

RECEIVED
DEC 22 2008
ENVIRONMENTAL PROGRAMS

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

Log #: L261975
Report Period: 2008/Q3

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

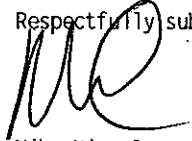
Laboratory Sample #	Client Sample #
L261975-1	CTMW-2I

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 #: L261975-1
 Client: PBSWA-PALM BEACH SOLID WASTE AUT

Genapure
 Report of Analysis for DEP
 CENTRAL COUNTY TRANS

Diameter (inches): 2
 Depth to Water (ft): 11.50
 Total Depth (ft): 72.65
 Top of Casing ('): NA
 Evacuation (gallons) 31

Sheen:
 Color: LT. YELLOW
 Odor: < 1.0 P4
 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):

Sampling Date/Time: 09/08/08 12:32 PM
 Report Period: 2008/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	09/05 12:32	24.9 Deg. C	1	0.10 Deg. C
00094	CONDUCTIVITY FIELD	GRAB	N	120.1	09/05 12:32	423 umhos/cm	1	0.10 umhos/cm
00406	PH FIELD	GRAB	N	150.1	09/05 12:32	7.02 units	1	0.10 units
82078	TURBIDITY, FIELD	GRAB	N	180.1	09/05 12:32	1.00 ntu	1	0.10 ntu
Wet Chemistry								
00410	TOTAL ALKALINITY AS CaCO3	GRAB	N	SM2320B	09/14 10:00	156 mg/l	1	5.0 mg/l
00610	AMMONIA	GRAB	N	350.1	09/12 17:19	0.194 mg/l	1	0.050 mg/l
00340	CHEMICAL OXYGEN DEMAND	GRAB	N	410.4	09/09 13:00	<10. mg/l	1	10. mg/l
050060	CHLORINE TOTAL, LAB	GRAB	N	330.5	09/17 21:00	0.230 mg/l	1	0.10 mg/l
00084	COLOR-LAB	GRAB	N	SM2120B	09/09 09:05	40.0 pcu	1	5.0 pcu
00745	TOTAL SULFIDE AS S	GRAB	N	SM4500S2-E	09/12 10:00	<1.0 mg/l	1	1.0 mg/l
038260	DETERGENTS MBAS	GRAB	N	SM5540C	09/09 20:00	<0.20 mg/l	1	0.20 mg/l
00620	NITRATE (AS N)	GRAB	N	300.0	09/09 15:11	<0.50 mg/l	10	0.50 mg/l
	ODOR	GRAB	N	140.1	09/09 08:30	< 1.0 P4 TON		1.0 TON
00945	SULFATE	GRAB	N	300.0	09/09 15:11	22.2 V mg/l	10	5.0 mg/l
70300	TOTAL DISSOLVED SOLIDS	GRAB	N	SM2540C	09/14 11:00	232 mg/l	1	10. mg/l
00625	KJELDAHL NITROGEN	GRAB	N	351.2	09/15 15:16	0.529 mg/l	1	0.40 mg/l
Metals Analysis								
1002	ARSENIC	GRAB	N	3010/6010B	09/15 16:30	<0.0042 mg/l	1	0.0042 mg/l
01007	BARIUM	GRAB	N	3010/6010B	09/15 16:30	0.0104 mg/l	1	0.010 mg/l
01027	CADMIUM	GRAB	N	3010/6010B	09/15 16:30	<0.0020 mg/l	1	0.0020 mg/l
01034	CHROMIUM	GRAB	N	3010/6010B	09/15 16:30	<0.0050 mg/l	1	0.0050 mg/l
01042	COPPER	GRAB	N	3010/6010B	09/15 16:30	<0.010 mg/l	1	0.010 mg/l
01045	IRON	GRAB	N	3010/6010B	09/15 16:30	0.994 mg/l	1	0.10 mg/l
01051	LEAD	GRAB	N	3010/6010B	09/15 16:30	<0.0040 mg/l	1	0.0040 mg/l
01147	SELENIUM	GRAB	N	3010/6010B	09/15 16:30	<0.010 mg/l	1	0.010 mg/l
00929	SODIUM	GRAB	N	3010/6010B	09/15 16:30	11.2 mg/l	1	0.25 mg/l
71900	MERCURY	GRAB	N	245.1	09/15 18:08	<0.00020 mg/l	1	0.00020 mg/l

Semivolatile Analysis
TPH(C8-C40)

GRAB N

FLPRO

09/13 22:45 <0.65 mg/l

1

0.65 mg/l



Genapure
Analytical Services, Inc.

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

CHAIN OF CUSTODY RECORD

Log# 261975 T#S

Quote: _____

Page 1 of 2

Company Name: PA SWA POW
Address: 7501 N. 706 RD ZIP: 33412
City: WRS State: FL Fax: 640-3402
Alt: Thomas Stone
email: _____
Project Name: Central County Transfer
Site: Station Well 02
Sampler Signature: M. Tyson Phone#: 640-4000
Signature: GDawson

#	Le.	Sample Label (Client ID)	Collect Date	Collect Time	Matrix Code	Field Filled	Integrity OK(Y/N)	Total # of Containers	Parameters	
									Discharge	Flow
1	CTMW-21	MW-1	6/16/04	11:35	GW	X		1	Discharge	Flow
2			9/18/08	12:32	GW					
3										
4										
5										
6										
7										
8										
9										
0										

LAB ANALYSIS

See page 4 for 33 of letters dated 6/29/08

Discharge Flow

EXAMPLE Discharge Flow

# of Containers	Size	Type	Initials	Date	Time	Required Signatures	
						Y	N
1	1	60	GA	9/18/08	15:00	GA	GA
			GA	9/18/08	18:00	GA	GA
			GA	9/18/08	18:00	GA	GA

VIN	Date Required	Signature	Affiliation	Date	Time	Signature	Affiliation	Initials	
								Y	N
		<u>Thomas Stone</u>	<u>PA SWA</u>	<u>9/18/08</u>	<u>16:00</u>	<u>M. Tyson</u>	<u>PA SWA</u>	<u>GA</u>	<u>GA</u>
		<u>M. Tyson</u>	<u>PA SWA</u>	<u>9/18/08</u>	<u>16:25</u>	<u>GDawson</u>	<u>PA SWA</u>	<u>GA</u>	<u>GA</u>

Container Type Codes

AV Amber Vial
CV Clear Vial
P Plastic
AL Amber Litter
CL Clear Litter
AP Amber Flask
WH Wheel P
SJ Seal Jar
G Gallon Jug

Matrix Codes

WW Waste Water
AFW Analyte Free Water
SW Shallow Water
SU Surface Water
PA Petroleum
AS Aquatic
SW Surface Water
A Air
O Other (Please Specify)

Fres/Codes

A. None
E. HCL
F. HNO3
G. NitS2O5
H. NaHSO4
I. Ice
J. MCAA
K. 2n Acetate
L. Other

REMARKS

See fresh Sleeb for fresh sample

2 week Run

Lab Use Only

Sample INACT upon arrival
Recollect on Wet Ice? Temp
Proper Preservation Indicated?
Placed within tracing time?
Closely sealed flask?
Viable rec'd without manipulation?
Proper Containers Used?

CENTRAL COUNTY TRANSFER STATION MONITORING WELLS

8 Monitor Wells:

(CTMW-1S, CTMW-1I) (CTMW-2S, CTW-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 Kjehdahl Nitrogen)	Sulfate
Color	TDS (Total Dissolved Solids)	
Chlorine	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

Solid Waste Authority of Palm Beach County GROUNDWATER SAMPLING LOG

SITE NAME: Central County Transfer Station		Facility GMS#:	DATE: 9-5-08
WELL NO: CTMW-2I	Well Type: Compliance	Well Location: West of retention Pond	SITE LOCATION: 1810 Lantana Road, Lantana, FI

PVC PURGING DATA

Top of Casing Elevation (ft):	Static Depth To Water (ft): 11.50	Water Table Elevation NGVD (ft):	Column Height (ft): 61.65	Total Well Depth (ft): 72.65'					
WELL DIAMETER (in): 2" PVC	1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY = 10 $= (72.65 - 11.50 = 61.65) \times 0.16 = 9.78$ GALLONS								
WELL CAPACITY (gal/ft): 0.16									
PURGE METHOD: Redi-flo		PURGE INITIATED AT: 12:02	PURGE ENDED AT: 12:31	TOTAL VOL. PURGED (gal): 31					
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	1.1	11.58	6.83	24.9	418	1.27	22.5
1	10	20	1.1	11.58	6.93	24.7	419	1.15	2.69
1	10	30	1.1	11.58	7.02	24.9	423	.88	1.00
				ORP	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)
FINAL FIELD VALUES →					7.02	24.9	423	-	1.00
Color:	Odor:	Sheen:	Comments						
lt. yellow	none	none							
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: 12:32	SAMPLING ENDED AT: 12:37	Weather: windy, warm, sunny			
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		6.0	Ammonia
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDPE = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)						
SAMPLED BY (PRINT): B. Downey MT 7/5/07			SAMPLER(S) SIGNATURE(S): <i>Brenda Downey</i>			

SOLID WASTE AUTHORITY DIVISION OF ENVIRONMENTAL PROGRAMS EQUIPMENT BLANK DATA SHEET

Sample Type: GRAB COMPOSITE GMS Facility # GMS T33 5050C50100
 Site Identification: Dyer Date: 9-8-08

Sample I.D. DLSWDEB-090808 Time: 10:30

Equipment blanks are collected in the field before sampling begins by filling a precleaned bailer with D.I. Water supplied by the Laboratory and then pouring the water from the sampling device into the sampling bottles. This process is repeated until all sampling bottles are filled.

Notes and Comments Phy
sonny warm
 Cond on scale XUS
 PH 2.0
 in preservative

Field Parameters		Units	Sample Appearance
Temperature	<u>23.0</u>	C	<u>Clear</u> <u>no odor</u> <u>no sheen</u>
Cond: X	<u>ATC 14.1</u>	uMHOS/cm	
PH	<u>6.83</u>	Std Units	
DO		Mg/L	
Other <u>Turb</u>	<u>.29</u>	<u>NTU</u>	

Bucket# K
Beaker# F

Sample Container Inventory				
Quantity	Size	Type	Preservative	Analysis

Sampled By: Brenda Perry
[Signature]

Method of Shipment: Manager

SOLID WASTE AUTHORITY DIVISION OF ENVIRONMENTAL PROGRAMS SURFACE SITE DATA SHEET

Facility Identification: **Dyer Landfill Surface Water Discharge WMD**

Facility GMS# T33 5050C50100

Sample Type: **Grab**

Sample Name: **DLSWD-1**

Date: **9-8-08**

Time:

Depth of Sample: ~ 8-10"
Description: North side of discharge structure. Structure located north side of Dyer Blvd; just north of EPB-9A canal

Notes and Comments

Weather: *Partly sunny
warm*

Conductivity on scale X US

PH *< 2.0* in preservative

Staff gauge 14.29

Field Parameters	Units	Standard Appearance
Temperature:	28.2 C	Color: <i>light + yellow</i>
Specific Cond:	uMHOS/cm	Odor: <i>no odor no sheen</i>
Specific Cond: ATC	395 uMHOS/cm	
PH:	6.64 Std. Units	Bucket# <i>K</i>
Turb:	.94 NTU	
D.O.	Mg/L	

Beaker# *F*

Sample Container Inventory

Quantity	Size	Type	Preservation	Analysis

Sampled By: *Brenda Denny*

Method of Shipment *Express*