	7.32	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	10/26/16 12:36	25.8	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	10/26/16 12:36	449	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	10/26/16 12:36	7.97	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	10/26/16 12:36	0.5	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	11/15/16 8:00	29.3	mg/L	0.12	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	10/28/16 11:10	266	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	11/01/16 9:30	0.07	mg/L	0.07	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	10/28/16 13:35	0.57	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		10/26/16 12:36	32.35	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2515

Sampling Date/Time: 11/14/2016 @ 13:40

Well Name: 2MW-13D

Report Period: 2016 Quarter IV

Classification of Groundwater: Surficial

Well Purged: YES

Groundwater Elevation (NGVD): DRY

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7		DRY	mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7		"	ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B		"	ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11		"	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14		"	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12		"	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15		"	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16		"	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0		"	mg/L	0.12	mg/L
070300	Total Dis. Solids	"	No	SM 2540C		"	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H		"	mg/L	0.07	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: 10/26/2016 @ 11:30

Well Name: 4MW-13D

Report Period: 2016 Quarter IV

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 30.27

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7			mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	10/26/16 11:30	7.44	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	10/26/16 11:30	26.40	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	10/26/16 11:30	465	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	10/26/16 11:30	9.12	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	10/26/16 11:30	0.49	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	11/15/16 8:00	21.3	mg/L	0.12	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	10/28/16 11:10	266	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	11/01/16 9:30	0.07 U	mg/L	0.07	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	10/28/16 13:35	0.03 U	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		10/26/16 11:30	30.27	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 2512

Sampling Date/Time: 10/27/2016 @ 12:07

Well Name: 4MW-14D

Report Period: 2016 Quarter IV

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 32.75

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7			mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	10/27/16 12:07	7.19	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	10/27/16 12:07	27.50	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	10/27/16 12:07	408	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	10/27/16 12:07	2.16	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	10/27/16 12:07	0.56	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	11/15/16 8:00	23.5	mg/L	0.12	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	11/03/16 11:20	238	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	11/01/16 9:30	0.07 U	mg/L	0.07	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	10/28/16 13:35	0.53	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		10/27/16 12:07	32.75	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 19766

Sampling Date/Time: 10/31/2016 @ 15:17

Well Name: 2MW-15DA

Report Period: 2016 Quarter IV

Classification of Groundwater:

Well Purged: YES

Groundwater Elevation (NGVD): 35.31

Well Type: BG

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7			mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	10/31/16 15:17	7.39	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	10/31/16 15:17	26.60	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	10/31/16 15:17	312	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	10/31/16 15:17	3.56	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	10/31/16 15:17	1.20	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	11/15/16 8:00	9.20	mg/L	0.12	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	11/04/16 11:00	162	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	11/01/16 9:30	0.07 U	mg/L	0.07	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	11/09/16 9:30	0.19	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		10/31/16 15:17	35.31	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 19758

Sampling Date/Time: 11/2/2016 @ 10:25

Well Name: 2MW-17S

Report Period: 2016 Quarter IV

Classification of Groundwater:

Well Purged: YES

Groundwater Elevation (NGVD): 29.44

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7			mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	11/02/16 10:25	5.88	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	11/02/16 10:25	26.8	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	11/02/16 10:25	385	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	11/02/16 10:25	5.83	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	11/02/16 10:25	1.28	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	11/15/16 8:00	40.3	mg/L	0.12	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	11/04/16 11:00	298	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	11/10/16 9:50	0.07	mg/L	0.07	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	11/09/16 13:50	11.9	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		11/02/16 10:25	29.44	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 19759

Sampling Date/Time: 11/2/2016 @ 13:33

Well Name: 2MW-18D

Report Period: 2016 Quarter IV

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 29.19

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7			mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	11/02/16 13:33	7.06	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	11/02/16 13:33	25.60	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	11/02/16 13:33	516	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	11/02/16 13:33	2.8	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	11/02/16 13:33	1.77	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	11/15/16 13:33	30.2	mg/L	0.12	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	11/04/16 11:00	292	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH$_3$H	11/10/16 9:50	0.07	mg/L	0.07	mg/L
000620	Nitrate	"	No	SM 4500NO$_3$F	11/09/16 13:50	0.84	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		11/02/16 13:33	29.19	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 19764

Sampling Date/Time: 11/2/2016 @ 12:15

Well Name: 2MW-19D

Report Period: 2016 Quarter IV

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 29.93

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7			mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	11/02/16 12:15	7.06	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	11/02/16 12:15	25.6	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	11/02/16 12:15	479	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	11/02/16 12:15	2.55	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	11/02/16 12:15	1.04	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	11/15/16 8:00	20.1	mg/L	0.12	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	11/04/16 11:00	252	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	11/10/16 9:50	0.07	mg/L	0.07	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	11/09/16 13:50	0.65	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		11/02/16 12:15	29.93	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: West Pasco Class III Sanitary Landfill

Test Site ID #: 23065

Sampling Date/Time: 11/3/2016 @ 11:10

Well Name: 4MW-21

Report Period: 2016 Quarter IV

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 31.91

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	11/09/16 13:50	5.95	mg/L	0.03	mg/L
000929	Sodium	"	No	EPA 200.7			mg/L	0.03	mg/L
082079	Turbidity	"	No	FDEP FT 16	11/03/16 11:10	1.23	NTU	0.00	NTU
00940	Chloride	"	No	EPA 300.0	11/15/16 8:00	10.3	mg/L	0.10	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.4	ug/L
00400	pH-Field	"	No	FDEP FT 11	11/03/16 11:10	5.41	std. units	0.10	std. units
070300	TDS	"	No	SM 2540C	11/08/16 14:10	94	mg/L	0.1	mg/L
000344	Dissolved Oxy. (Field)	"	No	FDEP FT 15	11/03/16 11:10	6.65	mg/L	0.1	mg/L
000095	Specific Cond. (Field)	"	No	FDEP FT 12	11/03/16 11:10	148	umhos/cm	1	umhos/cm
000010	Temp. (Field)	"	No	FDEP FT 14	11/03/16 11:10	24.3	deg. C	0.00	deg. C
071900	Mercury	"	No	SM 3112B			ug/L	0.02	ug/L
000610	Ammonia	"	No	SM 4500NH_3H	11/10/16 9:50	0.07 U	mg/L	0.04	mg/L
900216	Color by Obs. (Field)	"	No	SM 2120B	11/03/16 11:10	CLEAR	Obs.	0	Obs.
072020	Water Level	"	No	DEP-SOP	11/03/16 11:10	31.91	Feet NGVD	0	Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID#: 45799

Site: West Pasco Class III Sanitary Landfill

Test Site ID #: 23066

Sampling Date/Time: 11/3/2016 @ 12:20

Well Name: 4MW-22

Report Period: 2016 Quarter IV

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 30.74

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	11/09/16 13:50	0.07 I	mg/L	0.03	mg/L
000929	Sodium	"	No	EPA 200.7			mg/L	0.03	mg/L
082079	Turbidity	"	No	FDEP FT 16	11/03/16 12:20	0.20	NTU	0.00	NTU
00940	Chloride	"	No	EPA 300.0	11/15/16 8:00	17.5	mg/L	0.10	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.4	ug/L
00400	pH-Field	"	No	FDEP FT 11	11/03/16 12:20	6.94	std. units	0.10	std. units
070300	TDS	"	No	SM 2540C	11/08/16 14:10	264	mg/L	0.1	mg/L
000344	Dissolved Oxy. (Field)	"	No	FDEP FT 15	11/03/16 12:20	4.12	mg/L	0.1	mg/L
000095	Specific Cond. (Field)	"	No	FDEP FT 12	11/03/16 12:20	487	umhos/cm	1	umhos/cm
000010	Temp. (Field)	"	No	FDEP FT 14	11/03/16 12:20	25.1	deg. C	0.00	deg. C
071900	Mercury	"	No	SM 3112B			ug/L	0.02	ug/L
000610	Ammonia	"	No	SM 4500NH_3H	11/10/16 9:50	0.07 U	mg/L	0.04	mg/L
900216	Color by Obs. (Field)	"	No	SM 2120B	11/03/16 12:20	CLEAR	Obs.	0	Obs.
072020	Water Level	"	No	DEP-SOP	11/03/16 12:20	30.74	Feet NGVD	0	Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 23443

Sampling Date/Time: 10/27/16 @ 13:12

Well Name: 2MW-24S

Report Period: 2016 Quarter IV

Classification of Groundwater: G-II

Well Purged: YES

Groundwater Elevation (NGVD): 32.37

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			mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	10/27/16 13:12	6.64	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	10/27/16 13:12	26.4	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	10/27/16 13:12	422	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	10/27/16 13:12	8.84	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	10/27/16 13:12	60.8	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	11/15/16 8:00	17.9	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	11/03/16 11:20	272	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	11/01/16 9:30	0.07 U	mg/L	0.04	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	10/28/16 13:35	3.33	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		10/27/16 13:12	32.37	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 23444

Sampling Date/Time: 10/27/16 @ 14:25

Well Name: 2MW-24D

Report Period: 2016 Quarter IV

Classification of Groundwater: G-II

Well Purged: YES

Groundwater Elevation (NGVD): 10/27/16

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7			mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	10/27/16 14:25	7.27	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	10/27/16 14:25	26.50	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	10/27/16 14:25	546	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	10/27/16 14:25	5.54	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	10/27/16 14:25	0.20	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	11/15/16 8:00	46.4	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	11/03/16 11:20	328	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH$_3$H	11/01/16 9:30	0.07 U	mg/L	0.04	mg/L
000620	Nitrate	"	No	SM 4500NO$_3$F	10/28/16 13:35	1.51	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		10/27/16 14:25	32.34	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 23446

Sampling Date/Time: 10/26/2016 @ 16:40

Well Name: 2MW-25D

Report Period: 2016 Quarter IV

Classification of Groundwater: G-II

Well Purged: YES

Groundwater Elevation (NGVD): 32.54

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7			mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	10/26/16 16:40	7.11	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	10/26/16 16:40	25.7	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	10/26/16 16:40	731	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	10/26/16 16:40	5.2	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	10/26/16 16:40	0.75	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	11/15/16 8:00	77.1	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	10/28/16 11:10	450	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH$_3$H	11/01/16 9:30	0.07 U	mg/L	0.04	mg/L
000620	Nitrate	"	No	SM 4500NO$_3$F	10/28/16 13:35	0.72	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		10/26/16 16:40	32.54	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 23445

Sampling Date/Time: 10/26/2016 @ 16:15

Well Name: 2MW-25S

Report Period: 2016 Quarter IV

Classification of Groundwater: G-II

Well Purged: YES

Groundwater Elevation (NGVD): DRY

Well Type: DE

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

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 23448

Sampling Date/Time: 10/27/2016 @ 15:55

Well Name: 2MW-26D

Report Period: 2016 Quarter IV

Classification of Groundwater: G-II

Well Purged: YES

Groundwater Elevation (NGVD): 32.89

Well Type: DE

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7			mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	10/27/16 15:55	7.22	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	10/27/16 15:55	25.90	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	10/27/16 15:55	585	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	10/27/16 15:55	5.41	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	10/27/16 15:55	0.28	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	11/15/16 8:00	52.2	mg/L	0.10	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	11/03/16 11:20	346	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	11/01/16 9:30	0.07 U	mg/L	0.04	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	10/28/16 13:35	0.33	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		10/27/16 15:55	32.89	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 23447

Sampling Date/Time: 10/27/2016 @ 15:05

Well Name: 2MW-26S

Report Period: 2016 Quarter IV

Classification of Groundwater: G-II

Well Purged: YES

Groundwater Elevation (NGVD): ___DRY_____

Well Type: DE

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

PART III ANALYTICAL RESULTS

Facility ID#: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 23449

Sampling Date/Time: 10/31/2016 @ 10:58

Well Name: 2MW-27S

Report Period: 2016 Quarter IV

Classification of Groundwater:

Well Purged: YES

Groundwater Elevation (NGVD): 34.04

Well Type: BG

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7			mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	10/31/16 10:58	6.81	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	10/31/16 10:58	25.5	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	10/31/16 10:58	780	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	10/31/16 10:58	3.93	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	10/31/16 10:58	1.67	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	11/15/16 8:00	82.0	mg/L	0.12	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	11/04/16 11:00	484	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	11/01/16 9:30	0.07 U	mg/L	0.07	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	11/09/16 9:30	0.50	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		10/31/16 10:58	34.04	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: 10/31/16 @ 11:57

Well Name: 2MW-27D

Report Period: 2016 Quarter IV

Classification of Groundwater:

Well Purged: YES

Groundwater Elevation (NGVD): 33.98

Well Type: BG

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7			mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	10/31/16 11:57	7.16	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	10/31/16 11:57	24.8	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	10/31/16 11:57	758	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	10/31/16 11:57	4.17	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	10/31/16 11:57	0.99	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	11/15/16 8:00	106	mg/L	0.12	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	11/04/16 11:00	452	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	11/01/16 9:30	0.07 U	mg/L	0.07	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	11/09/16 9:30	1.37	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		10/31/16 11:57	33.98	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID #: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 23451

Sampling Date/Time: 11/16/16 @ 12:10

Well Name: 4MW-27

Report Period: 2016 Quarter IV

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 33.34

Well Type: BG

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7			mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	11/16/16 12:10	7.32	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	11/16/16 12:10	23.4	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	11/16/16 12:10	682	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	11/16/16 12:10	3.15	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	11/16/16 12:10	0.199	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	11/22/16 11:30	92.8	mg/L	0.12	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	11/18/16 9:55	392	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	11/17/16 9:05	0.07	mg/L	0.07	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	11/18/16 8:50	0.39	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		11/16/16 12:10	33.34	Feet NGVD		Feet NGVD

PART III ANALYTICAL RESULTS

Facility ID#: 45799

Site: Resource Recovery Class I Landfill Hays Road

Test Site ID #: 23452

Sampling Date/Time: 11/15/16 @ 15:00

Well Name: 4MW-27D

Report Period: 2016 Quarter IV

Classification of Groundwater: Floridan

Well Purged: YES

Groundwater Elevation (NGVD): 33.36

Well Type: BG

Storet Code	Parameter Monitored	Sampling Method	Field Filtered (Y/N)	Analysis Method	Analysis Date/Time	Analysis Results	Analysis Units	Detection Limits	Detection Units
000929	Sodium	Well Wizard Ded. Mon. System	No	EPA 200.7			mg/L	0.03	mg/L
001045	Iron	"	No	EPA 200.7			ug/L	1.4	ug/L
071900	Mercury	"	No	SM 3112B			ug/L	0.02	ug/L
000400	pH-Field	"	No	FDEP FT 11	11/15/16 15:00	4.42	Std. Units	0.10	Std. Units
000010	Temperature (Field)	"	No	FDEP FT 14	11/15/16 15:00	23.5	°C	0.00	°C
000095	Specific Cond. (Field)	"	No	FDEP FT 12	11/15/16 15:00	278	µmhos/cm	1	µmhos/cm
000344	D.O. (Field)	"	No	FDEP FT 15	11/15/16 15:00	2.19	mg/L	0.1	mg/L
082079	Turbidity	"	No	FDEP FT 16	11/15/16 15:00	3.03	NTU	0.00	NTU
000940	Chloride	"	No	EPA 300.0	11/15/16 17:30	8.57	mg/L	0.12	mg/L
070300	Total Dis. Solids	"	No	SM 2540C	11/18/16 9:55	148	mg/L	0.1	mg/L
000610	Ammonia	"	No	SM 4500NH_3H	11/17/16 9:05	0.18 I	mg/L	0.07	mg/L
000620	Nitrate	"	No	SM 4500NO_3F	11/18/16 8:50	0.03 U	mg/L	0.03	mg/L
072020	Water Level (MSL)	"	No		11/15/16 15:00	33.36	Feet NGVD		Feet NGVD

PASCO COUNTY, FLORIDA

"Bringing Opportunities Home"

Pasco County Utilities Environmental Laboratory Report

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

Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

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

Report Date: 1/11/2017

Sample Number:	**AC44899**	Sample ID:	2MW1 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	10/25/2016	Date Received:	10/25/2016
Time Sampled:	14:30	Time Received:	16:20
Sampled By:	MARIAN B	Received By:	BB
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	10/25/2016	14:30	MBER	86	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	10/25/2016	14:30	MBER	6.36	D	mg/L	0.1
pH Field	FDEP FT 1100	10/25/2016	14:30	MBER	5.82	D	Std Units	0.10
Temperature Field	FDEP FT 1400	10/25/2016	14:30	MBER	27.50	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	10/25/2016	14:30	MBER	63.2	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	10/25/2016	14:30	MBER	35.80	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	11/1/2016	9:30	KS	0.07	U	mg/L	0.07
Nitrate (N)	SM 4500-NO3 F	10/26/2016	9:30	KS	0.11		mg/L	0.03
Color by Observation	Observation	10/25/2016	14:30	MBER	GREY	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	10/28/2016	11:10	ECHR	78		mg/L	0.1
Chloride	EPA 300.0	11/15/2016	8:00	AS	1.55		mg/L	0.12

Analysis Comments:

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

Candia E. Mulhern, Laboratory Director

This Document Meets All the Requirements of the 2003 NELAC Standards

PASCO COUNTY, FLORIDA

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CLIENT/SAMPLE INFORMATION

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

Report Date: 1/11/2017

Sample Number:	**AC44900**	Sample ID:	4MW1 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	10/25/2016	Date Received:	10/25/2016
Time Sampled:	13:34	Time Received:	16:20
Sampled By:	MARIAN B	Received By:	BB
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	10/25/2016	13:34	MBER	982	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	10/25/2016	13:34	MBER	4.11	D	mg/L	0.1
pH Field	FDEP FT 1100	10/25/2016	13:34	MBER	7.02	D	Std Units	0.10
Temperature Field	FDEP FT 1400	10/25/2016	13:34	MBER	25.8	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	10/25/2016	13:34	MBER	0.06	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	10/25/2016	13:34	MBER	35.29	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	11/1/2016	9:30	KS	0.07	U	mg/L	0.07
Nitrate (N)	SM 4500-NO3 F	10/26/2016	9:30	KS	1.82		mg/L	0.03
Color by Observation	Observation	10/25/2016	13:34	MBER	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	10/28/2016	11:10	ECHR	600	XC	mg/L	0.1
Chloride	EPA 300.0	11/15/2016	8:00	AS	137		mg/L	0.12

Analysis Comments:

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

Candia E. Mulhern, Laboratory Director

This Document Meets All the Requirements of the 2003 NELAC Standards

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

NELAC Certification: E44123
EPA Lab Code: FL00137

PASCO COUNTY, FLORIDA

"Bringing Opportunities Home"

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Chris Childress, QA/QC Officer

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CLIENT/SAMPLE INFORMATION

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

Report Date: 1/12/2017

Sample Number:	**AC44678**	Sample ID:	2MW2 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	10/19/2016	Date Received:	10/19/2016
Time Sampled:	11:33	Time Received:	16:00
Sampled By:	MARIAN B	Received By:	BB
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	10/19/2016	11:33	MBER	94	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	10/19/2016	11:33	MBER	11.7	D	mg/L	0.1
pH Field	FDEP FT 1100	10/19/2016	11:33	MBER	5.15	D	Std Units	0.10
Temperature Field	FDEP FT 1400	10/19/2016	11:33	MBER	24.8	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	10/20/2016	10:00	ECHR	0.768	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	10/19/2016	11:33	MBER	38.01	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	11/1/2016	9:30	KS	0.07	U	mg/L	0.07
Nitrate (N)	SM 4500-NO3 F	10/26/2016	9:30	KS	4.21		mg/L	0.03
Color by Observation	Observation	10/19/2016	11:33	MBER	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	10/25/2016	12:45	ECHR	112		mg/L	0.1
Chloride	EPA 300.0	11/11/2016	3:12	PACE	5.3		mg/L	2.5

Analysis Comments:

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

Candia E. Mulhern, Laboratory Director

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NELAC Certification: E44123
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PASCO COUNTY, FLORIDA

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Pasco County Utilities Environmental Laboratory Report

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

Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

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

Report Date: 1/11/2017

Sample Number:	**AC44679**	Sample ID:	4MW2 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	10/19/2016	Date Received:	10/19/2016
Time Sampled:	13:35	Time Received:	16:00
Sampled By:	MARIAN B	Received By:	BB
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	10/19/2016	13:35	MBER	223	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	10/19/2016	13:35	MBER	8.74	D	mg/L	0.1
pH Field	FDEP FT 1100	10/19/2016	13:35	MBER	7.00	D	Std Units	0.10
Temperature Field	FDEP FT 1400	10/19/2016	13:35	MBER	24.2	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	10/19/2016	13:35	ECHR	0.143	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	10/19/2016	13:35	MBER	37.38	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	11/1/2016	9:30	KS	0.07	U	mg/L	0.07
Nitrate (N)	SM 4500-NO3 F	10/26/2016	9:30	KS	1.08		mg/L	0.03
Color by Observation	Observation	10/19/2016	13:35	MBER	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	10/25/2016	12:45	ECHR	172		mg/L	0.1
Chloride	EPA 300.0	11/11/2016	3:34	PACE	5.5		mg/L	2.5

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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

Report Date: 1/9/2017

Sample Number:	**AC45177**	Sample ID:	2MW4 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/1/2016	Date Received:	11/1/2016
Time Sampled:	12:20	Time Received:	17:00
Sampled By:	MARIAN B	Received By:	EC
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Water Level (NGVD)	DEP-SOP	11/1/2016	12:20	MBER	DRY	D	Ft.	0

Analysis Comments:

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

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

Report Date: 1/9/2017

Sample Number:	**AC45175**	Sample ID:	4MW4 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/1/2016	Date Received:	11/1/2016
Time Sampled:	11:26	Time Received:	17:00
Sampled By:	MARIAN B	Received By:	EC
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	11/1/2016	11:26	MBER	429	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	11/1/2016	11:26	MBER	3.41	D	mg/L	0.1
pH Field	FDEP FT 1100	11/1/2016	11:26	MBER	7.11	D	Std Units	0.10
Temperature Field	FDEP FT 1400	11/1/2016	11:26	MBER	25.30	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	11/1/2016	11:26	MBER	0.95	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	11/1/2016	11:26	MBER	29.31	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	11/10/2016	9:50	KS	0.07	U	mg/L	0.07
Nitrate (N)	SM 4500-NO3 F	11/9/2016	9:30	KS	0.39		mg/L	0.03
Color by Observation	Observation	11/1/2016	11:26	MBER	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	11/4/2016	11:00	EC	238		mg/L	0.1
Chloride	EPA 300.0	11/15/2016	8:00	AS	16.6		mg/L	0.12

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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

Report Date: 1/9/2017

Sample Number:	**AC44680**	Sample ID:	2MW5 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	10/19/2016	Date Received:	10/19/2016
Time Sampled:	14:30	Time Received:	16:00
Sampled By:	MARIAN B	Received By:	BB
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Water Level (NGVD)	DEP-SOP	10/19/2016	14:30	MBER	DRY	D	Ft.	0

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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

Report Date: 1/9/2017

Sample Number:	**AC45646**	Sample ID:	4MW5 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/14/2016	Date Received:	11/14/2016
Time Sampled:	16:35	Time Received:	17:25
Sampled By:	MARIAN B	Received By:	BB
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	11/14/2016	16:35	MBER	609	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	11/14/2016	16:35	MBER	3.42	D	mg/L	0.1
pH Field	FDEP FT 1100	11/14/2016	16:35	MBER	7.04	D	Std Units	0.10
Temperature Field	FDEP FT 1400	11/14/2016	16:35	MBER	22.80	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	11/14/2016	16:35	MBER	0.32	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	11/14/2016	16:35	MBER	29.64	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	11/17/2016	9:05	KS	0.07	U	mg/L	0.07
Nitrate (N)	SM 4500-NO3 F	11/18/2016	8:50	KS	0.71		mg/L	0.03
Color by Observation	Observation	11/14/2016	16:35	MBER	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	11/15/2016	8:25	KS	368		mg/L	0.1
Chloride	EPA 300.0	11/15/2016	8:00	AS	64.0		mg/L	0.12

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CLIENT/SAMPLE INFORMATION

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

Report Date: 1/9/2017

Sample Number:	**AC45124**	Sample ID:	2MW6 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	10/31/2016	Date Received:	10/31/2016
Time Sampled:	16:10	Time Received:	16:45
Sampled By:	MARIAN B	Received By:	AS
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Water Level (NGVD)	DEP-SOP	10/31/2016	16:10	MBER	DRY	D	Ft.	0

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

Report Date: 1/9/2017

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

Sample Number:	**AC45176**	Sample ID:	4MW6 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/1/2016	Date Received:	11/1/2016
Time Sampled:	16:06	Time Received:	17:00
Sampled By:	MARIAN B	Received By:	EC
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	11/1/2016	16:06	MBER	155	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	11/1/2016	16:06	MBER	6.53	D	mg/L	0.1
pH Field	FDEP FT 1100	11/1/2016	16:06	MBER	7.86	D	Std Units	0.10
Temperature Field	FDEP FT 1400	11/1/2016	16:06	MBER	24.7	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	11/1/2016	16:06	MBER	0.37	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	11/1/2016	16:06	MBER	34.21	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	11/10/2016	9:50	KS	0.07	U	mg/L	0.07
Nitrate (N)	SM 4500-NO3 F	11/9/2016	9:30	KS	0.57		mg/L	0.03
Color by Observation	Observation	11/1/2016	16:06	MBER	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	11/4/2016	11:00	EC	82		mg/L	0.1
Chloride	EPA 300.0	11/15/2016	8:00	AS	4.40		mg/L	0.12

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

Report Date: 1/11/2017

Sample Number:	**AC44975**	Sample ID:	4MW11D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	10/26/2016	Date Received:	10/27/2016
Time Sampled:	14:15	Time Received:	7:31
Sampled By:	MARIAN B	Received By:	CEM
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	10/26/2016	14:15	MBER	390	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	10/26/2016	14:15	MBER	10.04	D	mg/L	0.1
pH Field	FDEP FT 1100	10/26/2016	14:15	MBER	7.33	D	Std Units	0.10
Temperature Field	FDEP FT 1400	10/26/2016	14:15	MBER	24.90	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	10/26/2016	14:15	MBER	0.67	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	10/26/2016	14:15	MBER	33.72	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	11/1/2016	9:30	KS	0.07	U	mg/L	0.07
Nitrate (N)	SM 4500-NO3 F	10/28/2016	13:35	KS	0.58		mg/L	0.03
Color by Observation	Observation	10/26/2016	14:15	MBER	CLEAR		ObsColor	0
Total Dissolved Solids	SM 2540 C	10/28/2016	11:10	ECHR	234		mg/L	0.1
Chloride	EPA 300.0	11/15/2016	8:00	AS	25.7		mg/L	0.12

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CLIENT/SAMPLE INFORMATION

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

Report Date: 1/11/2017

Sample Number:	**AC44974**	Sample ID:	4MW12D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	10/26/2016	Date Received:	10/27/2016
Time Sampled:	12:36	Time Received:	7:31
Sampled By:	MARIAN B	Received By:	CEM
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	10/26/2016	12:36	MBER	449	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	10/26/2016	12:36	MBER	7.97	D	mg/L	0.1
pH Field	FDEP FT 1100	10/26/2016	12:36	MBER	7.32	D	Std Units	0.10
Temperature Field	FDEP FT 1400	10/26/2016	12:36	MBER	25.8	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	10/26/2016	12:36	MBER	0.5	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	10/26/2016	12:36	MBER	32.35	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	11/1/2016	9:30	KS	0.07	U	mg/L	0.07
Nitrate (N)	SM 4500-NO3 F	10/28/2016	13:35	KS	0.57		mg/L	0.03
Color by Observation	Observation	10/26/2016	12:36	MBER	CLEAR		ObsColor	0
Total Dissolved Solids	SM 2540 C	10/28/2016	11:10	ECHR	266		mg/L	0.1
Chloride	EPA 300.0	11/15/2016	8:00	AS	29.3		mg/L	0.12

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CLIENT/SAMPLE INFORMATION

Report Date: 1/9/2017

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

Sample Number:	**AC45645**	Sample ID:	2MW13D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/14/2016	Date Received:	11/14/2016
Time Sampled:	13:40	Time Received:	17:25
Sampled By:	MARIAN B	Received By:	BB
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Water Level (NGVD)	DEP-SOP	11/14/2016	13:40	MBER	DRY	D	Ft.	0

Analysis Comments:

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

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

Report Date: 1/11/2017

Sample Number:	**AC44973**	Sample ID:	4MW13D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	10/26/2016	Date Received:	10/27/2016
Time Sampled:	11:30	Time Received:	7:31
Sampled By:	MARIAN B	Received By:	CEM
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	10/26/2016	11:30	MBER	465	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	10/26/2016	11:30	MBER	9.12	D	mg/L	0.1
pH Field	FDEP FT 1100	10/26/2016	11:30	MBER	7.44	D	Std Units	0.10
Temperature Field	FDEP FT 1400	10/26/2016	11:30	MBER	26.40	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	10/26/2016	11:30	MBER	0.49	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	10/26/2016	11:30	MBER	30.27	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	11/1/2016	9:30	KS	0.07	U	mg/L	0.07
Nitrate (N)	SM 4500-NO3 F	10/28/2016	13:35	KS	0.03	U	mg/L	0.03
Color by Observation	Observation	10/26/2016	11:30	MBER	CLEAR		ObsColor	0
Total Dissolved Solids	SM 2540 C	10/28/2016	11:10	ECHR	266		mg/L	0.1
Chloride	EPA 300.0	11/15/2016	8:00	AS	21.3		mg/L	0.12

Analysis Comments:

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I = Reported value is greater than or equal to the detection limit, but less than PQL.
XC = Reported value exceeds the Maximum Contaminant Level (F.A.C. 62-550).
MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Director

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PASCO COUNTY, FLORIDA

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Pasco County Utilities Environmental Laboratory Report

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Contacts: Gloria Krueger, Administrative Secretary
Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

Report Date: 1/11/2017

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

Sample Number:	**AC45035**	Sample ID:	4MW14D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	10/27/2016	Date Received:	10/28/2016
Time Sampled:	12:07	Time Received:	9:39
Sampled By:	MARIAN B	Received By:	EC
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	10/27/2016	12:07	MBER	408	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	10/27/2016	12:07	MBER	2.16	D	mg/L	0.1
pH Field	FDEP FT 1100	10/27/2016	12:07	MBER	7.19	D	Std Units	0.10
Temperature Field	FDEP FT 1400	10/27/2016	12:07	MBER	27.50	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	10/27/2016	12:07	MBER	0.56	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	10/27/2016	12:07	MBER	32.75	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	11/1/2016	9:30	KS	0.07	U	mg/L	0.07
Nitrate (N)	SM 4500-NO3 F	10/28/2016	13:35	KS	0.53		mg/L	0.03
Color by Observation	Observation	10/27/2016	12:07	MBER	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	11/3/2016	11:20	ECHR	238		mg/L	0.1
Chloride	EPA 300.0	11/15/2016	8:00	AS	23.5		mg/L	0.12

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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

Report Date: 1/11/2017

Sample Number:	**AC45123**	Sample ID:	2MW15DA @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	10/31/2016	Date Received:	10/31/2016
Time Sampled:	15:17	Time Received:	16:45
Sampled By:	MARIAN B	Received By:	AS
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	10/31/2016	15:17	MBER	312	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	10/31/2016	15:17	MBER	3.56	D	mg/L	0.1
pH Field	FDEP FT 1100	10/31/2016	15:17	MBER	7.39	D	Std Units	0.10
Temperature Field	FDEP FT 1400	10/31/2016	15:17	MBER	26.60	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	10/31/2016	15:17	MBER	1.20	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	10/31/2016	15:17	MBER	35.31	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	11/1/2016	9:30	KS	0.07	U	mg/L	0.07
Nitrate (N)	SM 4500-NO3 F	11/9/2016	9:30	KS	0.19		mg/L	0.03
Color by Observation	Observation	10/31/2016	15:17	MBER	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	11/4/2016	11:00	EC	162		mg/L	0.1
Chloride	EPA 300.0	11/15/2016	8:00	AS	9.20		mg/L	0.12

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CLIENT/SAMPLE INFORMATION

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

Report Date: 1/9/2017

Sample Number:	**AC45247**	Sample ID:	2MW17S @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/2/2016	Date Received:	11/2/2016
Time Sampled:	10:25	Time Received:	17:30
Sampled By:	MARIAN B	Received By:	as
		Delivered By:	mb

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	11/2/2016	10:25	MBER	385	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	11/2/2016	10:25	MBER	5.83	D	mg/L	0.1
pH Field	FDEP FT 1100	11/2/2016	10:25	MBER	5.88	D	Std Units	0.10
Temperature Field	FDEP FT 1400	11/2/2016	10:25	MBER	26.8	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	11/2/2016	10:25	MBER	1.28	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	11/2/2016	10:25	MBER	29.44	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	11/10/2016	9:50	KS	0.07	U	mg/L	0.07
Nitrate (N)	SM 4500-NO3 F	11/9/2016	13:50	KS	11.9		mg/L	0.03
Color by Observation	Observation	11/2/2016	10:25	MBER	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	11/4/2016	11:00	EC	298		mg/L	0.1
Chloride	EPA 300.0	11/15/2016	8:00	AS	40.3		mg/L	0.12

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CLIENT/SAMPLE INFORMATION

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

Report Date: 1/12/2017

Sample Number	**AC45249**	Sample ID:	2MW18D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/2/2016	Date Received:	11/2/2016
Time Sampled:	13:33	Time Received:	17:30
Sampled By:	MARIAN B	Received By:	as
		Delivered By:	mb

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	11/2/2016	13:33	MBER	516	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	11/2/2016	13:33	MBER	2.8	D	mg/L	0.1
pH Field	FDEP FT 1100	11/2/2016	13:33	MBER	7.06	D	Std Units	0.10
Temperature Field	FDEP FT 1400	11/2/2016	13:33	MBER	25.6	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	11/2/2016	13:33	MBER	1.77	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	11/2/2016	13:33	MBER	29.19	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	11/10/2016	9:50	KS	0.07	U	mg/L	0.07
Nitrate (N)	SM 4500-NO3 F	11/9/2016	13:50	KS	0.84		mg/L	0.03
Color by Observation	Observation	11/2/2016	13:33	MBER	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	11/4/2016	11:00	EC	292		mg/L	0.1
Chloride	EPA 300.0	11/15/2016	8:00	AS	30.2		mg/L	0.12

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Report Date: 1/9/2017

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

Sample Number:	**AC45248**	Sample ID:	2MW19D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/2/2016	Date Received:	11/2/2016
Time Sampled:	12:15	Time Received:	17:30
Sampled By:	MARIAN B	Received By:	as
		Delivered By:	mb

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	11/2/2016	12:15	MBER	479	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	11/2/2016	12:15	MBER	2.55	D	mg/L	0.1
pH Field	FDEP FT 1100	11/2/2016	12:15	MBER	7.06	D	Std Units	0.10
Temperature Field	FDEP FT 1400	11/2/2016	12:15	MBER	25.6	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	11/2/2016	12:15	MBER	1.04	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	11/2/2016	12:15	MBER	29.93	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	11/10/2016	9:50	KS	0.07	U	mg/L	0.07
Nitrate (N)	SM 4500-NO3 F	11/9/2016	13:50	KS	0.65		mg/L	0.03
Color by Observation	Observation	11/2/2016	12:15	MBER	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	11/4/2016	11:00	EC	252		mg/L	0.1
Chloride	EPA 300.0	11/15/2016	8:00	AS	20.1		mg/L	0.12

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CLIENT/SAMPLE INFORMATION

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

Report Date: 1/11/2017

Sample Number:	**AC45121**	Sample ID:	2MW27S @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	10/31/2016	Date Received:	10/31/2016
Time Sampled:	10:58	Time Received:	16:45
Sampled By:	MARIAN B	Received By:	AS
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	10/31/2016	10:58	MBER	780	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	10/31/2016	10:58	MBER	3.93	D	mg/L	0.1
pH Field	FDEP FT 1100	10/31/2016	10:58	MBER	6.81	D	Std Units	0.10
Temperature Field	FDEP FT 1400	10/31/2016	10:58	MBER	25.5	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	10/31/2016	10:58	MBER	1.67	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	10/31/2016	10:58	MBER	34.04	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	11/1/2016	9:30	KS	0.07	U	mg/L	0.07
Nitrate (N)	SM 4500-NO3 F	11/9/2016	9:30	KS	0.50		mg/L	0.03
Color by Observation	Observation	10/31/2016	10:58	MBER	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	11/4/2016	11:00	EC	484		mg/L	0.1
Chloride	EPA 300.0	11/15/2016	8:00	AS	82.0		mg/L	0.12

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CLIENT/SAMPLE INFORMATION

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

Report Date: 1/11/2017

Sample Number:	**AC45122**	Sample ID:	2MW27D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	10/31/2016	Date Received:	10/31/2016
Time Sampled:	11:57	Time Received:	16:45
Sampled By:	MARIAN B	Received By:	AS
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	10/31/2016	11:57	MBER	758	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	10/31/2016	11:57	MBER	4.17	D	mg/L	0.1
pH Field	FDEP FT 1100	10/31/2016	11:57	MBER	7.16	D	Std Units	0.10
Temperature Field	FDEP FT 1400	10/31/2016	11:57	MBER	24.8	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	10/31/2016	11:57	MBER	0.99	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	10/31/2016	11:57	MBER	33.98	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	11/1/2016	9:30	KS	0.07	U	mg/L	0.07
Nitrate (N)	SM 4500-NO3 F	11/9/2016	9:30	KS	1.37		mg/L	0.03
Color by Observation	Observation	10/31/2016	11:57	MBER	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	11/4/2016	11:00	EC	452		mg/L	0.1
Chloride	EPA 300.0	11/15/2016	8:00	AS	106		mg/L	0.12

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CLIENT/SAMPLE INFORMATION

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

Report Date: 1/9/2017

Sample Number:	**AC45754**	Sample ID:	4MW27 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/16/2016	Date Received:	11/16/2016
Time Sampled:	12:10	Time Received:	18:05
Sampled By:	MARIAN B	Received By:	CEM
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	11/16/2016	12:10	MBER	682	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	11/16/2016	12:10	MBER	3.15	D	mg/L	0.1
pH Field	FDEP FT 1100	11/16/2016	12:10	MBER	7.32	D	Std Units	0.10
Temperature Field	FDEP FT 1400	11/16/2016	12:10	MBER	23.40	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	11/16/2016	12:10	MBER	0.199	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	11/16/2016	12:10	MBER	33.34	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	11/17/2016	9:05	KS	0.07	U	mg/L	0.07
Nitrate (N)	SM 4500-NO3 F	11/18/2016	8:50	KS	0.39		mg/L	0.03
Color by Observation	Observation	11/16/2016	12:10	MBER	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	11/18/2016	9:55	KS	392		mg/L	0.1
Chloride	EPA 300.0	11/22/2016	11:30	AS	92.8		mg/L	0.12

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CLIENT/SAMPLE INFORMATION

Report Date: 1/9/2017

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

Sample Number:	**AC45714**	Sample ID:	4MW27D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/15/2016	Date Received:	11/15/2016
Time Sampled:	15:00	Time Received:	17:18
Sampled By:	MARIAN B	Received By:	BB
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	11/15/2016	15:00	MBER	278	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	11/15/2016	15:00	MBER	2.19	D	mg/L	0.1
pH Field	FDEP FT 1100	11/15/2016	15:00	MBER	4.42	D	Std Units	0.10
Temperature Field	FDEP FT 1400	11/15/2016	15:00	MBER	23.5	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	11/15/2016	15:00	MBER	3.03	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	11/15/2016	15:00	MBER	33.36	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	11/17/2016	9:05	KS	0.18	I	mg/L	0.07
Nitrate (N)	SM 4500-NO3 F	11/18/2016	8:50	KS	0.03	U	mg/L	0.03
Color by Observation	Observation	11/15/2016	15:00	MBER	CLEAR		ObsColor	0
Total Dissolved Solids	SM 2540 C	11/18/2016	9:55	KS	148		mg/L	0.1
Chloride	EPA 300.0	11/15/2016	17:30	AS	8.57		mg/L	0.12

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CLIENT/SAMPLE INFORMATION

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

Report Date: 1/11/2017

Sample Number:	**AC45036**	Sample ID:	2MW-24S @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	10/27/2016	Date Received:	10/28/2016
Time Sampled:	13:12	Time Received:	9:39
Sampled By:	MARIAN B	Received By:	EC
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	10/27/2016	13:12	MBER	422	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	10/27/2016	13:12	MBER	8.84	D	mg/L	0.1
pH Field	FDEP FT 1100	10/27/2016	13:12	MBER	6.64	D	Std Units	0.10
Temperature Field	FDEP FT 1400	10/27/2016	13:12	MBER	26.4	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	10/27/2016	13:12	MBER	60.8	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	10/27/2016	13:12	MBER	32.37	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	11/1/2016	9:30	KS	0.07	U	mg/L	0.07
Nitrate (N)	SM 4500-NO3 F	10/28/2016	13:35	KS	3.33		mg/L	0.03
Color by Observation	Observation	10/27/2016	13:12	MBER	ORANGE	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	11/3/2016	11:20	ECHR	272		mg/L	0.1
Chloride	EPA 300.0	11/15/2016	8:00	AS	17.9		mg/L	0.12

Analysis Comments:

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

Candia E. Mulhern, Laboratory Director

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Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

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

Report Date: 1/11/2017

Sample Number:	**AC45037**	Sample ID:	2MW-24D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	10/27/2016	Date Received:	10/28/2016
Time Sampled:	14:25	Time Received:	9:39
Sampled By:	MARIAN B	Received By:	EC
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	10/27/2016	14:25	MBER	546	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	10/27/2016	14:25	MBER	5.54	D	mg/L	0.1
pH Field	FDEP FT 1100	10/27/2016	14:25	MBER	7.27	D	Std Units	0.10
Temperature Field	FDEP FT 1400	10/27/2016	14:25	MBER	26.50	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	10/27/2016	14:25	MBER	0.20	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	10/27/2016	14:25	MBER	32.34	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	11/1/2016	9:30	KS	0.07	U	mg/L	0.07
Nitrate (N)	SM 4500-NO3 F	10/28/2016	13:35	KS	1.51		mg/L	0.03
Color by Observation	Observation	10/27/2016	14:25	MBER	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	11/3/2016	11:20	ECHR	328		mg/L	0.1
Chloride	EPA 300.0	11/15/2016	8:00	AS	46.4		mg/L	0.12

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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

Report Date: 1/11/2017

Sample Number:	**AC44977**	Sample ID:	2MW-25D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	10/26/2016	Date Received:	10/27/2016
Time Sampled:	16:40	Time Received:	7:31
Sampled By:	MARIAN B	Received By:	CEM
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	10/26/2016	16:40	MBER	731	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	10/26/2016	16:40	MBER	5.2	D	mg/L	0.1
pH Field	FDEP FT 1100	10/26/2016	16:40	MBER	7.11	D	Std Units	0.10
Temperature Field	FDEP FT 1400	10/26/2016	16:40	MBER	25.7	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	10/26/2016	16:40	MBER	0.75	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	10/26/2016	16:40	MBER	32.54	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	11/1/2016	9:30	KS	0.07	U	mg/L	0.07
Nitrate (N)	SM 4500-NO3 F	10/28/2016	13:35	KS	0.72		mg/L	0.03
Color by Observation	Observation	10/26/2016	16:40	MBER	CLEAR		ObsColor	0
Total Dissolved Solids	SM 2540 C	10/28/2016	11:10	ECHR	450		mg/L	0.1
Chloride	EPA 300.0	11/15/2016	8:00	AS	77.1		mg/L	0.12

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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

Report Date: 1/9/2017

Sample Number:	**AC44978**	Sample ID:	2MW-25S @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	10/26/2016	Date Received:	10/27/2016
Time Sampled:	16:15	Time Received:	7:31
Sampled By:	MARIAN B	Received By:	CEM
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Water Level (NGVD)	DEP-SOP	10/26/2016	16:40	MBER	DRY	D	Ft.	0

Analysis Comments:

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

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

Report Date: 1/11/2017

Sample Number:	**AC45038**	Sample ID:	2MW-26D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	10/27/2016	Date Received:	10/28/2016
Time Sampled:	15:55	Time Received:	9:39
Sampled By:	MARIAN B	Received By:	EC
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	10/27/2016	15:55	MBER	585	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	10/27/2016	15:55	MBER	5.41	D	mg/L	0.1
pH Field	FDEP FT 1100	10/27/2016	15:55	MBER	7.22	D	Std Units	0.10
Temperature Field	FDEP FT 1400	10/27/2016	15:55	MBER	25.90	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	10/27/2016	15:55	MBER	0.28	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	10/27/2016	15:55	MBER	32.89	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	11/1/2016	9:30	KS	0.07	U	mg/L	0.07
Nitrate (N)	SM 4500-NO3 F	10/28/2016	13:35	KS	0.33		mg/L	0.03
Color by Observation	Observation	10/27/2016	15:55	MBER	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	11/3/2016	11:20	ECHR	346		mg/L	0.1
Chloride	EPA 300.0	11/15/2016	8:00	AS	52.2		mg/L	0.12

Analysis Comments:

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

Report Date: 1/9/2017

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

Sample Number:	**AC45039**	Sample ID:	2MW-26S @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	10/27/2016	Date Received:	10/28/2016
Time Sampled:	15:05	Time Received:	9:39
Sampled By:	MARIAN B	Received By:	EC
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Water Level (NGVD)	DEP-SOP	10/27/2016	15:05	MBER	DRY	D	Ft.	0

Analysis Comments:

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

Report Date: 1/9/2017

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

Sample Number:	**AC45716**	Sample ID:	2MW3A @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/15/2016	Date Received:	11/15/2016
Time Sampled:	16:11	Time Received:	17:18
Sampled By:	MARIAN B	Received By:	BB
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Water Level (NGVD)	DEP-SOP	11/15/2016	16:11	MBER	DRY	D	Ft.	0

Analysis Comments:

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

Report Date: 1/9/2017

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

Sample Number:	**AC45643**	Sample ID:	2MW7 @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/14/2016	Date Received:	11/14/2016
Time Sampled:	10:20	Time Received:	17:25
Sampled By:	MARIAN B	Received By:	BB
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Water Level (NGVD)	DEP-SOP	11/14/2016	10:20	MBER	DRY	D	Ft.	0

Analysis Comments:

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

Report Date: 1/9/2017

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

Sample Number:	**AC45250**	Sample ID:	2MW8 @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/2/2016	Date Received:	11/2/2016
Time Sampled:	14:15	Time Received:	17:30
Sampled By:	MARIAN B	Received By:	as
		Delivered By:	mb

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Water Level (NGVD)	DEP-SOP	11/2/2016	14:15	MBER	DRY		Ft.	0

Analysis Comments:

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

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

Report Date: 1/11/2017

Sample Number:	**AC45298**	Sample ID:	2MW9 @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/3/2016	Date Received:	11/3/2016
Time Sampled:	14:00	Time Received:	17:08
Sampled By:	MARIAN B	Received By:	BB
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Water Level (NGVD)	DEP-SOP	11/3/2016	14:00	MBER	30.99	D	Ft.	0

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.
I = Reported value is greater than or equal to the detection limit, but less than PQL.
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CLIENT/SAMPLE INFORMATION

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

Report Date: 1/11/2017

Sample Number:	**AC45297**	Sample ID:	2MW10 @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/3/2016	Date Received:	11/3/2016
Time Sampled:	11:55	Time Received:	17:08
Sampled By:	MARIAN B	Received By:	BB
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Water Level (NGVD)	DEP-SOP	11/3/2016	11:55	MBER	37.48	D	Ft.	0

Analysis Comments:

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

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

Report Date: 1/9/2017

Sample Number:	**AC45715**	Sample ID:	4MW3A @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/15/2016	Date Received:	11/15/2016
Time Sampled:	16:05	Time Received:	17:18
Sampled By:	MARIAN B	Received By:	BB
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Water Level (NGVD)	DEP-SOP	11/15/2016	16:05	MBER	DRY	D	Ft.	0

Analysis Comments:

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

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

Report Date: 1/9/2017

Sample Number:	**AC45644**	Sample ID:	4MW7 @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/14/2016	Date Received:	11/14/2016
Time Sampled:	12:30	Time Received:	17:25
Sampled By:	MARIAN B	Received By:	BB
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	11/14/2016	12:30	MBER	372	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	11/14/2016	12:30	MBER	3.83	D	mg/L	0.1
pH Field	FDEP FT 1100	11/14/2016	12:30	MBER	7.18	D	Std Units	0.10
Temperature Field	FDEP FT 1400	11/14/2016	12:30	MBER	24.50	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	11/14/2016	12:30	MBER	0.82	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	11/14/2016	12:30	MBER	31.42	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	11/17/2016	9:05	KS	0.07	U	mg/L	0.07
Nitrate (N)	SM 4500-NO3 F	11/18/2016	8:50	KS	0.16		mg/L	0.03
Color by Observation	Observation	11/14/2016	12:30	MBER	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	11/15/2016	8:25	KS	202		mg/L	0.1
Chloride	EPA 300.0	11/15/2016	8:00	AS	14.7		mg/L	0.12

Analysis Comments:

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Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

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

Report Date: 1/18/2017

Sample Number:	**AC45251**	Sample ID:	4MW8 @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/2/2016	Date Received:	11/2/2016
Time Sampled:	15:56	Time Received:	17:30
Sampled By:	MARIAN B	Received By:	as
		Delivered By:	mb

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	11/2/2016	15:56	MBER	405	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	11/2/2016	15:56	MBER	2.40	D	mg/L	0.1
pH Field	FDEP FT 1100	11/2/2016	15:56	MBER	7.18	D	Std Units	0.10
Temperature Field	FDEP FT 1400	11/2/2016	15:56	MBER	23.90	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	11/2/2016	15:56	MBER	0.40	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	11/2/2016	15:56	MBER	32.19	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	11/10/2016	9:50	KS	0.07	U	mg/L	0.07
Nitrate (N)	SM 4500-NO3 F	11/9/2016	13:50	KS	0.03	U	mg/L	0.03
Color by Observation	Observation	11/2/2016	15:56	MBER	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	11/4/2016	11:00	EC	200		mg/L	0.1
Chloride	EPA 300.0	11/15/2016	8:00	AS	10.5		mg/L	0.12

Analysis Comments:

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

Candia E. Mulhern, Laboratory Director

This Document Meets All the Requirements of the 2003 NELAC Standards

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

NELAC Certification: E44123
EPA Lab Code: FL00137

PASCO COUNTY, FLORIDA

"Bringing Opportunities Home"

Pasco County Utilities Environmental Laboratory Report

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

Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

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

Report Date: 1/11/2017

Sample Number:	**AC45299**	Sample ID:	4MW9 @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/3/2016	Date Received:	11/3/2016
Time Sampled:	13:25	Time Received:	17:09
Sampled By:	MARIAN B	Received By:	BB
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	11/3/2016	13:25	MBER	441	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	11/3/2016	13:25	MBER	3.76	D	mg/L	0.1
pH Field	FDEP FT 1100	11/3/2016	13:25	MBER	7.12	D	Std Units	0.10
Temperature Field	FDEP FT 1400	11/3/2016	13:25	MBER	24.7	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	11/3/2016	13:25	MBER	0.30	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	11/3/2016	13:25	MBER	30.84	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	11/10/2016	9:50	KS	0.07	U	mg/L	0.07
Nitrate (N)	SM 4500-NO3 F	11/9/2016	13:50	KS	0.36		mg/L	0.03
Color by Observation	Observation	11/3/2016	13:25	MBER	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	11/8/2016	14:10	EC	240		mg/L	0.1
Chloride	EPA 300.0	11/15/2016	8:00	AS	25.3		mg/L	0.12

Analysis Comments:

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Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

West Pasco Landfill
Hays Road
Shady Hills, Fl
John Power

Report Date: 1/11/2017

Sample Number:	**AC45295**	Sample ID:	4MW21 @ RES REC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/3/2016	Date Received:	11/3/2016
Time Sampled:	11:10	Time Received:	17:08
Sampled By:	MARIAN B	Received By:	BB
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	11/3/2016	11:10	MBER	148	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	11/3/2016	11:10	MBER	6.65	D	mg/L	0.1
pH Field	FDEP FT 1100	11/3/2016	11:10	MBER	5.41	D	Std Units	0.10
Temperature Field	FDEP FT 1400	11/3/2016	11:10	MBER	24.3	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	11/3/2016	11:10	MBER	1.23	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	11/3/2016	11:10	MBER	31.91	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	11/10/2016	9:50	KS	0.07	U	mg/L	0.07
Nitrate (N)	SM 4500-NO3 F	11/9/2016	13:50	KS	5.95		mg/L	0.03
Color by Observation	Observation	11/3/2016	11:10	MBER	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	11/8/2016	14:10	EC	94		mg/L	0.1
Chloride	EPA 300.0	11/15/2016	8:00	AS	10.3		mg/L	0.12

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Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

West Pasco Landfill
Hays Road
Shady Hills, Fl
John Power

Report Date: 1/11/2017

Sample Number:	**AC45296**	Sample ID:	4MW22
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/3/2016	Date Received:	11/3/2016
Time Sampled:	12:20	Time Received:	17:08
Sampled By:	MARIAN B	Received By:	BB
		Delivered By:	MB

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	11/3/2016	12:20	MBER	487	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	11/3/2016	12:20	MBER	4.12	D	mg/L	0.1
pH Field	FDEP FT 1100	11/3/2016	12:20	MBER	6.94	D	Std Units	0.10
Temperature Field	FDEP FT 1400	11/3/2016	12:20	MBER	25.1	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	11/3/2016	12:20	MBER	0.20	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	11/3/2016	12:20	MBER	30.74	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	11/10/2016	9:50	KS	0.07	U	mg/L	0.07
Nitrate (N)	SM 4500-NO3 F	11/9/2016	13:50	KS	0.07	I	mg/L	0.03
Color by Observation	Observation	11/3/2016	12:20	MBER	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	11/8/2016	14:10	EC	264		mg/L	0.1
Chloride	EPA 300.0	11/15/2016	8:00	AS	17.5		mg/L	0.12

Analysis Comments:

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CLIENT/SAMPLE INFORMATION

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

Report Date: 1/17/2017

Sample Number:	**AC45251**	Sample ID:	4MW8 @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	11/2/2016	Date Received:	11/2/2016
Time Sampled:	15:56	Time Received:	17:30
Sampled By:	MARIAN B	Received By:	as
		Delivered By:	mb

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

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	11/2/2016	15:56	MBER	405	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	11/2/2016	15:56	MBER	2.40	D	mg/L	0.1
pH Field	FDEP FT 1100	11/2/2016	15:56	MBER	7.18	D	Std Units	0.10
Temperature Field	FDEP FT 1400	11/2/2016	15:56	MBER	23.90	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	11/2/2016	15:56	MBER	0.40	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	11/2/2016	15:56	MBER	32.19	D	Ft.	0
Ammonia (N)	SM 4500-NH3 G	11/10/2016	9:50	KS	0.07	U	mg/L	0.07
Nitrate (N)	SM 4500-NO3 F	11/9/2016	13:50	KS	0.03	U	mg/L	0.03
Color by Observation	Observation	11/2/2016	15:56	MBER	CLEAR	D	ObsColor	0
Total Dissolved Solids	SM 2540 C	11/4/2016	11:00	EC	200		mg/L	0.1
Chloride	EPA 300.0	11/15/2016	8:00	AS	10.5		mg/L	0.12

Analysis Comments:

U = Indicates that the compound was analyzed for but not detected.
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RESOURCE RECOVERY SEMI-ANNUAL GWM

2016 QUARTER IV

YEAR: 2016 **QUARTER: IV**

WELL DATA						FIELD ANALYSIS							
WELL I.D.	DATE DAY-MONTH	SAMPLE TIME 24hr.	T.O.P. ELEV. (ft)	STATIC H2O LEVEL (ft)	N.G.V.D (ft)	pH (STD Units)	TEMP. (°C)	SP. COND. (uS/cm)	D.O. (mg/L)	TURB (NTUs)	COLOR OBSERVED	ANALYST	SAMPLE #
2MW2	19-Oct	1133	56.41	18.4	38.01	5.15	24.8	94	11.7	0.768	CLEAR	MB	AC44678
4MW2	19-Oct	1335	56.11	18.73	37.38	7.00	24.2	223	8.74	0.143	CLEAR	MB	AC44679
2MW5	19-Oct	1415	49.17	DRY	DRY							MB	AC44680
2MW1	25-Oct	1430	49.95	14.15	35.80	5.82	27.50	86	6.36	63.2	ORANGE	MB	AC44899
4MW1	25-Oct	1333	50.34	15.05	35.29	7.02	25.80	982	4.11	0.06	CLEAR	MB	AC44900
4MW13D	26-Oct	1130	52.39	22.12	30.27	7.44	26.40	465	9.12	0.49	CLEAR	MB	AC44973
4MW12D	26-Oct	1236	55.03	22.68	32.35	7.32	25.80	449	7.97	0.5	CLEAR	MB	AC44974
4MW11D	26-Oct	1415	65.00	31.28	33.72	7.33	24.90	390	10.04	0.67	CLEAR	MB	AC44975
4MW18D	26-Oct	1515	52.75	22.15	30.60	7.38	27.40	514	9.09	2.61	CLEAR	MB	AC44976
2MW25D	26-Oct	1640	47.87	15.33	32.54	7.11	25.70	731	5.20	0.75	CLEAR	MB	AC44977
2MW25S	26-Oct	1615	47.84	DRY	DRY							MB	AC44978
4MW14D	27-Oct	1207	52.00	19.25	32.75	7.19	27.50	408	2.16	0.56	CLEAR	MB	AC45035
2MW24S	27-Oct	13.12	50.37	18	32.37	6.64	26.40	422	8.84	60.8	ORANGE	MB	AC45036
2MW24D	27-Oct	1425	50.55	18.21	32.34	7.27	26.50	546	5.54	0.2	CLEAR	MB	AC45037
2MW26D	27-Oct	1555	54.13	21.24	32.89	7.22	25.90	585	5.41	0.28	CLEAR	MB	AC45038
2MW26S	27-Oct	1505	54.16	DRY	DRY							MB	AC45039
2MW27S	31-Oct	1058	50.44	16.4	34.04	6.81	25.50	780	3.93	1.67	CLEAR	MB	AC45121
2MW27D	31-Oct	1157	50.32	16.34	33.98	7.16	24.80	758	4.17	0.99	CLEAR	MB	AC45122
2MW15AD	31-Oct	1517	54.71	19.4	35.31	7.39	26.60	312	3.56	1.20	CLEAR	MB	AC45123
2MW6	31-Oct	1610	56.11	DRY	DRY							MB	AC45124
4MW4	1-Nov	1126	50.81	21.5	29.31	7.11	25.30	429	3.41	0.95	CLEAR	MB	AC45175
2MW4	1-Nov	1215	54.77	DRY	DRY							MB	AC45177
4MW6	1-Nov	1406	55.93	21.72	34.21	7.86	24.70	155	6.53	0.37	CLEAR	MB	AC45176
2MW17S	2-Nov	1025	53.42	23.98	29.44	5.88	26.80	385	5.83	1.28	CLEAR	MB	AC45247
2MW19D	1-Nov	1215	52.25	22.32	29.93	7.06	25.60	479	2.55	1.04	CLEAR	MB	AC45248
2MW18D	2-Nov	1333	52.75	23.56	29.19	7.06	25.60	516	2.80	1.77	CLEAR	MB	AC45249
2MW8	2-Nov	1415	51.97	DRY	DRY							MB	AC45250

4MW8	2-Nov	1556	51.87	19.68	32.19	7.18	23.90	405	2.40	0.40	CLEAR	MB	AC45251
4MW21	3-Nov	1110	51.46	19.55	31.91	5.41	24.30	148	6.65	1.23	CLEAR	MB	AC45295
4MW22	3-Nov	1220	53.44	22.7	30.74	6.94	25.10	487	4.12	0.20	CLEAR	MB	AC45296
2MW10	3-Nov	1155	52.63	DRY	DRY							MB	AC45297
2MW9	3-Nov	1400	52.29	DRY	DRY							MB	AC45298
4MW9	3-Nov	1325	52.78	21.94	30.84	7.12	24.70	441	3.76	0.30	CLEAR	MB	AC45299
2MW7	14-Nov	1020	52.75	DRY	DRY							MB	AC45643
4MW7	14-Nov	1230	52.62	21.2	31.42	7.18	24.50	372	3.83	0.82	CLEAR	MB	AC45644
2MW13D	14-Nov			DRY	DRY							MB	AC45645
4MW5	14-Nov	1635	49.06	19.42	29.64	7.04	22.80	609	3.42	0.32	CLEAR	MB	AC45646
4MW27D	15-Nov	1500	49.28	15.92	33.36	4.42	23.50	278	2.19	3.03	CLEAR	MB	AC45714
4MW3A	15-Nov	1605	52.92	DRY	DRY							MB	AC45715
2MW3	15-Nov	1611	50.01	DRY	DRY							MB	AC45716
4MW27	16-Nov	1210	49.60	16.26	33.34	7.32	23.40	682	3.15	0.199	CLEAR	MB	AC45754

WELL I.D.	LAB ANALYSIS												
	TURB (NTU)	CL- (mg/L)	TDS (mg/L)	SO4 (mg/L)	NO3 (mg/L)	FECAL	Cd (ug/L)	Cr (ug/L)	As (ug/L)	NH3		Pb (ug/L)	Na (ug/L)
2MW2	0.768	5.3	112		4.21					0.07 U			
4MW2	0.143	5.5	172		1.08					0.07 U			
2MW5													
2MW1	63.2	1.55	78		0.11					0.07 U			
4MW1	0.06	137.0	600 XC		1.82					0.07 U			
4MW13D	0.49	21.3	266		0.03 U					0.07 U			
4MW12D	0.5	29.3	266		0.57					0.07 U			
4MW11D	0.67	25.7	234		0.58					0.07 U			
4MW18D	2.61												
2MW25D	0.75	77.1	450		0.72					0.07 U			
2MW25S													
4MW14D	0.56	23.5	238		0.53					0.07 U			
2MW24S	60.8	17.9	272		3.33					0.07 U			
2MW24D	0.2	46.4	328		1.51					0.07 U			
2MW26D	0.28	52.2	346		0.33					0.07 U			
2MW26S													
2MW27S	1.67	82.0	484		0.50					0.07 U			
2MW27D	0.99	106	452		1.37					0.07 U			
2MW15DA	1.2	9.20	162		0.19					0.07 U			

2MW6													
4MW4	0.95	16.6	238		0.39					0.07 U			
2MW4													
4MW6	0.37	4.40	82		0.57					0.07 U			
2MW17S	1.28	40.3	298		11.90					0.07 U			
2MW19D	1.04	20.1	252		0.65					0.07 U			
2MW18D	1.77	30.2	292		0.84					0.07 U			
2MW8													
4MW8	0.40	10.5	200		0.03 U					0.07 U			
4MW21	1.23	10.3	94		5.95					0.07 U			
4MW22	0.20	17.5	264		0.07 I					0.07 U			
2MW10													
2MW9													
4MW9	0.30	25.3	240		0.36					0.07 U			
2MW7													
4MW7	0.82	14.7	202		0.16					0.07 U			
2MW13D													
4MW5	0.32	64.0	368		0.71					0.07 U			
4MW27D	3.03	8.57	148		0.03 U					0.18 I			
4MW3A													
2MW3A													
4MW27	0.199	92.8	392		0.39					0.07 U			
BILLING DATE:				**SAMPLE TIME:**				**MILEAGE:**					

AMBIENT FIELD CONDITIONS

METER: **CALIBRATION DATE:**

PRESERVATIVES	
TYPE	LOT #
H2SO4	123751
HNO3	1114090

PURGING EQUIPMENT: **Bladder pump and Micro Purge QED compressor**

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24 FS-012-1 Ground Water Sampling Data Sheet rev:9/1/16 [Page ___of___]

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:			
WELL NO.		SAMPLE ID:	2MW-2	SAMPLE DATE:	October 19, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2"			56.41	Submersible Pump

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

TWD:	36.00	STATIC WATER:	18.4	GALLONS / FOOT:	0.16	1 WELL VOLUME=	2.816

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):
		1055	1135	8.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1115	3.00	3.00	0.36	19.55	4.99	25.4	94	10.96		CLEAR	NONE
1124	3.00	6.00	0.36	20.53	4.94	24.50	97	11.26		CLEAR	NONE
1133	2.00	8.00	0.36	21.60	5.15	24.80	94	11.70	0.768	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):	MARIAN BERNAL		VERIFIED:	ENDED:	1133
WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:	
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250	123751	H2SO4	0.5	<2	NO3	101316	2	BP
SAL	PE	125	NA	NA	NA	<2	Fe,Hg,Na,	SAL		BP
1	PE	125	NA	NA	NA	NA	Cl,	101316	2	BP
1	PE	250	NA	NA	NA	NA	TDS, TURB	101316	1	BP
1	PE	125	NA	NA	NA	NA	NH3	101316	01	BP
NGVD:	**38.01**									

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

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump **RFPP**=Reverse Flow Peristalic 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 FS-012-1 Ground Water Sampling Data Sheet rev:9/1/16 [Page ___of___]

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:			
WELL NO.		SAMPLE ID:	4MW-2	SAMPLE DATE:	October 19, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
4"			31.31	BP

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

TWD:	69.00	STATIC WATER:	18.73	GALLONS / FOOT:	0.65	1 WELL VOLUME=	32.6755

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):
		1228	1340	99.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1230	33.00	33.00	0.76	18.40	7.42	24.2	217	5.82		CLEAR	None
1312	33.00	66.00	0.76	18.75	7.62	24.10	216	3.50		CLEAR	None
1335	30.00	99.00	0.76	18.70	7.00	24.20	223	8.74	0.1	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

				VERIFIED:			
SAMPLED BY (PRINT):						ENDED:	1335
WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:			
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250	123751	H2SO4	0.5	<2	NO3	101316	2	
SAL	PE	125	NA	NA	NA	<2	Fe,Hg,Na,	SAL		
1	PE	125	NA	NA	NA	NA	Cl,	101216	2	
1	PE	250	NA	NA	NA	NA	TDS, TURB	101216	1	
1	PE	125	NA	NA	NA	NA	NH3	101316	01	
NGVD:										

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

SAMPLING/PURGING **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristalic 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 FS-012-1 Ground Water Sampling Data Sheet rev:9/1/16 [Page ___of___]

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:			
WELL NO.		SAMPLE ID:	2MW-1	SAMPLE DATE:	October 25, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2"				Submersible Pump

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

TWD:	18.00	STATIC WATER:	14.15	GALLONS / FOOT:	0.16	1 WELL VOLUME=	0.616

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):
				8.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1315	0.75	0.75	na	14.18	5.84	27.1	84	5.95		Brownish	NONE
1345	0.75	1.50	na	14.15	5.79	27.30	81	5.45		Brownish	NONE
1430	0.75	2.25	NA	14.18	5.82	27.50	86	6.36		Brownish	NONE

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):	MARIAN BERNAL		VERIFIED:	ENDED:	1430
WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:	
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250	123751	H2SO4	0.5	<2	NO3	101816	6	B
SAL	PE	125	NA	NA	NA	<2	Fe,Hg,Na,	SAL		B
1	PE	125	NA	NA	NA	NA	Cl,	101816	5	B
1	PE	250	NA	NA	NA	NA	TDS, TURB	101816	6	B
1	PE	125	NA	NA	NA	NA	NH3	101816	05	B
NGVD:										

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

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:			
WELL NO.		SAMPLE ID:	FIELD BLANK	SAMPLE DATE:	October 25, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
				BAILER

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

TWD:		STATIC WATER:		GALLONS / FOOT:		1 WELL 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):
		NA	NA	0.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1245		NA	NA	NA	5.7	25	2.2	8.5	0.052	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

					VERIFIED:		
SAMPLED BY (PRINT):	Marian Bernal					ENDED:	0
WELL (feet):		RATE (ML/MIN.):			TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250	123751	H2SO4	0.5	<2	NO3	101816	06	B
SAL	PE	125	na	na	na	<2	Fe,Hg,Na,	SAL		B
1	PE	125	na	na	na	na	Cl,	101816	05	B
1	PE	250	na	na	na	na	TDS, TURB	101816	06	B
1	PE	125	na	na	na	na	NH3	101816	05	B
NGVD:										

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

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	**RESOURCE RECOVERY**	SITE LOCATION:			
WELL NO.		SAMPLE ID:	4MW-1	SAMPLE DATE:	October 25, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
4"				BP

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

TWD:	60.00	STATIC WATER:	15.05	GALLONS / FOOT:	0.65	1 WELL VOLUME=	29.2175

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):
		1226	1340	70.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1228	29.00	29.00	0.43	14.35	6.99	25.5	980	6.92		CLEAR	None
1314	29.00	58.00	0.46	14.55	7.03	25.50	974	4.80		CLEAR	None
1333	12.00	70.00	0.46	14.35	7.02	25.80	982	4.11		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):	MARIAN BERNAL		VERIFIED:	ENDED:	1333
WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:	
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250	123751	H2SO4	0.5	<2	NO3	101816	6	BP
SAL	PE	125	NA	NA	NA	<2	Fe,Hg,Na,	SAL		BP
1	PE	125	NA	NA	NA	NA	Cl,	101816	5	BP
1	PE	250	NA	NA	NA	NA	TDS, TURB	101816	6	BP
1	PE	125	NA	NA	NA	NA	NH3	101816	05	BP
NGVD:										

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

SAMPLING/PURGING **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	**RESOURCE RECOVERY**	SITE LOCATION:	HAYS RD		
WELL NO.		SAMPLE ID:	4MW-13D	SAMPLE DATE:	October 26, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2				BP

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

	36.00	STATIC WATER:	22.12	GALLONS / FOOT:	0.16	1 WELL VOLUME=	2.2208

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):
		1055	1130	8.50

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1102	2.50	2.50	0.36	22.18	7.32	26.8	440	8.99		CLEAR	None
1115	3.00	5.50	0.42	22.12	7.38	26.70	452	12.15		CLEAR	None
1130	3.00	8.50	0.42	22.00	7.44	26.40	465	9.12		CLEAR	None

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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

				VERIFIED:			
SAMPLED BY (PRINT):	MARIAN Bernal					ENDED:	1130
WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:			
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250	123751	H2SO4	0.5	<2	NO3	101816	5	BP
SAL	PE	125	na	na	na	<2	Fe,Hg,Na,	sal container		BP
1	PE	125	na	na	na	na	Cl,	101916	1	BP
1	PE	250	na	na	na	na	TDS, TURB	101816	5	BP
1	PE	125	na	na	na	na	NH3	101216	02	BP
NGVD:										

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

SAMPLING/PURGING **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:			
WELL NO.		SAMPLE ID:	4MW-12D	SAMPLE DATE:	10//2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2				BP

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

TWD:	55.00	STATIC WATER:	22.68	GALLONS / FOOT:	0.16	1 WELL VOLUME=	5.1712

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	1245	15.50

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1207	5.00	5.00	0.46	22.60	7.24	25.5	447	8.35		CLEAR	None
1220	5.00	10.00	0.46	22.59	7.25	26.00	445	7,71		CLEAR	None
1236	5.50	15.50	0.46	22.60	7.32	25.80	449	7.97		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):	MARIAN BERNAL		VERIFIED:	ENDED:	1236
WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:	
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250	123751	H2SO4	0.5	<2	NO3	101816	05	BP
SAL	PE	125	na	na	na	<2	Fe,Hg,Na,			BP
1	PE	125	na	na	na	na	Cl,	101816	06	BP
1	PE	250	na	na	na	na	TDS, TURB	101816	05	BP
1	PE	125	na	na	na	na	NH3	101816	06	BP
NGVD:										

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

SAMPLING/PURGING **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:			
WELL NO.		SAMPLE ID:	4MW-11D	SAMPLE DATE:	October 26, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2			65.00	BP

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

TWD:	52.00	STATIC WATER:	31.28	GALLONS / FOOT:	0.16	1 WELL VOLUME=	3.3152

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):
		1333	1426	10.75

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1344	3.50	3.50	0.42	31.48	7.33	24.7	388	10.78		CLEAR	None
1349	3.50	7.00	0.46	31.40	7.40	24.80	387	8.02		CLEAR	None
1415	3.75	10.75	0.46	31.55	7.33	24.90	390	10.04	0.67	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

			VERIFIED:		
SAMPLED BY (PRINT):	MARIAN BERNAL			ENDED:	1415
WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:	
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250	123751	H2SO4	0.5	<2	NO3	101816	5	BP
SAL	PE	125	na	na	na	<2	Fe,Hg,Na,	sal container		BP
1	PE	125	na	na	na	na	Cl,	101916	1	BP
1	PE	250	na	na	na	na	TDS, TURB	101816	5	BP
1	PE	125	na	na	na	na	NH3	101216	02	BP
NGVD:										

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

SAMPLING/PURGING **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	**RESOURCE RECOVERY**	SITE LOCATION:	HAYS RD		
WELL NO.		SAMPLE ID:	4MW-18D	SAMPLE DATE:	October 26, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2				BP

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

TWD:	40.00	STATIC WATER:	22.15	GALLONS / FOOT:	0.16	1 WELL VOLUME=	2.856

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):
		1445	1520	9.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1455	3.00	3.00	0.50	22.18	7.28	27.8	498	7.88		CLEAR	None
1503	3.00	6.00	0.50	22.14	7.39	27.60	510	11.43		CLEAR	None
1515	3.00	9.00	0.50	21.80	7.38	27.40	514	9.09	1.77	CLEAR	None

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):	MARIAN BERNAL		VERIFIED:	ENDED:	1515
WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:	
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250	123751	H2SO4	0.5	<2	NO3	101816	5	BP
SAL	PE	125	na	na	na	<2	Fe,Hg,Na,	sal container		BP
1	PE	125	na	na	na	na	Cl,	101916	1	BP
1	PE	250	na	na	na	na	TDS, TURB	101816	5	BP
1	PE	125	na	na	na	na	NH3	101216	02	BP
NGVD:										

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

SAMPLING/PURGING **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	**RESOURCE RECOVERY**	SITE LOCATION:	HAYS RD		
WELL NO.		SAMPLE ID:	2MW-25D	SAMPLE DATE:	October 26, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2				BP

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

TWD:	32.00	STATIC WATER:	15.33	GALLONS / FOOT:	0.16	1 WELL VOLUME=	2.6672

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):
		1620	1645	8.50

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1625	2.75	2.75	0.50	15.28	7.1	26.6	728	5.06		CLEAR	None
1631	2.75	5.50	0.50	15.29	7.10	26.60	727	4.50		CLEAR	None
1640	3.00	8.50	0.50	15.35	7.11	25.70	731	5.20		CLEAR	None

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):	MARIAN BERNAL		VERIFIED:	ENDED:	1640
WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:	
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250	123751	H2SO4	0.5	<2	NO3	101816	5	BP
SAL	PE	125	na	na	na	<2	Fe,Hg,Na,	sal container		BP
1	PE	125	na	na	na	na	Cl,	101916	1	BP
1	PE	250	na	na	na	na	TDS, TURB	101816	5	BP
1	PE	125	na	na	na	na	NH3	101216	02	BP
NGVD:										

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

SAMPLING/PURGING **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	**RESOURCE RECOVERY**	SITE LOCATION:			
WELL NO.		SAMPLE ID:	2MW-25	SAMPLE DATE:	October 26, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2				BP

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

TWD:	17.50	STATIC WATER:	15.25	GALLONS / FOOT:	0.16	1 WELL VOLUME=	0.36

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):
		1608	1615	0.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1615	NONE	DRY		DRY							

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

				VERIFIED:			
SAMPLED BY (PRINT):	MARIAN BERNAL					ENDED:	0
WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:			
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD		BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH			DATE	SERIES	
NONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BP
NGVD:											

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

SAMPLING/PURGING **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:			
WELL NO.		SAMPLE ID:	4MW-14D	SAMPLE DATE:	October 27, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2				BP

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

TWD:	50.00	STATIC WATER:	19.25	GALLONS / FOOT:	0.16	1 WELL VOLUME=	4.92

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):
		1045	1426	0.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1115	5.00	5.00	0.26	19.18	7.23	26.5	417	4.23		CLEAR	None
1142	5.00	10.00	0.26	19.30	7.22	27.3	407	3.08		CLEAR	None
1207	5.00	15.00	0.26	19.30	7.19	27.50	408	2.16	0.56	CLEAR	None

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

				VERIFIED:			
SAMPLED BY (PRINT):	MARIAN BERNAL					ENDED:	0
WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:			
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250	123751	H2SO4	0.5	<2	NO3	101816	5	BP
SAL	PE	125	na	na	na	<2	Fe,Hg,Na,	sal container		BP
1	PE	125	na	na	na	na	Cl,	102616	5	BP
1	PE	250	na	na	na	na	TDS, TURB	101816	5	BP
1	PE	125	na	na	na	na	NH3	102616	05	BP
NGVD:										

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

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump; **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:			
WELL NO.		SAMPLE ID:	2MW-24S	SAMPLE DATE:	October 27, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2				BP

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

TWD:	26.00	STATIC WATER:	18	GALLONS / FOOT:	0.16	1 WELL VOLUME=	1.28

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):
		1251	1317	4.50

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1256	1.50	1.50	0.33		6.59	26.4	357	9.79		Brownish	None
1303	1.50	3.00	0.33		6.58	26.30	398	8.86		Brownish	None
1312	2.00	4.50	0.33		6.64	26.40	422	8.84	60.8	Brownish	None

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

					VERIFIED:		
SAMPLED BY (PRINT):	MARIAN BERNAL					ENDED:	1312
WELL (feet):		RATE (ML/MIN.):			TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250	123751	H2SO4	0.5	<2	NO3	101216	1	BP
SAL	PE	125	na	na	na	<2	Fe,Hg,Na,	sal container		BP
1	PE	125	na	na	na	na	Cl,	101216	6	BP
1	PE	250	na	na	na	na	TDS, TURB	101316	1	BP
1	PE	125	na	na	na	na	NH3	101316	02	BP
NGVD:										

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

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	**RESOURCE RECOVERY**	SITE LOCATION:			
WELL NO.		SAMPLE ID:	2MW-24D	SAMPLE DATE:	October 27, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2				BP

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

TWD:	44.00	STATIC WATER:	18.21	GALLONS / FOOT:	0.16	1 WELL VOLUME=	4.1264

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):
				0.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1400	4.50	4.50	0.40	18.18	7.23	25.5	549	3.55		CLEAR	None
1417	4.50	9.00	0.40	18.20	7.20	25.60	545	4.70		CLEAR	None
1425	4.50	13.50	0.40	18.18	7.27	26.50	546	5.54	0.2	CLEAR	NONE

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

					VERIFIED:		
SAMPLED BY (PRINT):	MARIAN BERNAL					ENDED:	0
WELL (feet):		RATE (ML/MIN.):			TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250	123751	H2SO4	0.5	<2	NO3	101816	5	BP
SAL	PE	125	na	na	na	<2	Fe,Hg,Na,	sal container		BP
1	PE	125	na	na	na	na	Cl,	102616	5	BP
1	PE	250	na	na	na	na	TDS, TURB	101816	5	BP
1	PE	125	na	na	na	na	NH3	102616	05	BP
NGVD:										

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

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump; **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	**RESOURCE RECOVERY**	SITE LOCATION:			
WELL NO.		SAMPLE ID:	2MW-26D	SAMPLE DATE:	October 27, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2				BP

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

TWD:	55.00	STATIC WATER:	21.24	GALLONS / FOOT:	0.16	1 WELL VOLUME=	5.4016

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):
		1517		0.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1533	5.50	5.50	0.50	20.95	7.13	25.6	575	4.86		CLEAR	None
1544	5.50	11.00	0.50	21.20	7.13	25.40	583	3.96		CLEAR	None
1555	5.50	16.50	0.50	21.22	7.22	25.90	585	5.41	0.28	CLEAR	None

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

					VERIFIED:		
SAMPLED BY (PRINT):	MARIAN BERNAL					ENDED:	0
WELL (feet):		RATE (ML/MIN.):			TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250	123751	H2SO4	0.5	<2	NO3	101816	5	BP
SAL	PE	125	na	na	na	<2	Fe,Hg,Na,	sal container		BP
1	PE	125	na	na	na	na	Cl,	101316	2	BP
1	PE	250	na	na	na	na	TDS, TURB	101816	5	BP
1	PE	125	na	na	na	na	NH3	101316	02	BP
NGVD:										

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

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump; **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	**RESOURCE RECOVERY**	SITE LOCATION:			
WELL NO.		SAMPLE ID:	2MW-26S	SAMPLE DATE:	October 27, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2				BP

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

TWD:	23"	STATIC WATER:	21.25	GALLONS / FOOT:	0.16	1 WELL VOLUME=	#VALUE!

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):
				0.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1505		DRY		DRY							

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

					VERIFIED:		
SAMPLED BY (PRINT):	MARIAN BERNAL					ENDED:	0
WELL (feet):		RATE (ML/MIN.):			TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD		BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH			DATE	SERIES	
NONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BP
NGVD:											

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

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump; **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	**RESOURCE RECOVERY**	SITE LOCATION:			
WELL NO.		SAMPLE ID:	2MW-27S	SAMPLE DATE:	October 31, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2				BP

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

TWD:	21.00	STATIC WATER:	16.4	GALLONS / FOOT:	0.16	1 WELL VOLUME=	0.736

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):
		1046	1105	2.50

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1050	0.75	0.75	0.23	16.38	6.68	25.8	787	4.68		CLEAR	None
1054	0.75	1.50	0.23	16.40	6.72	25.40	785	4.06		CLEAR	None
1058	1.00	2.50	0.23	16.42	6.81	25.50	780	3.93	1.7	CLEAR	None

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

					VERIFIED:		
SAMPLED BY (PRINT):	MARIAN BERNAL					ENDED:	0
WELL (feet):		RATE (ML/MIN.):			TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250	123751	H2SO4	0.5	<2	NO3	103016	1	BP
SAL	PE	125	na	na	na	<2	Fe,Hg,Na,	92016	3	BP
1	PE	125	na	na	na	na	Cl,	101316	2	BP
1	PE	250	na	na	na	na	TDS, TURB	103016	1	BP
1	PE	125	na	na	na	na	NH3	101316	02	BP
NGVD:										

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

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump; **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:			
WELL NO.		SAMPLE ID:	2MW- 27D	SAMPLE DATE:	October 31, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2				BP

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

TWD:	42.00	STATIC WATER:	16.34	GALLONS / FOOT:	0.16	1 WELL VOLUME=	4.1056

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):
		1133	1202	12.75

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1143	4.25	4.25	0.40	1630	7.01	25.5	754	6.21		CLEAR	None
1151	4.25	8.50	0.46	1622	7.14	25.80	759	4.57		CLEAR	None
1157	4.25	12.75	0.46	1620	7.16	24.80	758	4.17		CLEAR	None

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

					VERIFIED:		
SAMPLED BY (PRINT):	MARIAN BERNAL					ENDED:	0
WELL (feet):		RATE (ML/MIN.):			TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250	123751	H2SO4	0.5	<2	NO3	103016	1	BP
SAL	PE	125	na	na	na	<2	Fe,Hg,Na,	92016	3	BP
1	PE	125	na	na	na	na	Cl,	101316	2	BP
1	PE	250	na	na	na	na	TDS, TURB	103016	1	BP
1	PE	125	na	na	na	na	NH3	101316	02	BP
NGVD:										

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

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump; **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	**RESOURCE RECOVERY**	SITE LOCATION:			
WELL NO.		SAMPLE ID:	2MW-15AD	SAMPLE DATE:	October 31, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2				BP

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

TWD:	40.00	STATIC WATER:	19.4	GALLONS / FOOT:	0.16	1 WELL VOLUME=	3.296

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):
		1447	1520	10.50

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1458	3.50	3.50	0.46	19.10	7.32	25.8	312	3.72		CLEAR	NONE
1510	3.50	7.00	0.46	19.10	7.35	25.60	314	2.87		CLEAR	NONE
1517	3.50	10.50	0.46	19.36	7.39	26.60	312	3.56		CLEAR	NONE

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

					VERIFIED:		
SAMPLED BY (PRINT):	MARIAN BERNAL					ENDED:	0
WELL (feet):		RATE (ML/MIN.):			TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250	123751	H2SO4	0.5	<2	NO3	103016	1	BP
SAL	PE	125	na	na	na	<2	Fe,Hg,Na,	92016	3	BP
1	PE	125	na	na	na	na	Cl,	101316	2	BP
1	PE	250	na	na	na	na	TDS, TURB	103016	1	BP
1	PE	125	na	na	na	na	NH3	101316	02	BP
NGVD:										

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

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump; **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	**RESOURCE RECOVERY**	SITE LOCATION:			
WELL NO.		SAMPLE ID:	2MW-6	SAMPLE DATE:	October 31, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2				BP

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

TWD:	ACTUAL 25	STATIC WATER:		GALLONS / FOOT:	0.16	1 WELL VOLUME=	#VALUE!

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):
				0.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1610		DRY		dry			dry				

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

					VERIFIED:		
SAMPLED BY (PRINT):	MARIAN BERNAL					ENDED:	0
WELL (feet):		RATE (ML/MIN.):			TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD		BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH			DATE	SERIES	
NONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BP
NGVD:											

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

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump; **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:			
WELL NO.		SAMPLE ID:	4MW-4	SAMPLE DATE:	November 1, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
4				BP

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

TWD:	50.00	STATIC WATER:	21.5	GALLONS / FOOT:	0.65	1 WELL VOLUME=	18.525

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):
		1014	1132	48.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1045	18.00	18.00	0.60	21.45	7.08	25.4	427	3.7		CLEAR	NONE
1107	18.00	36.00	0.60	21.48	7.10	25.10	428	3.21		CLEAR	NONE
1126	12.00	48.00	0.60	21.43	7.11	25.30	429	3.41		CLEAR	NONE

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

					VERIFIED:		
SAMPLED BY (PRINT):	MARIAN BERNAL					ENDED:	0
WELL (feet):		RATE (ML/MIN.):			TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250	123751	H2SO4	0.5	<2	NO3	103016	1	BP
SAL	PE	125	na	na	na	<2	Fe,Hg,Na,	92016	3	BP
1	PE	125	na	na	na	na	Cl,	101316	2	BP
1	PE	250	na	na	na	na	TDS, TURB	103016	1	BP
1	PE	125	na	na	na	na	NH3	101316	02	BP
NGVD:										

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

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump; **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:			
WELL NO.		SAMPLE ID:	4MW-6	SAMPLE DATE:	November 1, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2				BP

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

TWD:	100.00	STATIC WATER:	21.72	GALLONS / FOOT:	0.65	1 WELL VOLUME=	50.882

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):
		1234		86.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1445	50.00	50.00	0.40	21.74	7.84	26.1	153	5.96		CLEAR	NONE
1528	20.00	70.00	0.46	21.74	7.80	24.50	154	6.07		CLEAR	NONE
1606	16.00	86.00	0.43	21.78	7.86	24.70	155	6.53		CLEAR	NONE

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

					VERIFIED:		
SAMPLED BY (PRINT):	MARIAN BERNAL					ENDED:	0
WELL (feet):		RATE (ML/MIN.):			TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250	123751	H2SO4	0.5	<2	NO3	103016	1	BP
SAL	PE	250	1114090	HNO3	0.5	<2	Fe,Hg,Na,	92016	3	BP
1	PE	250	na	na	na	na	Cl,	101316	2	BP
1	PE	250	na	na	na	na	TDS, TURB	103016	1	BP
1	PE	250	na	na	na	na	NH3	101316	02	BP
NGVD:										

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

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump; **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:			
WELL NO.		SAMPLE ID:	2MW-4	SAMPLE DATE:	November 1, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2				BP

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

TWD:	15.50	STATIC WATER:	21.7	GALLONS / FOOT:	0.16	1 WELL VOLUME=	-0.992

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):
		1014		0.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
NONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BP

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

					VERIFIED:		
SAMPLED BY (PRINT):	MARIAN BERNAL					ENDED:	0
WELL (feet):		RATE (ML/MIN.):			TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250	123751	H2SO4	0.5	<2	NO3	103016	1	BP
SAL	PE	125	na	na	na	<2	Fe,Hg,Na,	92016	3	BP
1	PE	125	na	na	na	na	Cl,	101316	2	BP
1	PE	250	na	na	na	na	TDS, TURB	103016	1	BP
1	PE	125	na	na	na	na	NH3	101316	02	BP
NGVD:										

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

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump; **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	**RESOURCE RECOVERY**	SITE LOCATION:			
WELL NO.		SAMPLE ID:	2MW17S	SAMPLE DATE:	November 2, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2				Submersible pump

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

TWD:	38.00	STATIC WATER:	23.98	GALLONS / FOOT:	0.16	1 WELL VOLUME=	2.2432

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):
		1002	1038	8.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1008	2.50	2.50	0.50	23.96	5.91	26.2	381	6.65		CLEAR	NONE
1015	2.50	5.00	0.50	23.95	5.92	26.40	387	6.24		CLEAR	NONE
1025	3.00	8.00	0.50	23.97	5.88	26.80	385	5.83		CLEAR	NONE

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

					VERIFIED:		
SAMPLED BY (PRINT):	MARIAN BERNAL					ENDED:	0
WELL (feet):		RATE (ML/MIN.):			TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250	123751	H2SO4	0.5	<2	NO3	103016	1	BP
SAL	PE	125	na	na	na	<2	Fe,Hg,Na,	92016	3	BP
1	PE	125	na	na	na	na	Cl,	110116	1	BP
1	PE	250	na	na	na	na	TDS, TURB	103016	1	BP
1	PE	125	na	na	na	na	NH3	103016	01	BP
NGVD:										

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

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump; **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	**RESOURCE RECOVERY**	SITE LOCATION:			
WELL NO.		SAMPLE ID:	2MW-19D	SAMPLE DATE:	November 1, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2				BP

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

TWD:	55.00	STATIC WATER:	22.32	GALLONS / FOOT:	0.16	1 WELL VOLUME=	5.2288

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):
		1138		16.50

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1152	5.50	5.50	0.42	22	7.1	25.9	481	2.68		CLEAR	NONE
1203	5.50	11.00	0.42	22	7.07	25.70	478	3.54		CLEAR	NONE
1215	5.50	16.50	0.42	22	7.06	25.60	479	2.55		CLEAR	NONE

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

					VERIFIED:		
SAMPLED BY (PRINT):	MARIAN BERNAL					ENDED:	0
WELL (feet):		RATE (ML/MIN.):			TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250	123751	H2SO4	0.5	<2	NO3	101816	5	BP
SAL	PE	250	1114090	HNO3	0.5	<2	Fe,Hg,Na,	92016	3	BP
1	PE	250	na	na	na	na	Cl,	101316	1	BP
1	PE	250	na	na	na	na	TDS, TURB	101816	5	BP
1	PE	250	na	na	na	na	NH3	103016	01	BP
NGVD:										

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

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump; **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	**RESOURCE RECOVERY**	SITE LOCATION:			
WELL NO.		SAMPLE ID:	2MW18D	SAMPLE DATE:	November 2, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2				BP

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

TWD:	40.00	STATIC WATER:	23.56	GALLONS / FOOT:	0.16	1 WELL VOLUME=	2.6304

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):
		1304	1340	8.50

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1309	2.75	2.75	0.61	24	7.11	25.7	511	4.06		CLEAR	NONE
1319	2.75	5.50	0.61	24	7.10	25.70	513	3.51		CLEAR	NONE
1333	3.00	8.50	0.61	24	7.06	25.60	516	2.80		CLEAR	NONE

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

					VERIFIED:		
SAMPLED BY (PRINT):	MARIAN BERNAL					ENDED:	0
WELL (feet):		RATE (ML/MIN.):			TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250	123751	H2SO4	0.5	<2	NO3	103016	1	BP
SAL	PE	125	na	na	na	<2	Fe,Hg,Na,	103116	1	BP
1	PE	250	na	na	na	na	Cl,	110116	2	BP
1	PE	250	na	na	na	na	TDS, TURB	103016	1	BP
1	PE	125	na	na	na	na	NH3	91916	02	BP
NGVD:										

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

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump; **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	**RESOURCE RECOVERY**	SITE LOCATION:			
WELL NO.		SAMPLE ID:	2MW-8	SAMPLE DATE:	November 2, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2				BP

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

TWD:	18.00	STATIC WATER:	17.5	GALLONS / FOOT:	0.16	1 WELL VOLUME=	0.08

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):
				0.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1415		DRY		DRY		DRY					

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

					VERIFIED:		
SAMPLED BY (PRINT):	MARIAN BERNAL					ENDED:	0
WELL (feet):		RATE (ML/MIN.):			TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
NGVD:										

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

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump; **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	**RESOURCE RECOVERY**	SITE LOCATION:			
WELL NO.		SAMPLE ID:	4MW-8	SAMPLE DATE:	November 2, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
4				BP

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

TWD:	41.00	STATIC WATER:	19.68	GALLONS / FOOT:	0.65	1 WELL VOLUME=	13.858

(TABLE SAID 3

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):
		1503	1605	42.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1519	14.00	14.00	0.80	19.65	7.19	23.6	429	3.01		CLEAR	NONE
1538	14.00	28.00	0.80	19.63	7.11	23.80	403	1.32		CLEAR	NONE
1556	14.00	42.00	0.80	19.68	7.18	23.90	405	2.40	0.4	CLEAR	NONE

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

					VERIFIED:		
SAMPLED BY (PRINT):	MARIAN BERNAL					ENDED:	0
WELL (feet):		RATE (ML/MIN.):			TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250	123751	H2SO4	0.5	<2	NO3	103016	1	BP
SAL	PE	125	na	na	na	<2	Fe,Hg,Na,	103116	1	BP
1	PE	125	na	na	na	na	Cl,	110116	1	BP
1	PE	250	na	na	na	na	TDS, TURB	103016	1	BP
1	PE	125	na	na	na	na	NH3	103016	01	BP
NGVD:										

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

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump; **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	**RESOURCE RECOVERY**	SITE LOCATION:			
WELL NO.		SAMPLE ID:	4MW-21	SAMPLE DATE:	November 3, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2				BP

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

TWD:	43.00	STATIC WATER:	19.55	GALLONS / FOOT:	0.16	1 WELL VOLUME=	3.752

(TABLE SAID 3

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):
		1038	1120	11.25

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1048	3.75	3.75	0.50	19.50	5.89	24.2	143	6.67		CLEAR	NONE
1058	3.75	7.50	0.50	19.90	5.63	25.00	145	6.07		CLEAR	NONE
1110	3.75	11.25	0.50	19.55	5.41	24.30	148	6.65		CLEAR	NONE

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

					VERIFIED:		
SAMPLED BY (PRINT):	MARIAN BERNAL					ENDED:	0
WELL (feet):		RATE (ML/MIN.):			TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250	123751	H2SO4	0.5	<2	NO3	103016	1	BP
SAL	PE	125	na	na	na	<2	Fe,Hg,Na,	110116	1	BP
1	PE	125	na	na	na	na	Cl,	110116	1	BP
1	PE	250	na	na	na	na	TDS, TURB	103016	1	BP
1	PE	125	na	na	na	na	NH3	110116	1	BP
NGVD:										

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

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump; **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:			
WELL NO.		SAMPLE ID:	4MW-22	SAMPLE DATE:	November 3, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2				BP

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

TWD:	48.00	STATIC WATER:	22.7	GALLONS / FOOT:	0.16	1 WELL VOLUME=	4.048

(TABLE SAID 3

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):
		1014		12.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1155	4.00	4.00	0.50	22	6.9	25.8	489	3.86		CLEAR	NONE
1208	4.00	8.00	0.50	22	7.01	24.90	490	5.11		CLEAR	NONE
1220	4.00	12.00	0.50	23	6.94	25.10	487	4.12		CLEAR	NONE

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

					VERIFIED:		
SAMPLED BY (PRINT):	MARIAN BERNAL					ENDED:	0
WELL (feet):		RATE (ML/MIN.):			TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250	123751	H2SO4	0.5	<2	NO3	103016	1	BP
SAL	PE	125	na	na	na	<2	Fe,Hg,Na,	110116	1	BP
1	PE	125	na	na	na	na	Cl,	110116	1	BP
1	PE	250	na	na	na	na	TDS, TURB	103016	1	BP
1	PE	125	na	na	na	na	NH3	110116	1	BP
NGVD:										

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

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump; **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	**RESOURCE RECOVERY**	SITE LOCATION:			
WELL NO.		SAMPLE ID:	2MW-10	SAMPLE DATE:	November 3, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2				BP

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

TWD:	15.00	STATIC WATER:	15	GALLONS / FOOT:	0.16	1 WELL VOLUME=	0

(TABLE SAID 3

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):
		1014		0.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1155	0.00		DRY		DRY		DRY				

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

					VERIFIED:		
SAMPLED BY (PRINT):	MARIAN BERNAL					ENDED:	0
WELL (feet):		RATE (ML/MIN.):			TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD		BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH			DATE	SERIES	
NONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BP
NGVD:											

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

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump; **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	**RESOURCE RECOVERY**	SITE LOCATION:			
WELL NO.		SAMPLE ID:	2MW-9	SAMPLE DATE:	November 3, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2				BP

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

TWD:	11.80	STATIC WATER:	11.8	GALLONS / FOOT:	0.16	1 WELL VOLUME=	0

(TABLE SAID 3

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):
		1014		0.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1400		DRY		DRY			DRY				

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

					VERIFIED:		
SAMPLED BY (PRINT):	MARIAN BERNAL					ENDED:	0
WELL (feet):		RATE (ML/MIN.):			TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD		BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH			DATE	SERIES	
NONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	BP
NGVD:											

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

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	**RESOURCE RECOVERY**	SITE LOCATION:			
WELL NO.		SAMPLE ID:	4MW-9	SAMPLE DATE:	November 3, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
4				BP

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

TWD:	51.00	STATIC WATER:	21.94	GALLONS / FOOT:	0.65	1 WELL VOLUME=	18.889

(TABLE SAID 3

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):
		1416		53.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1440	19.00	19.00	0.88		7.02	24.7	445	2..83		CLEAR	NONE
1304	19.00	38.00	0.88		7.20	24.40	444	3.86		CLEAR	NONE
1325	15.00	53.00	0.88		7.12	24.70	441	3.76		CLEAR	NONE

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

					VERIFIED:		
SAMPLED BY (PRINT):	MARIAN BERNAL					ENDED:	0
WELL (feet):		RATE (ML/MIN.):			TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250	123751	H2SO4	0.5	<2	NO3	103016	1	BP
SAL	PE	125	na	na	na	<2	Fe,Hg,Na,	110116	1	BP
1	PE	125	na	na	na	na	Cl,	110116	1	BP
1	PE	250	na	na	na	na	TDS, TURB	103016	1	BP
1	PE	125	na	na	na	na	NH3	110116	01	BP
NGVD:										

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

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump; **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	**RESOURCE RECOVERY**	SITE LOCATION:			
WELL NO.		SAMPLE ID:	2MW-7	SAMPLE DATE:	November 14, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2				BP

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

TWD:	15.00	STATIC WATER:	15	GALLONS / FOOT:	0.16	1 WELL VOLUME=	0

(TABLE SAID 3

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):
				0.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1020	DRY			DRY			DRY			DRY	

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

					VERIFIED:		
SAMPLED BY (PRINT):	MARIAN BERNAL					ENDED:	0
WELL (feet):		RATE (ML/MIN.):			TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD		BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH			DATE	SERIES	
NONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NGVD:											

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

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump **RFPP**=Reverse Flow Peristalic 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 FS-012-1 Ground Water Sampling Data Sheet rev:9/1/16 [Page ___of___]

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:			
WELL NO.		SAMPLE ID:	4MW-7	SAMPLE DATE:	November 14, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
4				BP

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

TWD:	50.00	STATIC WATER:	21.2	GALLONS / FOOT:	0.65	1 WELL VOLUME=	18.72

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):
		1055	1240	44.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1140	19.00	19.00	0.50	21.1	6.91	24.8	367	3.1		CLEAR	NONE
1217	19.00	38.00	0.50	21.1	6.97	24.50	365	4.53		CLEAR	NONE
1230	8.00	44.00	0.50	21.0	7.18	24.50	372	3.83		CLEAR	NONE

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

					VERIFIED:		
SAMPLED BY (PRINT):	MARIAN BERNAL					ENDED:	0
WELL (feet):		RATE (ML/MIN.):			TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250	123751	H2SO4	0.5	<2	NO3	103016	1	BP
SAL	PE	125	1114090	HNO3	0.5	<2	Fe,Hg,Na,	103116	1	BP
1	PE	125	na	na	na	na	Cl,	110116	1	BP
1	PE	250	na	na	na	na	TDS, TURB	103016	1	BP
1	PE	250	na	na	na	na	NH3	103016	01	BP
NGVD:										

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

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump; **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:			
WELL NO.		SAMPLE ID:	4MW-5	SAMPLE DATE:	November 14, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
4				BP

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

TWD:	77.00	STATIC WATER:	19.42	GALLONS / FOOT:	0.65	1 WELL VOLUME=	37.427

(TABLE SAID 3

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):
		1442	1642	63.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1545	38.00	38.00	0.60	19.46	7.06	22.8	603	2.77		CLEAR	NONE
1617	16.00	54.00	0.60	19.44	7.07	22.70	605	3.02		CLEAR	NONE
1635	9.00	63.00	0.60	19.45	7.04	22.80	609	3.42		CLEAR	NONE

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

					VERIFIED:		
SAMPLED BY (PRINT):	MARIAN BERNAL					ENDED:	0
WELL (feet):		RATE (ML/MIN.):			TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250	123751	H2SO4	0.5	<2	NO3	103016	1	BP
SAL	PE	125	na	na	na	<2	Fe,Hg,Na,	110116	1	BP
1	PE	125	na	na	na	na	Cl,	110116	1	BP
1	PE	250	na	na	na	na	TDS, TURB	103016	1	BP
1	PE	125	na	na	na	na	NH3	110116	01	BP
NGVD:										

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

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump; **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	**RESOURCE RECOVERY**	SITE LOCATION:			
WELL NO.		SAMPLE ID:	4MW-27D	SAMPLE DATE:	November 15, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
4				BP

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

TWD:	156.00	STATIC WATER:	15.92	GALLONS / FOOT:	0.65	1 WELL VOLUME=	91.052

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):
		1227	1506	151.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1320	91.00	91.00	0.56	16.78	7.33	23.6	274	3.65		CLEAR	NONE
1420	36.00	127.00	0.56	16.66	7.36	23.80	277	2.99		CLEAR	NONE
1500	24.00	151.00	0.56	15.92	4.42	23.50	278	2.19	3.03	CLEAR	NONE

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

					VERIFIED:		
SAMPLED BY (PRINT):	MARIAN BERNAL					ENDED:	0
WELL (feet):		RATE (ML/MIN.):			TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250	123751	H2SO4	0.5	<2	NO3	110116	01	BP
SAL	PE	125	na	na	na	<2	Fe,Hg,Na,	103116	01	BP
1	PE	250	na	na	na	na	Cl	110216	03	BP
1	PE	250	na	na	na	na	TDS, TURB	110216	03	BP
1	PE	125	na	na	na	na	NH3	110116	01	BP
NGVD:										

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

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump; **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	**RESOURCE RECOVERY**	SITE LOCATION:			
WELL NO.		SAMPLE ID:	4MW-3A	SAMPLE DATE:	November 15, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
4				BP

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

TWD:		STATIC WATER:	23.1	GALLONS / FOOT:	0.16	1 WELL VOLUME=	#VALUE!

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):
		1014		0.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1605	DRY			23	DRY						

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

					VERIFIED:		
SAMPLED BY (PRINT):	MARIAN BERNAL					ENDED:	0
WELL (feet):		RATE (ML/MIN.):			TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD		BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH			DATE	SERIES	
NONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NGVD:											

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

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump; **RFPP**=Reverse Flow Peristalic 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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	**RESOURCE RECOVERY**	SITE LOCATION:			
WELL NO.		SAMPLE ID:	2MW-3	SAMPLE DATE:	November 15, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2				BP

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

TWD:		STATIC WATER:		GALLONS / FOOT:	0.16	1 WELL VOLUME=	0

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):
		1014		0.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1611	DRY	NONE		13							

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

					VERIFIED:		
SAMPLED BY (PRINT):	MARIAN BERNAL					ENDED:	0
WELL (feet):		RATE (ML/MIN.):			TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD		BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH			DATE	SERIES	
NONE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NGVD:											

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

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

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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)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:			
WELL NO.		SAMPLE ID:	4MW-27	SAMPLE DATE:	November 16, 2016

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
4				BP

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

TWD:	77.00	STATIC WATER:	16.26	GALLONS / FOOT:	0.65	1 WELL VOLUME=	39.481

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):
		9005	1220	88.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1045	40.00	40.00	0.47	15.68	7.01	23	700	3.41		CLEAR	NONE
1125	24.00	64.00	0.47	16.16	7.22	23.60	680	2.99		CLEAR	NONE
1210	24.00	88.00	0.47	16.22	7.32	23.40	682	3.15	0.199	CLEAR	NONE

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

					VERIFIED:		
SAMPLED BY (PRINT):	MARIAN BERNAL					ENDED:	0
WELL (feet):		RATE (ML/MIN.):			TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	125	123751	H2SO4	0.5	<2	NO3	110116	1	BP
SAL	PE	125	na	na	na	<2	Fe,Hg,Na,	103116	1	BP
1	PE	125	na	na	na	na	Cl,	110216	3	BP
1	PE	250	na	na	na	na	TDS, TURB	110216	3	BP
1	PE	125	na	na	na	na	NH3	110716	03	BP
NGVD:										

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

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

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10/19/2016

2MW-2
Z

10/26/2016
4MW13D
HAS DEDICATED PUMP AND DISPENSER TUBING
ITS 2" DIA WELL HAS 4 " CASING
PUMP GIVES GOOD PURGE RATE 2T SETTINGS CPM4 , 107 (9:00/6:00 SEC)
4MW-12D
DEDICATED PUMP . NO DISPENSING TUBING
ITS 2" DIA WELL HAS 4 " CASING
PUMP GIVES GOOD PURGE RATE 2T SETTINGS CPM4 , 107 (9:00/6:00 SEC)
4MW-11D
DEDICATED PUMP . NO DISPENSING TUBING
PUMP GIVES GOOD PURGE RATE 2T SETTINGS CPM4 , 107 (8:00/:00 SEC)
TUBING EXITING PUMP @ WELL CAP IS BRITTLE . OUTER PLASTIC COVERIBG
OF TUBING IS BROKEN OFF AND MISSING

11/2/2016

2MW17S

2MW19D
labeled 24MW19D
Did not plug compressor to cap.
No tubing attached.
pulled about 40 ft of tubing to dispense water attached to cap; smaller tubing visible about 2 fe
Submersible pump inserted ok for sampling.
did not replce cap and tubing since it did not do back down all the way. 10 foot remaining. Bro
2MW18D
HAS A PUMP. WORKET AT A PURGUING RATE OF 0.5 GPM
IT IS LABELED 2MW18 S
2MW7
18 FT. DEOTH. VERIFIED WITH WATER SENSOR.
STATIC LEVEL 17.5"
4MW8
HAS PUMP.
GREAT RATE 0.80 GPM

et down in the well but unreachable.

ught back to Lab