

RECEIVED
SEP 23 2008
ENVIRONMENTAL PROGRAMS

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

Log #: L261828
Report Period: 2008/Q3

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

Laboratory Sample #	Client Sample #
L261828-1	CTSSEB-090408
L261828-2	CTSW-1
L261828-3	METALS BLANK

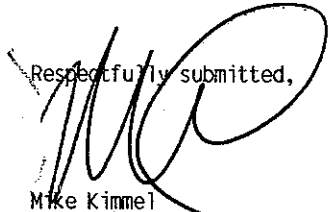
FLDOH/NELAC# E86240
GA CERT# 917
IL/NELAC CERT# 200020
VA CERT# 00395

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
Project Manager

Order #: L261828-1
 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: CLEAR
 Odor: None
 Matrix: DI Water

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility GMS #: NA
 Test Site ID #: NA
 Well Name: CTSSEB-090408
 Classification of Groundwater: G-N
 GW Elevation (NGVD): NA
 or (MSL): NA

Sampling Date/Time: 09/04/08 11:50 AM
 Report Period: 2008/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	09/04 11:50	28.4 Deg. C	1	0.10 Deg. C
00094	CONDUCTIVITY FIELD	GRAB	N	120.1	09/04 11:50	1.9 umhos/cm	1	0.10 umhos/cm
00406	PH FIELD	GRAB	N	150.1	09/04 11:50	7.05 units	1	0.10 units
82078	TURBIDITY, FIELD	GRAB	N	180.1	09/04 11:50	0.37 ntu	1	0.10 ntu
Wet Chemistry								
00410	TOTAL ALKALINITY AS CaCO3	GRAB	N	SM2320B	09/14 10:00	<5.0 mg/l	1	5.0 mg/l
00610	AMMONIA	GRAB	N	350.1	09/12 17:59	<0.050 mg/l	1	0.050 mg/l
00340	CHEMICAL OXYGEN DEMAND	GRAB	N	410.4	09/08 14:20	<10. mg/l	1	10. mg/l
00940	CHLORIDE	GRAB	N	SM4500CL-E	09/11 11:59	<1.0 mg/l	1	1.0 mg/l
038260	DETERGENTS MBAS	GRAB	N	SM5540C	09/05 10:00	<0.20 mg/l	1	0.20 mg/l
00620	NITRATE (AS N)	GRAB	N	300.0	09/05 04:23	<0.050 mg/l	1	0.050 mg/l
	OIL & GREASE	GRAB	N	1664	09/11 23:30	<4.0 mg/l	1	4.0 mg/l
NA149	TOTAL PETROLEUM HYDROCARBONS	GRAB	N	1664	09/11 23:30	<4.0 mg/l	1	4.0 mg/l
00945	SULFATE	GRAB	N	300.0	09/05 04:23	<0.50 mg/l	1	0.50 mg/l
70300	TOTAL DISSOLVED SOLIDS	GRAB	N	SM2540C	09/10 14:00	<10. mg/l	1	10. mg/l
00625	KJELDAHL NITROGEN	GRAB	N	351.2	09/15 15:16	<0.40 mg/l	1	0.40 mg/l
Metals Analysis								
1002	ARSENIC	GRAB	N	200.8	09/15 23:23	<0.0040 mg/l	1	0.0040 mg/l
01007	BARIUM	GRAB	N	200.7	09/16 22:42	<0.010 mg/l	1	0.010 mg/l
01027	CADMIUM	GRAB	N	200.8	09/15 23:23	<0.0020 mg/l	1	0.0020 mg/l
01034	CHROMIUM	GRAB	N	200.7	09/16 22:42	<0.0050 mg/l	1	0.0050 mg/l
01042	COPPER	GRAB	N	200.8	09/15 23:23	<0.0050 mg/l	1	0.0050 mg/l
01045	IRON	GRAB	N	200.7	09/16 22:42	<0.10 mg/l	1	0.10 mg/l
01051	LEAD	GRAB	N	200.8	09/15 23:23	<0.0040 mg/l	1	0.0040 mg/l
01147	SELENIUM	GRAB	N	200.7	09/16 22:42	<0.010 mg/l	1	0.010 mg/l
00929	SODIUM	GRAB	N	200.7	09/18 20:41	<0.25 mg/l	1	0.25 mg/l
71900	MERCURY	GRAB	N	245.1	09/10 12:35	<0.00020 mg/l	1	0.00020 mg/l

Order #: L261828-2
 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: LT. YELLOW
 Odor: None
 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): NA

Sampling Date/Time: 09/04/08 12:10 PM
 Report Period: 2008/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	09/04 12:10	29.4 Deg. C	1	0.10 Deg. C
00094	CONDUCTIVITY FIELD	GRAB	N	120.1	09/04 12:10	308 umhos/cm	1	0.10 umhos/cm
00406	PH FIELD	GRAB	N	150.1	09/04 12:10	6.81 units	1	0.10 units
82078	TURBIDITY, FIELD	GRAB	N	180.1	09/04 12:10	1.69 ntu	1	0.10 ntu
Wet Chemistry								
00410	TOTAL ALKALINITY AS CaCO3	GRAB	N	SM2320B	09/14 10:00	91.0 mg/l	1	5.0 mg/l
00610	AMMONIA	GRAB	N	350.1	09/12 17:59	<0.050 mg/l	1	0.050 mg/l
00340	CHEMICAL OXYGEN DEMAND	GRAB	N	410.4	09/08 14:20	36 mg/l	1	10. mg/l
00940	CHLORIDE	GRAB	N	SM4500CL-E	09/11 11:59	22.6 mg/l	1	1.0 mg/l
038260	DETERGENTS MBAS	GRAB	N	SM5540C	09/05 10:00	<0.20 mg/l	1	0.20 mg/l
00620	NITRATE (AS N)	GRAB	N	300.0	09/05 04:40	<0.50 mg/l	10	0.50 mg/l
	OIL & GREASE	GRAB	N	1664	09/11 23:30	<4.0 mg/l	1	4.0 mg/l
NA149	TOTAL PETROLEUM HYDROCARBONS	GRAB	N	1664	09/11 23:30	<4.0 mg/l	1	4.0 mg/l
00945	SULFATE	GRAB	N	300.0	09/05 04:40	25.5 mg/l	10	5.0 mg/l
70300	TOTAL DISSOLVED SOLIDS	GRAB	N	SM2540C	09/10 14:00	197 mg/l	1	10. mg/l
00625	KJELDAHL NITROGEN	GRAB	N	351.2	09/15 15:16	0.952 mg/l*	1	0.40 mg/l
Metals Analysis								
1002	ARSENIC	GRAB	N	200.8	09/15 23:01	<0.0040 mg/l	1	0.0040 mg/l
01007	BARIUM	GRAB	N	200.7	09/16 22:31	<0.010 mg/l	1	0.010 mg/l
01027	CADMIUM	GRAB	N	200.8	09/15 23:01	<0.0020 mg/l	1	0.0020 mg/l
01034	CHROMIUM	GRAB	N	200.7	09/16 22:31	<0.0050 mg/l	1	0.0050 mg/l
01042	COPPER	GRAB	N	200.8	09/15 23:01	<0.0050 mg/l	1	0.0050 mg/l
01045	IRON	GRAB	N	200.7	09/16 22:31	<0.10 mg/l	1	0.10 mg/l
01051	LEAD	GRAB	N	200.8	09/15 23:01	<0.0040 mg/l	1	0.0040 mg/l
01147	SELENIUM	GRAB	N	200.7	09/16 22:31	<0.010 mg/l	1	0.010 mg/l
00929	SODIUM	GRAB	N	200.7	09/18 20:35	12.6 mg/l	1	0.25 mg/l
71900	MERCURY	GRAB	N	245.1	09/10 12:37	<0.00020 mg/l	1	0.00020 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 #: L261828-3
 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

Shoen:
 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: 09/04/08 00:00 AM
 Report Period: 2008/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	09/15 23:28	<0.0040 mg/l	1	0.0040 mg/l
	01007 BARIUM	GRAB	N	200.7	09/16 22:48	<0.010 mg/l	1	0.010 mg/l
	01027 CADMIUM	GRAB	N	200.8	09/15 23:28	<0.0020 mg/l	1	0.0020 mg/l
	01034 CHROMIUM	GRAB	N	200.7	09/16 22:48	<0.0050 mg/l	1	0.0050 mg/l
	01042 COPPER	GRAB	N	200.8	09/15 23:28	<0.0050 mg/l	1	0.0050 mg/l
	01045 IRON	GRAB	N	200.7	09/16 22:48	<0.10 mg/l	1	0.10 mg/l
	01051 LEAD	GRAB	N	200.8	09/15 23:28	<0.0040 mg/l	1	0.0040 mg/l
	01147 SELENIUM	GRAB	N	200.7	09/16 22:48	<0.010 mg/l	1	0.010 mg/l
	00929 SODIUM	GRAB	N	200.7	09/18 20:46	<0.25 mg/l	1	0.25 mg/l
	71900 MERCURY	GRAB	N	245.1	09/10 12:39	<0.00020 mg/l	1	0.00020 mg/l

Letter to Genapure (Mike Kimmel)

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Letter dated June 29, 2008

CENTRAL COUNTY TRANSFER STATION SURFACE WATER

1 Surface water: CTSW-1

1 Equipment Blank (CTSSEB-)

Parameters (Matrix Surface Water)

A. METALS

Arsenic	Chromium ^{VI}	Lead	Sodium ³⁺
Barium	Copper	Mercury	Selenium
Cadmium ^{II}	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

188259

SOLID WASTE AUTHORITY DIVISION OF ENVIRONMENTAL PROGRAMS SURFACE SITE DATA SHEET

Facility Identification: Central County Transfer Station Facility GMS#

Sample Type: Grab

Sample Name: **CTSSEB - 090408** Date: **9-4-08**

Time: **11:50**

Depth of Sample: **NA**

Description:

Notes and Comments

Weather: **Alt sunny hot & humid**

Conductivity on scale **XUS**

PH **2.0** in preservative

Field Parameters	Units	Standard Appearance
Temperature:	28.4 C	Color: Clear Odor: no odor no sken
Specific Cond:	1.9 uMHOS/cm	
Redox Potential		
PH:	7.05 Std. Units	
Turb:	.37 NTU	
D.O.	Mg/L	

Bucket# **F**

Beaker# **C**

Sample Container Inventory

Quantity	Size	Type	Preservation	Analysis

Sampled By: **Brenda Dawney**

Method of Shipment: **Genapure**

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: 9.4.08

Time: 12:10

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


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

Field Parameters	Units	Standard Appearance
Temperature:	<u>29.4</u> C	Color: <u>very light yellow</u>
Specific Cond:	uMHOS/cm	Odor: <u>no odor</u>
Specific Cond: ATC	<u>368</u> uMHOS/cm	<u>no sheen</u>
PH:	<u>6.81</u> Std. Units	
Turb:	<u>1.69</u> NTU	
D.O.	Mg/L	

Bucket# F
 Beaker# C

Sample Container Inventory				
Quantity	Size	Type	Preservation	Analysis

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

Sampled By: Brenda Dainy


Method of Shipment Genapure



Genapure
Analytical Services, Inc.

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

Log# 20117

T#S

Quote:

Page 1 of 2

CHAIN OF CUSTODY RECORD

Company Name: PB SWA PO#
Address: 7501 N. Stuy Rd 33412
City: WPA State: FL Zip: 33412
Attn: Thomas Sim Fax: 640-3400
email: Central County Transfer Station
Project: Surface Water
Sample Name: MTH 507 Phone# 640-4400
Signature: B. O'Brien

LAB ANALYSIS

Container Type Codes

AV	Amber Vial	ES	Enco Sample
CV	Clear Vial	PPV	Propylene Vial
P	Plastic	PLC	Plastic Container
AL	Amber Luer	PLJ	Plastic Luer
CL	Clear Luer	ZDC	Zinc Zinc pad
AP	Amber Paste	TECH	Technical Indicator
AG	Amber Glass	VEH	Vial with cap
SI	Soil Jar	S	Galton Jar

Other: _____
Example: 402 = 402 Plastic, 403 = 403 Plastic, 404 = 404 Plastic, 405 = 405 Plastic

Matrix Codes

SD	Soil Slurries	WV	Waste Water
SP	Soil	AW	Analyte Free Water
SB	Soil Bedrock	DW	Drinking Water
SL	Soil	SW	Surface Water
PL	Plastic	AC	Aqueous
PE	Pesticides	SW	Source Water
NA	Nonspecific	A	Air
ML	Metal Liquid	O	Other (Please Specify)
GW	Ground Water		
EFF	Effluent		
INF	Influent		

Pres/Codes

A	None	E	HOL	1	lbs
B	HNO3	F	MCH	J	MCA
C	H2SO4	G	NES204	K	Zi Acetic
D	NH3OH	H	NH3OH	O	Diluter

REMARKS

See field notes for full parameters

Quench made

Tom Bostell

#	Sample Label (Client ID)	Collected Date	Collected Time	Matrix Code	Field Filtered	Integrity OK (Y/N)	Total # of Containers	Parameters		Lab Use Only
								PH	TRC	
1	STSS58-640458	9/4/08	11:50	AFW	X		5			
2	C-1500-1	9/4/08	12:10	S			5			
3										
4										
5										
6										
7										
8										
9	Notable Blank						1			
0										

Lab Use Only

Sample IN/ACT upon arrival?

Received on Wet Ice? Temp.

Proper Preservation Indicators?

Received within holding time?

Custody seals intact?

Vials/acid without, independent?

Proper Containers Used?

188259

ORIGINAL