



**REPORT OF ANALYSIS**

Printed 06/11/2014

Hydrogeologist  
Palm Beach Solid Waste Authority  
7501 N. Jog Rd.  
West Palm Beach, FL 33412

Pace Project Number: 35113788  
Report Period: 2013/Q4

Client Project ID: Central Transfer Station Surfa

RECEIVED

JUN 11 2014

**Lab Sample ID**

**Client Sample ID**

35113788001  
35113788002  
35113788003

CTSSE BLANK 102913  
CTSW-1  
METALS TRIP BLANK - 102913

Sincerely,

A handwritten signature in black ink that reads "Martha Montero".

Martha Montero

**Florida Certifications:**

E83079 - Ormond Beach

**Pace Analytical Services, Inc.**

Project Name : Central Transfer Station Surfa

Diameter (in) :

Depth to Water (ft) :

Total Depth (ft) :

Top of Casing (ft) :

Evacuation (gal) :

Order # : 35113788001

Sheen : No sheen

Color : Clear

Odor : No odor

Matrix : DI Water

**PARAMETER MONITORING REPORT**

Part III Analytical Results

Facility GMS # : C.P.A.F.5.E. I & II

Sampling Date/Time : 10/29/2013 11:18

Test Side ID # : NA

Report Period : 2013/Q4

Well Name : CTSSE BLANK 102913

Well Purge (Y/N) : N

Classification of Ground Water : Equipment Blank

Well Type : ( ) Background

Groundwater Elevation (NGVD) : \_\_\_\_\_

( ) Intermediate

( ) Compliance

( X ) Other

Storet Code	Parameter Monitored	Sampling Method	Field Filter	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units		Dilution Factor
							MDL	PQL	

**FIELD PARAMETERS**

000537	Field Specific Conductance	Grab	N		10/29/2013 11:18	7.9 umhos/cm		umhos/cm	1
000010	Field Temperature	Grab	N		10/29/2013 11:18	26.1 deg C		deg C	1
000664	Field pH	Grab	N		10/29/2013 11:18	7.20 Std. Units		Std. Units	1
082078	Turbidity	Grab	N		10/29/2013 11:18	0.39 NTU		NTU	1

**OTHER**

000593	Chloride	Grab	N	EPA 300.0	10/30/2013 15:04	<2.5 mg/L	2.5	5.0	mg/L	1
000620	Nitrate as N	Grab	N	EPA 300.0	10/30/2013 15:04	<0.043 mg/L	0.043	0.050	mg/L	1
000945	Sulfate	Grab	N	EPA 300.0	10/30/2013 15:04	<2.5 mg/L	2.5	5.0	mg/L	1
000599	Nitrogen, Ammonia	Grab	N	EPA 350.1	10/30/2013 13:43	<0.020 mg/L	0.020	0.050	mg/L	1
000601	Nitrogen, Kjeldahl, Total	Grab	N	EPA 351.2	11/05/2013 17:01	<0.086 mg/L	0.086	0.50	mg/L	1
000340	Chemical Oxygen Demand	Grab	N	EPA 410.4	11/06/2013 08:58	<12.5 mg/L	12.5	20.0	mg/L	1
000410	Alkalinity, Total as CaCO3	Grab	N	SM 2320B	11/08/2013 12:27	<5.0 mg/L	5.0	5.0	mg/L	1
000515	Total Dissolved Solids	Grab	N	SM 2540C	11/04/2013 07:55	<5.0 mg/L	5.0	5.0	mg/L	1
038260	MBAS, Calculated as LAS	Grab	N	SM 5540C	10/30/2013 11:21	<0.059 mg/L	0.059	0.20	mg/L	1

**INORGANICS**

001002	Arsenic	Grab	N	EPA 6010	10/31/2013 17:49	<5.0 ug/L	5.0	10.0	ug/L	1
001007	Barium	Grab	N	EPA 6010	10/31/2013 17:49	<5.0 ug/L	5.0	10.0	ug/L	1
001045	Iron	Grab	N	EPA 6010	10/31/2013 17:49	<20.0 ug/L	20.0	40.0	ug/L	1
000572	Lead	Grab	N	EPA 6010	10/31/2013 17:49	<5.0 ug/L	5.0	10.0	ug/L	1
000929	Sodium	Grab	N	EPA 6010	10/31/2013 17:49	<0.50 mg/L	0.50	1.0	mg/L	1
001027	Cadmium	Grab	N	EPA 6020	10/31/2013 13:21	<0.050 ug/L	0.050	0.10	ug/L	1
001042	Copper	Grab	N	EPA 6020	10/31/2013 13:21	<0.93 ug/L	0.93	1.0	ug/L	1
001147	Selenium	Grab	N	EPA 6020	10/31/2013 13:21	<0.50 ug/L	0.50	1.0	ug/L	1
000576	Mercury	Grab	N	EPA 7470	11/06/2013 14:55	<0.028 ug/L	0.028	0.20	ug/L	1

**ORGANICS**

	Oil and Grease	Grab	N	EPA 1664A	10/31/2013 19:16	<1.6 mg/L	1.6	5.6	mg/L	1
	Total Petroleum Hydrocarbons	Grab	N	EPA 1664A	10/31/2013 21:32	<1.6 mg/L	1.6	5.6	mg/L	1

**Pace Analytical Services, Inc.**

Project Name : Central Transfer Station Surfa  
 Diameter (in) :  
 Depth to Water (ft) :  
 Total Depth (ft) :  
 Top of Casing (ft) :  
 Evacuation (gal) :

Order # : 35113788002  
 Sheen : No sheen  
 Color : Light yellow  
 Odor : No sheen  
 Matrix : Surface Water

**PARAMETER MONITORING REPORT**

Part III Analytical Results

Facility GMS # : C.P.A.F.5.E. I & II  
 Test Side ID # : PBCC09  
 Well Name : CTSW-1  
 Classification of Ground Water : SW-IIIF  
 Groundwater Elevation (NGVD) : \_\_\_\_\_

Sampling Date/Time : 10/29/2013 11:25  
 Report Period : 2013/Q4  
 Well Purge (Y/N) : N  
 Well Type : ( ) Background  
 ( ) Intermediate  
 ( ) Compliance  
 ( X ) Other

Storet Code	Parameter Monitored	Sampling Method	Field Filter	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units		Dilution Factor
							MDL	PQL	

**FIELD PARAMETERS**

000537	Field Specific Conductance	Grab	N		10/29/2013 11:25	362 umhos/cm		umhos/cm	1
000010	Field Temperature	Grab	N		10/29/2013 11:25	27.3 deg C		deg C	1
000664	Field pH	Grab	N		10/29/2013 11:25	7.28 Std. Units		Std. Units	1
082078	Turbidity	Grab	N		10/29/2013 11:25	2.22 NTU		NTU	1

**OTHER**

000593	Chloride	Grab	N	EPA 300.0	10/30/2013 10:26	20.7 mg/L	2.5	5.0	mg/L	1
000620	Nitrate as N	Grab	N	EPA 300.0	10/30/2013 10:26	0.086 mg/L	0.043	0.050	mg/L	1
000945	Sulfate	Grab	N	EPA 300.0	10/30/2013 10:26	20.5 mg/L	2.5	5.0	mg/L	1
000599	Nitrogen, Ammonia	Grab	N	EPA 350.1	10/30/2013 13:44	<0.020 mg/L	0.020	0.050	mg/L	1
000601	Nitrogen, Kjeldahl, Total	Grab	N	EPA 351.2	11/05/2013 17:05	0.67 mg/L	0.086	0.50	mg/L	1
000340	Chemical Oxygen Demand	Grab	N	EPA 410.4	11/06/2013 08:58	39.7 mg/L	12.5	20.0	mg/L	1
000410	Alkalinity, Total as CaCO3	Grab	N	SM 2320B	11/08/2013 12:35	120 mg/L	5.0	5.0	mg/L	1
000515	Total Dissolved Solids	Grab	N	SM 2540C	11/04/2013 07:55	225 mg/L	5.0	5.0	mg/L	1
038260	MBAS, Calculated as LAS	Grab	N	SM 5540C	10/30/2013 19:06	0.090 l mg/L	0.059	0.20	mg/L	1

**INORGANICS**

001002	Arsenic	Grab	N	EPA 6010	10/31/2013 17:53	<5.0 ug/L	5.0	10.0	ug/L	1
001007	Barium	Grab	N	EPA 6010	10/31/2013 17:53	8.6 l ug/L	5.0	10.0	ug/L	1
001045	Iron	Grab	N	EPA 6010	10/31/2013 17:53	59.8 ug/L	20.0	40.0	ug/L	1
000572	Lead	Grab	N	EPA 6010	10/31/2013 17:53	<5.0 ug/L	5.0	10.0	ug/L	1
000929	Sodium	Grab	N	EPA 6010	10/31/2013 17:53	14.6 mg/L	0.50	1.0	mg/L	1
001027	Cadmium	Grab	N	EPA 6020	10/31/2013 13:24	<0.050 ug/L	0.050	0.10	ug/L	1
001042	Copper	Grab	N	EPA 6020	10/31/2013 13:24	<0.93 ug/L	0.93	1.0	ug/L	1
001147	Selenium	Grab	N	EPA 6020	10/31/2013 13:24	<0.50 ug/L	0.50	1.0	ug/L	1
000576	Mercury	Grab	N	EPA 7470	11/06/2013 14:57	<0.028 ug/L	0.028	0.20	ug/L	1

**ORGANICS**

	Oil and Grease	Grab	N	EPA 1664A	10/31/2013 19:17	<1.6 mg/L	1.6	5.6	mg/L	1
	Total Petroleum Hydrocarbons	Grab	N	EPA 1664A	10/31/2013 21:33	<1.6 mg/L	1.6	5.6	mg/L	1

**Pace Analytical Services, Inc.**

Project Name : Central Transfer Station Surfa  
 Diameter (in) :  
 Depth to Water (ft) :  
 Total Depth (ft) :  
 Top of Casing (ft) :  
 Evacuation (gal) :

Order # : 35113788003  
 Sheen : No Sheen  
 Color : Clear  
 Odor : No Odor  
 Matrix : DI Water

**PARAMETER MONITORING REPORT**

Part III Analytical Results

Facility GMS # : C.P.A.F.5.E. I & II  
 Test Side ID # : NA  
 Well Name : METALS TRIP BLANK - 102913  
 Classification of Ground Water : Equipment Blank  
 Groundwater Elevation (NGVD) : \_\_\_\_\_

Sampling Date/Time : 10/29/2013 08:00  
 Report Period : 2013/Q4  
 Well Purge (Y/N) : N  
 Well Type : ( ) Background  
 ( ) Intermediate  
 ( ) Compliance  
 ( X ) Other

Storet Code	Parameter Monitored	Sampling Method	Field Filter	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units		Dilution Factor
							MDL	PQL	

**INORGANICS**

001002	Arsenic	Grab	N	EPA 6010	10/31/2013 17:56	<5.0 ug/L	5.0	10.0	ug/L	1
001007	Barium	Grab	N	EPA 6010	10/31/2013 17:56	<5.0 ug/L	5.0	10.0	ug/L	1
001045	Iron	Grab	N	EPA 6010	10/31/2013 17:56	<20.0 ug/L	20.0	40.0	ug/L	1
000572	Lead	Grab	N	EPA 6010	10/31/2013 17:56	<5.0 ug/L	5.0	10.0	ug/L	1
000929	Sodium	Grab	N	EPA 6010	10/31/2013 17:56	<0.50 mg/L	0.50	1.0	mg/L	1
001027	Cadmium	Grab	N	EPA 6020	10/31/2013 13:35	<0.050 ug/L	0.050	0.10	ug/L	1
001042	Copper	Grab	N	EPA 6020	10/31/2013 13:35	<0.93 ug/L	0.93	1.0	ug/L	1
001147	Selenium	Grab	N	EPA 6020	10/31/2013 13:35	<0.50 ug/L	0.50	1.0	ug/L	1
000576	Mercury	Grab	N	EPA 7470	11/06/2013 15:00	<0.028 ug/L	0.028	0.20	ug/L	1





# 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:

**10-29-13**

WACS Facility ID: **PBCC01**

WACS Test Site ID: **PBCC09**

Time:

**11:25**

Depth of Sample: ≈ 2-6 "  
 Description: Adjacent to Storm water structure in pond  
8.10 Staff gauge S  
8.11 Staff gauge N  
Meter 177480~~40~~

Notes and Comments

Weather: **Sunny**  
**Warm, Breezy**

Conductivity on scale X US

PH < 2.0 in preservative

Field Parameters	Units	Standard Appearance
Temperature:	<b>27.3</b> C	Color: <b>light yellow</b>
Specific Cond:	uMHOS/cm	
Specific Cond: ATC	<b>362</b> uMHOS/cm	Odor: <b>No odor</b> <b>No sheen</b>
PH:	<b>7.28</b> Std. Units	
Turb:	<b>2.22</b> NTU	Bucket# <b>B</b>  Beaker# <b>B</b>
D.O.	Mg/L	

#### Sample Container Inventory


Quantity	Size	Type	Preservation	Analysis

Sampled By:

*Matt [Signature]*  
*Brenda Downey*

Method of Shipment

*Race*

	Document Name: Sample Condition Upon Receipt Form	Document Revised: October 9, 2013
	Document No.: F-FL-C-007 rev. 05	Issuing Authority: Pace Florida Quality Office

**Sample Condition Upon Receipt Form (SCUR)** Table Number: \_\_\_\_\_

Client Name: PBSWA Project # 35113788

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other \_\_\_\_\_

Tracking # \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no Seals Intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Thermometer Used T1106 Type of Ice:  Wet  Blue  None

Cooler Temperature °C 2.4 (Visual) -0.1 (Correction Factor) 2.3 (Actual)

Date and initials of person examining contents: 10/30/13 (SH)

(Temp should be above freezing to 6°C). If below 0°C, then was sample frozen?  
 Yes  No

Receipt of samples satisfactory:  Yes  No Rush TAT requested on COC: \_\_\_\_\_

If yes, then all conditions below were met:	If no, then mark box & describe issue (use comments area if necessary):
Chain of Custody Present	<input type="checkbox"/>
Chain of Custody Filled Out	<input type="checkbox"/>
Relinquished Signature & Sampler Name COC	<input type="checkbox"/>
Samples Arrived within Hold Time	<input type="checkbox"/>
Sufficient Volume	<input type="checkbox"/>
Correct Containers Used	<input type="checkbox"/>
Containers Intact	<input type="checkbox"/>
Sample Labels match COC (sample IDs & date/time of collection)	<input type="checkbox"/>
	No Labels: <input type="checkbox"/> No Time/Date on Labels: <input type="checkbox"/>
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/>
No Headspace in VOA Vials (>6mm):	<input type="checkbox"/>

Client Notification/ Resolution: Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution (use back for additional comments):  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Project Manager Review: \_\_\_\_\_ Date: \_\_\_\_\_

Finished Product Information Only	
F.P. Sample ID: _____	<b>Size &amp; Qty of Bottles Received</b>
Production Code: _____	_____ x 5 Gal
Date/Time Opened: _____	_____ x 2.5 Gal
Number of Unopened Bottles Remaining: _____	_____ x 1 Gal
	_____ x 1 Liter
	_____ x 500 mL
	_____ x 250 mL
	_____ x Other: _____
Extra Sample in Shed: Yes No	