



REPORT OF ANALYSIS

Printed: 08/30/09 02:37pm

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SEP 14 2009

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

Log #: L266087
Report Period: 2009/Q3

OK

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

Laboratory Sample #	Client Sample #
L266087-1	CTMW-2S
L266087-2	CTMW-2I
L266087-3	CTMW-1S
L266087-4	CTMW-1I
L266087-5	CTSFD-081209
L266087-6	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 #: L266087-1
 Client: PBSWA-PALM BEACH SOLID WASTE AUT

Genapure
 Report of Analysis for DEP
 CENTRAL COUNTY TRANS

Diameter (inches): 2.0
 Depth to Water (ft): 13.4
 Total Depth (ft): 37.3
 Top of Casing ('): NA
 Evacuation (gallons) 13

Sheen:
 Color: LtYellow
 Odor: ND
 Matrix: Groundwater

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility GMS #: NA
 Test Site ID #: NA
 Well Name: CTMW-2S
 Classification of Groundwater: G-II
 GW Elevation (NGVD): NA
 or (MSL): NA

Sampling Date/Time: 08/12/09 10:40 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
Field Parameters								
00010	TEMPERATURE CENTIGRADE	GRAB	N	170.1	08/12 10:40	26 Deg. C	1	0.10 Deg. C
00094	CONDUCTIVITY FIELD	GRAB	N	120.1	08/12 10:40	472 umhos/cm	1	0.10 umhos/cm
00406	PH FIELD	GRAB	N	150.1	08/12 10:40	6.79 units	1	0.10 units
82078	TURBIDITY, FIELD	GRAB	N	180.1	08/12 10:40	7.24 ntu	1	0.10 ntu
Wet Chemistry								
00410	TOTAL ALKALINITY AS CaCO3	GRAB	N	SM2320B	08/18 12:00	162. V mg/l	1	5.0 mg/l
00610	AMMONIA	GRAB	N	350.1	08/27 19:30	0.219 V mg/l	1	0.050 mg/l
00340	CHEMICAL OXYGEN DEMAND	GRAB	N	410.4	08/20 18:00	17.0 mg/l	1	10. mg/l
00940	CHLORIDE	GRAB	N	SM4500CL-E	08/27 15:48	31.5 mg/l	1	1.0 mg/l
00084	COLOR-LAB	GRAB	N	SM2120B	08/13 14:10	100 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	08/13 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	08/13 07:30	<1.0 TON*	1	1.0 TON
00945	SULFATE	GRAB	N	300.0	08/13 09:16	30.6 V mg/l	1	0.50 mg/l
70300	TOTAL DISSOLVED SOLIDS	GRAB	N	SM2540C	08/18 19:50	317 mg/l	1.33	13. mg/l
00625	KJELDAHL NITROGEN	GRAB	N	351.2	08/19 18:32	0.549 mg/l	1	0.40 mg/l
Metals Analysis								
1002	ARSENIC	GRAB	N	200.8	08/26 13:00	<0.0040 mg/l	1	0.0040 mg/l
01007	BARIUM	GRAB	N	3010/6010B	08/20 17:41	0.0158 mg/l	1	0.010 mg/l
01027	CADMIUM	GRAB	N	3010/6010B	08/20 17:41	<0.0020 mg/l	1	0.0020 mg/l
01034	CHROMIUM	GRAB	N	3010/6010B	08/20 17:41	<0.0050 mg/l	1	0.0050 mg/l
01042	COPPER	GRAB	N	3010/6010B	08/20 17:41	<0.0050 mg/l	1	0.0050 mg/l
01045	IRON	GRAB	N	3010/6010B	08/20 17:41	1.83 mg/l	1	0.10 mg/l
01051	LEAD	GRAB	N	200.8	08/26 13:00	<0.0040 mg/l	1	0.0040 mg/l
01147	SELENIUM	GRAB	N	3010/6010B	08/20 17:41	<0.010 mg/l	1	0.010 mg/l
00929	SODIUM	GRAB	N	3010/6010B	08/20 17:41	17.4 mg/l	1	0.50 mg/l
71900	MERCURY	GRAB	N	1311/7470	08/19 11:36	<0.00020 mg/l	1	0.00020 mg/l

Semivolatile Analysis
TPH(C8-C40)

GRAB N

FLPRO

08/19 09:23 <0.65 mg/l

1

0.65 mg/l

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

ODOR - P3

Order #: L266087-2
 Client: PBSWA-PALM BEACH SOLID WASTE AUT

Genapure
 Report of Analysis for DEP
 CENTRAL COUNTY TRANS

Diameter (inches): 2.0
 Depth to Water (ft): 13.4
 Total Depth (ft): 72.7
 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-2I
 Classification of Groundwater: G-II
 GW Elevation (NGVD): NA
 or (MSL): NA

Sampling Date/Time: 08/12/09 10:56 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
Field Parameters								
00010	TEMPERATURE CENTIGRADE	GRAB	N	170.1	08/12 10:56	25.8 Deg. C	1	0.10 Deg. C
00094	CONDUCTIVITY FIELD	GRAB	N	120.1	08/12 10:56	420 umhos/cm	1	0.10 umhos/cm
00406	PH FIELD	GRAB	N	150.1	08/12 10:56	6.99 units	1	0.10 units
82078	TURBIDITY, FIELD	GRAB	N	180.1	08/12 10:56	1.29 ntu	1	0.10 ntu
Wet Chemistry								
00410	TOTAL ALKALINITY AS CaCO3	GRAB	N	SM2320B	08/18 12:00	152. 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	16.0 mg/l	1	10. mg/l
00940	CHLORIDE	GRAB	N	SM4500CL-E	08/27 15:48	26.1 mg/l	1	1.0 mg/l
00084	COLOR-LAB	GRAB	N	SM2120B	08/13 14:10	60.0 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	08/13 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	08/13 07:30	<1.0 TON*	1	1.0 TON
00945	SULFATE	GRAB	N	300.0	08/13 09:16	22.5 V mg/l	1	0.50 mg/l
70300	TOTAL DISSOLVED SOLIDS	GRAB	N	SM2540C	08/18 19:50	221 mg/l	1.33	13. mg/l
00625	KJELDAHL NITROGEN	GRAB	N	351.2	08/19 18:32	0.742 mg/l	1	0.40 mg/l
Metals Analysis								
1002	ARSENIC	GRAB	N	200.8	08/26 13:08	<0.0040 mg/l	1	0.0040 mg/l
01007	BARIUM	GRAB	N	3010/6010B	08/20 17:46	0.0108 mg/l	1	0.010 mg/l
01027	CADMIUM	GRAB	N	3010/6010B	08/20 17:46	<0.0020 mg/l	1	0.0020 mg/l
01034	CHROMIUM	GRAB	N	3010/6010B	08/20 17:46	<0.0050 mg/l	1	0.0050 mg/l
01042	COPPER	GRAB	N	3010/6010B	08/20 17:46	<0.0050 mg/l	1	0.0050 mg/l
01045	IRON	GRAB	N	3010/6010B	08/20 17:46	0.932 mg/l	1	0.10 mg/l
01051	LEAD	GRAB	N	200.8	08/26 13:08	<0.0040 mg/l	1	0.0040 mg/l
01147	SELENIUM	GRAB	N	3010/6010B	08/20 17:46	<0.010 mg/l	1	0.010 mg/l
00929	SODIUM	GRAB	N	3010/6010B	08/20 17:46	10.7 mg/l	1	0.50 mg/l
71900	MERCURY	GRAB	N	1311/7470	08/19 11:39	<0.00020 mg/l	1	0.00020 mg/l

Semivolatile Analysis
TPH(C8-C40)

GRAB N

FLPRO

08/19 02:28 <0.65 mg/l

1

0.65 mg/l

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

ODOR - P3

Order #: L266087-3
 Client: PBSWA-PALM BEACH SOLID WASTE AUT

Genapure
 Report of Analysis for DEP
 CENTRAL COUNTY TRANS

Diameter (inches): 2.0
 Depth to Water (ft): 13.2
 Total Depth (ft): 36.6
 Top of Casing ('): NA
 Evacuation (gallons) 12

Sheen:
 Color: LtYellow
 Odor: ND
 Matrix: Groundwater

PARAMETER MONITORING REPORT

Part III: Analytical Results
 Facility GMS #: NA
 Test Site ID #: NA
 Well Name: CTMW-1S
 Classification of Groundwater: G-II
 GW Elevation (NGVD): NA
 or (MSL):

Sampling Date/Time: 08/12/09 11:35 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
Field Parameters								
00010	TEMPERATURE CENTIGRADE	GRAB	N	170.1	08/12 11:35	26.7 Deg. C	1	0.10 Deg. C
00094	CONDUCTIVITY FIELD	GRAB	N	120.1	08/12 11:35	443 umhos/cm	1	0.10 umhos/cm
00406	PH FIELD	GRAB	N	150.1	08/12 11:35	6.80 units	1	0.10 units
82078	TURBIDITY, FIELD	GRAB	N	180.1	08/12 11:35	0.58 ntu	1	0.10 ntu
Wet Chemistry								
00410	TOTAL ALKALINITY AS CaCO3	GRAB	N	SM2320B	08/18 12:00	102. V mg/l	1	5.0 mg/l
00610	AMMONIA	GRAB	N	350.1	08/27 19:30	0.121 V 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	08/27 15:48	28.0 mg/l	1	1.0 mg/l
00084	COLOR-LAB	GRAB	N	SM2120B	08/13 14:10	60.0 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	08/13 17:00	<0.20 mg/l	1	0.20 mg/l
00620	NITRATE (AS N)	GRAB	N	300.0	08/13 09:16	0.515 mg/l	1	0.050 mg/l
	ODOR	GRAB	N	140.1	08/13 07:30	<1.0 TON*	1	1.0 TON
00945	SULFATE	GRAB	N	300.0	08/13 09:16	72.0 V mg/l	1	0.50 mg/l
70300	TOTAL DISSOLVED SOLIDS	GRAB	N	SM2540C	08/18 19:50	228 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
Metals Analysis								
1002	ARSENIC	GRAB	N	200.8	08/26 13:16	<0.0040 mg/l	1	0.0040 mg/l
01007	BARIUM	GRAB	N	3010/6010B	08/20 17:52	0.0545 mg/l	1	0.010 mg/l
01027	CADMIUM	GRAB	N	3010/6010B	08/20 17:52	<0.0020 mg/l	1	0.0020 mg/l
01034	CHROMIUM	GRAB	N	3010/6010B	08/20 17:52	<0.0050 mg/l	1	0.0050 mg/l
01042	COPPER	GRAB	N	3010/6010B	08/20 17:52	<0.0050 mg/l	1	0.0050 mg/l
01045	IRON	GRAB	N	3010/6010B	08/20 17:52	0.525 mg/l	1	0.10 mg/l
01051	LEAD	GRAB	N	200.8	08/26 13:16	<0.0040 mg/l	1	0.0040 mg/l
01147	SELENIUM	GRAB	N	3010/6010B	08/20 17:52	<0.010 mg/l	1	0.010 mg/l
00929	SODIUM	GRAB	N	3010/6010B	08/20 17:52	18.6 mg/l	1	0.50 mg/l
71900	MERCURY	GRAB	N	1311/7470	08/19 11:41	<0.00020 mg/l	1	0.00020 mg/l

Semivolatile Analysis
TPH(C8-C40)

GRAB N

FLPRO

08/19 03:05 <0.65 mg/l

1

0.65 mg/l

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

ODOR - P3

Order #: L266087-4
 Client: PBSWA-PALM BEACH SOLID WASTE AUT

Genapure
 Report of Analysis for DEP
 CENTRAL COUNTY TRANS

Diameter (inches): 2.0
 Depth to Water (ft): 13.5
 Total Depth (ft): 69.3
 Top of Casing ('): NA
 Evacuation (gallons) 28

Sheen:
 Color: LtYellow
 Odor: ND
 Matrix: Groundwater

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility GMS #: NA
 Test Site ID #: NA
 Well Name: CTMW-11
 Classification of Groundwater: G-II
 GW Elevation (NGVD): NA
 or (MSL): NA

Sampling Date/Time: 08/12/09 11:44 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
Field Parameters								
00010	TEMPERATURE CENTIGRADE	GRAB	N	170.1	08/12 11:44	26.5 Deg. C	1	0.10 Deg. C
00094	CONDUCTIVITY FIELD	GRAB	N	120.1	08/12 11:44	393 umhos/cm	1	0.10 umhos/cm
00406	PH FIELD	GRAB	N	150.1	08/12 11:44	7.04 units	1	0.10 units
82078	TURBIDITY, FIELD	GRAB	N	180.1	08/12 11:44	1.11 ntu	1	0.10 ntu
Wet Chemistry								
00410	TOTAL ALKALINITY AS CaCO3	GRAB	N	SM2320B	08/18 12:00	152. V mg/l	1	5.0 mg/l
00610	AMMONIA	GRAB	N	350.1	08/27 19:30	0.182 V mg/l	1	0.050 mg/l
00340	CHEMICAL OXYGEN DEMAND	GRAB	N	410.4	08/20 18:00	36.0 mg/l	1	10. mg/l
00940	CHLORIDE	GRAB	N	SM4500CL-E	08/27 15:48	16.2 mg/l	1	1.0 mg/l
00084	COLOR-LAB	GRAB	N	SM2120B	08/13 14:10	60.0 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	08/13 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	08/13 07:30	<1.0 TON*	1	1.0 TON
00945	SULFATE	GRAB	N	300.0	08/13 09:16	21.5 V mg/l	1	0.50 mg/l
70300	TOTAL DISSOLVED SOLIDS	GRAB	N	SM2540C	08/18 19:50	200 mg/l	1.33	13. mg/l
00625	KJELDAHL NITROGEN	GRAB	N	351.2	08/19 18:32	0.772 mg/l	1	0.40 mg/l
Metals Analysis								
1002	ARSENIC	GRAB	N	200.8	08/26 13:41	<0.0040 mg/l	1	0.0040 mg/l
01007	BARIUM	GRAB	N	3010/6010B	08/20 17:58	0.0125 mg/l	1	0.010 mg/l
01027	CADMIUM	GRAB	N	3010/6010B	08/20 17:58	<0.0020 mg/l	1	0.0020 mg/l
01034	CHROMIUM	GRAB	N	3010/6010B	08/20 17:58	<0.0050 mg/l	1	0.0050 mg/l
01042	COPPER	GRAB	N	3010/6010B	08/20 17:58	<0.0050 mg/l	1	0.0050 mg/l
01045	IRON	GRAB	N	3010/6010B	08/20 17:58	0.719 mg/l	1	0.10 mg/l
01051	LEAD	GRAB	N	200.8	08/26 13:41	<0.0040 mg/l	1	0.0040 mg/l
01147	SELENIUM	GRAB	N	3010/6010B	08/20 17:58	<0.010 mg/l	1	0.010 mg/l
00929	SODIUM	GRAB	N	3010/6010B	08/20 17:58	11.5 mg/l	1	0.50 mg/l
71900	MERCURY	GRAB	N	1311/7470	08/19 11:43	<0.00020 mg/l	1	0.00020 mg/l

Semivolatile Analysis
TPH(C8-C40)

GRAB N

FLPRO

08/19 03:52 <0.65 mg/l

1

0.65 mg/l

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

ODOR - P3

Order #: L266087-5
 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: ND
 Matrix: Groundwater

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility GMS #: NA
 Test Site ID #: NA
 Well Name: CTSFD-081209
 Classification of Groundwater: G-II
 GW Elevation (NGVD): NA
 or (MSL): NA

Sampling Date/Time: 08/12/09 00:00 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
Wet Chemistry								
00410	TOTAL ALKALINITY AS CaCO3	GRAB	N	SM2320B	08/18 12:00	152. 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	36.0 mg/l	1	10. mg/l
00940	CHLORIDE	GRAB	N	SM4500CL-E	08/27 15:48	26.1 mg/l	1	1.0 mg/l
00084	COLOR-LAB	GRAB	N	SM2120B	08/13 14:10	60.0 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	08/13 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	08/13 07:30	<1.0 TON*	1	1.0 TON
00945	SULFATE	GRAB	N	300.0	08/13 09:16	22.3 V mg/l	1	0.50 mg/l
70300	TOTAL DISSOLVED SOLIDS	GRAB	N	SM2540C	08/18 19:50	220 mg/l	1.33	13. mg/l
00625	KJELDAHL NITROGEN	GRAB	N	351.2	08/19 18:32	0.430 mg/l	1	0.40 mg/l
Metals Analysis								
1002	ARSENIC	GRAB	N	200.8	08/26 13:49	<0.0040 mg/l	1	0.0040 mg/l
01007	BARIUM	GRAB	N	3010/6010B	08/20 16:47	0.0103 mg/l	1	0.010 mg/l
01027	CADMIUM	GRAB	N	3010/6010B	08/20 16:47	<0.0020 mg/l	1	0.0020 mg/l
01034	CHROMIUM	GRAB	N	3010/6010B	08/20 16:47	<0.0050 mg/l	1	0.0050 mg/l
01042	COPPER	GRAB	N	3010/6010B	08/20 16:47	<0.0050 mg/l	1	0.0050 mg/l
01045	IRON	GRAB	N	3010/6010B	08/20 16:47	0.914 mg/l	1	0.10 mg/l
01051	LEAD	GRAB	N	200.8	08/26 13:49	<0.0040 mg/l	1	0.0040 mg/l
01147	SELENIUM	GRAB	N	3010/6010B	08/20 16:47	<0.010 mg/l	1	0.010 mg/l
00929	SODIUM	GRAB	N	3010/6010B	08/20 16:47	10.6 mg/l	1	0.50 mg/l
71900	MERCURY	GRAB	N	1311/7470	08/19 11:45	<0.00020 mg/l	1	0.00020 mg/l
Semivolatile Analysis								
	TPH(C8-C40)	GRAB	N	FLPRO	08/19 04:56	<0.65 mg/l	1	0.65 mg/l

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

Order #: L266087-6
 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): NA

Sampling Date/Time: 08/12/09 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 13:57	<0.0040 mg/l	1	0.0040 mg/l
01007	BARIUM	GRAB	N	3010/6010B	08/20 18:04	<0.010 mg/l	1	0.010 mg/l
01027	CADMIUM	GRAB	N	3010/6010B	08/20 18:04	<0.0020 mg/l	1	0.0020 mg/l
01034	CHROMIUM	GRAB	N	3010/6010B	08/20 18:04	<0.0050 mg/l	1	0.0050 mg/l
01042	COPPER	GRAB	N	3010/6010B	08/20 18:04	<0.0050 mg/l	1	0.0050 mg/l
01045	IRON	GRAB	N	3010/6010B	08/20 18:04	<0.10 mg/l	1	0.10 mg/l
01051	LEAD	GRAB	N	200.8	08/26 13:57	<0.0040 mg/l	1	0.0040 mg/l
01147	SELENIUM	GRAB	N	3010/6010B	08/20 18:04	<0.010 mg/l	1	0.010 mg/l
00929	SODIUM	GRAB	N	3010/6010B	08/20 18:04	<0.50 mg/l	1	0.50 mg/l
71900	MERCURY	GRAB	N	1311/7470	08/19 11:47	<0.00020 mg/l	1	0.00020 mg/l

Letter to Genapure (Mike Kimmel)

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Letter dated June 29, 2009

CENTRAL COUNTY TRANSFER STATION MONITORING WELLS

8 Monitor Wells:

(CTMW-1S, CTMW-1I) (CTMW-2S, CTMW-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 Kjeldahl 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

2 of 2 COC-H

209068

Solid Waste Authority of Palm Beach County GROUNDWATER SAMPLING LOG

SITE NAME: Central County Transfer Station		Facility GMS#:	DATE: 8-12-09
WELL NO: CTMW-2S	Well Type: Compliance	Well Location: West of retention Pond	SITE LOCATION: 1810 Lantana Road, Lantana, FI

PURGING DATA

Top of Casing Elevation(ft):	Static Depth To Water (ft): 13.40	Water Table Elevation NGVD (ft):	Column Height (ft): 2391	Total Well Depth (ft): 37.31'					
WELLDIAMETER (in): 2" PVC	1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 4								
WELL CAPACITY (gal/ft): 0.16	= (37.31 - 13.40 = 23.91) X 0.16 = 3.83 GALLONS								
PURGE METHOD: Redi-flo		PURGE INITIATED AT: 10:26	PURGE ENDED AT: 10:39	TOTAL VOL. PURGED (gal): 13					
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	1.0	13.53	6.71	25.9	457	.69	28.6
1	4	8	1.0	13.53	6.72	26.0	470	.84	14.8
1	4	12	1.0	13.53	6.79	26.0	472	.72	7.24
				ORP	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)
FINAL FIELD VALUES →					6.79	26.0	472	—	7.24
Color:	Odor:	Sheen:	Comments						
<i>light 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): Redi-flo Pump	SAMPLING INITIATED AT: 10:40	SAMPLING ENDED AT: 10:45	Weather: Sunny, Warm Lt. Breeze		
FIELD DECONTAMINATION: No	FIELD-FILTERED: No	DUPLICATE: Y <input checked="" type="radio"/> N			
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (mL)	
1	HDPE	1-LITER	HNO3		Metals
2	HDPE		H2SO4	2.0	Ammonia
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDPE = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)					
SAMPLED BY (PRINT) B Downey M Alvarez			SAMPLER(S) SIGNATURE(S) <i>[Signature]</i>		

Solid Waste Authority of Palm Beach County GROUNDWATER SAMPLING LOG

SITE NAME: Central County Transfer Station		Facility GMS#:	DATE: 8-12-09
WELL NO: CTMW-2I	Well Type: Compliance	Well Location: West of retention Pond	SITE LOCATION: 1810 Lantana Road, Lantana, Fl

PVC PURGING DATA

Top of Casing Elevation (ft):	Static Depth To Water (ft): 13.35	Water Table Elevation NGVD (ft):	Column Height (ft): 59.3	Total Well Depth (ft): 72.65'					
WELLDIAMETER (in): 2" PVC	1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 10								
WELL CAPACITY (gal/ft): 0.16	= (72.65 - 13.35 = 59.3) X 0.16 = 9.45 GALLONS								
PURGE METHOD: Redi-flo		PURGE INITIATED AT: 10:25	PURGE ENDED AT: 10:55	TOTAL VOL PURGED (gal): 30					
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	13.52	6.79	25.9	417	.85	4.11
1	10	20	1.0	13.53	6.98	26.0	420	.76	.95
1	10	30	1.0	13.53	6.99	25.8	420	.61	1.29
FINAL FIELD VALUES →				ORP	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)
					6.99	25.8	420	—	1.29
Color: H. yellow	Odor: None	Sheen: none	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): Redi-flo Pump	SAMPLING INITIATED AT: 10:56	SAMPLING ENDED AT: 11:02	Weather: Sunny, warm 14. Breeze		
FIELD DECONTAMINATION: No	FIELD-FILTERED: No	DUPLICATE: <input checked="" type="checkbox"/> N			
SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (mL)	
1	HDPE	1-LITER	HNO3		Metals
2	HDPE		H2SO4	2.0	Ammonia
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDPE = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)					
SAMPLED BY (PRINT): B Downey M. Alvarez			SAMPLER(S) SIGNATURE(S): Mary Alvarez		

Solid Waste Authority of Palm Beach County GROUNDWATER SAMPLING LOG

SITE NAME: Central County Transfer Station		Facility GMS#:	DATE: 8-12-09
WELL NO: CTMW-1S	Well Type: Compliance	Well Location: North of retention Pond	SITE LOCATION: 1810 Lantana Road, Lantana, FL

PVC PURGING DATA

Top of Casing Elevation(ft):	Static Depth To Water (ft): 13.22	Water Table Elevation NGVD (ft): 13.22	Column Height (ft): 23.38	Total Well Depth (ft): 36.60'
WELLDIAMETER (in): 2" PVC	1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 4			
WELL CAPACITY (gal/ft): 0.16	= (36.60 - 13.22 = 23.38) X 0.16 = 3.74			GALLONS

PURGE METHOD: Redi-flo	PURGE INITIATED AT: 11:14	PURGE ENDED AT: 11:34	TOTAL VOL. PURGED (gal): 12
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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	.20	13.45	6.79	26.7	444	.75	1.05
1	4	8	.20	13.49	6.81	26.6	449	.95	.88
1	4	12	.20	13.49	6.80	26.7	443	1.20	.58

FINAL FIELD VALUES →				ORP	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)
					6.80	26.7	443	—	.58

Color: <i>Yellow</i>	Odor: <i>None</i>	Sheen: <i>None</i>	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): Redi-flo Pump	SAMPLING INITIATED AT: 11:35	SAMPLING ENDED AT: 11:40	Weather: Partly sunny, hot, humid			
FIELD DECONTAMINATION: No	FIELD-FILTERED: No	DUPLICATE: Y <input checked="" type="radio"/> N				
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		20	Metals
						Ammonia

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDPE = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)

SAMPLED BY (PRINT): B. Downey M. Alvarez	SAMPLER(S) SIGNATURE(S): <i>Brenda Downey M. Alvarez</i>
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Solid Waste Authority of Palm Beach County GROUNDWATER SAMPLING LOG

SITE NAME: Central County Transfer Station		Facility GMS#: NA	DATE: 8-12-09
WELL NO: CTMW-1I	Well Type: Compliance	Well Location: North of retention Pond	SITE LOCATION: 1810 Lantana Road, Lantana, FI

PURGING DATA

Top of Casing Elevation (ft):		Static Depth To Water (ft): 13.47	Water Table Elevation NGVD (ft):	Column Height (ft): 55.83	Total Well Depth (ft): 69.30'				
WELLDIAMETER (in): 2" PVC		1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 9				GALLONS			
WELL CAPACITY (gal/ft): 0.16		= (69.30 - 13.47 = 55.83) X 0.16 = 8.93							
PURGE METHOD: Redi-flo			PURGE INITIATED AT: 11:15	PURGE ENDED AT: 11:43	TOTAL VOL. PURGED (gal): 28				
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	9	9	1.0	13.82	6.84	26.7	387	.77	4.03
1	9	18	1.0	13.82	7.03	26.6	392	.93	2.52
1	9	27	1.0	13.82	7.04	26.5	393	.66	1.11
				ORP	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)
FINAL FIELD VALUES →					7.04	26.5	393	—	1.11
Color:	Odor:	Sheen:	Comments						
<i>light 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): Redi-flo Pump		SAMPLING INITIATED AT: 11:44	SAMPLING ENDED AT: 11:49	Weather: Partly sunny hot, humid		
FIELD DECONTAMINATION: No		FIELD-FILTERED: No		DUPLICATE: Y N		
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		< 2.0	Ammonia
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDPE = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)						
SAMPLED BY (PRINT): B. Downey M Alvarez				SAMPLER(S) SIGNATURE(S): <i>Brenda Downey, Manny Alvarez</i>		

Solid Waste Authority of Palm Beach County GROUNDWATER SAMPLING LOG

SITE NAME: Central County Transfer Station		Facility GMS#:	DATE: 8-12-09
WELL NO: CTSFD -08/209	Well Type: Compliance	Monitoring Well GMS#:	SITE LOCATION: 1810 Lantana Road, Lantana, FL

PURGING DATA

Top of Casing Elevation(ft):		Static Depth To Water (ft):		Water Table Elevation NGVD (ft):		Column Height (ft):		Total Well Depth (ft):	
WELLDIAMETER (in): 2" PVC		1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY =							
WELL CAPACITY (gal/ft): 0.16		= (-) X 0.16 = GALLONS							
PURGE METHOD: Redi-flo				PURGE INITIATED AT:		PURGE ENDED AT:		TOTAL VOL. PURGED (gal):	
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)
FINAL FIELD VALUES →				ORP	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)
Color:	Odor:	Sheen:	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): Redi-flo Pump		SAMPLING INITIATED AT:		SAMPLING ENDED AT:		Weather: -	
FIELD DECONTAMINATION: No			FIELD-FILTERED: No			DUPLICATE: Y (N)	
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		2.0	Ammonia	
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDPE = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)							
SAMPLED BY (PRINT): R Downey M Alvarez				SAMPLER(S) SIGNATURE(S): Monde Downey Manny Alvarez			