

BOARD OF COUNTY COMMISSIONERS

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September 20, 2013

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Mr. Albert D. McLaurin, PE Director of District Management

Karen B. Hawes County Manager

Florida Department of Environmental Protection

P.O. Box 2549

County Attorney

Michael D.Hunt Fort Myers, FL 33902-2549

Diana M. Parker County Hearing Examiner

Re:

Lee County Resource Recovery Facility, PA90-30H

Second Semi-Annual 2013 Water Quality Monitoring Report

WACS ID No. 93715

Dear Mr. McLaurin:

Enclosed please find the Second Semi-Annual 2013 Water Quality Monitoring (WQM) Report for the Lee County Resource Recovery Facility (RRF). Flowers Chemical Laboratories, Inc. (FCL) sampled the six (6) shallow (water table aquifer) monitoring wells (WTE-1S, WTE-2S, WTE-3SR, WTE-4S, WTE-5S and WTE-6S) on August 7, 2013 in accordance with the approved Ground Water Monitoring Plan (GWMP) dated August 2010 and approved by the Department on October 19, 2010.

The laboratory analytical results from this WQM event were compared to the Department's water quality standards or maximum contaminant levels (MCL) established in Chapter 62-550, F.A.C., and are summarized below.

Ground Water Monitoring Data Discussion

Ground water from all six (6) shallow monitoring wells exceeded the secondary drinking water standard for Iron, which is 0.3 milligrams per liter (mg/L) as established by Rule 62-550, F.A.C. The Total Dissolved Solids (TDS) concentration of ground water from well WTE-2S exceeded 500 mg/L, which is the secondary drinking water standard for Total Dissolved Solids (TDS) established by Rule 62-550, F.A.C. The concentrations of Iron and TDS in the wells that exceeded the MCL as noted above are provided in Table 1.

Table 1 – Summary of Results for Monitoring Wells which Exceeded the Water

Parameter (units)	WTE-1S	WTE-2S	WTE- 3SR	WTE-4S	WTE-5S	WTE-6S
Iron (mg/L)	3.01	2.59	3.09	1.68	2.1	2.29
TDS (mg/L)	BS	574	BS	BS	BS	BS

BS-Below Standard

Electronic Data Files

In accordance with the Department's electronic reporting requirements, this WQM Report includes the field and laboratory ADaPT files which are provided as separate electronic files prepared in the Department specified format.

Ground Water Elevations

The ground water elevations at the six (6) shallow (water table aquifer) and six (6) deep (sandstone aquifer) monitoring wells are provided in Table 2 below. The elevations were determined in accordance with the Department's Standard Operating Procedures for Field Activities, DEP-SOP-001/01, and specifically per FS2200, Ground Water Sampling. The data used to determine the ground water elevations, i.e., top of casing elevations and depth to ground water measurements, is provided in the Attachments to this WQM Report.

Table 2 - Ground Water Elevations (ft., NGVD) Measured August 7, 2013

WELL ID	Elevation (ft., NGVD)	WELL ID	Elevation (ft., NGVD)
WTE-1S	21.75	WTE-1D	15.93
WTE-2S	21.03	WTE-2D	20.33
WTE-3S	20.39	WTE-3D	19.27
WTE-4S	18.55	WTĖ-4D	17.00
WTE-5S	20.73	WTE-5D	19.69
WTE-6S	17.81	WTE-6D	17.35

Field Documentation and Report Certification

The attachments to this WQM Report include DEP Form #62-701.900(31), F.A.C., Water Quality Monitoring Certification, DEP Form FD 9000-24, Ground Water Sampling Log for each well sampled, field data sheets and sample chain of custody.

Mr. Albert D. McLaurin, PE September 20, 2013 Page 3 of 3

Recommendations/Conclusions

The monitoring results reported herein are consistent with prior monitoring results and background data for the RRF and are typical for ground water from this geographical region. Based on these monitoring results, no additional ground water monitoring is recommended. The RRF will continue to implement the approved ground water monitoring plan and will report the results to the Department as required.

Please call me at (239) 533-8930 if you have any questions pertaining to this Water Quality Monitoring Report. HILLAURA A GRAVIA

Sincerely,

No. 50138

STATE OF

Laura A. Gray Engineering Manager Solid Waste Division

Attachments

Bill Krumbholz, DEP Cc:

Jay Standiford, DEP

Lindsey J. Sampson, SWD

Keith Howard, SWD

Mike Duff, Covanta

Tyler Huffman, Covanta

File II E107

LIST OF ATTACHMENTS

- Attachment A Ground Water Monitoring Report Certification, DEP Form # 62-701.900(31)
- Attachment B Ground Water Contour Maps (Shallow and Sandstone Wells) and Supporting Data
- Attachment C Ground Water Monitoring Well Inspection Forms (Shallow and Sandstone Wells)
- Attachment D Sampling Documentation (Shallow Wells)

Ground Water Sampling Logs, FD 9000-24 Field Data Sheets Chain of Custody

Attachment A-Ground Water Monitoring Report Certification, DEP Form # 62-701.900(31)



PART I GENERAL INFORMATION

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

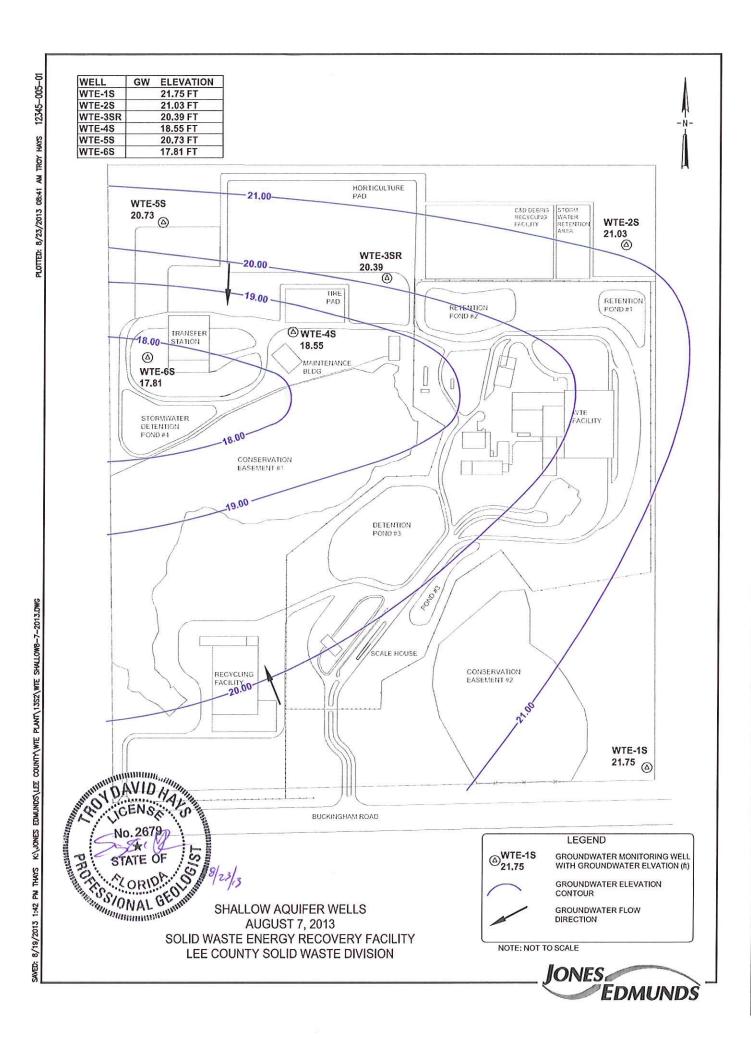
Effective Date: January 6, 2010

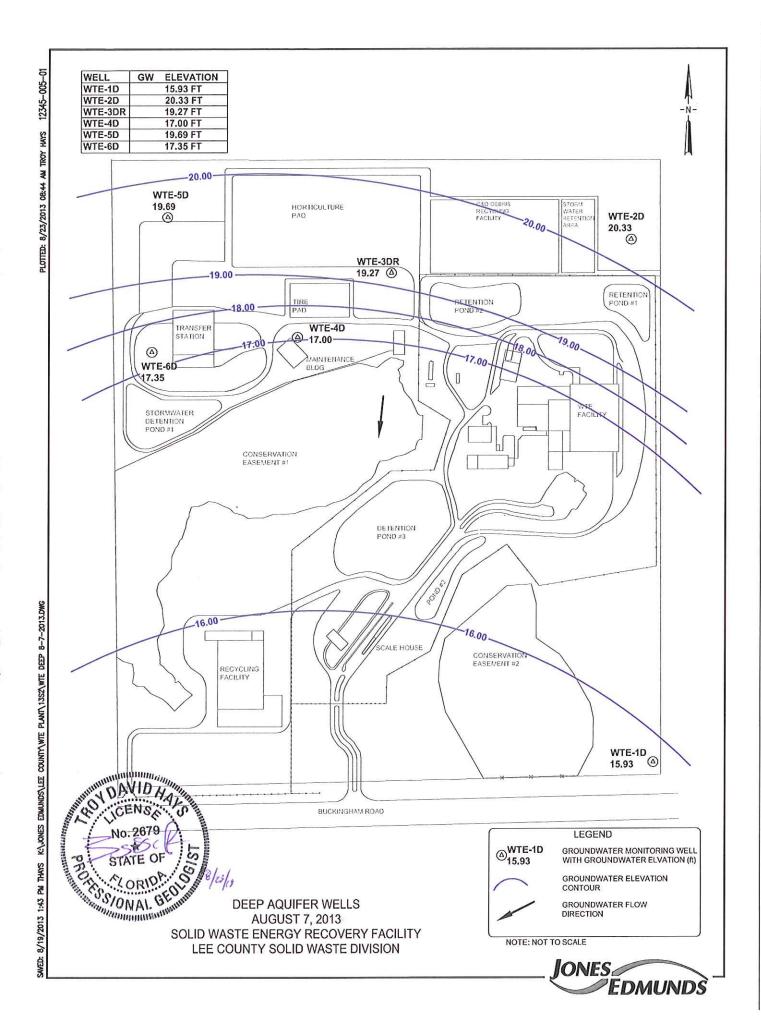
Incorporated in Rule 62-701.510(9), F.A.C.

WATER QUALITY MONITORING CERTIFICATION

(1)	Facility Name Lee County Solid Waste Energy Recovery Fac	cility	
	Address 10500 Buckingham Road		
	City Fort Myers	Zip <u>33905</u>	_ County Lee
	Telephone Number (239) 533-8000		
(2)	WACS Facility ID 93715		
(3)	DEP Permit NumberPA90-30H		
(4)	Authorized Representative's Name Lindsey J. Sampson	Title	Director
	Address 10500 Buckingham Road	2	
	City Fort Myers	Zip <u>33907</u>	County Lee
	Telephone Number (239) 533-8000	£	
	Email address (if available) lsampson@leegov.com		
doo	ertify under penalty of law that I have personally examined cument and all attachments and that, based on my inquiry of information, I believe that the information is true, accurate halties for submission of false information including the possible of th	d and am familiar with to those individuals immede, and complete. I am willing of fine and imprisons	ediately responsible for obtaining aware that there are significant nent.
	(Øate) (Owner or Au	thorized Representative'	s Signature)
PA	RT II QUALITY ASSURANCE REQUIREMENTS		
Sa	mpling Organization Flowers Chemical Laboratories, Inc.		
An	alytical Lab NELAC / HRS Certification # E83018		
Lal	b Name Flowers Chemical Laboratories, Inc		
Ad	dress P.O. Box 150597, Altamonte Springs, FL 32715-0597		
Ph	one Number (407) 339-5984		
Em	nail address (if available)		

Attachment B – Ground Water Contour Maps (Shallow and Sandstone Wells) and Supporting Data





Lee County Resource Recovery Facility Ground Water Elevations for August 7, 2013

Well ID WTE-1S			GWW LICYALION (11,
WTE-1S	(ft, NGVD)	Well ID	NGVD)
	21.75	WTE-1D	15.93
WTE-2S	21.03	WTE-2D	20.33
WTE-3SR	20.39	WTE-3DR	19.27
WTE-4S	18.55	WTE-4D	17
WTE-5S	20.73	WTE-5D	19.69
WTE-6S	17.81	WTE-6D	17.35

All deep wells are 4 inch diameter and all shallow well are 2 inches diameter

Total Depth (ft)	14.6	93.55	12	93	16.95	92	13.4	96	17.41	94	19.98	96
Water Elevation, Ft., NGVD	21.75	15.93	21.03	20.33	20.39	19.27	18.55	17	20.73	19.69	17.81	17.35
Depth to Water, ft.	0.16	7.03	3.15	3.19	3.59	4.64	3.93	6.81	3.08	4.81	5.85	5.56
Elev. TOC, NGVD	21.91	22.96	24.18	23.52	23.98	23.91	22.48	23.81	23.81	24.5	23.66	22.91
Well No.	WTE-1S	WTE-1D	WTE-2S	WTE-2D	WTE-3SR	WTE-3DR	WTE-4S	WTE-4D	WTE-5S	WTE-5D	WTE-6S	WTE-6D

which were relocated due to development of area for the C&D recycling facility. The Department approved the relocation of WTE-3S (to WTE-3SR) and WTE-3D (to WTE-3DR) on June 18, 2010 in letter which approved the C&D facility & its' GWM network. The C&D Facility's GWM network consists of WTE-2S (upgradient), WTE-3SR and WTE-4S (both downgradient) Note: WTE-3SR and WTE-3DR were installed on 9/15/10 and 10/1/10, respectively, to replace WTE-3S and WTE-3D

Attachment C – Ground Water Monitoring Well Inspection Forms (Shallow and Sandstone Wells)



IFILOWIERS CHEMICAL LABORATORIES INC.

P.O. BOX 150507, ALTRADATE SPRINGS FL 32715-0507 PROME (407) 339-5984 FAX (407) 260-6110 www.flowerslabs.com

DATE:8/7/13
SITE NAME: WTE
SITE LOCATION: Lee County
WELL NUMBER: WTE - 1S X Shallow Deep WELL DIAMETER: 2.00"
LOCATION:LandfillPercolation PondO&M BuildingX_WTE Site
WELLTYPE: X Background Detection Compliance
TOC Elevation: 21.91' TOTAL WELL DEPTH: 14.60' STATIC DEPTH TO WATER 0.16'
GROUNDWATER NGVD: (TOC Elevation - Static Depth to Water) 21.75'
Comments: (PER Monitoring Well Inspection on A12 of A19 of Contract): Everything was inspected, everything was O.K. Well surrounded by water.
//////////////////////////////////////
DATE: 8/7/13
SITE NAME: WTE
SITE LOCATION: Lee County
WELL NUMBER: WTE - 1D Shallow X Deep WELL DIAMETER: 4.00"
LOCATION:LandfillPercolation PondO&M BuildingXWTE Site
WELLTYPE: X Background Detection Compliance
TOC Elevation: 22,96' TOTAL WELL DEPTH: 93.55' STATIC DEPTH TO WATER 7.03'
GROUNDWATER NGVD: (TOC Elevation – Static Depth to Water) 15.93'
Comments: (PER Monitoring Well Inspection on A12 of A19 of Contract): Everything was inspected, everything was O.K. Well was surrounded by water.



IFILOWERS CHEMICAL LABORATORIES INC.

P.O. BOX 150567, ALTIMADATE SPRINGS FL 30715-0567 PROME (AUT) 339-5884 FAX (497) 260-6110 www.flowerslabs.com

DATE: 8/7/13
SITE NAME: WTE
SITE LOCATION: Lee County
WELL NUMBER: WTE - 2S X Shallow Deep WELL DIAMETER: 2.00"
LOCATION:LandfillPercolation PondO&M BuildingX_WTE Site
WELL TYPE: X Background Detection Compliance
TOC Elevation: 24.18' TOTAL WELL DEPTH: 12.00' STATIC DEPTH TO WATER 3.15'
GROUNDWATER NGVD: (TOC Elevation – Static Depth to Water)21.03'
Comments: (PER Monitoring Well Inspection on A12 of A19 of Contract): Everything was inspected, everything was O,K, Well Surrounded by water,
DATE: 8/7/13
SITE NAME: WTE
SITE LOCATION: Lee County
WELL NUMBER: WTE - 2D Shallow X Deep WELL DIAMETER: 4.00"
LOCATION:LandfillPercolation PondO&M Building _XWTE Site
WELLTYPE: X Background Detection Compliance
TOC Elevation: 23.52' TOTAL WELL DEPTH: 93.00' STATIC DEPTH TO WATER 3.19'
GROUNDWATER NGVD: (TOC Elevation – Static Depth to Water) 20.33'
Comments: (PER Monitoring Well Inspection on A12 of A19 of Contract): Everything was inspected, everything was O.K. Well surrounded by water.



IFILOWERS CHEMICAL LABORATORIES INC.

P.O. BOX 150567, ALTAMONTE SPRINGS FL 32715-0567 PHONE (407) 339-5984 FAX (407) 260-6110 www.flowerslabs.com

DATE:8/7/13
SITE NAME: WTE
SITE LOCATION: Lee County
WELL NUMBER: WTE - 3S X Shallow Deep WELL DIAMETER: 2.00"
LOCATION:LandfillPercolation PondO&M BuildingX_WTE Site
WELLTYPE: X Background Detection Compliance
TOC Elevation: 23.98' TOTAL WELL DEPTH: 16.15' STATIC DEPTH TO WATER 3.59'
GROUNDWATER NGVD: (TOC Elevation – Static Depth to Water)20.39'
Comments: (PER Monitoring Well Inspection on A12 of A19 of Contract): Everything was inspected, everything was Q,K.
//////////////////////////////////////
SITE NAME: WTE
SITE LOCATION: Lee County
WELL NUMBER: WTE - 3D Shallow X Deep WELL DIAMETER: 4.00"
LOCATION:LandfillPercolation PondO&M Building _XWTE Site
WELLTYPE: X Background Detection Compliance
TOC Elevation: 23.91' TOTAL WELL DEPTH: 82.00' STATIC DEPTH TO WATER 4.64'
GROUNDWATER NGVD: (TOC Elevation – Static Depth to Water) 19.27'
Comments: (PER Monitoring Well Inspection on A12 of A19 of Contract): Everything was inspected, everything was O.K.
Everything was inspected, everything was On.



IFILOWIERS CHEMICAL LABORATORIES INC.

P.O. BOX 150597, ALTAMONTE SPRINGS FL 32715-0597 PRONE (407) 339-5984 FAX (407) 269-6110 www.flowerslabs.com

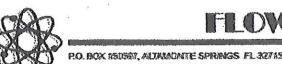
DATE:8/7/13
SITE NAME: WTE
SITE LOCATION: Lee County
WELL NUMBER: WTE - 4S X Shallow Deep WELL DIAMETER: 2.00"
LOCATION:LandfillPercolation PondO&M BuildingX_WTE Site
WELL TYPE: X Background Detection Compliance
TOC Elevation: 22.48' TOTAL WELL DEPTH: 13.40' STATIC DEPTH TO WATER 3.93'
GROUNDWATER NGVD: (TOC Elevation – Static Depth to Water)18.55'
Comments: (PER Monitoring Well Inspection on A12 of A19 of Contract): Everything was inspected, everything was O,K.
//////////////////////////////////////
SITE NAME: WTE
SITE LOCATION: Lee County
WELL NUMBER: WTE - 4D Shallow X Deep WELL DIAMETER: 4.00"
LOCATION:LandfillPercolation PondO&M BuildingXWTE Site
WELLTYPE: X Background Detection Compliance
TOC Elevation: 23.81' TOTAL WELL DEPTH: 96.00' STATIC DEPTH TO WATER 6.81'
GROUNDWATER NGVD: (TOC Elevation – Static Depth to Water) 17.00'
Comments: (PER Monitoring Well Inspection on A12 of A19 of Contract): Everything was inspected, everything was O.K.



IFLOWERS CHEMICAL LABORATORIES INC.

P.O. BOX 150561, ALTAMONTE SPRINGS FL 32715-0567 PRONE (AUT) 339-5984 FAX (407) 269-6110 www.flowerslabs.com

DATE:8/7/13
SITE NAME: WTE
SITE LOCATION: Lee County
WELL NUMBER: WTE - 5S X Shallow Deep WELL DIAMETER: 2.00"
LOCATION:LandfillPercolation PondO&M BuildingX_WTE Site
WELLTYPE: X Background Detection Compliance
TOC Elevation: 23.81' TOTAL WELL DEPTH: 17.45' STATIC DEPTH TO WATER 3.08'
GROUNDWATER NGVD: (TOC Elevation – Static Depth to Water)
Comments: (PER Monitoring Well Inspection on A12 of A19 of Contract): Everything was inspected, everything was O.K.
Lverytilling was trispected, everytilling was O.M.
DATE: 8/7/13
SITE NAME: WTE
SITE LOCATION: Lee County
WELL NUMBER: WTE - 5D Shallow X Deep WELL DIAMETER: 4.00"
LOCATION:LandfillPercolation PondO&M BuildingXWTE Site
WELLTYPE: X Background Detection Compliance
TOC Elevation: 24.50' TOTAL WELL DEPTH: 94.00' STATIC DEPTH TO WATER 4.81'
GROUNDWATER NGVD: (TOC Elevation – Static Depth to Water) 19.69'
Comments: (PER Monitoring Well Inspection on A12 of A19 of Contract): Everything was inspected, everything was O.K.



RS CHEMICAL LABORATORIES INC.

P.O. BOX 150597, ALTAMONTE SPRINGS FL 32715-0597 PRONE (407) 339-5984 FAX (407) 269-6110 www.flowerslabs.com

DATE: 8/7/13
SITE NAME: WTE
SITE LOCATION: Lee County
WELL NUMBER: WTE - 6S X Shallow Deep WELL DIAMETER: 2.00"
LOCATION:LandfillPercolation PondO&M BuildingX_WTE Site
WELLTYPE: X Background Detection Compliance
TOC Elevation: 23.66' TOTAL WELL DEPTH: 19.98' STATIC DEPTH TO WATER 5.85'
GROUNDWATER NGVD: (TOC Elevation – Static Depth to Water)17.81
Comments: (PER Monitoring Well Inspection on A12 of A19 of Contract): Everything was inspected, everything was O,K.
//////////////////////////////////////
SITE NAME: WTE
SITE LOCATION: Lee County
WELL NUMBER: WTE - 6D Shallow X Deep WELL DIAMETER: 4.00"
LOCATION:LandfillPercolation PondO&M Building _XWTE Site
WELLTYPE: X Background Detection Compliance
TOC Elevation: 22.91' TOTAL WELL DEPTH: 96.00' STATIC DEPTH TO WATER 5.56'
GROUNDWATER NGVD: (TOC Elevation – Static Depth to Water) 17.35'
Comments: (PER Monitoring Well Inspection on A12 of A19 of Contract): Everything was inspected, everything was O.K.

Attachment D – Sampling Documentation (Shallow Wells)

- Ground Water (GW) Sampling Logs, FD 9000-24
- Field Data Sheet
- Chain of Custody

NAME WTE	SITE					1	SITE .	_	ilian.				
WELL SAFEREN NITERALAL TUBING DAMETER (inches) 2.00 DAMETER (inches) 2.00 DAMETER (inches) 2.00 DAMETER (inches) 0.25 DEPHH NEW NEW VOLUME - TUBING DAMETER (inches) 2.00 DAME	NAME. W	TE						ee Coun	ty				
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MATERIAL POLINE COLOR CO						PUR	GING DA						
VIELL VOLUME FURGE: VIELL VOLUME (107AL VIELL DEPTH STATIC DEPTH TO WATER) X VIELL CAPACITY (100) (10	0.0000000000000000000000000000000000000												
Construct Applicable	DIAMETER	(inches): 2.00	DIAME	TER (inches) 0	.25 DEP								
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Sample S		300 Mari 1 Mari 12 1910	PGE: 1 FO	= (14.60 feet	- UMF + /TI	0.16 fe	et) X	0.16 gallons	foot =	CELL V		gallons
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DEPTH NVELL (den) 1.0.00 DEPTH WELL (den) 1.0.00 INITIATED AT 0931 ENDE AT 0948 PURGED (gallons) 4,75	INITIAL PUI	MP OR TUBINO	3	FINAL PUMF			30 × 00 2.24						
CUMUL PURGE PURG				DEPTH IN W	ELL (feet) 1	0.00	INITIATE	DAT 0931			Р	URGED (ga	llons) 4.75
0942 0.75 3.25 0.28 0.31 6.75 23.7 517.0 0.09 0.98 none none none 0945 0.75 4.00 0.28 0.31 6.75 23.6 496.5 0.12 1.04 none none none 0948 0.75 4.75 0.28 0.31 6.75 23.8 494.8 0.04 1.28 none	TIME	PURGED	VOLUME PURGED	RATE	TO WATER	(standard		(circle units) umhos/cm	OXYGEN (circle units)	TURBI (NTU			
O942 O.75 3.25 O.28 O.31 G.75 23.7 517.0 O.09 O.98 none none	0939	2.50	2.50	0.28	0.31	6.76	23.8	545.0	0.07	1.6	51	none	none
0945 0.75 4.00 0.28 0.31 6.75 23.6 496.5 0.12 1.04 none none none 0948 0.75 4.75 0.28 0.31 6.75 23.8 494.8 0.04 1.28 none none none none 0.0948 0.75 4.75 0.28 0.31 6.75 23.8 494.8 0.04 1.28 none none none none 0.0948 0.75 4.75 0.28 0.31 6.75 23.8 494.8 0.04 1.28 none none none 0.0948 0.75 4.75 0.28 0.31 6.75 23.8 494.8 0.04 1.28 none none none 0.0948 0.75 4.75 0.28 0.31 6.75 0.31 6.				0.28	0.31	6.75	23.7	517.0	0.09				none
0.948	0945	0.75	4.00	0.28		6.75	23.6	496.5		1965	9	none	none
TUBING INSIDE DIA. CAPACITY (Gal /F1) 18" = 0.0006, 3/16" = 0.0014, 1/4" = 0.0026, 5/16" = 0.004, 3/8" = 0.008, 1/2" = 0.010, 5/8" = 0.016 PURGING EQUIPMENT CODES: B = Bailer BP = Bladder Pump, ESP = Electric Submersible Pump, PP = Peristallic Pump, O = Other (Specify) SAMPLED BY (PRINT) / AFFILIATION: TOMMY Cross / FCL PUMP OR TUBING TOMMY	0948	0.75	4.75	0.28		6.75	23.8	494.8	0.04	1.2	28	none	none
TUBING INSIDE DIA. CAPACITY (Gal /F1) 18" = 0.0006, 3/16" = 0.0014, 1/4" = 0.0026, 5/16" = 0.004, 3/8" = 0.008, 1/2" = 0.010, 5/8" = 0.016 PURGING EQUIPMENT CODES: B = Bailer BP = Bladder Pump, ESP = Electric Submersible Pump, PP = Peristallic Pump, O = Other (Specify) SAMPLED BY (PRINT) / AFFILIATION: TOMMY Cross / FCL PUMP OR TUBING TOMMY													
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VILLING INSIDE DIA. CAPACITY (Gal /F1) 1/8" = 0.0006, 3/16" = 0.0014, 1/4" = 0.0026, 5/16" = 0.004, 3/8" = 0.016. 1/2" = 0.010, 5/8" = 0.016													
TUBING INSIDE DIA. CAPACITY (Gal /F1) 18" = 0.0006, 3/16" = 0.0014, 1/4" = 0.0026, 5/16" = 0.004, 3/8" = 0.008, 1/2" = 0.010, 5/8" = 0.016 PURGING EQUIPMENT CODES: B = Bailer BP = Bladder Pump, ESP = Electric Submersible Pump, PP = Peristallic Pump, O = Other (Specify) SAMPLED BY (PRINT) / AFFILIATION: TOMMY Cross / FCL PUMP OR TUBING TOMMY									2 40 005	FII 4.00	011	-147	12" - 5 00
PURGING EQUIPMENT CODES: B = Bailer	WELL CAP TUBING IN	PACITY (Gallon:	PACITY (Gal	0.75" = 0 02. /Ft) 1/8" = 0.0	1" = 0 04, 006, 3/16 "	1.25'' = 0 $= 0.0014$	06, 2" = 0.1 1/4" = 0.002	6. 3" = 0.3 26, 5/16" =	37; 4" = 0.65, = 0.004; 3/8" =			- 10 mm	
SAMPLED BY (PRINT) / AFFILIATION: TOMMY Cross/FCL SAMPLER(S) SIGNATURE(S). SAMPLING Equipment Type SAMPLING Equipment Type SAMPLING Equipment Type SAMPLER(S) SIGNATURE(S). SAMPLER(S) SIGNATURE(S). SAMPLER(S) SAMPLER(S) SAMPLING Equipment Type SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLING Equipment Type SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLER(S) SAMPLE		Control of the Contro	1.57 - 1.75 - 17			omp.	ESP = Electric	Submersible		Peristallic P	ump:	0 = Oth	ner (Specify)
TOMMY Cross/FCL PUMP OR TUBING DEPTH IN WELL (feet) 10.00 MATERIAL CODE: S + PE Filtration Equipment Type Filted DECONTAMINATION PUMP Y INTUBING Y Interest Y INTERDED SAMPLE CONTAINER SPECIFICATION SAMPLE PRESERVATION ADDED IN FIELD (mL) PH REMARKS No sheen observed. Base of well surrounded by water. MATERIAL CODEs: AG = Amber Glass; CG = Clear Glass: PE = Polyethylene. PP = Polypropylene; S = Sillcone. T = Teflon. O = Other (Specify) APP = After Peristaltic Pump. SM = Straw Method (Tubing Gravily Drain). O = Other (Specify)								ATA					
PUMP OR TUBING DEPTH IN WELL (feet) 10.00 TUBING MATERIAL CODE: S + PE FILED-FILTERED Y Filtration Equipment Type FILTER SIZE					SAMPLER(S)	SIGNATU	RE(S).	-	STATES THE STATE OF THE STATES				
DEPTH IN WELL (feet) 10 .00			FUL		7								
SAMPLE CONTAINERS SECIFICATION SAMPLE PRESERVATION SAMPLE	10 100 100 100 100 100 100 100 100 100		0.00			ODE: S +	PF					FILTER SIZ	im
SAMPLE OODE CONTAINERS CODE VOLUME PRESERVATIVE USED ADDED IN FIELD (mL) FINAL METHOD CODE (mL per minute) PRESERVATIVE USED ADDED IN FIELD (mL) FINAL METHOD ANALYSIS AND/OR METHOD ANALYSIS AND/OR METHOD FLOW RATE (mL per minute) FL	The same of the same	A CONTRACTOR OF THE STATE OF TH	1-00		MATERIALO							П	
SAMPLE 1D CODE CONTAINERS CODE VOLUME PRESERVATIVE USED ADDED IN FIELD (mL) PH METHOD CODE (mL per minute) REMARKS: No sheen observed. Base of well surrounded by water. MATERIAL CODES: AG = Amber Glass: CG = Clear Glass: PE = Polyethylene. PP = Polypropylene; S = Silicone. T = Teflon. O = Other (Specify) SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump. B = Baller, BP = Bladder Pump. ESP = Electric Submersible Pump, RFPP = Reverse Flow Peristaltic Pump, SM = Straw Method (Tubing Gravity Drain), O = Other (Specify)	SAME	PLE CONTAINE	R SPECIFIC	ATION		SAMPLE	PRESERVATIO	N					
REMARKS: No sheen observed. Base of well surrounded by water. MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene, PP = Polypropylene; S = Silicone, T = Teflon, O = Other (Specify) SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump, B = Bailer, BP = Bladder Pump, ESP = Electric Submersible Pump, RFPP = Reverse Flow Peristaltic Pump, SM = Straw Method (Tubing Gravity Drain), O = Other (Specify)	SAMPLE	#	MATERIAL				TOTAL VOL FINAL		METH				
No sheen observed. Base of well surrounded by water. MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene. PP = Polypropylene; S = Silicone. T = Teflon. O = Other (Specify) SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer, BP = Bladder Pump. ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump, SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)	10 0000	CONTRACTO	0000										
No sheen observed. Base of well surrounded by water. MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene. PP = Polypropylene; S = Silicone. T = Teflon. O = Other (Specify) SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer, BP = Bladder Pump. ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump, SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)													
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No sheen observed. Base of well surrounded by water. MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene. PP = Polypropytene; S = Silicone. T = Teffon. O = Other (Specify) SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Baller, BP = Bladder Pump, ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump, SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)													
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MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene, PP = Polypropylene; S = Silicone, T = Teflon, O = Other (Specify) SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Baller, BP = Bladder Pump, ESP = Electric Submersible Pump, RFPP = Reverse Flow Peristaltic Pump, SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)	REMARKS			L									
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene, PP = Polypropylene; S = Silicone, T = Teflon, O = Other (Specify) SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Baller, BP = Bladder Pump, ESP = Electric Submersible Pump, RFPP = Reverse Flow Peristaltic Pump, SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)	No shee	en observe	d. Base	of well surro	unded by	water.			_				
RFPP = Reverse Flow Peristallic Pump, SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)					200	Constant Table		2016			-		ther (Specify)
	SAMPLING	3 EQUIPMENT	CODES:	RFPP = Reverse	e Flow Perista	Illic Pump,	SM = Strav	Method (Tub	ing Gravity Drain)				

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

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally. ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

² STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

SITE						SITE		_						
NAME: W	TE					LOC	ATION LE	ee C	ounty	1				
WELL NO	WTE - 2S			SAME	LE ID W						DATE	8/7/1	3	
					PU	IRGI	NG DA	-				·		
WELL	0.00	TUB			VELL SCRE			1 1	STATIC D		4 E		GE PUMP TY BAILER RF	
DIAMETER	(inches) 2.00	1 WELL	METER (inches)	O.25 L	EPTH -	feet				R (feet) 3.		ORB	AILER IT	r.F.
	if applicable)	0.000	OLOME - (10)					·						
			= (QUIPMENT VOL	12.00	eet -	3.1	5 fe	et) X	0.	.16 gallo	ns/foot =	WCEL	1.42	gallons
	t if applicable)	IRGE: 1 E	QUIPMENT VOL	. = PUMP V	OLUME +	(TUBIN	IG CAPACI	11	× 10	IBING LEING	111) + 120	VV CEL		
			1 2000 200	=	gallons +	(ns/foot	t X	PURGIN	eel) +		gallons TOTAL VOL	
	MP OR TUBING WELL (feet)			MP OR TUB			PURGIN		1010		g at: 1020)		allons). 2.50
DEPTHIN	VVELL (leet)			DEPTH			T IMITIATE		DND	DISSOLVE	D		, orrer (a	1
TIME	VOLUME PURGED (gallons)	CUMUI VOLUM PURGE (gallons	E PURGE D RATE	TO WATEI (feet)	/stand	lard	TEMP (°C)	(circle	e units) nos/cm	OXYGEN (circle unit	s) (RBIDITY NTUs)	(describ	
1014	1.50	1.50	0.25	3.19	6.8	1	23.3	48	37.9	0.52		0.89	none	none
1017	0.50	2.00	0.25	3.19	6.8	0	23.2	47	76.4	0.10		1.19	none	none
1020	0.50	2.50	0.25	3.19	0.7	8	23.4	46	38.1	0.08		3.14	none	none
				7					E					
				1										
				1										
					_						-		1	
				-										
WELL CAS	PACITY (Gallon	s Per Foot)	0.75" = 0 02.	1" = 0.04	1.25"	= 0.06:	2" = 0.1	6. 3	" = 0.37.	4" = 0.65	5" = 1	02,	6" = 1.47;	12" = 5.88
TUBING IN	ISIDE DIA. CA	ACITY (G	al/Ft) 1/8" = 0	0006. 3/	16" = 0.00	14, 1	1/4" = 0 002	6.	5/16" = 0.0	004, 3/8'	= 0.006;			5/8" = 0 016
PURGING	EQUIPMENT C	ODES:	B = Bailer,	BP = Bladd			P = Electric		ersible Pur	mp, PP	= Penstalt	ic Pump	0 = 0	ther (Specify)
044101.50	DV (DDINT) / A	FEU IATIO	0.	CAMOLE	SA R(S) SIGNA		ING DA	AIA		1			T in the second	
	BY (PRINT) / A y Cross/		N:	SAMPLER	(S) SIGNA	TURE	9)		-	SAMPLIN		22	SAMPLIN	G .т: 1028
		I OL		سب	/-		7-25			INITIATE	DAT: 10		10 20 3 30	
PUMP OR		0.00		TUBING	L CODE: S	тр	=			-FILTERED on Equipmen			FILTER S	IZE µm
10 Table 10	WELL (feet). 1	Water Control	UMP Y	MATERIA 1	TUBI			eplaced		DUPLICA		Y	П	
	CONTAMINATIO	50 A C S S S S S S S S S S S S S S S S S S			, History	0.00	A	1.E. 1017-1017-10	<i>-</i> 1	5021 0080			AMPLING	SAMPLE PUMP
	PLE CONTAINE		T	PRESERV			SERVATIO	I.	FINAL		NDED IS AND/OF		UIPMENT	FLOW RATE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	USE			IN FIELD (mL)	pH	ME	THOD		CODE	(mL per minute)
			1											
REMARKS	3						1:							
No sho	an obsenia	d Race	of well sur	ounded	by wate	r								
MATERIA				Clear Gla		909 100	thylene;	PP = 1	Polypropyl	lene, S = :	Silicone;	T = Tel	flon: 0 = 0	Other (Specify)
	G EQUIPMENT	N. A. St. Commission of the Co	APP = After P	254 (2004) 2 - 540 (20)		= Baile	200.000	20170 S	er Pump:	V-10/45-1	lectric Sut			
			RFPP = Reve				SM = Straw	Metho		Gravity Drai	n). O	= Other	(Specify)	

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

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

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

SITE		***				SITE							
NAME W	/TE					LOCA	TION Let	e County					
WELL NO	WTE - 3S	R		SAMP	LE ID: W	TE - 3	BSR			DATE 8	B/7/13	3	
					Pl	JRGII	VG DAT	Ά					
WELL	R (inches) 2.0	TUBIN	3 TER (inches) (ELL SCR	EEN INT		STATIC I	DEPTH ER (feel) 3.59			EPUMPTY	
WELL VOL	UME PURGE:	1 WELL VO	LUME = (TOT	AL WELL D				WATER) X	WELL CAPAC	ITY	OND	meen in	•
	t if applicable)		= (16.15	eet	3.59	9 feet	ı) x 0	1.16 gallons/fo	oot =		2.01	gallons
	NT VOLUME PL	JRGE: 1 EQU	JIPMENT VOL.	= PUMP V	OLUME +	(TUBING	G CAPACITY	Y X T	UBING LENGTH	+ FLOV	V CELL	VOLUME	
(only fill ou	t if applicable)			=	gallons +	(s/foot X	feet) +		gallons	
	IMP OR TUBIN		FINAL PUN				PURGING	ат 1206	PURGING ENDED AT	12/0		TOTAL VOL	UME allons). 6.00
DEPTHIN	WELL (feet): 1	CUMUL	DEPTH IN	DEPTH			INITIATED	COND	DISSOLVED	1240		PORGED (g	anoris). O.OO
TIME	VOLUME PURGED (gallons)	VOLUME PURGED (gallons)	PURGE RATE (gpm)	TO WATER (feet)	/etan	dard (s)	(°C)	(circle units) µmhos/cm	OXYGEN (circle units) or % saturation	ГИ)	BIDITY (Us)	COLOI (describ	
1222	2.25	2.25	0.14	3.61	7.0		27.5	404.0	0.51		.80	none	none
1236	2.25	4.50	0.14	3.61	_		27.8	403.9	0.42	-	.70	none	none
1242	0.75	5.25	0.14	3.61	7.2		27.9	405.3	0.35		.30	none	
1248	0.75	6.00	0.14	3.61	7.2	20	27.9	407.1	0.31	13	.00	none	none
			-		-					-		-	
	PACITY (Gallon			1, 004	1.05			A'I 0 07	4" = 0 65;	<u></u>	2 61	' = 1.47.	12" = 5.88
TUBING IN	ISIDE DIA. CA	S Per Foot)	0.75" = 0 02, F(.). 1/8" = 0.0	0.04, 0006; 3/1	1.25	= 0.06, 14, 1/	2'' = 0.16, $4'' = 0.0026$.	5/16" = 0					5/8" = 0.016
PURGING	EQUIPMENT C	ODES: B	= Bailer,	BP = Bladde				ubmersible Pu	mp: PP = P	eristaltic	Pump;	0 = 0	her (Specify)
CAMPIED	BY (PRINT) / A	ECHIATION:	- T	SAMPLER			NG DA	ΓA					
	y Cross/							-	SAMPLING INITIATED A	т 1251	1	SAMPLIN ENDED A	
PUMP OR DEPTH IN	TUBING WELL (feet). 1	0.00		TUBING MATERIAL	CODE: S	6 + PE			FILTERED Y			FILTER SI	ZΕ hw
ASSESS OF CARD	CONTAMINATIO	each common	P Y		TUB	ING Y	r [] (rep	laced)	DUPLICATE:	Y	1	1	
SAMI	PLE CONTAINE	R SPECIFICA	ATION		SAMP	LE PRES	SERVATION		INTEND			MPLING	SAMPLE PUMP
SAMPLE ID CODE	¢ CONTAINERS	MATERIAL CODE	VOLUME	PRESERV USE			TAL VOL N FIELD (ml	FINAL L) pH	ANALYSIS A METHO			ODE	FLOW RATE (mL per minute)
REMARKS		de la companya de la		····									
No shee	en observe	d.											
MATERIAL		AG = Amber	Glass, CG =	Clear Glas	s. PE	= Polyeth	ylene, P	P = Polypropy	lene. S = Silico	one, T	= Teflo	on: O = 0	ther (Specify)
SAMPLING	3 EQUIPMENT		APP = After Pe RFPP = Revers		AND CONTRACT OF STREET	= Bailer, np. S	The second second	ladder Pump. Iethod (Tubing	ESP = Electi Gravity Drain).		ersible Other (S		

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally. ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

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

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

SITE						ITE .						
NAME V	/IE						ee Count	У				
WELL NO	WTE - 4S			SAMPL.	E ID: WTE	- 4S	<u> </u>		DATE. 8	3/7/13	3	
	- 371				PUR	GING DA	TA					
WELL	0.0	TUBIN	_		LL SCREEN		STATIC				E PUMP TY	
WELLVO	R (inches). 2.0		TER (inches). (O WATER) X	ER (feet) 3.93	TY	OR BA	ILER RF	
	it if applicable)		00000000000000000000000000000000000000				30 T DRIVE CO. CO.					
FOUNDAME	NT VOLUME PI	IDOE: 4 FO	= (13.40 fee		3.93 fe	et) X (0.16 gallons/fo		10511	1.52	gallons
	nt volume Po	JRGE: 1 EQ	JIPMENT VOL.	= PUMP VO	LOME + (10)	BING CAPACI	IY X I	UBING LENGTH	+ FLOW	VCELL	VOLUME	
			T 2		gallons + (ns/foot X	feet)	+	- 1-	gallons =	
\$1517(\$100) (100) \$100) (\$10)	JMP OR TUBIN WELL (feet): 1			IP OR TUBIN WELL (feet)		PURGIN	DAT. 1034	PURGING ENDED AT:	1045		OTAL VOL	ume allons): 2.75
DEFINIT	1	CUMUL	T DEI III III	DEPTH	10.00		COND	DISSOLVED	1010		T (g	1
TIME	VOLUME PURGED (gallons)	VOLUME PURGED (gallons)	PURGE RATE (gpm)	TO WATER (feet)	pH (standard units)	TEMP (°C)	(circle units) jimhos/cm	OXYGEN (circle units) or % saturation	TURB (NT	BIDITY 'Us)	COLOF (describ	
1039	1.75	1.75	0.25	3.94	6.91	28.4	445.8	1.56	0.	75	none	none
1042	0.50	2.25	0.25	3.94	6.91	28.4	444.3	0.84	0.3	34	none	
1045	0.50	2.75	0.25	3.94	6.92	28.3	435.8	0.53	0.4	46	none	A = 0 = 0.000 x = 0.000
											1	
							4					<u> </u>
												- I
1												
	PACITY (Gallon					06, 2" = 0 10			5" = 1 02			12" = 5 88
	EQUIPMENT C	i salmana a la como de		BP = Bladder		1/4" = 0.002	6. 5/16" = 0 Submersible Pi		eristaltic I			5/8" = 0.016 her (Specify)
ronomo	Lucii iiiLiii c	ODEO. I	Doner.	Dibodo.		LING DA		р.	, indicated i	· c.i.p.		ici (opcon)
	BY (PRINT) / A		T	SAMPLER(S) SIGNATUR	E(S):	200.000	SAMPLING			SAMPLING	
Tomm	y Cross/	FCL			7===		-	INITIATED AT	r. 0935	,	ENDED A	
PUMP OR	TUBING			TUBING			FIELD	D-FILTERED: Y	N		FILTER SI	ZE ⁻ μm
DEPTH IN	WELL (feet) 1	0.00		MATERIAL (CODE S +	PE		tion Equipment Ty				
FIELD DE	CONTAMINATIO	DN PUN	AP Y []		TUBING	Y [] (re	placed)	DUPLICATE:	Y		I	
SAM	PLE CONTAINE	R SPECIFICA	ATION		The second of th	RESERVATIO	N	INTENDE			APLING	SAMPLE PUMP
SAMPLE ID CODE	¢ CONTAINERS	MATERIAL CODE	VOLUME	PRESERVA USED		TOTAL VOL ED IN FIELD (r	FINAL nL) pH	METHO			ODE	FLOW RATE (mL per minute)
IO GODE	OUTTAINENS	OODE		JULD	1000	- IN LIEUD (I	nc) pii					
							-					
REMARKS	S'											
No sho	on observe	d										
MATERIA	en observe	AG = Amber	Glass, CG =	Clear Glass	PE = Pol	yethylene,	PP = Polyprop	ytene; S = Silico	ne; T	= Teflor	n. O=0	ther (Specify)
	G EQUIPMENT		APP = After Pe				Bladder Pump,					
			RFPP = Revers				Method (Tubing	g Gravity Drain);		ther (S		

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pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

SITE					9 5.00	ITE .	0 1					
NAME. V	/IE						ee County	У				
WELL NO	WTE - 5S			SAMPLE	ID: WTE				DATE 8	/7/13	3	
					PUR	GING DA	TA					
WELL	0.00	TUBIN			LL SCREEN		STATIC		100		E PUMP TY	
DIAMETER	R (inches) 2.0	J DIAME	TER (inches).	0.25 DEF			eet TO WATER) X	ER (feet) 3.08	ITY 1	OR BA	ILER RFF	<u>'P</u>
	t if applicable)	T HELL TO										
FOLUDIA	NT VOLUME PL	IDCE. 4 FO	= (17.45 fee	IIME VITU	3.08 fe	et) X (0.16 gallons/fo	001 =	CELL	2.30	gallons
	t if applicable)	JRGE: TEQ	UIPMENT VOL.						•	CELL		
	1110 OD TUDBU		Tema pine	P OR TUBING	allons + (gallo	ons/foot X	feet PURGING) +	77	gallons =	
	JMP OR TUBIN WELL (feet) 1			VELL (feet). 1			D AT: 1133	ENDED AT:	1146			allons) 4.00
DEI III III	Trace (rect)	CUMUL	Toer min.	DEPTH		1	COND	DISSOLVED	T			
TIME	VOLUME PURGED (gallons)	VOLUME PURĜED (gallons)	PURGE RATE (gpm)	TO WATER (feet)	pH (standard units)	TEMP. (°C)	(circle units) jumhos/cm or	OXYGEN (circle units) or % saturation	TURBI (NT		COLOR (describe	The second secon
1140	2.50	2.50	0.31	3.32	6.97	25.8	422.5	0.36	3.0		none	none
1143	0.75	3.25	0.31	3.32	7.00	25.7	419.2	0.33	1.9	90	none	none
1146	0.75	4.00	0.31	3.32	6.99	25.7	417.3	0.35	1.8	31	none	none
					_							
	1											
				·					1			
WELL CA	PACITY (Gallon	s Per Foot)	0.75" = 0.02,	1" = 0 04.	1.25" = 0.0	06. 2" = 0.1			5" = 1 02			12" = 5.88
	SIDE DÍA. CAI		A 102 W	006; 3/16 3P = Bladder I		1/4" = 0.002	6; 5/16" = 0 Submersible Po		eristaltic P	_		5/8" = 0 016 her (Specify)
PURGING	EQUIPMENT	ODES.	5 - Oaner, L	or - blagger		LING DA	and the second s	ump, rr – r	Chistoric r	omp.	0 00	ici (opecity)
SAMPLED	BY (PRINT) / A	FFILIATION		SAMPLER(S	SIGNATUR	RE(S)		SAMPLING			SAMPLING	3
Tomm	y Cross/	FCL			7		2 minutes	INITIATED A	т. 1150		ENDED AT	
PUMP OR	TUBING			TUBING				D-FILTERED Y				ZE·μm
DEPTH IN	WELL (feel) 1	0.00		MATERIAL C	ODE S +	PE		tion Equipment Ty				
FIELD DE	CONTAMINATIO	ON. PUI	MP Y		TUBING	Y [] (re	eplaced)	DUPLICATE	Y		B	
SAM	PLE CONTAINE	R SPECIFIC	ATION		SAMPLE P	RESERVATIO	N	INTEND			MPLING	SAMPLE PUMP
SAMPLE	CONTAINEDS #	MATERIAL	VOLUME	PRESERVAT		TOTAL VOL	FINAL	ANALYSIS A METHO			IPMENT ODE	(mL per minute)
ID CODE	CONTAINERS	CODE		USED	AUDI	ED IN FIELD (mL) pH					
				-	-			-				
			-									
												····
REMARKS	3											
No she	en observe	d										
MATERIA		AG = Amber	Glass: CG =	Clear Glass:	PE = Pol	lyethylene:	PP = Polyprop	ylene: S = Silice	one, T:	= Teflor	n. O = O	ther (Specify)
	G EQUIPMENT	CODES:	APP = After Per	ristaltic Pump	B = Ba	aller, BP =	Bladder Pump,	ESP = Elect	ric Subme	rsible F	Pump.	
IOTEC: 4			RFPP = Reverse		The second of the second of the second		The state of the s	g Gravity Drain),	0=0	mer (5	pecify)	

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

^{2.} STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3) pH: \pm 0.2 units Temperature: \pm 0.2 °C Specific Conductance: \pm 5% Dissolved Oxygen: all readings \leq 20% saturation (see Table FS 2200-2), optionally, \pm 0.2 mg/L or \pm 10% (whichever is greater) Turbidity: all readings \leq 20 NTU; optionally \pm 5 NTU or \pm 10% (whichever is greater)

SITE					1 10	TÉ .		- (1) (1) - 1					
NAME: W						ocation. Le	e Co	ounty			West Miles		
WELL NO	WTE - 6S			SAMPLE	ID. WTE					DATE 8/	7/13		
						SING DA							
WELL DIAMETER	R (inches) 2.0	0 DIAME	G TER (inches)		LL SCREEN PTH fe			TATIC D O WATE	EPTH R (feet) 5.85			PUMP TYPE	
WELL VOL		1 WELL VO	LUME = (TOT	AL WELL DEF	TH - STA	TIC DEPTH T			WELL CAPACI				
5 15	***, n		= (19.98 fee			eet) X		16 gallons/fo			2.26	gallons
	NT VOLUME PI	JRGE: 1 EQU	JIPMENT VOL	, = PUMP VOI	.UME + (TUE	BING CAPACI	TY >	(TU	BING LENGTH)	+ FLOW	CELL	VOLUME	
30. 6	S 53X %		T ENIAL DUN	= g	allons + (gallo	ons/foot >	(feel)	+	T 7/	gallons =	gallons
	IMP OR TUBIN WELL (feet): 1			WELL (feet): 1		INITIATE		107	ENDED AT	1120		URGED (gallo	C 2000
TIME	VOLUME PURGED (gallons)	CUMUL VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP.	CON (circle µmho or	units) s/cm	DISSOLVED OXYGEN (circle units) or % saturation	TURBIO (NTU		COLOR (describe)	ODOR (describe)
1114	2.50	2.50	0.31	5.94	6.97	25.9	416		0.36	12.7	70	none	none
1117	0.75	3.25	0.31	5.94	6.98	25.8	414		0.25	11.0		none	none
1120	0.75	4.00	0.31	5.94	6.98	25.8	414	4.0	0.23	6.1	1	none	none
			-	 									
	-												-
			+	-									
·			 										
												_	
WELL CAP	PACITY (Gallon	s Per Foot) PACITY (Gal /	0.75" = 0.02, Ft.). 1/8" = 0.	1" = 0.04. 0006. 3/16'	1.25" = 0.0	6. 2" = 0 1 1/4" = 0.002	6. 3 "	= 0 37, 16" = 0 0		5" = 1 02. 006. 1	6" 1/2" = (" = 5.88 " = 0.016
	EQUIPMENT C			BP = Bladder I	Pump, E	SP = Electric	Submer			ristaltic Pu	ump.	O = Othe	r (Specify)
CANDIES	DV (DDINE) / A	FEIL IATION		SAMPLER(S		LING DA	ATA						
	BY (PRINT) / A y Cross/			Control of the Contro		E(0):	2		SAMPLING INITIATED AT	1123		SAMPLING ENDED AT	1128
PUMP OR				TUBING				FIELD.	FILTERED Y			FILTER SIZE	- 10000000
	WELL (feet) 1	0.00		MATERIAL C	ODE S + I	PE			n Equipment Typ			TIETEN OIZE	
FIELD DEC	CONTAMINATIO	ON PUN	IP Y		TUBING	Y] (n	eplaced)		DUPLICATE	Y		B	
1000000	PLE CONTAINE		ATION		11, 23,000 cm201	RESERVATIO			INTENDE				AMPLE PUMP FLOW RATE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVAT USED		TOTAL VOL D IN FIELD (FINAL pH	METHO				nL per minute)
	u nium sistematika												
							-					-	
REMARKS	· · · · · · · · · · · · · · · · · · ·								1				
	en observe	d											
MATERIAL		AG = Amber	Glass; CG:	Clear Glass,	PE = Pol	yethylene,	PP = Po	lypropyl	ene: S = Silico	ne, T≖	Teflon	, O = Othe	er (Specify)
SAMPLING	3 EQUIPMENT		APP = After Pe				Bladder		ESP = Electri				

Revision Date: February 12, 2009

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

2. Stabilization Criteria for range of variation of Last three consecutive readings (see FS 2212, section 3) pH: \pm 0.2 units Temperature: \pm 0.2 °C Specific Conductance: \pm 5% Dissolved Oxygen: all readings \leq 20% saturation (see Table FS 2200-2); optionally, \pm 0.2 mg/L or \pm 10% (whichever is greater) Turbidity: all readings \leq 20 NTU; optionally \pm 5 NTU or \pm 10% (whichever is greater)

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Lee	9					3	111		*			
Address						Client	Client Contact			FAX		
						FCL	FCL Project Manager	2		E-MAIL		
Phone						Requé 10 Da	Requested Due Date 10 Day Standard OR	9	N.V.	Rush Charges May Apply	77	-1
Sampled By (PRINT):	7	7207				Pick-Up Fee	S dr	Vehicle Surcharge	e S	d	S S	O
Sampler Signature			Dat	Date Sampled	87		PRESERVATIVES	ANALYSES	The State of the	. Cec	COMMENTS	
GW-ground water SW - surface water		DW - drinking water SO - soil/solid S		was	tewater HW - waste	1E		7/1	10908 V 10 P	7000	16 % PH4	# Contain
ITEM SAMPLE ID		DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO.	NON	HACI HACI HACI	75	をある		>	letoT
1 WIE-15	18	12/12/13/0951	951	5W 2	2122956W1X		××	7	1			7
2 WE125	`	1	1023	-	_	- 2			_			-
3 WE-45			1048			m						=
4 With-los		7	1123			7						F
5 WEST			1150			In						-
6 WIE-35R		-	125	4		4	-4	777				-¢
7 Tris Blank			1	27	P	7			1			u
8				7								
6												-
10												-
Relinquished By / Affiliation	Date	Time	Acce	Accepted By / Affiliation	n Date	Time	Relinquished By / Affiliation	Villiation Date	С Тіте	Accepted By / Affiliation	Date	Time
								,		•		
								,				

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FIELD DATA SHEET



Sampler(s) To	mmy C	cross			*******	Date	8/7/	13	Page	1 of	7
Project Name L	ee Cou	unty: \	WTE :	Semi-A	nnual M	W'.s			· · · · · · · · · · · · · · · · · · ·	and the second second second second	
Sample Type V	W	6W	I	₩	DW	Reag.Wir.	Studge	se	diment	Boll	Other
Sample Site Indentific	ntion V	VTE-1	S, W	TE-2S,	WTE-45	S, WTE-6	S, WTE	E-5S, Wte	-3SR		
Sampling Method	1	Grab []	Composi	pp 🗌	Monitoring	Kell [X	Balta	, D	Pump	K)
Sampling Equipment	perist	altic.r	ump.	polyeth	vlene a	nd silicor	n tubing				
Site & Weather Cond	146		and he								
Field Instrument Be	alnning	Calibra	itlon	8 A - 1 (C - 1)							Slope
pH Meter	YES	X	МО		Buffer	4.0	4.01	7.0	6,98	10.0	10.03
Conductivity Meter	YES	X	NO		Buffer			1413	1414		
Turbidity Meter	YES	X	NO		Buffer			10.00	10.12	=	U L Save
DO Meter	YES	X	NO		Buffer	100.2%	satura			2.7	
Field Filtered	YES	(X) NO		Duplice	ate 🗆 YES	ONK		Fletd Decon	tamination	[X] YES [] NO
Parameter		Sampl	e Conte	liners		pH C	heck	Well D	iameter	Mı	ultiplier
Nutrient X	Plastic -	Hg804				<2		1.5 Ino	hes	0	.092
Metals	Plastic -	HNO ₂				<2	7	2.0 inc			.163 .653
Sulfide	Plastic -	NaDH /	Zn Aoet	ate		< 12		6.0 inc			.469
☐ Cyanide	Plantic -	NaDH/	Zn (No	outiide)/Asc	pioA oidrox	> 12				****	
☐ Baoteriological	Glass - '	Thlosult	ate (DW	NO Chlorin	ne Res)						
Oil & Greate	Giass - I	нся				<2					
□ TOC	Plastic -	HÇI				<2					
IX VOA	Glass - I	HCI				<2					
□ svoc	Glass - l	HCI (DV	NO Ch	lorina Ras)):						
Phenois	Glass -	H ₂ 50 ₄				<2					
○ Other	Unprese	nved									
Field Instrument En	iding Ca	libratio	ni		3						
pH Meter	YES	X	NO		Buffer	4.0		7.0	7.04	10.0	
Conductivity Meter	YES	X	NO		Butter	1		1413	1389		
Turbidity Meter	YE8	X	NO		Buffer			10.00	10.00	0.52	
DO Meter	YES	X	NO		Buffer	100.19	satura	tion		1	
General Site Inform	ation / C	lomme	nta								.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
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