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Analytical Services, Inc.

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SEP 30 2009

**REPORT OF ANALYSIS**  
Printed: 09/15/09 11:43pm

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

Log #: L266088  
Report Period: 2009/Q3

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

Laboratory Sample #	Client Sample #
L266088-1	CTSSEB-081209
L266088-2	CTSW-1
L266088-3	METALS BLANK

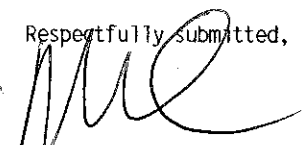
FLDOH/NELAC# E86240  
GA CERT# 917  
IL/NELAC CERT# 200020  
VA CERT# 00395

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

Order #: L266088-1  
 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: CTSSEB-081209  
 Classification of Groundwater: G-N  
 GW Elevation (NGVD): NA  
 or (MSL):

Sampling Date/Time: 08/12/09 12:12 PM  
 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
<b>Field Parameters</b>								
00010	TEMPERATURE CENTIGRADE	GRAB	N	170.1	08/12 12:12	30.1 Deg. C	1	0.10 Deg. C
00094	CONDUCTIVITY FIELD	GRAB	N	120.1	08/12 12:12	2.1 umhos/cm	1	0.10 umhos/cm
00406	PH FIELD	GRAB	N	150.1	08/12 12:12	7.45 units	1	0.10 units
82078	TURBIDITY, FIELD	GRAB	N	180.1	08/12 12:12	0.35 ntu	1	0.10 ntu
<b>Wet Chemistry</b>								
00410	TOTAL ALKALINITY AS CaCO3	GRAB	N	SM2320B	08/18 12:00	<5.0 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	08/27 15:48	<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
	POLAR OIL & GREASE	GRAB	N	1664	08/15 12:05	<5.0 mg/l	1	5.0 mg/l
00945	SULFATE	GRAB	N	300.0	08/13 09:16	<0.50 mg/l	1	0.50 mg/l
70300	TOTAL DISSOLVED SOLIDS	GRAB	N	SM2540C	08/18 19:50	<10. mg/l	1	10. mg/l
00625	KJELDAHL NITROGEN	GRAB	N	351.2	08/27 17:21	<0.40 mg/l	1	0.40 mg/l
<b>Metals Analysis</b>								
1002	ARSENIC	GRAB	N	200.8	08/26 10:56	<0.0040 mg/l	1	0.0040 mg/l
01007	BARIUM	GRAB	N	3010/6010B	08/20 18:10	<0.010 mg/l	1	0.010 mg/l
01027	CADMIUM	GRAB	N	3010/6010B	08/20 18:10	<0.0020 mg/l	1	0.0020 mg/l
01034	CHROMIUM	GRAB	N	3010/6010B	08/20 18:10	<0.0050 mg/l	1	0.0050 mg/l
01042	COPPER	GRAB	N	3010/6010B	08/20 18:10	<0.0050 mg/l	1	0.0050 mg/l
01045	IRON	GRAB	N	3010/6010B	08/20 18:10	<0.10 mg/l	1	0.10 mg/l
01051	LEAD	GRAB	N	200.8	08/26 10:56	<0.0040 mg/l	1	0.0040 mg/l
01147	SELENIUM	GRAB	N	3010/6010B	08/20 18:10	<0.010 mg/l	1	0.010 mg/l
00929	SODIUM	GRAB	N	3010/6010B	08/20 18:10	<0.50 mg/l	1	0.50 mg/l
71900	MERCURY	GRAB	N	1311/7470	08/19 11:49	<0.00020 mg/l	1	0.00020 mg/l
<b>Semivolatile Analysis</b>								
	TPH(C8-C40)	GRAB	N	FLPRO	08/19 05:32	<0.65 mg/l	1	0.65 mg/l

Order #: L266088-2  
 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: Surface Water

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility GMS #: NA  
 Test Site ID #: NA  
 Well Name: CTSW-1  
 Classification of Groundwater: G-SW  
 GW Elevation (NGVD): NA  
 or (MSL):

Sampling Date/Time: 08/12/09 12:30 PM  
 Report Period: 2009/Q3  
 Well Purge Vol (gal): N  
 Well Type: 0

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	08/12 12:30	32.1 Deg. C	1	0.10 Deg. C
00094	CONDUCTIVITY FIELD	GRAB	N	120.1	08/12 12:30	261 umhos/cm	1	0.10 umhos/cm
00406	PH FIELD	GRAB	N	150.1	08/12 12:30	6.75 units	1	0.10 units
82078	TURBIDITY, FIELD	GRAB	N	180.1	08/12 12:30	1.6 ntu	1	0.10 ntu
<b>Wet Chemistry</b>								
00410	TOTAL ALKALINITY AS CaCO3	GRAB	N	SM2320B	08/26 11:00	48.0 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	33.0 mg/l	1	10. mg/l
00940	CHLORIDE	GRAB	N	SM4500CL-E	08/27 15:48	29.8 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
	POLAR OIL & GREASE	GRAB	N	1664	08/15 12:05	<5.0 mg/l	1	5.0 mg/l
00945	SULFATE	GRAB	N	300.0	08/13 09:16	28.5 V mg/l	1	0.50 mg/l
70300	TOTAL DISSOLVED SOLIDS	GRAB	N	SM2540C	08/18 19:50	149 mg/l	1.33	13. mg/l
00625	KJELDAHL NITROGEN	GRAB	N	351.2	08/27 17:21	1.46 mg/l*	1	0.40 mg/l
<b>Metals Analysis</b>								
1002	ARSENIC	GRAB	N	200.8	08/26 14:05	<0.0040 mg/l	1	0.0040 mg/l
01007	BARIUM	GRAB	N	3010/6010B	08/19 03:36	<0.010 mg/l	1	0.010 mg/l
01027	CADMIUM	GRAB	N	200.8	08/26 14:05	<0.0020 mg/l	1	0.0020 mg/l
01034	CHROMIUM	GRAB	N	3010/6010B	08/19 03:36	<0.0050 mg/l	1	0.0050 mg/l
01042	COPPER	GRAB	N	3010/6010B	08/19 03:36	<0.0050 mg/l	1	0.0050 mg/l
01045	IRON	GRAB	N	3010/6010B	08/19 03:36	<0.10 mg/l	1	0.10 mg/l
01051	LEAD	GRAB	N	200.8	08/26 14:05	<0.0040 mg/l	1	0.0040 mg/l
01147	SELENIUM	GRAB	N	3010/6010B	08/19 03:36	<0.010 mg/l	1	0.010 mg/l
00929	SODIUM	GRAB	N	3010/6010B	08/19 03:36	14.9 mg/l	1	0.50 mg/l
71900	MERCURY	GRAB	N	1311/7470	08/19 11:51	<0.00020 mg/l	1	0.00020 mg/l
<b>Semivolatile Analysis</b>								
	TPH(C8-C40)	GRAB	N	FLPRO	08/19 06:09	<0.65 mg/l	1	0.65 mg/l

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

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

Order #: L266088-3  
 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: 08/12/09 00:00 PM  
 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 11:04	<0.0040 mg/l	1	0.0040 mg/l
01007	BARIUM	GRAB	N	3010/6010B	08/20 18:16	<0.010 mg/l	1	0.010 mg/l
01027	CADMIUM	GRAB	N	3010/6010B	08/20 18:16	<0.0020 mg/l	1	0.0020 mg/l
01034	CHROMIUM	GRAB	N	3010/6010B	08/20 18:16	<0.0050 mg/l	1	0.0050 mg/l
01042	COPPER	GRAB	N	3010/6010B	08/20 18:16	<0.0050 mg/l	1	0.0050 mg/l
01045	IRON	GRAB	N	3010/6010B	08/20 18:16	<0.10 mg/l	1	0.10 mg/l
01051	LEAD	GRAB	N	200.8	08/26 11:04	<0.0040 mg/l	1	0.0040 mg/l
01147	SELENIUM	GRAB	N	3010/6010B	08/20 18:16	<0.010 mg/l	1	0.010 mg/l
00929	SODIUM	GRAB	N	3010/6010B	08/20 18:16	<0.50 mg/l	1	0.50 mg/l
71900	MERCURY	GRAB	N	1311/7470	08/19 11:53	<0.00020 mg/l	1	0.00020 mg/l



**CENTRAL COUNTY TRANSFER STATION SURFACE WATER**

1 Surface water: CTSW-1

1 Equipment Blank (CTSSEB-)

***Parameters (Matrix Surface Water)***

**A. METALS**

Arsenic	Chromium	Lead	Sodium
Barium	Copper	Mercury	Selenium
Cadmium	Iron		

**B. INDICATOR PARAMETERS**

Ammonia Nitrogen	Nitrate N	Oil & Grease
Total Alkalinity	TKN (Total Kjeldahl Nitrogen)	Sulfate
C.O.D.	TDS (Total Dissolved Solids)	
Chloride	TRPH (Total Recoverable Petroleum Hydrocarbons)	
Foaming Agents (MBAS)		

**C. FIELD PARAMETERS**

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

2 of 2  
COC 196909



# SOLID WASTE AUTHORITY DIVISION OF ENVIRONMENTAL PROGRAMS SURFACE SITE DATA SHEET

Facility Identification: **Central County Transfer Station**

Sample Type: **Grab**

Sample Name: **CTSW-1**

Date: **8-12-09**

Time: **12:30**

Depth of Sample: ~ 6-8"  
Description: Adjacent to Storm water structure in pond

Notes and Comments  
Weather: **sunny hot + humid**  
Conductivity on scale XUS  
PH < 2.0 in preservative

Field Parameters	Units	Standard Appearance
Temperature:	<b>32.1</b> C	Color: <b>very light yellow</b> Odor: <b>no odor no stench</b>
Specific Cond:	uMHOS/cm	
Specific Cond: ATC	<b>261</b> uMHOS/cm	
PH:	<b>6.75</b> Std. Units	
Turb:	<b>1.60</b> NTU	
D.O.	Mg/L	

Bucket# **D**  
Beaker# **SH-M**

Sample Container Inventory				
Quantity	Size	Type	Preservation	Analysis
<b>meter 371345</b>				

~~Each time sampled remember to open and close control structure~~

Sampled By: *Brenda Daemy*  
*Mandy Albers*

Method of Shipment *Signature*