



RECEIVED

MAR 26 2009

ENVIRONMENTAL PROGRAMS
Solid Waste Authority

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

Log #: L265909
Report Period: 2009/Q1

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

Laboratory Sample #	Client Sample #
L265909-1	CTSSEB-021909
L265909-2	CTSW-1
L265909-3	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 #: L265909-1
 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:

PARAMETER MONITORING REPORT

Part III: Analytical Results

Facility GMS #: NA
 Test Site ID #: NA
 Well Name: CTSSEB-021909
 Classification of Groundwater:
 GW Elevation (NGVD): NA
 or (MSL):

Sampling Date/Time: 02/19/09 11:11 AM
 Report Period: 2009/Q1
 Well Purge Vol (gal)
 Well Type:

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		N	170.1	02/19 11:11	22.3 Deg. C	1	0.10 Deg. C
00094	CONDUCTIVITY FIELD		N	120.1	02/19 11:11	12.9 umhos/cm	1	0.10 umhos/cm
00406	PH FIELD		N	150.1	02/19 11:11	7.43 units	1	0.10 units
82078	TURBIDITY, FIELD		N	180.1	02/19 11:11	0.23 ntu	1	0.10 ntu
Wet Chemistry								
00410	TOTAL ALKALINITY AS CaCO3		N	SM2320B	02/23 14:00	<5.0 mg/l	1	5.0 mg/l
00610	AMMONIA		N	350.1	02/23 11:17	<0.050 mg/l*	1	0.050 mg/l
00340	CHEMICAL OXYGEN DEMAND		N	410.4	02/24 19:00	<10. mg/l	1	10. mg/l
00940	CHLORIDE		N	SM4500CL-E	02/25 12:51	<1.0 mg/l	1	1.0 mg/l
038260	DETERGENTS MBAS		N	SM5540C	02/20 13:00	<0.20 mg/l	1	0.20 mg/l
00620	NITRATE (AS N)		N	300.0	02/20 17:36	<0.50 mg/l	10	0.50 mg/l
	OIL & GREASE		N	1664		<4.0 mg/l		4.0 mg/l
NA149	TOTAL PETROLEUM HYDROCARBONS		N	1664	02/26 16:00	<4.0 mg/l	1	4.0 mg/l
00945	SULFATE		N	300.0	02/20 17:36	<0.50 mg/l	1	0.50 mg/l
70300	TOTAL DISSOLVED SOLIDS		N	SM2540C	02/23 14:51	<13. mg/l	1.33	13. mg/l
00625	KJELDAHL NITROGEN		N	351.2	03/16 10:59	0.0358 V mg/l	1	0.40 mg/l
Metals Analysis								
1002	ARSENIC		N	200.8	02/24 20:27	<0.0040 mg/l	1	0.0040 mg/l
01007	BARIUM		N	3010/6010B	02/26 16:56	<0.010 mg/l	1	0.010 mg/l
01027	CADMIUM		N	3010/6010B	02/26 16:56	<0.0020 mg/l	1	0.0020 mg/l
01034	CHROMIUM		N	3010/6010B	02/26 16:56	<0.0050 mg/l	1	0.0050 mg/l
01042	COPPER		N	3010/6010B	02/26 16:56	<0.0050 mg/l	1	0.0050 mg/l
01045	IRON		N	3010/6010B	02/26 16:56	<0.10 mg/l	1	0.10 mg/l
01051	LEAD		N	200.8	02/24 20:27	<0.0040 mg/l	1	0.0040 mg/l
01147	SELENIUM		N	3010/6010B	02/26 16:56	<0.010 mg/l	1	0.010 mg/l
00929	SODIUM		N	3010/6010B	02/26 16:56	<0.50 mg/l	1	0.50 mg/l
71900	MERCURY		N	245.1	02/27 11:55	<0.00020 mg/l	1	0.00020 mg/l

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

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

Order #: L265909-2
 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: LtYellow
 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: 02/19/09 11:20 AM
 Report Period: 2009/Q1
 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	02/19 11:20	22.4 Deg. C	1	0.10 Deg. C
00094	CONDUCTIVITY FIELD	GRAB	N	120.1	02/19 11:20	326 umhos/cm	1	0.10 umhos/cm
00406	PH FIELD	GRAB	N	150.1	02/19 11:20	8.31 units	1	0.10 units
82078	TURBIDITY, FIELD	GRAB	N	180.1	02/19 11:20	5.52 ntu	1	0.10 ntu
Wet Chemistry								
00410	TOTAL ALKALINITY AS CaCO3	GRAB	N	SM2320B	02/23 14:00	88.0 mg/l	1	5.0 mg/l
00610	AMMONIA	GRAB	N	350.1	02/23 11:17	0.341 mg/l	1	0.050 mg/l
00340	CHEMICAL OXYGEN DEMAND	GRAB	N	410.4	02/24 19:00	83.0 mg/l	1	10. mg/l
00940	CHLORIDE	GRAB	N	SM4500CL-E	02/25 12:51	27.5 V mg/l	1	1.0 mg/l
038260	DETERGENTS MBAS	GRAB	N	SM5540C	02/20 13:00	<0.20 mg/l	1	0.20 mg/l
000615	NITRITE (AS N)	GRAB	N	300.0	02/20 17:51	<0.50 mg/l	10	0.50 mg/l
	OIL & GREASE	GRAB	N	1664	02/26 16:00	<4.0 mg/l	1	4.0 mg/l
NA149	TOTAL PETROLEUM HYDROCARBONS	GRAB	N	1664	02/26 16:00	<4.0 mg/l	1	4.0 mg/l
00945	SULFATE	GRAB	N	300.0	02/20 17:51	26.0 mg/l	10	5.0 mg/l
70300	TOTAL DISSOLVED SOLIDS	GRAB	N	SM2540C	02/23 14:51	188 mg/l	1.33	13. mg/l
00625	KJELDAHL NITROGEN	GRAB	N	351.2	03/16 10:59	1.16 V mg/l	1	0.40 mg/l
Metals Analysis								
1002	ARSENIC	GRAB	N	200.8	02/24 20:31	<0.0040 mg/l	1	0.0040 mg/l
01007	BARIUM	GRAB	N	3010/6010B	02/26 17:25	<0.010 mg/l	1	0.010 mg/l
01027	CADMIUM	GRAB	N	3010/6010B	02/26 17:25	<0.0020 mg/l	1	0.0020 mg/l
01034	CHROMIUM	GRAB	N	3010/6010B	02/26 17:25	<0.0050 mg/l	1	0.0050 mg/l
01042	COPPER	GRAB	N	3010/6010B	02/26 17:25	<0.0050 mg/l	1	0.0050 mg/l
01045	IRON	GRAB	N	3010/6010B	02/26 17:25	<0.10 mg/l	1	0.10 mg/l
01051	LEAD	GRAB	N	200.8	02/24 20:31	<0.0040 mg/l	1	0.0040 mg/l
01147	SELENIUM	GRAB	N	3010/6010B	02/26 17:25	<0.010 mg/l	1	0.010 mg/l
00929	SODIUM	GRAB	N	3010/6010B	02/26 17:25	14.8 mg/l	1	0.50 mg/l
71900	MERCURY	GRAB	N	245.1	02/27 11:46	<0.00020 mg/l	1	0.00020 mg/l

Order #: L265909-3
 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: 02/19/09 00:00 AM
 Report Period: 2009/Q1
 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	02/24 20:36	<0.0040 mg/l	1	0.0040 mg/l
	01007 BARIUM	GRAB	N	3010/6010B	02/26 17:02	<0.010 mg/l	1	0.010 mg/l
	01027 CADMIUM	GRAB	N	3010/6010B	02/26 17:02	<0.0020 mg/l	1	0.0020 mg/l
	01034 CHROMIUM	GRAB	N	3010/6010B	02/26 17:02	<0.0050 mg/l	1	0.0050 mg/l
	01042 COPPER	GRAB	N	3010/6010B	02/26 17:02	<0.0050 mg/l	1	0.0050 mg/l
	01045 IRON	GRAB	N	3010/6010B	02/26 17:02	<0.10 mg/l	1	0.10 mg/l
	01051 LEAD	GRAB	N	200.8	02/24 20:36	<0.0040 mg/l	1	0.0040 mg/l
	01147 SELENIUM	GRAB	N	3010/6010B	02/26 17:02	<0.010 mg/l	1	0.010 mg/l
	00929 SODIUM	GRAB	N	3010/6010B	02/26 17:02	<0.50 mg/l	1	0.50 mg/l
	71900 MERCURY	GRAB	N	245.1	02/27 11:57	<0.00020 mg/l	1	0.00020 mg/l

Letter to Mike Kimmel
Page 5 of 34
December 30, 2008

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 # 191910

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: **2-19-09**

Time: **11:20**

Depth of Sample: **~4-6"**

Description: **Adjacent to Storm water structure in pond**

Notes and Comments

Weather: **sunny
warm
windy**

Conductivity on scale X **US**

PH < **2.0** in preservative

Field Parameters	Units	Standard Appearance
Temperature:	22.4 C	Color: light yellow
Specific Cond:	uMHOS/cm	
Specific Cond: ATC	326 uMHOS/cm	Odor: no odor no sheen
PH:	8.31 Std. Units	
Turb:	5.52 NTU	
D.O.	Mg/L	

Bucket# **S-A**

Beaker# **S-D**

Sample Container Inventory				
Quantity	Size	Type	Preservation	Analysis

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

Sampled By: **Brenda Dawney**
M.T.

Method of Shipment: **Genapine**

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 -021909 Date: 2-19-09

Time: 11:11

Depth of Sample: NA

Description:

Notes and Comments

Weather: Sunny
Warm

Conductivity on scale X US

PH < 2.0 in preservative

Field Parameters	Units	Standard Appearance
Temperature:	22.3 C	Color: clear Odor: no odor no sheen
Specific Cond:	12.9 uMHOS/cm	
Redox Potential		
PH:	7.43 Std. Units	
Turb:	.23 NTU	
D.O.	Mg/L	

Bucket# S-A

Beaker# S-D

Sample Container Inventory

Quantity	Size	Type	Preservation	Analysis

Sampled By: Brenda Dosemy

M.T.

Method of Shipment

Genapure



Genapure[™]
Analytical Services, Inc.

3231 NW 7th Ave., Boca Raton, FL 33431

www.genapure.com

Log# 265905

T#S

Quote:

Page 1 of 2

CHAIN OF CUSTODY RECORD

Company Name: PB SWA PO#

Address: 7501 N. 509 Rd

City: PB State: FL ZIP: 33412

Attn: Thomas Siva Fax# 640-3400

email: Central Down by Transfer Station

Project: Surface UD Beker

Name: MTHYSON

Signature: BROWNEY Phone# 640-3400

LAB ANALYSIS

Sample	TRC	pH	Pres Codes
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

see page 5 of 34 of letter dated 01/28/08

Metals
NH₃ UD, TRN
COC, PPH
MOAS, NO₃, PPH, DU
CL, 504

EXAMPLE
Diss.8RCRA 6010

Container Type Codes	Matrix Codes*	Pres/Codes
AV Amber Vial	ES Enco Sampler	A None
CV Clear Vial	PPV Prepared vial	B. HNO ₃
P Plastic	PLC Plastic container	C. H ₂ SO ₄
AL Amber Litter	PLJ Plastic jar	D. NaOH
CL Clear Litter	TEPLAR B Teflon bag	E. HCL
AP Amber Plastic	TEPLAR B Teflon bag	F. WASH
AG Amber Glass	WHFL White pak	G. Na ₂ SO ₄
SJ Soil Jar	G Galon Jug	H. NaHSO ₄
Other:		I. l. ice
Size(s): 2oz, 4oz, 8oz, 16oz, 32oz or 1L, 4cm ³ other		J. WCAA
Example: 4oz = 4oz Plastic, 8oz Stainless Steel jar		K. Zn Acetate
		O. Other

Le	Sample Label (Client ID)	Collect Date	Collect Time	Matrix Code*	Field Filtered	Integrity OK(Y/N)	Total # of containers	Parameters	# of Containers Size/Type	1 tooz
1	CTSS00-021909	2/19/09	11:11	PP00			5		08P 1324 04L	08P 1324 04L
2	CTSS00-1	2/19/09	11:20	S			5			
3										
4										
5										
6										
7										
8										
9										
10	Metals									

REMARKS
see page 5 of 34 of letter dated 01/28/08
for file of parameters

2 week run

Termo Bottle 1

Short Hold COC OK Initials Required State Certification

Item	Refrinshed by	Affiliation	Date	Time	Received by	Affiliation	Date	Time
1								
2								

Lab Use Only

Sample INTRACT upon arrival? Received on Wet/so? Temp. C? Proper Preservation Indicator? Received within holding time? Cooled/ sealed Inact? Volatile rec'd without headspace? Proper Containers Used?

ORIGINAL