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Analytical Services, Inc.

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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

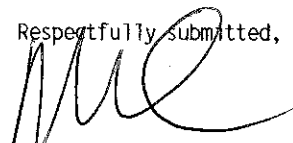
FLDOH/NELAC# E86240
GA CERT# 917
IL/NELAC CERT# 200020
VA CERT# 00395

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
Field Parameters								
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
Wet Chemistry								
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
Metals Analysis								
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
Semivolatile Analysis								
	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
Field Parameters								
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
Wet Chemistry								
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
Metals Analysis								
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
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 ****

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): NA

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

CHAIN OF CUSTODY RECORD

Log# **266088** T#S **1** of **2** Page **1** of **2** Quote: **1**

Company Name: **PB SWA** PO# **640-400**
Address: **7501 W. Jog Rd**
City: **Leesburg** State: **FL** Zip: **33412**
Attn: **Thomas Sims** Fax# **640-3400**
email: **Central City Transfer Station**
Project Name: **Seepage Water** Proj#

Sampler Signature: **S Downing** Phone# **640-400**
Sample Label (Client ID): **MW-1** Collect Date: **6/16/04** Collect Time: **11:35** Matrix Code: **GW** Field Filtered: **X** Integrity OK: **Y** Total # of containers: **1**

Sample	LAB ANALYSIS											
	TRC	pH	Pres Codes	Parameters	# of Containers	Size/Type	16ozP	1	2	3	4	
AS BA CD G Ca F				AS BA CD G Ca F	1							
PB HG Na Se				PB HG Na Se	1							
NH3 AIR COD CHL				NH3 AIR COD CHL	1							
MBAS TKNTDS				MBAS TKNTDS	1							
FLUO DTG SOL				FLUO DTG SOL	1							
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QA/QC Report Level	Initials	Date	Time	Received by	Date	Time	Other
COC OK	GN	8/12/09	16:00	GN	8/12/09	17:05	
Required Status Certification							

Container Type Codes

AV	Amber Vial
CV	Clear Vial
P	Plastic
PLC	Plastic container
PL	Plastic Litter
Z	Ziploc
TE	Ziploc bag
TECLAR B	Tecler bag
AP	Amber Plastic
AG	Amber Glass
SJ	Soil Jar
G	Gallon Jug

Matrix Codes

WW	Waste Water
AFW	Analyte Free Water
DW	Drinking Water
SU	Surface Water
AC	Aqueous
PE	Petroleum
NA	Nonaqueous
ML	Misc. Liquid
GW	Ground Water
EFF	Effluent
INF	Influent
A	Air
O	Other (Please Specify)

Pres/Codes

A	None
E	HCL
F	MeOH
G	Na2S2O3
H	NaHSO4
I	Ice
J	MCAA
K	Zn Acetate
O	Other

REMARKS
 1. **Sealed checks for field parameters**
 2. **2 week Run**
 3. **Temp Bottle 2**

Lab Use Only

Sample IMPACT upon arrival?	Yes	No	NA
Received on Wet Ice? Temp $\leq 4^{\circ}\text{C}$			
Proper Preservatives Indicated?			
Received within holding time?			
Custody seals intact?			
Volatile res'd without headspace?			
Proper Containers Used?			

ORIGINAL

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:	32.1 C	Color: very light
Specific Cond:	uMHOS/cm	Odor: yellow no odor no sheen
Specific Cond: ATC	261 uMHOS/cm	
PH:	6.75 Std. Units	Bucket# D
Turb:	1.60 NTU	
D.O.	Mg/L	

Beaker# **SH-M**

Sample Container Inventory				
Quantity	Size	Type	Preservation	Analysis
meter 371345				

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

Sampled By: *Brenda Daemy*
Mandy Albers

Method of Shipment *Signature*