

**REPORT OF ANALYSIS**

Printed: 08/31/09 09:03pm

**RECEIVED**

SEP 14 2009

TOM SIRNA  
PBSWA  
7501 N. JOG RD.  
WEST PALM BEACH, FL 33412

Log #: L266086  
Report Period: 2009/Q3

Client Project ID: CENTRAL COUNTY TRANSFER STATION-MON WELLS  
Collected by: Customer Sampled

Laboratory Sample #	Client Sample #
L266086-1	CTMW-4S
L266086-2	CTMW-4I
L266086-3	CTMW-3S
L266086-4	CTMW-3I
L266086-5	METALS BLANK

FLDOH/NELAC# E86240  
GA CERT# 917  
IL/NELAC CERT# 200020  
VA CERT# 00395

KS/NELAC# E-10360  
ADEM ID# 40850  
TN CERT# 02985  
USDA Soil Permit# S-35240

NC CERT# 444  
SC CERT# 96031001

Genapure 3231 NW 7th Avenue Boca Raton, FL 33431 (888) 862-5227

Respectfully submitted,



Mike Kimmel  
Project Manager

Order #: L266086-1  
 Client: PBSWA-PALM BEACH SOLID WASTE AUT

Genapure  
 Report of Analysis for DEP  
 CENTRAL COUNTY TRANS

Diameter (inches): 2.0  
 Depth to Water (ft): 12.3  
 Total Depth (ft): 32.5  
 Top of Casing ('): NA  
 Evacuation (gallons) 16

Sheen:  
 Color: LtYellow  
 Odor: ND  
 Matrix: Groundwater

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility GMS #: NA  
 Test Site ID #: NA  
 Well Name: CTMW-4S  
 Classification of Groundwater: G-II  
 GW Elevation (NGVD): NA  
 or (MSL): NA

Sampling Date/Time: 08/11/09 11:48 AM  
 Report Period: 2009/Q3  
 Well Purge Vol (gal) Y  
 Well Type: C

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date/Time	Analysis Result/Units	Dilution	Detection Limit/Units
<b>Field Parameters</b>								
00010	TEMPERATURE CENTIGRADE	GRAB	N	170.1	08/11 11:48	26.9 Deg. C	1	0.10 Deg. C
00094	CONDUCTIVITY FIELD	GRAB	N	120.1	08/11 11:48	560 umhos/cm	1	0.10 umhos/cm
00406	PH FIELD	GRAB	N	150.1	08/11 11:48	6.55 units	1	0.10 units
82078	TURBIDITY, FIELD	GRAB	N	180.1	08/11 11:48	2.79 ntu	1	0.10 ntu
<b>Wet Chemistry</b>								
00410	TOTAL ALKALINITY AS CaCO3	GRAB	N	SM2320B	08/18 12:00	132. V mg/l	1	5.0 mg/l
00610	AMMONIA	GRAB	N	350.1	08/27 19:30	<0.050 mg/l	1	0.050 mg/l
00340	CHEMICAL OXYGEN DEMAND	GRAB	N	410.4	08/20 18:00	40.0 mg/l	1	10. mg/l
00940	CHLORIDE	GRAB	N	SM4500CL-E	08/28 14:01	47.4 mg/l*	1	1.0 mg/l
00084	COLOR-LAB	GRAB	N	SM2120B	08/13 07:30	180 pcu	3	15. pcu
00745	TOTAL SULFIDE AS S	GRAB	N	SM4500S2-E	08/18 22:00	<1.0 mg/l	1	1.0 mg/l
038260	DETERGENTS MBAS	GRAB	N	SM5540C	08/12 17:00	<0.20 mg/l	1	0.20 mg/l
00620	NITRATE (AS N)	GRAB	N	300.0	08/13 09:16	<0.050 mg/l	1	0.050 mg/l
	ODOR	GRAB	N	140.1	08/12 07:30	<1.0 TON*	1	1.0 TON
00945	SULFATE	GRAB	N	300.0	08/13 09:16	60.5 V mg/l*	1	0.50 mg/l
70300	TOTAL DISSOLVED SOLIDS	GRAB	N	SM2540C	08/18 19:50	345 mg/l	1.33	13. mg/l
00625	KJELDAHL NITROGEN	GRAB	N	351.2	08/19 18:32	1.34 mg/l	1	0.40 mg/l
<b>Metals Analysis</b>								
1002	ARSENIC	GRAB	N	200.8	08/26 12:34	0.0140 mg/l	1	0.0040 mg/l
01007	BARIUM	GRAB	N	3010/6010B	08/20 16:59	0.0330 mg/l	1	0.010 mg/l
01027	CADMIUM	GRAB	N	3010/6010B	08/20 16:59	<0.0020 mg/l	1	0.0020 mg/l
01034	CHROMIUM	GRAB	N	3010/6010B	08/20 16:59	<0.0050 mg/l	1	0.0050 mg/l
01042	COPPER	GRAB	N	3010/6010B	08/20 16:59	<0.0050 mg/l	1	0.0050 mg/l
01045	IRON	GRAB	N	3010/6010B	08/20 16:59	3.54 mg/l	1	0.10 mg/l
01051	LEAD	GRAB	N	3010/6010B	08/20 16:59	<0.0040 mg/l	1	0.0040 mg/l
01147	SELENIUM	GRAB	N	3010/6010B	08/20 16:59	<0.010 mg/l	1	0.010 mg/l
00929	SODIUM	GRAB	N	3010/6010B	08/20 16:59	20.6 mg/l	1	0.50 mg/l
71900	MERCURY	GRAB	N	1311/7470	08/19 11:20	<0.00020 mg/l	1	0.00020 mg/l

Semivolatle Analysis  
TPH(C8-C40)

GRAB N

FLPRO

08/19 05:32 <0.65 mg/l

1

0.65 mg/l

\*\*\*\* NOTES CONCERNING THE ABOVE SAMPLE \*\*\*\*

ODOR - P2

SULFATE - Flag-MS and/or MSD recoveries outside control limits. However, LCS and/or LCSD within limits. Data reported.

CHLORIDE - Flag-MS and/or MSD recoveries outside control limits. However, LCS and/or LCSD within limits. Data reported.

Order #: L266086-2  
 Client: PBSWA-PALM BEACH SOLID WASTE AUT

Genapure  
 Report of Analysis for DEP  
 CENTRAL COUNTY TRANS

Diameter (inches): 2.0  
 Depth to Water (ft): 12.4  
 Total Depth (ft): 69.4  
 Top of Casing ('): NA  
 Evacuation (gallons) 30

Sheen:  
 Color: LtYellow  
 Odor: ND  
 Matrix: Groundwater

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility GMS #: NA  
 Test Site ID #: NA  
 Well Name: CTMW-4I  
 Classification of Groundwater: G-II  
 GW Elevation (NGVD): NA  
 or (MSL): NA

Sampling Date/Time: 08/11/09 12:01 PM  
 Report Period: 2009/Q3  
 Well Purge Vol (gal) Y  
 Well Type: C

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date/Time	Analysis Result/Units	Dilution	Detection Limit/Units
<b>Field Parameters</b>								
00010	TEMPERATURE CENTIGRADE	GRAB	N	170.1	08/11 12:01	27.2 Deg. C	1	0.10 Deg. C
00094	CONDUCTIVITY FIELD	GRAB	N	120.1	08/11 12:01	469 umhos/cm	1	0.10 umhos/cm
00406	PH FIELD	GRAB	N	150.1	08/11 12:01	6.91 units	1	0.10 units
82078	TURBIDITY, FIELD	GRAB	N	180.1	08/11 12:01	1.61 ntu	1	0.10 ntu
<b>Wet Chemistry</b>								
00410	TOTAL ALKALINITY AS CaCO3	GRAB	N	SM2320B	08/18 12:00	174. V mg/l	1	5.0 mg/l
00610	AMMONIA	GRAB	N	350.1	08/27 19:30	<0.050 mg/l	1	0.050 mg/l
00340	CHEMICAL OXYGEN DEMAND	GRAB	N	410.4	08/20 18:00	38.0 mg/l	1	10. mg/l
00940	CHLORIDE	GRAB	N	SM4500CL-E	08/28 14:01	26.9 mg/l	1	1.0 mg/l
00084	COLOR-LAB	GRAB	N	SM2120B	08/13 07:30	120 pcu	2	10. pcu
00745	TOTAL SULFIDE AS S	GRAB	N	SM4500S2-E	08/18 22:00	<1.0 mg/l	1	1.0 mg/l
038260	DETERGENTS MBAS	GRAB	N	SM5540C	08/12 17:00	<0.20 mg/l	1	0.20 mg/l
00620	NITRATE (AS N)	GRAB	N	300.0	08/13 09:16	<0.050 mg/l	1	0.050 mg/l
	ODOR	GRAB	N	140.1	08/12 07:30	<1.0 TON*	1	1.0 TON
00945	SULFATE	GRAB	N	300.0	08/13 09:16	15.9 V mg/l	1	0.50 mg/l
70300	TOTAL DISSOLVED SOLIDS	GRAB	N	SM2540C	08/18 19:50	261 mg/l	1.33	13. mg/l
00625	KJELDAHL NITROGEN	GRAB	N	351.2	08/19 18:32	1.19 mg/l*	1	0.40 mg/l
<b>Metals Analysis</b>								
1002	ARSENIC	GRAB	N	200.8	08/26 11:28	<0.0040 mg/l	1	0.0040 mg/l
01007	BARIUM	GRAB	N	3010/6010B	08/20 17:05	<0.010 mg/l	1	0.010 mg/l
01027	CADMIUM	GRAB	N	3010/6010B	08/20 17:05	<0.0020 mg/l	1	0.0020 mg/l
01034	CHROMIUM	GRAB	N	3010/6010B	08/20 17:05	<0.0050 mg/l	1	0.0050 mg/l
01042	COPPER	GRAB	N	3010/6010B	08/20 17:05	<0.0050 mg/l	1	0.0050 mg/l
01045	IRON	GRAB	N	3010/6010B	08/20 17:05	0.517 mg/l	1	0.10 mg/l
01051	LEAD	GRAB	N	3010/6010B	08/20 17:05	0.00447 mg/l	1	0.0040 mg/l
01147	SELENIUM	GRAB	N	3010/6010B	08/20 17:05	<0.010 mg/l	1	0.010 mg/l
00929	SODIUM	GRAB	N	3010/6010B	08/20 17:05	17.5 mg/l	1	0.50 mg/l
71900	MERCURY	GRAB	N	1311/7470	08/19 11:24	<0.00020 mg/l	1	0.00020 mg/l

Semivolatile Analysis  
TPH(C8-C40)

GRAB N

FLPRO

08/19 06:09 <0.65 mg/l

1

0.65 mg/l

\*\*\*\* NOTES CONCERNING THE ABOVE SAMPLE \*\*\*\*

ODOR - P2

KJELDAHL NITROGEN - Flag-MS and/or MSD recoveries outside control limits. However, LCS and/or LCSD within limits. Data reported.

Order #: L266086-3  
 Client: PBSWA-PALM BEACH SOLID WASTE AUT

Genapure  
 Report of Analysis for DEP  
 CENTRAL COUNTY TRANS

Diameter (inches): 2.0  
 Depth to Water (ft): 14.4  
 Total Depth (ft): 36.3  
 Top of Casing ('): NA  
 Evacuation (gallons): 21

Sheen:  
 Color: LtYellow  
 Odor: ND  
 Matrix: Groundwater

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility GMS #: NA  
 Test Site ID #: NA  
 Well Name: CTMW-3S  
 Classification of Groundwater: G-II  
 GW Elevation (NGVD): NA  
 or (MSL):

Sampling Date/Time: 08/11/09 01:10 PM  
 Report Period: 2009/Q3  
 Well Purge Vol (gal) Y  
 Well Type: C

Storet Code	Parameter Monitored	Sampl Meth	Field Filtr	Analysis Method	Analysis Date/Time	Analysis Result/Units	Dilution	Detection Limit/Units
<b>Field Parameters</b>								
00010	TEMPERATURE CENTIGRADE	GRAB	N	170.1	08/11 13:10	26.7 Deg. C	1	0.10 Deg. C
00094	CONDUCTIVITY FIELD	GRAB	N	120.1	08/11 13:10	216 umhos/cm	1	0.10 umhos/cm
00406	PH FIELD	GRAB	N	150.1	08/11 13:10	6.77 units	1	0.10 units
82078	TURBIDITY, FIELD	GRAB	N	180.1	08/11 13:10	1.93 ntu	1	0.10 ntu
<b>Wet Chemistry</b>								
00410	TOTAL ALKALINITY AS CaCO3	GRAB	N	SM2320B	08/18 12:00	52.0 V mg/l	1	5.0 mg/l
00610	AMMONIA	GRAB	N	350.1	08/27 19:30	<0.050 mg/l	1	0.050 mg/l
00340	CHEMICAL OXYGEN DEMAND	GRAB	N	410.4	08/20 18:00	<10. mg/l	1	10. mg/l
00940	CHLORIDE	GRAB	N	SM4500CL-E	08/28 14:01	16.1 mg/l	1	1.0 mg/l
00084	COLOR-LAB	GRAB	N	SM2120B	08/13 07:30	10.0 pcu	1	5.0 pcu
00745	TOTAL SULFIDE AS S	GRAB	N	SM4500S2-E	08/18 22:00	<1.0 mg/l	1	1.0 mg/l
038260	DETERGENTS MBAS	GRAB	N	SM5540C	08/12 17:00	<0.20 mg/l	1	0.20 mg/l
00620	NITRATE (AS N)	GRAB	N	300.0	08/13 09:16	1.43 mg/l	1	0.050 mg/l
	ODOR	GRAB	N	140.1	08/12 07:30	<1.0 TON*	1	1.0 TON
00945	SULFATE	GRAB	N	300.0	08/13 09:16	19.1 V mg/l	1	0.50 mg/l
70300	TOTAL DISSOLVED SOLIDS	GRAB	N	SM2540C	08/18 19:50	124 mg/l	1.33	13. mg/l
00625	KJELDAHL NITROGEN	GRAB	N	351.2	08/19 18:32	<0.40 mg/l	1	0.40 mg/l
<b>Metals Analysis</b>								
1002	ARSENIC	GRAB	N	200.8	08/26 12:44	<0.0040 mg/l	1	0.0040 mg/l
01007	BARIUM	GRAB	N	3010/6010B	08/20 17:11	0.0127 mg/l	1	0.010 mg/l
01027	CADMIUM	GRAB	N	3010/6010B	08/20 17:11	<0.0020 mg/l	1	0.0020 mg/l
01034	CHROMIUM	GRAB	N	3010/6010B	08/20 17:11	<0.0050 mg/l	1	0.0050 mg/l
01042	COPPER	GRAB	N	3010/6010B	08/20 17:11	<0.0050 mg/l	1	0.0050 mg/l
01045	IRON	GRAB	N	3010/6010B	08/20 17:11	<0.10 mg/l	1	0.10 mg/l
01051	LEAD	GRAB	N	3010/6010B	08/20 17:11	<0.0040 mg/l	1	0.0040 mg/l
01147	SELENIUM	GRAB	N	3010/6010B	08/20 17:11	<0.010 mg/l	1	0.010 mg/l
00929	SODIUM	GRAB	N	3010/6010B	08/20 17:11	8.96 mg/l	1	0.50 mg/l
71900	MERCURY	GRAB	N	1311/7470	08/19 11:26	<0.00020 mg/l	1	0.00020 mg/l

Semivolatile Analysis  
TPH(C8-C40)

GRAB N

FLPRO

08/19 06:46 <0.65 mg/l

1

0.65 mg/l

\*\*\*\* NOTES CONCERNING THE ABOVE SAMPLE \*\*\*\*

ODOR - P2

Order #: L266086-4  
 Client: PBSWA-PALM BEACH SOLID WASTE AUT

Genapure  
 Report of Analysis for DEP  
 CENTRAL COUNTY TRANS

Diameter (inches): 2.0  
 Depth to Water (ft): 14.4  
 Total Depth (ft): 72.5  
 Top of Casing ('): NA  
 Evacuation (gallons) 31

Sheen:  
 Color: LtYellow  
 Odor: ND  
 Matrix: Groundwater

PARAMETER MONITORING REPORT

Part III: Analytical Results  
 Facility GMS #: NA  
 Test Site ID #: NA  
 Well Name: CTMW-3I  
 Classification of Groundwater: G-II  
 GW Elevation (NGVD): NA  
 or (MSL): NA

Sampling Date/Time: 08/11/09 01:04 PM  
 Report Period: 2009/Q3  
 Well Purge Vol (gal) Y  
 Well Type: C

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date/Time	Analysis Result/Units	Dilution	Detection Limit/Units
<b>Field Parameters</b>								
00010	TEMPERATURE CENTIGRADE	GRAB	N	170.1	08/11 13:04	26 Deg. C	1	0.10 Deg. C
00094	CONDUCTIVITY FIELD	GRAB	N	120.1	08/11 13:04	483 umhos/cm	1	0.10 umhos/cm
00406	PH FIELD	GRAB	N	150.1	08/11 13:04	6.90 units	1	0.10 units
82078	TURBIDITY, FIELD	GRAB	N	180.1	08/11 13:04	1.10 ntu	1	0.10 ntu
<b>Wet Chemistry</b>								
00410	TOTAL ALKALINITY AS CaCO3	GRAB	N	SM2320B	08/18 12:00	138. V mg/l	1	5.0 mg/l
00610	AMMONIA	GRAB	N	350.1	08/27 19:30	0.330 V mg/l	1	0.050 mg/l
00340	CHEMICAL OXYGEN DEMAND	GRAB	N	410.4	08/20 18:00	66.0 mg/l	1	10. mg/l
00940	CHLORIDE	GRAB	N	SM4500CL-E	08/28 14:01	25.1 mg/l	1	1.0 mg/l
00084	COLOR-LAB	GRAB	N	SM2120B	08/13 07:30	30.0 pcu	1	5.0 pcu
00745	TOTAL SULFIDE AS S	GRAB	N	SM4500S2-E	08/18 22:00	<1.0 mg/l	1	1.0 mg/l
038260	DETERGENTS MBAS	GRAB	N	SM5540C	08/12 17:00	<0.20 mg/l	1	0.20 mg/l
00620	NITRATE (AS N)	GRAB	N	300.0	08/13 09:16	<0.050 mg/l	1	0.050 mg/l
	ODOR	GRAB	N	140.1	08/12 07:30	<1.0 TON*	1	1.0 TON
00945	SULFATE	GRAB	N	300.0	08/13 09:16	63.2 V mg/l	1	0.50 mg/l
70300	TOTAL DISSOLVED SOLIDS	GRAB	N	SM2540C	08/18 19:50	303 mg/l	1.33	13. mg/l
00625	KJELDAHL NITROGEN	GRAB	N	351.2	08/19 18:32	1.20 mg/l	1	0.40 mg/l
<b>Metals Analysis</b>								
1002	ARSENIC	GRAB	N	200.8	08/26 12:52	<0.0040 mg/l	1	0.0040 mg/l
01007	BARIUM	GRAB	N	3010/6010B	08/20 17:17	0.0117 mg/l	1	0.010 mg/l
01027	CADMIUM	GRAB	N	3010/6010B	08/20 17:17	<0.0020 mg/l	1	0.0020 mg/l
01034	CHROMIUM	GRAB	N	3010/6010B	08/20 17:17	<0.0050 mg/l	1	0.0050 mg/l
01042	COPPER	GRAB	N	3010/6010B	08/20 17:17	<0.0050 mg/l	1	0.0050 mg/l
01045	IRON	GRAB	N	3010/6010B	08/20 17:17	0.792 mg/l	1	0.10 mg/l
01051	LEAD	GRAB	N	3010/6010B	08/20 17:17	<0.0040 mg/l	1	0.0040 mg/l
01147	SELENIUM	GRAB	N	3010/6010B	08/20 17:17	<0.010 mg/l	1	0.010 mg/l
00929	SODIUM	GRAB	N	3010/6010B	08/20 17:17	11.6 mg/l	1	0.50 mg/l
71900	MERCURY	GRAB	N	1311/7470	08/19 11:28	<0.00020 mg/l	1	0.00020 mg/l



Semivolatile Analysis  
TPH(C8-C40)

GRAB N

FLPRO

08/19 07:23 <0.65 mg/l

1

0.65 mg/l

\*\*\*\* NOTES CONCERNING THE ABOVE SAMPLE \*\*\*\*

ODOR - P2

Order #: L266086-5  
 Client: PBSWA-PALM BEACH SOLID WASTE AUT

Genapure  
 Report of Analysis for DEP  
 CENTRAL COUNTY TRANS

Diameter ( ): NA  
 Depth to Water ( ): NA  
 Total Depth ( ): NA  
 Top of Casing ( ): NA  
 Evacuation ( ): NA

Sheen:  
 Color:  
 Odor:  
 Matrix: DI Water

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility GMS #: NA  
 Test Site ID #: NA  
 Well Name: METALS BLANK  
 Classification of Groundwater: G-N  
 GW Elevation (NGVD): NA  
 or (MSL):

Sampling Date/Time: 08/11/09 00:00 AM  
 Report Period: 2009/Q3  
 Well Purge Vol (gal) N  
 Well Type: N

Storet Code	Parameter Monitored	Samp Meth	Field Filtr	Analysis Method	Analysis Date/Time	Analysis Result/Units	Dilution	Detection Limit/Units
Metals Analysis								
	1002 ARSENIC	GRAB	N	200.8	08/26 10:48	<0.0040 mg/l	1	0.0040 mg/l
	01007 BARIUM	GRAB	N	3010/6010B	08/20 17:35	<0.010 mg/l	1	0.010 mg/l
	01027 CADMIUM	GRAB	N	3010/6010B	08/20 17:35	<0.0020 mg/l	1	0.0020 mg/l
	01034 CHROMIUM	GRAB	N	3010/6010B	08/20 17:35	<0.0050 mg/l	1	0.0050 mg/l
	01042 COPPER	GRAB	N	3010/6010B	08/20 17:35	<0.0050 mg/l	1	0.0050 mg/l
	01051 LEAD	GRAB	N	200.8	08/26 10:48	<0.0040 mg/l	1	0.0040 mg/l
	01147 SELENIUM	GRAB	N	3010/6010B	08/20 17:35	<0.010 mg/l	1	0.010 mg/l
	00929 SODIUM	GRAB	N	3010/6010B	08/20 17:35	<0.50 mg/l	1	0.50 mg/l
	71900 MERCURY	GRAB	N	1311/7470	08/19 11:34	<0.00020 mg/l	1	0.00020 mg/l



3231 NW 7th Ave., Boca Raton, FL 33431  
www.genapure.com

1266086 CHAIN OF CUSTODY RECORD  
Log# ~~80~~ #S \_\_\_\_\_ Quote: \_\_\_\_\_  
Page 1 of 2

LAB ANALYSIS

Company Name: PA SWA PO# \_\_\_\_\_  
Address: 7501 N. Tas Rd  
City: WPB State: FL Zip: 33412  
Attn: Thomas Siron Fax: 670-3440  
email: \_\_\_\_\_  
Project: Central City Transfer  
Site: Shelton Woods  
Name: M. H. I. VAREZ PO# \_\_\_\_\_  
Signature: R. DOWNER Phone: 640-4000

Sample	TRC	pH	Pres Codes
Parameters			
See page 4 of 32 of letter dated 6/29/09			
Metals			
MBAS 003			
ODOR			
Cl SOL AAK Sugar			
TDS Sulfide			
AHS COD			
TRPH			

EXAMPLE  
Diss. 6RCRA 6010

I.C.	Sample Label (Client ID)	Collect Date	Collect Time	Matrix Code	Field Filtered (Y/N)	Total # of Containers	Parameters	# of Containers Size/Type	REMARKS
1	CTMW-4S	8/11/09	11:48	GW		7		7	Soaked shoes for lead parameters
2	CTMW-4I &	8/11/09	12:01	GW		7		7	
3	CTMW-3S	8/11/09	18:10	GW		7		7	
4	CTMW-3I	8/11/09	18:04	GW		7		7	
5									
6									
7									
8									
9	Metals	8/11/09				2	No change	2	Temp bottles
0									

Container Type Codes:  
 AV Amber Vial, CV Clear Vial, P Plastic, AL Amber Litr, CL Clear Litr, AP Amber Plastic, AG Amber Glass, OR Other

Matrix Codes:  
 SD Solid Waste, SO Soil, SE Sediment, OL Oil, PE Petroleum, NA Nonpetroleum, ML Misc. Liquid, GW Ground Water, INF Effluent

Pres/Codes:  
 A None, B HNO3, C H2SO4, D NaOH, E HCL, F MeOH, G Na2S2O3, H NaHSO4, I Ice, J MCAA, K to acetate, L, MCAA, N to acetate, O Other

Lab Use Only:  
 Sample INTRACT upon arrival?   
 Received on Vial lot? Temp Proper Preservatives Indicated?   
 Received within holding time?   
 Custody state intact?   
 Vial/leak rec'd without headspace?   
 Proper Containers Used?

ORIGINAL

**CENTRAL COUNTY TRANSFER STATION MONITORING WELLS**

8 Monitor Wells:

(CTMW-1S, CTMW-1I) (CTMW-2S, CTW-2I) (CTMW-3S, CTMW-3I) (CTMW-4S, CTMW-4I)

1 Field Duplicate (CTSFD-)

1 Field Blank (CTSFB-)\* Optional

**Parameters (Matrix Groundwater)**

**A. METALS**

Arsenic	Chromium	Lead	Sodium
Barium	Copper	Mercury	Selenium
Cadmium	Iron		

**B. INDICATOR PARAMETERS**

Ammonia Nitrogen	Foaming Agents (MBAS)	Nitrate N
Total Alkalinity	Hydrogen Sulfide	Odor
C.O.D.	TKN (Total Kjehdahl Nitrogen)	Sulfate
Color	TDS (Total Dissolved Solids)	
Chloride	TRPH (Total Recoverable Petroleum Hydrocarbons)	

**C. FIELD PARAMETERS**

Conductivity (field)  
pH (field)  
Temperature (field)  
Turbidity (field)

**WELL INFORMATION (field)**

Well Diameter  
Well Depth  
Well Casing Elevation  
Depth to Water  
Water Table Elevation  
Volume Evacuated

2062  
COCH

19690 J

## Solid Waste Authority of Palm Beach County GROUNDWATER SAMPLING LOG

SITE NAME: <b>Central County Transfer Station</b>		Facility GMS#:	DATE: <b>8-11-09</b>
WELL NO: <b>CTMW-4S</b>	Well Type: <b>Compliance</b>	Well Location: <b>Park on Hillside Drive</b>	SITE LOCATION: <b>1810 Lantana Road, Lantana, FL</b>

### PURGING DATA

Top of Casing Elevation(ft):	Static Depth To Water (ft): <b>12.27</b>	Water Table Elevation NGVD (ft):	Column Height (ft): <b>20.18</b>	Total Well Depth (ft): <b>32.45'</b>					
WELLDIAMETER (in): <b>2" PVC</b>	1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = <b>4</b>			<b>GALLONS</b>					
WELL CAPACITY (gal/ft): <b>0.16</b>	= (32.45' - <b>12.27 = 20.18</b> ) X 0.16 = <b>3.23</b>								
PURGE METHOD: <b>Redi-flo</b>		PURGE INITIATED AT: <b>11:31</b>	PURGE ENDED AT: <b>11:46</b>	TOTAL VOL PURGED (gal): <b>16</b>					
WELL VOLS. Purged	Volume Purged (gal)	CUMUL. VOL. Purged (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)
1	4	4	1.1	12.43	6.31	26.5	559	.90	10.7
1	4	8	1.1	12.44	6.50	26.9	571	.78	7.84
1	4	12	1.1	12.44	6.47	27.0	588	.71	4.09
1	4	16	1.1	12.42	6.55	26.9	560	.83	2.79
				ORP	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)
<b>FINAL FIELD VALUES →</b>					6.55	26.9	560	—	2.79
Color:	Odor:	Sheen:	Comments						
<i>Yellow</i>	<i>None</i>	<i>none</i>							
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									

### SAMPLING DATA

SAMPLING METHOD(S): <b>Redi-flo Pump</b>	SAMPLING INITIATED AT: <b>11:48</b>	SAMPLING ENDED AT: <b>11:53</b>	Weather: <b>Sunny hot humid</b>			
FIELD DECONTAMINATION: <b>No</b>	FIELD-FILTERED: <b>No</b>	DUPLICATE: Y <input type="radio"/> N <input checked="" type="radio"/>				
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD		
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED		TOTAL VOLUME ADDED IN FIELD (mL)	FINAL pH
1	HDPE	1-LITER	HNO3			Metals
2	HDPE		H2SO4		<b>2.0</b>	Ammonia
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDPE = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)						
SAMPLED BY (PRINT): <b>B Downey M Alvarez</b>				SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>		

## Solid Waste Authority of Palm Beach County GROUNDWATER SAMPLING LOG

SITE NAME: <b>Central County Transfer Station</b>		Facility GMS#:	DATE: <b>8-11-09</b>
WELL NO: <b>CTMW-4I</b>	Well Type: <b>Compliance</b>	Well Location: <b>Park on Hillside Drive</b>	SITE LOCATION: <b>1810 Lantana Road, Lantana, FI</b>

### PURGING DATA

Top of Casing Elevation(ft):	Static Depth To Water (ft):	Water Table Elevation NGVD (ft):	Column Height (ft): <b>57</b>	Total Well Depth (ft): <b>69.42'</b>					
WELLDIAMETER (in): <b>2" PVC</b>		1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = <b>10</b>							
WELL CAPACITY (gal/ft): <b>0.16</b>		= ( <b>69.42' - 12.42 = 57</b> ) X <b>0.16</b> = <b>9.12</b> GALLONS							
PURGE METHOD: <b>Redi-flo</b>		PURGE INITIATED AT: <b>11:32</b>	PURGE ENDED AT: <b>12:00</b>	TOTAL VOL. PURGED (gal): <b>30</b>					
WELL VOLS. Purged	Volume Purged (gal)	CUMUL. VOL. Purged (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)
1	10	10	1.1	12.85	6.71	27.2	467	1.30	2.85
1	10	20	1.1	12.90	6.83	27.0	468	1.41	1.01
1	10	30	1.1	12.90	6.91	27.2	469	1.33	1.61
<b>FINAL FIELD VALUES →</b>				ORP	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)
					6.91	27.2	469	—	1.61
Color: <b>lt. yellow</b>	Odor: <b>None</b>	Sheen: <b>None</b>	Comments						
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									

### SAMPLING DATA

SAMPLING METHOD(S): <b>Redi-flo Pump</b>	SAMPLING INITIATED AT: <b>12:01</b>	SAMPLING ENDED AT: <b>12:06</b>	Weather: <b>Sunny hot humid</b>			
FIELD DECONTAMINATION: <b>No</b>	FIELD-FILTERED: <b>No</b>	DUPLICATE: <b>Y</b> <b>N</b>				
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (mL)		FINAL pH
1	HDPE	1-LITER	HNO3			Metals
2	HDPE		H2SO4		<b>2.0</b>	Ammonia
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDPE = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)						
SAMPLED BY (PRINT): <b>Bl Downey M Alvarez</b>			SAMPLER(S) SIGNATURE(S): <b>Bl Downey M Alvarez</b>			

## Solid Waste Authority of Palm Beach County GROUNDWATER SAMPLING LOG

SITE NAME: <b>Central County Transfer Station</b>		Facility GMS#:	DATE: <b>8/11/09</b>
WELL NO: <b>CTMW- 3S</b>	Well Type: <b>Compliance</b>	Well Location: <b>South of retention Pond</b>	SITE LOCATION: <b>1810 Lantana Road, Lantana, FI</b>

### PURGING DATA

Top of Casing Elevation(ft):	Static Depth To Water (ft): <b>14.40</b>	Water Table Elevation NGVD (ft):	Column Height (ft): <b>21.9</b>	Total Well Depth (ft): <b>36.30'</b>					
WELLDIAMETER (in): <b>2" PVC</b>		1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = <b>4</b>							
WELL CAPACITY (gal/ft): <b>0.16</b>	= ( 36.30 - <b>14.40</b> ) X 0.16 = <b>3.50</b>			<b>GALLONS</b>					
PURGE METHOD: <b>Redi-flo</b>		PURGE INITIATED AT: <b>12:33</b>	PURGE ENDED AT: <b>13:08</b>	TOTAL VOL. PURGED (gal): <b>21</b>					
WELL VOLS. Purged	Volume Purged (gal)	CUMUL. VOL. Purged (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)
1	4	4	1.60	14.60	6.28	27.1	213	.91	118
1	4	8	1.60	14.60	6.45	27.1	207	1.10	488
1	4	12	1.60	14.60	6.57	26.9	214	.79	8.08
1	4	16	1.60	14.60	<del>6.50</del> 6.71	26.9	214	1.75	3.05
1	4	20	1.60	14.60	6.77	26.7	216	0.88	1.93
<b>FINAL FIELD VALUES →</b>				ORP	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)
					6.77	26.7	216	—	1.93
Color:	Odor:	Sheen:	Comments						
<i>H. yellow</i>	<i>none</i>	<i>none</i>							
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									

### SAMPLING DATA

SAMPLING METHOD(S): <b>Redi-flo Pump</b>	SAMPLING INITIATED AT: <b>13:10</b>	SAMPLING ENDED AT: <b>13:15</b>	Weather: <b>Sunny hot humid</b>			
FIELD DECONTAMINATION: <b>No</b>	FIELD-FILTERED: <b>No</b>	DUPLICATE: <b>Y</b> <input checked="" type="radio"/> <b>N</b> <input type="radio"/>				
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD		
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED		TOTAL VOLUME ADDED IN FIELD (mL)	FINAL pH
1	HDPE	1- LITER	HNO3			
2	HDPE		H2SO4	<b>20</b>		
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDPE = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)						
SAMPLED BY (PRINT): <b>B. Downing M. Alvarez</b>			SAMPLER(S) SIGNATURE(S): <b>Brenda Lynn Mann Alvarez</b>			

## Solid Waste Authority of Palm Beach County GROUNDWATER SAMPLING LOG

SITE NAME: <b>Central County Transfer Station</b>		Facility GMS#:	DATE: <b>8-11-85</b>
WELL NO: <b>CTMW-3E</b>	Well Type: <b>Compliance</b>	Well Location: <b>South of retention Pond</b>	SITE LOCATION: <b>1810 Lantana Road, Lantana, Fl</b>

### PVC PURGING DATA

Top of Casing Elevation (ft):	Static Depth To Water (ft): <b>14.4</b>	Water Table Elevation NGVD (ft):	Column Height (ft): <b>58.06</b>	Total Well Depth (ft): <b>72.46'</b>					
WELLDIAMETER (in): <b>2" PVC</b>	1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = <b>6</b>			<b>GALLONS</b>					
WELL CAPACITY (gal/ft): <b>0.16</b>	= (72.46' - <b>14.4</b> <b>258.06</b> ) X 0.16 = <b>9.29</b>								
PURGE METHOD: <b>Redi-flo</b>		PURGE INITIATED AT: <b>12:32</b>	PURGE ENDED AT: <b>13:03</b>	TOTAL VOL. PURGED (gal): <b>31</b>					
WELL VOLS. Purged	Volume Purged (gal)	CUMUL. VOL. Purged (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)
1	10	10	1.0	14.60	6.70	26.2	485	.69	7.47
1	10	20	1.0	14.60	6.82	26.0	484	.71	1.50
1	10	30	1.0	14.65	6.90	26.0	483	.79	1.10
				ORP	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)
<b>FINAL FIELD VALUES →</b>					<b>6.90</b>	<b>26.0</b>	<b>483</b>	—	<b>1.10</b>
Color:	Odor:	Sheen:	Comments						
<b>High Low</b>	<b>None</b>	<b>None</b>							
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									

### SAMPLING DATA

SAMPLING METHOD(S): <b>Redi-flo Pump</b>	SAMPLING INITIATED AT: <b>12:04</b>	SAMPLING ENDED AT: <b>13:09</b>	Weather: <b>Sunny hot humid</b>			
FIELD DECONTAMINATION: <b>No</b>	FIELD-FILTERED: <b>No</b>	DUPLICATE: <b>Y</b> <input checked="" type="checkbox"/>	<b>N</b> <input type="checkbox"/>			
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION		INTENDED ANALYSIS AND/OR METHOD		
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED		TOTAL VOLUME ADDED IN FIELD (mL)	FINAL pH
1	HDPE	1-LITER	HNO3			Metals
2	HDPE		H2SO4		<b>2.0</b>	Ammonia
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDPE = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)						
SAMPLED BY (PRINT) <b>B Downey M Alvarez</b>				SAMPLER(S) SIGNATURE(S) <b>Brenda Perry, Ramon Alvarez</b>		