September 4, 2012

Mr. Albert D. McLaurin, P.E.
Acting Environmental Administrator
Florida Department of Environmental Protection
P.O. Box 2549
Fort Myers, FL 33902-2549

Re: Lee County Resource Recovery Facility, PA90-30H
Second Semi-Annual 2012 Water Quality Monitoring Report
WACS ID No. 93715

Dear Mr. McLaurin:

Enclosed please find the Second Semi-Annual 2012 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 1, 2012 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 or maximum contaminant level (MCL) 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 wells WTE-2S and WTE-5S 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 that exceeded the Department's water quality standards are typical for the surficial aquifer in this geographic region and are consistent with background concentrations and historical monitoring results. The concentrations of Iron and TDS in the wells that exceeded the MCL as noted above are provided in Table 1.1.

Table 1.1 – Summary of Results for Monitoring Wells which Exceeded the Water Quality Standards Established in Chapter 62-550, F.A.C.

Parameter (units)	WTE-1S	WTE-2S	WTE-3SR	WTE-4S	WTE-5S	WTE-6S
Iron (mg/L)	3.78	3.09	2.14	2.19	2.42	2.01
TDS (mg/L)	BS	578	BS	BS	546	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 2, 2012

WELL ID	Elevation (ft., NGVD)	WELL ID	Elevation (ft., NGVD)
WTE-1S	20.01	WTE-1D	12.73
WTE-2S	19.5	WTE-2D	18.29
WTE-3S	18.7	WTE-3D	17.58
WTE-4S	16.97	WTE-4D	16.1
WTE-5S	19.58	WTE-5D	18.07
WTE-6S	16.44	WTE-6D	15.59

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.

Recommendations/Conclusions

The monitoring results reported herein for the Second Semi-Annual 2012 Water Quality Monitoring Report 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.

Sincerely,

Laura A. Gray, P.E.
Engineering Manager
Solid Waste Division

Attachments

Cc: Bill Krumbholz, DEP
James A. Standiford IV, 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)

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 Lee County Solid Waste Energy Recovery Facility

Address 10500 Buckingham Road

City Fort Myers Zip 33905 County Lee

Telephone Number (239) 533-8000

(2) WACS Facility ID 93715

(3) DEP Permit Number PA90-30H

(4) Authorized Representative's Name Lindsey J. Sampson Title Director

Address 10500 Buckingham Road

City Fort Myers Zip 33907 County Lee

Telephone Number (239) 533-8000

Email address (if available) lsampson@leegov.com

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.

9/4/12 (Date)

Lindsey J. Sampson (Owner or Authorized Representative's Signature)

PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization Flowers Chemical Laboratories, Inc.

Analytical Lab NELAC / HRS Certification # E83018

Lab Name Flowers Chemical Laboratories, Inc

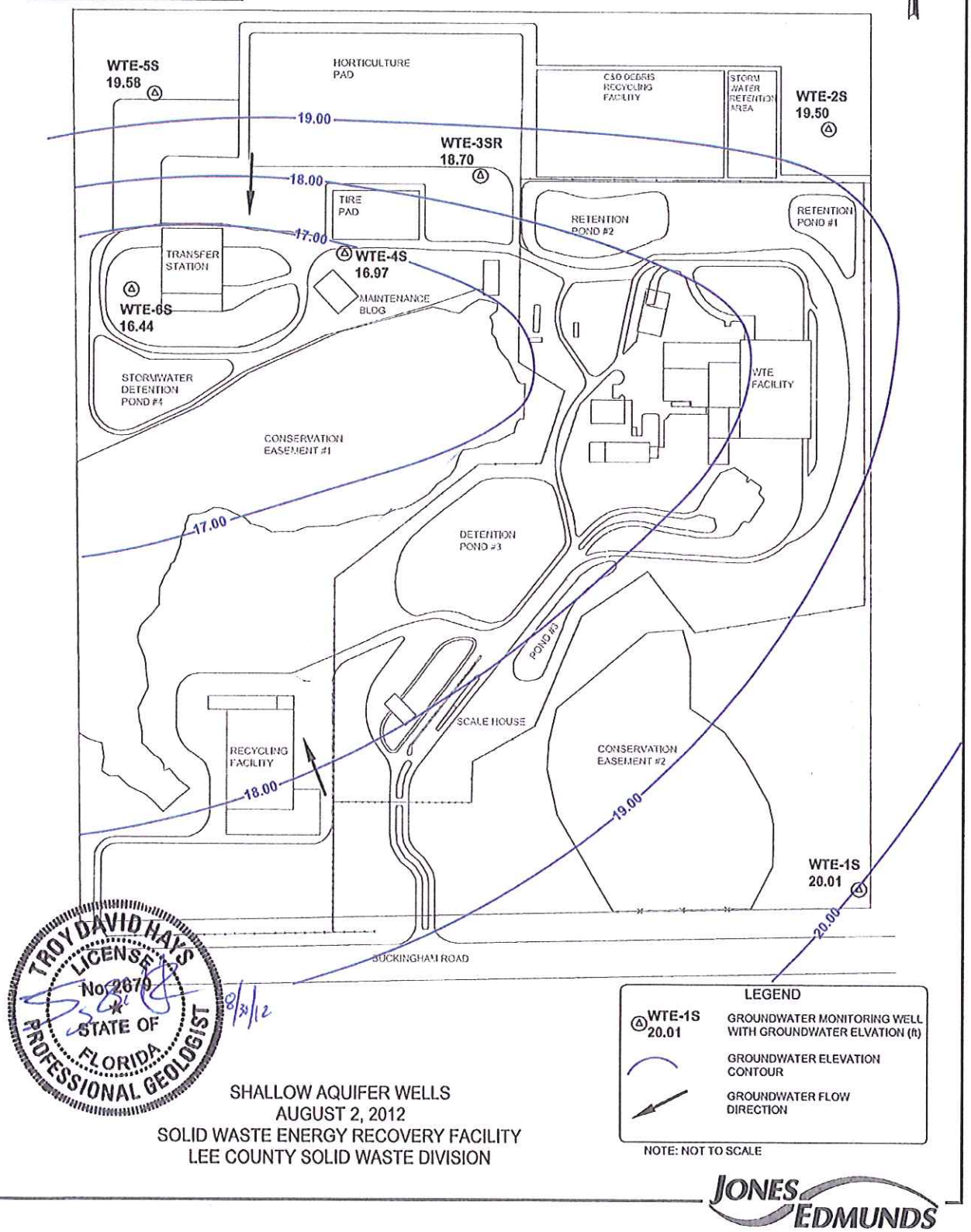
Address P.O. Box 150597, Altamonte Springs, FL 32715-0597

Phone Number (407) 339-5984

Email address (if available)

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

WELL	GW ELEVATION
WTE-1S	20.01 FT
WTE-2S	19.50 FT
WTE-3SR	18.70 FT
WTE-4S	16.97 FT
WTE-5S	19.58 FT
WTE-6S	16.44 FT



TROY DAVID HAYS
LICENSE
No. 2670
STATE OF
FLORIDA
PROFESSIONAL GEOLOGIST
8/31/12

SHALLOW AQUIFER WELLS
AUGUST 2, 2012
SOLID WASTE ENERGY RECOVERY FACILITY
LEE COUNTY SOLID WASTE DIVISION

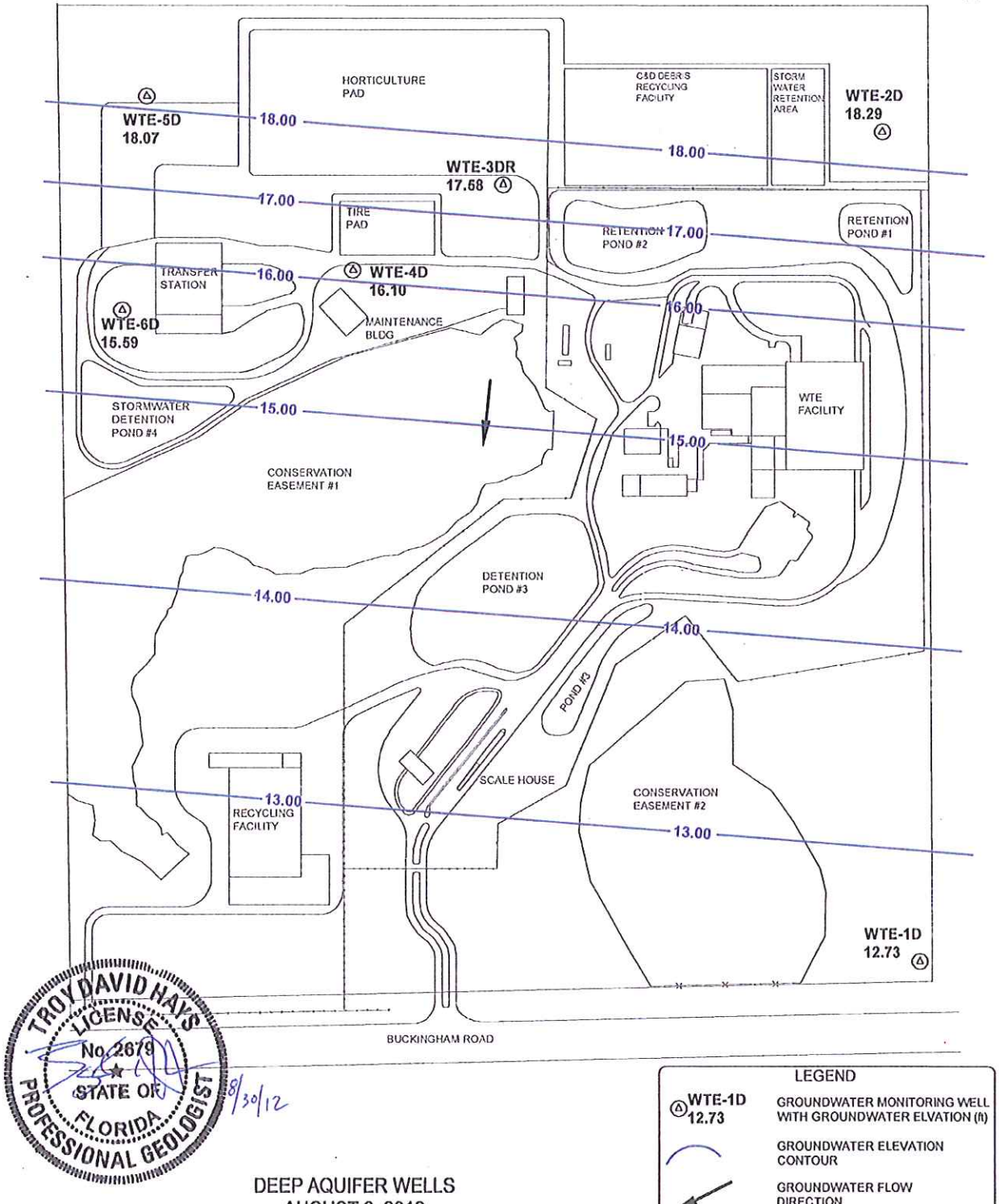
NOTE: NOT TO SCALE

JONES EDMUNDS

PLOTTED: 8/30/2012 04:59 PM MICHELLE R. HAYS 12345-005-01

SAVED: 8/30/2012 4:55 PM MHAYS Z:\JONES EDMUNDS\LEE COUNTY\WTE PLANT\12SQ\WTE SHALLOW8-2-2012_MRH.DWG

WELL	GW ELEVATION
WTE-1D	12.73 FT
WTE-2D	18.29 FT
WTE-3DR	17.58 FT
WTE-4D	16.10 FT
WTE-5D	18.07 FT
WTE-6D	15.59 FT



TROY DAVID HAYS LICENSE No. 2679 STATE OF FLORIDA PROFESSIONAL GEOLOGIST

8/30/12

LEGEND

- WTE-1D 12.73 — GROUNDWATER MONITORING WELL WITH GROUNDWATER ELVATION (ft)
- GROUNDWATER ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION

NOTE: NOT TO SCALE

DEEP AQUIFER WELLS
AUGUST 2, 2012
SOLID WASTE ENERGY RECOVERY FACILITY
LEE COUNTY SOLID WASTE DIVISION

JONES EDMUNDS

PLOTTED: 8/29/2012 11:28 AM TROY HAYS 12345-005-01

SAVED: 8/29/2012 11:17 AM THAYS K:\JONES EDMUNDS\LEE COUNTY\WTE PLANT\12S2\WTE DEEP 8-2-2012.DWG

Lee County Resource Recovery Facility
Ground Water Elevations for August 2, 2012

Well ID	GW Elevation (ft, NGVD)	Well ID	GW Elevation (ft, NGVD)
WTE-1S	20.01	WTE-1D	12.73
WTE-2S	19.5	WTE-2D	18.29
WTE-3SR	18.7	WTE-3DR	17.58
WTE-4S	16.97	WTE-4D	16.1
WTE-5S	19.58	WTE-5D	18.07
WTE-6S	16.44	WTE-6D	15.59

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

Well No.	Elev. TOC, NGVD	Depth to Water, ft.	Water Elevation, Ft., NGVD	Total Depth (ft)
WTE-1S	21.91	1.9	**20.01**	14.6
WTE-1D	22.96	10.23	**12.73**	93.55
WTE-2S	24.18	4.68	**19.5**	12
WTE-2D	23.52	5.23	**18.29**	93
WTE-3SR	23.98	5.28	**18.7**	16.95
WTE-3DR	23.91	6.33	**17.58**	92
WTE-4S	22.48	5.51	**16.97**	13.4
WTE-4D	23.81	7.71	**16.1**	96
WTE-5S	23.81	4.23	**19.58**	17.41
WTE-5D	24.5	6.43	**18.07**	94
WTE-6S	23.66	7.22	**16.44**	19.98
WTE-6D	22.91	7.32	**15.59**	96

Note: WTE-3SR and WTE-3DR were installed on 9/15/10 and 10/1/10, respectively, to replace WTE-3S and WTE-3D 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)

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

FLOWERS CHEMICAL LABORATORIES INC.
P.O. BOX 150597, ALTAMONTE SPRINGS FL 32715-0597 PHONE (407) 339-5094 FAX (407) 260-6110 www.flowerslabs.com

FCL/LCSWD
Monitoring Well Inspection Form

DATE: 8/2/12

SITE NAME: WTE

SITE LOCATION: Lee County

WELL NUMBER: WTE-1S ✓ Shallow ___ Deep WELL DIAMETER: 2.00"

LOCATION: ___ Landfill ___ Percolation Pond ___ O&M Building X WTE Site

WELL TYPE: X Background ___ Detection ___ Compliance

TOC Elevation: 21.91' TOTAL WELL DEPTH: 14.60' STATIC DEPTH TO WATER 1.90'

GROUNDWATER NGVD: (TOC Elevation – Static Depth to Water) 20.01'

Comments: (PER Monitoring Well Inspection on A12 of A19 of Contract):
Everything Inspected, Everything O.K.

DATE: 8/2/12

SITE NAME: WTE

SITE LOCATION: Lee County

WELL NUMBER: WTE-1D ___ Shallow ✓ Deep WELL DIAMETER: 4.00"

LOCATION: ___ Landfill ___ Percolation Pond ___ O&M Building ✓ WTE Site

WELL TYPE: ✓ Background ___ Detection ___ Compliance

TOC Elevation: 22.96' TOTAL WELL DEPTH: 93.55' STATIC DEPTH TO WATER 10.23'

GROUNDWATER NGVD: (TOC Elevation – Static Depth to Water) 12.73'

Comments: (PER Monitoring Well Inspection on A12 of A19 of Contract):
Everything Inspected, Everything O.K.

FLOWERS CHEMICAL LABORATORIES INC.
P.O. BOX 150597, ALTAMONTE SPRINGS FL 32715-0597 PHONE (407) 339-5084 FAX (407) 260-6110 www.flowerslabs.com

FCL/LCSWD
Monitoring Well Inspection Form

DATE: 8/2/12

SITE NAME: WTE

SITE LOCATION: Lee County

WELL NUMBER: WTE-2S ✓Shallow ___Deep WELL DIAMETER: 2.00"

LOCATION: ___Landfill ___Percolation Pond ___O&M Building ✓WTE Site

WELL TYPE: ___ Background ✓ Detection ___ Compliance

TOC Elevation: 24.18' TOTAL WELL DEPTH: 12.00' STATIC DEPTH TO WATER 4.68'

GROUNDWATER NGVD: (TOC Elevation – Static Depth to Water) 19.50'

Comments: (PER Monitoring Well Inspection on A12 of A19 of Contract): Everything Inspected, padlock rusty + Hard to open, Everything else O.K.

DATE: 8/2/12

SITE NAME: WTE

SITE LOCATION: Lee County

WELL NUMBER: WTE-2D ___Shallow ✓Deep WELL DIAMETER: 4.00"

LOCATION: ___Landfill ___Percolation Pond ___O&M Building ✓WTE Site

WELL TYPE: ___ Background ✓ Detection ___ Compliance

TOC Elevation: 23.52' TOTAL WELL DEPTH: 93.00' STATIC DEPTH TO WATER 5.23'

GROUNDWATER NGVD: (TOC Elevation – Static Depth to Water) 18.29'

Comments: (PER Monitoring Well Inspection on A12 of A19 of Contract): Everything Inspected, padlock rusty + hard to open, Everything else O.K.

FLOWERS CHEMICAL LABORATORIES INC.
P.O. BOX 150597, ALTAMONTE SPRINGS FL 32715-0597 PHONE (407) 339-5984 FAX (407) 260-6110 www.flowerslabs.com

FCL/LCSWD
Monitoring Well Inspection Form

DATE: 6/2/12

SITE NAME: WTE

SITE LOCATION: Lee County

WELL NUMBER: WTE-35R ✓ Shallow ___ Deep WELL DIAMETER: 2.00"

LOCATION: ___ Landfill ___ Percolation Pond ___ O&M Building ✓ WTE Site

WELL TYPE: ___ Background ✓ Detection ___ Compliance

TOC Elevation: ~~24.75~~ 23.98' TOTAL WELL DEPTH: ~~16.95~~ 15' STATIC DEPTH TO WATER 5.28'
TH 6/13 TH 6/13

GROUNDWATER NGVD: (TOC Elevation – Static Depth to Water) 18.70'

Comments: (PER Monitoring Well Inspection on A12 of A19 of Contract): Everything Inspected, Everything O.K.

DATE: 6/2/12

SITE NAME: WTE

SITE LOCATION: Lee County

WELL NUMBER: WTE-3DR ___ Shallow ✓ Deep WELL DIAMETER: 4.00"

LOCATION: ___ Landfill ___ Percolation Pond ___ O&M Building ✓ WTE Site

WELL TYPE: ___ Background ✓ Detection ___ Compliance

TOC Elevation: ~~27.13~~ 23.91' TOTAL WELL DEPTH: 82.00' STATIC DEPTH TO WATER 6.33'
TH 6/13

GROUNDWATER NGVD: (TOC Elevation – Static Depth to Water) 17.58'

Comments: (PER Monitoring Well Inspection on A12 of A19 of Contract): Everything Inspected, Everything O.K.

FLOWERS CHEMICAL LABORATORIES INC.
P.O. BOX 150597, ALTAMONTE SPRINGS FL 32715-0597 PHONE (407) 339-5984 FAX (407) 260-6110 www.flowerslabs.com

FCL/LCSWD
Monitoring Well Inspection Form

DATE: 8/2/12

SITE NAME: WTE

SITE LOCATION: Lee County

WELL NUMBER: WTE-4S ✓ Shallow ___ Deep WELL DIAMETER: 2.00"

LOCATION: ___ Landfill ___ Percolation Pond ___ O&M Building ✓ WTE Site

WELL TYPE: ___ Background ✓ Detection ___ Compliance

TOC Elevation: 22.48' TOTAL WELL DEPTH: 13.40' STATIC DEPTH TO WATER 5.51'

GROUNDWATER NGVD: (TOC Elevation – Static Depth to Water) 16.97'

Comments: (PER Monitoring Well Inspection on A12 of A19 of Contract):
Everything Inspected, Everything O.K.

DATE: 8/2/12

SITE NAME: WTE

SITE LOCATION: Lee County

WELL NUMBER: WTE-4D ___ Shallow ✓ Deep WELL DIAMETER: 4.00"

LOCATION: ___ Landfill ___ Percolation Pond ___ O&M Building ✓ WTE Site

WELL TYPE: ___ Background ✓ Detection ___ Compliance

TOC Elevation: 23.81' TOTAL WELL DEPTH: 96.00' STATIC DEPTH TO WATER 7.71'

GROUNDWATER NGVD: (TOC Elevation – Static Depth to Water) 16.10'

Comments: (PER Monitoring Well Inspection on A12 of A19 of Contract):
Everything Inspected, Everything O.K.

FLOWERS CHEMICAL LABORATORIES INC.
P.O. BOX 150597, ALTAMONTE SPRINGS FL 32715-0597 PHONE (407) 339-5984 FAX (407) 260-6110 www.flowerslabs.com

FCL/LCSWD
Monitoring Well Inspection Form

DATE: 8/2/12

SITE NAME: WTE

SITE LOCATION: Lee County

WELL NUMBER: WTE-5S ✓Shallow ___Deep WELL DIAMETER: 2.00"

LOCATION: ___Landfill ___Percolation Pond ___O&M Building ✓WTE Site

WELL TYPE: ___ Background ✓ Detection ___ Compliance

TOC Elevation: 23.81' TOTAL WELL DEPTH: 17.45' STATIC DEPTH TO WATER 4.23'

GROUNDWATER NGVD: (TOC Elevation – Static Depth to Water) 19.58

Comments: (PER Monitoring Well Inspection on A12 of A19 of Contract):
Everything Inspected, Everything O.K.

DATE: 8/2/12

SITE NAME: WTE

SITE LOCATION: Lee County

WELL NUMBER: WTE-5D ___Shallow ✓Deep WELL DIAMETER: 4.00"

LOCATION: ___Landfill ___Percolation Pond ___O&M Building ✓WTE Site

WELL TYPE: ___ Background ✓ Detection ___ Compliance

TOC Elevation: 24.50' TOTAL WELL DEPTH: 94.00' STATIC DEPTH TO WATER 6.43

GROUNDWATER NGVD: (TOC Elevation – Static Depth to Water) 18.07'

Comments: (PER Monitoring Well Inspection on A12 of A19 of Contract):
Everything Inspected, Everything O.K.

FLOWERS CHEMICAL LABORATORIES INC.
P.O. BOX 150597, ALTAMONTE SPRINGS FL 32715-0597 PHONE (407) 339-5984 FAX (407) 260-6110 www.flowerslabs.com

FCL/LCSWD
Monitoring Well Inspection Form

DATE: 8/1/12

SITE NAME: WTE

SITE LOCATION: Lee County

WELL NUMBER: WTE-6S ✓ Shallow ___ Deep WELL DIAMETER: 2.00"

LOCATION: ___ Landfill ___ Percolation Pond ___ O&M Building ✓ WTE Site

WELL TYPE: ___ Background ✓ Detection ___ Compliance

TOC Elevation: 23.66' TOTAL WELL DEPTH: 19.98' STATIC DEPTH TO WATER 7.22'

GROUNDWATER NGVD: (TOC Elevation – Static Depth to Water) 16.44'

Comments: (PER Monitoring Well Inspection on A12 of A19 of Contract): Everything Inspected, pad locks rusty + hard to open, Everything else O/K.

DATE: 8/2/12

SITE NAME: WTE

SITE LOCATION: Lee County

WELL NUMBER: WTE-6D ___ Shallow ✓ Deep WELL DIAMETER: 4.00"

LOCATION: ___ Landfill ___ Percolation Pond ___ O&M Building ✓ WTE Site

WELL TYPE: ___ Background ✓ Detection ___ Compliance

TOC Elevation: 22.91' TOTAL WELL DEPTH: 96.00' STATIC DEPTH TO WATER 7.32'

GROUNDWATER NGVD: (TOC Elevation – Static Depth to Water) 15.59

Comments: (PER Monitoring Well Inspection on A12 of A19 of Contract): Everything Inspected, pad locks rusty + hard to open, Everything else O/K

Attachment D – Sampling Documentation (Shallow Wells)

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

Ground Water (GW) Sampling Logs, FD 9000-24

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: WTE	SITE LOCATION: Lee County	
WELL NO: WTE – 1S	SAMPLE ID: WTE – 1S	DATE: 8/1/12

PURGING DATA

WELL DIAMETER (inches): 2.00	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 1.90	PURGE PUMP TYPE OR BAILER: RFPP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (14.60 feet – 1.90 feet) X 0.16 gallons/foot = 2.03 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.00	PURGING INITIATED AT: 0902	PURGING ENDED AT: 0916	TOTAL VOLUME PURGED (gallons): 3.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or mS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0910	2.25	2.25	0.27	2.05	6.57	23.7	573.0	1.24	3.18	none	none
0913	0.75	3.00	0.27	2.05	6.59	23.7	568.0	1.08	2.17	none	none
0916	0.75	3.75	0.27	2.05	6.63	23.7	564.0	1.09	2.03	none	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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Tommy Cross/ FCL	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0920	SAMPLING ENDED AT: 0925
PUMP OR TUBING DEPTH IN WELL (feet): 10.00	TUBING MATERIAL CODE: S + PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			

See C.O.C.

REMARKS:

No sheen observed.

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)

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: ± 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)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: WTE	SITE LOCATION: Lee County	
WELL NO: WTE – 2S	SAMPLE ID: WTE – 2S	DATE: 8/1/12

PURGING DATA

WELL DIAMETER (inches): 2.00	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 4.69	PURGE PUMP TYPE OR BAILER: RFPP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (12.00 feet – 4.68 feet) X 0.16 gallons/foot = 1.17 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.00	PURGING INITIATED AT: 0933	PURGING ENDED AT: 0945	TOTAL VOLUME PURGED (gallons): 2.25

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
0939	1.25	1.25	0.19	4.72	6.83	24.2	692.0	0.60	1.76	none	none
0942	0.50	1.75	0.19	4.72	6.79	24.0	696.0	0.49	2.52	none	none
0945	0.50	2.25	0.19	4.72	6.75	24.0	698.0	0.57	2.74	none	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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Tommy Cross/ FCL	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 0948	SAMPLING ENDED AT: 0953
PUMP OR TUBING DEPTH IN WELL (feet): 10.00	TUBING MATERIAL CODE: S + PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
				X See C.O.C. X					

REMARKS:

No sheen observed.

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)

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: ± 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)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: WTE	SITE LOCATION: Lee County	
WELL NO: WTE – 4S	SAMPLE ID: WTE – 4S	DATE: 8/1/12

PURGING DATA

WELL DIAMETER (inches): 2.00	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 5.51	PURGE PUMP TYPE OR BAILER: RFPP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (13.40 feet – 5.51 feet) X 0.16 gallons/foot = 1.26 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.00	PURGING INITIATED AT: 1000	PURGING ENDED AT: 1014	TOTAL VOLUME PURGED (gallons): 2.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1008	1.50	1.50	0.18	5.55	6.92	28.9	653.0	0.23	0.29	none	none
1011	0.50	2.00	0.18	5.55	6.93	28.7	651.0	0.27	2.41	none	none
1014	0.50	2.50	0.18	5.55	6.91	28.7	649.0	0.33	2.37	none	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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Tommy Cross/ FCL	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1017	SAMPLING ENDED AT: 1022
PUMP OR TUBING DEPTH IN WELL (feet): 10.00	TUBING MATERIAL CODE: S + PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			

A See C.O.C. A

REMARKS:

No sheen observed.

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)

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: ± 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)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: WTE	SITE LOCATION: Lee County	
WELL NO: WTE – 6S	SAMPLE ID: WTE – 6S	DATE: 8/1/12

PURGING DATA

WELL DIAMETER (inches): 2.00	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 7.22	PURGE PUMP TYPE OR BAILER: RFPP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (19.98 feet – 7.22 feet) X 0.16 gallons/foot = 2.04 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.00	PURGING INITIATED AT: 1023	PURGING ENDED AT: 1043	TOTAL VOLUME PURGED (gallons): 6.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1030	2.25	2.25	0.30	7.34	6.98	26.2	530.0	0.35	28.00	none	none
1037	2.25	4.50	0.30	7.34	6.97	26.1	534.0	0.47	10.55	none	none
1040	0.75	5.25	0.30	7.34	6.96	26.0	536.0	0.37	5.22	none	none
1043	0.75	6.00	0.30	7.34	6.96	26.0	538.0	0.31	3.82	none	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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Tommy Cross/ FCL	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1046	SAMPLING ENDED AT: 1051
PUMP OR TUBING DEPTH IN WELL (feet): 10.00	TUBING MATERIAL CODE: S + PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
				See C.O.C.					

REMARKS:

No sheen observed.

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)

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: ± 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)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: WTE	SITE LOCATION: Lee County	
WELL NO: WTE – 5S	SAMPLE ID: WTE – 5S	DATE: 8/1/12

PURGING DATA

WELL DIAMETER (inches): 2.00	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 4.23	PURGE PUMP TYPE OR BAILER: RFPP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (17.45 feet – 4.23 feet) X 0.16 gallons/foot = 2.12 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.00	PURGING INITIATED AT: 1106	PURGING ENDED AT: 1118	TOTAL VOLUME PURGED (gallons): 3.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1112	2.25	2.25	0.31	4.43	6.89	25.9	617.0	0.29	0.91	none	none
1115	0.75	3.00	0.31	4.43	6.85	25.9	625.0	0.19	2.79	none	none
1118	0.75	3.75	0.31	4.43	6.83	25.9	631.0	0.19	2.66	none	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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Tommy Cross/ FCL	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1121	SAMPLING ENDED AT: 1126
PUMP OR TUBING DEPTH IN WELL (feet): 10.00	TUBING MATERIAL CODE: S + PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
				See C.O.C.					

REMARKS:

No sheen observed.

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)

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: ± 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)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: WTE	SITE LOCATION: Lee County	
WELL NO: WTE – 3S R	SAMPLE ID: WTE – 3S R	DATE: 8/1/12

PURGING DATA

WELL DIAMETER (inches): 2.00	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet): 5.28	PURGE PUMP TYPE OR BAILER: RFPP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)

= (16.15 feet – 5.28 feet) X 0.16 gallons/foot = 1.74 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.00	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.00	PURGING INITIATED AT: 1130	PURGING ENDED AT: 1151	TOTAL VOLUME PURGED (gallons): 5.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or ~~mS/cm~~	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1136	1.75	1.75	0.24	5.28	6.99	28.0	555.0	0.21	172.00	none	none
1142	1.75	3.50	0.24	5.28	7.02	27.9	561.0	0.26	22.60	none	none
1145	0.50	4.00	0.24	5.28	7.02	27.9	562.0	0.27	15.70	none	none
1148	0.50	4.50	0.24	5.28	7.03	27.9	564.0	0.29	9.94	none	none
1151	0.50	5.00	0.24	5.28	7.04	27.9	564.0	0.29	11.50	none	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

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Tommy Cross/ FCL	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1155	SAMPLING ENDED AT: 1200
PUMP OR TUBING DEPTH IN WELL (feet): 10.00	TUBING MATERIAL CODE: S + PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			

*See L.O.C.A.

REMARKS:

No sheen observed.

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)

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: ± 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)

Revision Date: February 12, 2009

Field Data Sheets

Lab # P.L. 18693

FIELD DATA SHEET

FLOWERS CHEMICAL LABORATORIES INCORPORATED

Sampler(s) Tommy Cross Date 8/1/12 Page 1 of 7

Project Name Lee County: WTE S/A MW's

Sample Type	WW	SW	GW	DW	Reag.Wtr.	Sludge	Sediment	Soil	Other

Sample Site Indentification WTE-1S, WTE-2S, WTE-4S, WTE-6S, WTE-5S, WTE-3S

Sampling Method	Grab ☐	Composite ☐	Monitoring Well ☑	Bailer ☐	Pump ☑

Sampling Equipment Geotech peristaltic pump, polyethelene + silicon Tubing

Site & Weather Conditions clear + Hot

Field Instrument Beginning Calibration

											Slope
pH Meter	YES	~~✓~~	NO		Buffer	4.0	3.99	7.0 ~~7.0~~	7.01	10.0	9.99
Conductivity Meter	YES	~~✓~~	NO		Buffer	147		1413 ~~1414~~	1413	12900	
Turbidity Meter	YES	~~✓~~	NO		Buffer	0.5		10.00 ~~5.0~~	10.18	40	
DO Meter	YES	~~✓~~	NO		Buffer	100.5% saturation		Adjust		From	

Field Filtered ☐ YES ☑ ~~NO~~ Duplicate ☐ YES ☑ ~~NO~~ Field Decontamination ☑ ~~YES~~ ☐ NO

Parameter	Sample Containers	pH Check
☑ ~~✓~~ Nutrient	Plastic - H_2SO_4	< 2
☑ ~~✓~~ Metals	Plastic - HNO_3	< 2
☐ Sulfide	Plastic - NaDH / Zn Acetate	< 12
☐ Cyanide	Plastic - NaDH / Zn (No sulfide)/Ascorbic Acid	> 12
☐ Bacteriological	Glass - Thiosulfate (DW NO Chlorine Res)	
☐ Oil & Grease	Glass - HCl	< 2
☐ TOC	Plastic - HCl	< 2
☑ ~~✓~~ VOA	Glass - HCl	< 2
☐ SVOC	Glass - HCl (DW NO Chlorine Res)	
☐ Phenols	Glass - H_2SO_4	< 2
☑ ~~✓~~ Other	Unpreserved	

Well Diameter	Multiplier
1.5 inches	0.092
2.0 inches	0.163
4.0 inches	0.653
6.0 inches	1.469

Field Instrument Ending Calibration

pH Meter	YES	~~✓~~	NO		Buffer	4.0		7.0 ~~7.0~~	6.97	10.0	
Conductivity Meter	YES	~~✓~~	NO		Buffer	147		1413 ~~1414~~	1453	12900	
Turbidity Meter	YES	~~✓~~	NO		Buffer	0.5		10.00 ~~5.0~~	10.00	20.0	
DO Meter	YES	~~✓~~	NO		Buffer	100.3% saturation		Adjust		From	

General Site Information / Comments

Chain of Custodies

Check Box That Applies To Your Location

☐ **Flowers Chemical Laboratories, Inc.**
481 Newburyport Ave.
Altamonte Springs, FL 32701
Bus: 407-339-5984
Fax: 407-260-6110

☐ **Flowers Chemical Labs-South**
West Park Industrial Plaza
571 N.W. Mercantile Pl., Ste. 111
Port St. Lucie, FL 34986
Bus: 772-343-8006
Fax: 772-343-8089

☐ **Flowers Chemical Labs-North**
812 S.W. Harvey Greene Dr.
Madison, FL 32340
Bus: 850-973-6878
Fax: 850-973-6878

☐ **Flowers Chemical Labs-Keys**
3980 Overseas Highway, Ste. 103
Marathon, FL 33050
Bus: 305-743-8598
Fax: 305-743-8598

FLOWERS CHEMICAL LABORATORIES INCORPORATED

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Client: Lee County Solid Waste

Address:

Phone:

Sampled By (PRINT): Tommy Cross

Sampler Signature: [signature]

Date Sampled: 8/1/12

Project Name: WTE S/A MW's

Client Contact: Laura Gray

FCL Project Manager: Phil Loucks

Requested Due Date 10 Day Standard OR

Pick-Up Fee $

Vehicle Surcharge $ NO3

P.O. #

FAX

E-MAIL

Rush Charges May Apply — Quicklist: Lee Co. WTE new permit

Sampling Fee $ x6

GW - ground water DW - drinking water WW - wastewater
SW - surface water SO - soil/solid SL - sludge HW - waste

Analyses Request: NH3; Cl, TDS, SO4, NO3; As, Cd, Cr, Pb; Hg, Fe, Na, Al; EPA 8260 Lee COD

Comments: ≤6°C, pH<2, Lab #

ITEM NO.	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO.	NONE	H_2SO_4	HNO_3	HCl	$Na_2S_2O_3$	NH3	Cl, TDS, SO4, NO3	As, Cd, Cr, Pb	Hg, Fe, Na, Al	EPA 8260 Lee COD	COMMENTS	Total # Containers
1	WTE-1S	8/1/12	0920	GW	~~181892GW1~~	x	x	x	x		x	x	x	x	x	181893GW1	6
2	WTE-2S	↓	0948	↓	STW 8/3 2	↓	↓	↓	↓		↓	↓	↓	↓	↓	2	↓
3	WTE-4S	↓	1017	↓	3	↓	↓	↓	↓		↓	↓	↓	↓	↓	3	↓
4	WTE-6S	↓	1046	↓	4	↓	↓	↓	↓		↓	↓	↓	↓	↓	4	↓
5	WTE-5S	↓	1121	↓	5	↓	↓	↓	↓		↓	↓	↓	↓	↓	5	↓
6	WTE-3SR	↓	1155	↓	6	↓	↓	↓	↓		↓	↓	↓	↓	↓	6	↓
7	Trip Blank	↓	—	D.I.	7				↓						↓	7	2
8																	
9																	
10																	

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
						[signature]	8/2/12	1415	[signature]	8/2/12	1418

FINANCE CHARGES APPLIED TO PAST DUE INVOICES

• **WHITE** - Lab Copy - To Be Scanned • **YELLOW** - Client Copy