



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

Pace Project Number: 35159498  
Report Period: 2014/Q4

RECEIVED  
DEC 08 2014

Client Project ID: Central Transfer Station Surfa

<b>Lab Sample ID</b>	<b>Client Sample ID</b>
35159498001	CTSSE BLANK 101614
35159498002	CTSW-1
35159498003	Metals Trip Blank -101614

Sincerely,

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

Martha Montero

**Florida Certifications:**

E83079 - Ormond Beach  
E87627 - Charlotte

**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 # : 35159498001  
 Sheen : No sheen  
 Color : Clear  
 Odor : No odor  
 Matrix : DI Water

**PARAMETER MONITORING REPORT**

**Part III Analytical Results**

Facility WACS ID : PBCC01  
 Test Site ID # : NA  
 Well Name : CTSSE BLANK 101614  
 Classification of Ground Water : Equipment Blank  
 Groundwater Elevation (NGVD) : \_\_\_\_\_

Sampling Date/Time : 10/16/2014 10:00  
 Report Period : 2014/Q4  
 Well Purge (Y/N) : NA  
 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		10/16/2014 10:00	4.6 umhos/cm		umhos/cm	1
000010	Field Temperature	Grab	N		10/16/2014 10:00	22.9 deg C		deg C	1
000664	Field pH	Grab	N		10/16/2014 10:00	7.07 Std. Units		Std. Units	1
082078	Turbidity	Grab	N		10/16/2014 10:00	0.45 NTU		NTU	1

**OTHER**

000599	Nitrogen, Ammonia	Grab	N	EPA 350.1	10/24/2014 12:25	<0.020 mg/L	0.020	0.050	mg/L	1
000601	Nitrogen, Kjeldahl, Total	Grab	N	EPA 351.2	10/22/2014 19:37	<0.086 mg/L	0.086	0.50	mg/L	1
000620	Nitrogen, Nitrate	Grab	N	EPA 353.2	10/17/2014 10:30	<0.025 mg/L	0.025	0.050	mg/L	1
000340	Chemical Oxygen Demand	Grab	N	EPA 410.4	10/22/2014 15:02	<12.5 mg/L	12.5	20.0	mg/L	1
000410	Alkalinity, Total as CaCO3	Grab	N	SM 2320B	10/21/2014 13:15	<5.0 mg/L	5.0	5.0	mg/L	1
000515	Total Dissolved Solids	Grab	N	SM 2540C	10/22/2014 07:33	<5.0 mg/L	5.0	5.0	mg/L	1
038260	MBAS, Calculated as LAS	Grab	N	SM 5540C	10/17/2014 17:38	<0.059 mg/L	0.059	0.20	mg/L	1

**INORGANICS**

001002	Arsenic	Grab	N	EPA 6010	10/21/2014 14:12	<5.0 ug/L	5.0	10.0	ug/L	1
001007	Barium	Grab	N	EPA 6010	10/21/2014 14:12	<5.0 ug/L	5.0	10.0	ug/L	1
001034	Chromium	Grab	N	EPA 6010	10/21/2014 14:12	<2.5 ug/L	2.5	5.0	ug/L	1
001045	Iron	Grab	N	EPA 6010	10/21/2014 14:12	<20.0 ug/L	20.0	40.0	ug/L	1
000929	Sodium	Grab	N	EPA 6010	10/21/2014 14:12	<0.50 mg/L	0.50	1.0	mg/L	1
001027	Cadmium	Grab	N	EPA 6020	10/20/2014 12:46	<0.050 ug/L	0.050	0.10	ug/L	1
001042	Copper	Grab	N	EPA 6020	10/20/2014 12:46	<0.93 ug/L	0.93	1.0	ug/L	1
000572	Lead	Grab	N	EPA 6020	10/20/2014 12:46	<0.50 ug/L	0.50	1.0	ug/L	1
001147	Selenium	Grab	N	EPA 6020	10/20/2014 12:46	<0.50 ug/L	0.50	1.0	ug/L	1
000576	Mercury	Grab	N	EPA 7470	10/23/2014 14:17	<0.10 ug/L	0.10	0.20	ug/L	1

**ORGANICS**

	Oil and Grease	Grab	N	EPA 1664B	10/22/2014 09:08	<1.1 mg/L	1.1	5.0	mg/L	1
	Total Petroleum Hydrocarbons	Grab	N	EPA 1664B	10/22/2014 09:08	<5.0 mg/L	5.0	5.0	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 # : 35159498002  
 Sheen : No sheen  
 Color : Very light yellow  
 Odor : No odor  
 Matrix : Surface Water

**PARAMETER MONITORING REPORT**

Part III Analytical Results

Facility WACS ID : PBCC01  
 Test Site ID # : PBCC09  
 Well Name : CTSW-1  
 Classification of Ground Water : SW-IIIF  
 Groundwater Elevation (NGVD) : \_\_\_\_\_

Sampling Date/Time : 10/16/2014 10:15  
 Report Period : 2014/Q4  
 Well Purge (Y/N) : NA  
 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		10/16/2014 10:15	258 umhos/cm		umhos/cm	1
000010	Field Temperature	Grab	N		10/16/2014 10:15	26.5 deg C		deg C	1
000664	Field pH	Grab	N		10/16/2014 10:15	6.73 Std. Units		Std. Units	1
082078	Turbidity	Grab	N		10/16/2014 10:15	2.11 NTU		NTU	1

**OTHER**

000599	Nitrogen, Ammonia	Grab	N	EPA 350.1	10/25/2014 14:10	<0.020 mg/L	0.020	0.050	mg/L	1
000601	Nitrogen, Kjeldahl, Total	Grab	N	EPA 351.2	10/22/2014 19:38	0.47 l mg/L	0.086	0.50	mg/L	1
000620	Nitrogen, Nitrate	Grab	N	EPA 353.2	10/17/2014 10:31	<0.025 mg/L	0.025	0.050	mg/L	1
000340	Chemical Oxygen Demand	Grab	N	EPA 410.4	10/22/2014 15:02	40.1 mg/L	12.5	20.0	mg/L	1
000410	Alkalinity, Total as CaCO3	Grab	N	SM 2320B	10/21/2014 13:20	76.2 mg/L	5.0	5.0	mg/L	1
000515	Total Dissolved Solids	Grab	N	SM 2540C	10/22/2014 07:33	173 mg/L	5.0	5.0	mg/L	1
038260	MBAS, Calculated as LAS	Grab	N	SM 5540C	10/17/2014 17:38	0.10 l mg/L	0.059	0.20	mg/L	1

**INORGANICS**

001002	Arsenic	Grab	N	EPA 6010	10/21/2014 15:06	<5.0 ug/L	5.0	10.0	ug/L	1
001007	Barium	Grab	N	EPA 6010	10/21/2014 15:06	8.1 l ug/L	5.0	10.0	ug/L	1
001034	Chromium	Grab	N	EPA 6010	10/21/2014 15:06	<2.5 ug/L	2.5	5.0	ug/L	1
001045	Iron	Grab	N	EPA 6010	10/21/2014 15:06	29.8 l ug/L	20.0	40.0	ug/L	1
000929	Sodium	Grab	N	EPA 6010	10/21/2014 15:06	12.5 mg/L	0.50	1.0	mg/L	1
001027	Cadmium	Grab	N	EPA 6020	10/20/2014 12:49	<0.050 ug/L	0.050	0.10	ug/L	1
001042	Copper	Grab	N	EPA 6020	10/20/2014 12:49	<0.93 ug/L	0.93	1.0	ug/L	1
000572	Lead	Grab	N	EPA 6020	10/20/2014 12:49	<0.50 ug/L	0.50	1.0	ug/L	1
001147	Selenium	Grab	N	EPA 6020	10/20/2014 12:49	<0.50 ug/L	0.50	1.0	ug/L	1
000576	Mercury	Grab	N	EPA 7470	10/23/2014 14:19	<0.10 ug/L	0.10	0.20	ug/L	1

**ORGANICS**

	Oil and Grease	Grab	N	EPA 1664B	10/22/2014 09:08	<1.1 mg/L	1.1	5.0	mg/L	1
	Total Petroleum Hydrocarbons	Grab	N	EPA 1664B	10/22/2014 09:08	<5.0 mg/L	5.0	5.0	mg/L	1

**Pace Analytical Services, Inc.**

Project Name : Central Transfer Station Surfa  
 Diameter (in) : 0  
 Depth to Water (ft) : 0  
 Total Depth (ft) : 0  
 Top of Casing (ft) : 0  
 Evacuation (gal) : 0

Order # : 35159498003  
 Sheen : No Sheen  
 Color : Clear  
 Odor : No Odor  
 Matrix : DI Water

**PARAMETER MONITORING REPORT**

Part III Analytical Results

Facility WACS ID : PBCC01  
 Test Site ID # : NA  
 Well Name : Metals Trip Blank -101614  
 Classification of Ground Water : Equipment Blank  
 Groundwater Elevation (NGVD) : \_\_\_\_\_

Sampling Date/Time : 10/16/2014 00:00  
 Report Period : 2014/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	10/21/2014 15:10	<5.0 ug/L	5.0	10.0	ug/L	1
001007	Barium	Grab	N	EPA 6010	10/21/2014 15:10	<5.0 ug/L	5.0	10.0	ug/L	1
001034	Chromium	Grab	N	EPA 6010	10/21/2014 15:10	<2.5 ug/L	2.5	5.0	ug/L	1
001045	Iron	Grab	N	EPA 6010	10/21/2014 15:10	<20.0 ug/L	20.0	40.0	ug/L	1
000929	Sodium	Grab	N	EPA 6010	10/21/2014 15:10	<0.50 mg/L	0.50	1.0	mg/L	1
001027	Cadmium	Grab	N	EPA 6020	10/20/2014 12:56	<0.050 ug/L	0.050	0.10	ug/L	1
001042	Copper	Grab	N	EPA 6020	10/20/2014 12:56	<0.93 ug/L	0.93	1.0	ug/L	1
000572	Lead	Grab	N	EPA 6020	10/20/2014 12:56	<0.50 ug/L	0.50	1.0	ug/L	1
001147	Selenium	Grab	N	EPA 6020	10/20/2014 12:56	<0.50 ug/L	0.50	1.0	ug/L	1
000576	Mercury	Grab	N	EPA 7470	10/23/2014 14:21	<0.10 ug/L	0.10	0.20	ug/L	1

WO#: 35159498



D

Page 1 of 2

Container Type Codes

- ES Encores Shrinker
- AV Amber Vial
- CV Clear Vial
- PLC Plastic container
- A Amber Jar
- ZLJ Ziploc Jar
- ZL Ziploc Bag
- AG Amber Plastic
- WB White Bag
- WPP Whirl Pak
- SJ Soil Jar
- TC Terra-con
- Other: Prepreserved vial
- PPV Polypropylene Vial
- Size (if): 2oz, 4oz, 8oz, 30oz or 1L, other.

LAB ANALYSIS

Company Name: **PR SWA** PO#: **7501 N. Jog Road, WPB, FL 33412**

Address: **Contact: Thomas Sirna** State: Zip: Fax#

City: Phone: **561 640-4000**

Alt#: Fax#: **561 640-3400**

email: **Project Name: Central County Transfer Station**

Signature: **Project: 104 Way**

Circle One Event: Daily Weekly Monthly  
Quarterly Semi-Annual Annual N/A

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code*	Field Filed	Integrity OK(Y/N)	Total # of containers	Parameters	
								Sec page	Letter of:
1	CSWBANK 10/16/14	10/16/14	10:00	AFW			6		EXAMPLE 6010
2	CSW-1	10/16/14	15:00	S			6		
3									
4									
5									
6									
7									
8									
9									
10									

Sample #	# of Containers	
	Size	Type
1	18ozP	

Item	Relinquished by	Short Hold	Circle QA/QC Report Level		EDD (Fees May Apply)	COC Condition	Required State Certification
			1	2			
1	Thomas Sirna					OK	FL GA SC NC NJ PA LA TX IL
2	Thomas Sirna						
3	Thomas Sirna						
4	Thomas Sirna						
5	Thomas Sirna						
6	Thomas Sirna						
7	Thomas Sirna						
8	Thomas Sirna						
9	Thomas Sirna						
10	Thomas Sirna						

Item	Relinquished by	Short Hold	Circle QA/QC Report Level		EDD (Fees May Apply)	COC Condition	Required State Certification
			1	2			
1	Thomas Sirna					OK	FL GA SC NC NJ PA LA TX IL
2	Thomas Sirna						
3	Thomas Sirna						
4	Thomas Sirna						

Matrix Codes

- SD Solid Waste
- GW Ground Water
- EFF Effluent
- AW Analytical Free H2O
- DW Drinking Water
- SW Surface Water
- ML Misc. Liquid
- OL Oil
- SL Sludge
- SO Soil Sediment
- AQ Aqueous
- RE Reagent
- PE Petroleum
- O (Please specify)

Preservative Type Codes

- A. None
- B. HNO3
- C. H2SO4
- D. NaOH
- E. HCL
- F. MeOH
- G. Na2S2O3
- H. NaHSO4
- I. Ice
- J. MCAA
- K. zn Acetate
- O. Other

REMARKS

SEE FIELD SHEETS FOR FIELD PARAMETERS

3193

ERIS Coolers #'s - Temp °C

121226 3 4 5

Item	Relinquished by	Short Hold	Circle QA/QC Report Level	EDD (Fees May Apply)	COC Condition	Required State Certification
1	Thomas Sirna				OK	FL GA SC NC NJ PA LA TX IL
2	Thomas Sirna					
3	Thomas Sirna					
4	Thomas Sirna					

C.O.C. Serial # 090751

Revision: F-ALL-C-007- Rev.00

Pompano Lab 954-582-4300

**CENTRAL COUNTY TRANSFER STATION Surface Water**

**SWA PERMIT # C.O.A. F.5.E. I & II**

1 Surface Site CTSW-1

1 Equipment Blank (CTSSE Blank)

**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)

**READ STAFF GAUGE**

**READ METER AT MASTER PUMP STATION**

2012 COC # 190751

# SOLID WASTE AUTHORITY

## DIVISION OF ENVIRONMENTAL PROGRAMS

### EQUIPMENT BLANK DATA SHEET

Facility Identification: Central County Transfer Station Facility GMS#

Sample Type: Grab

Sample Name: **CTSSEBLANK-101614** Date: **10-16-14**

Time: **10:00**

Equipment blanks are collected before sampling .

DI water supplied

by the Laboratory is poured into the precleaned equipment.

and then poured into the sample bottles.

This process is repeated until all sampling bottles are filled.

Notes and Comments

Weather: **SUNNY**

**+ COOL**  
**windy**

Conductivity on scale X05

PH < 2.0 in preservative

**Pace DT**  
**water LOT #1**  
**093014-423**  
**101314-424**

Bucket# **D**

Beaker# **A**

Field Parameters	Units	Standard Appearance
Temperature:	<b>22.9</b> C	Color: <b>Clear</b>  Odor: <b>no odor</b> <b>no sheen</b>
Specific Cond:	<b>4.6</b> uMHOS/cm	
Redox Potential	<b>#</b>	
PH:	<b>7.07</b> Std. Units	
Turb:	<b>0.45</b> NTU	
D.O.	Mg/L	

Sample Container Inventory

Quantity	Size	Type	Preservation	Analysis

Sampled By: *Murphy*

*Brenda Doury*

Method of Shipment *Pace*

# SOLID WASTE AUTHORITY

## DIVISION OF ENVIRONMENTAL PROGRAMS

### SURFACE SITE DATA SHEET

Facility Identification: **Central County Transfer Station**

Sample Type: **Grab**

Sample Name: **CTSW-1**  
 WACS Facility ID: **PBCC01**  
 WACS Test Site ID: **PBCC09**

Date: **10-16-14**  
 Time: **10:15**

Depth of Sample: ≈ 2-4"  
 Description: Adjacent to Storm water structure in pond  
staff gauge 10.09 (south)  
10.15 (North)  
meter Gauge in Box 502561

Notes and Comments

Weather: **SUNNY**  
**COOL windy**  
 Conductivity on scale X05  
 PH < 9.0 in preservative

Bucket# **D**  
 Beaker# **A**

Field Parameters	Units	Standard Appearance
Temperature:	<b>26.5</b> C	Color: <b>very light yellow</b> Odor: <b>No odor</b> <b>No sheen</b>
Specific Cond:	uMHOS/cm	
Specific Cond: ATC	<b>258</b> uMHOS/cm	
PH:	<b>6.73</b> Std. Units	
Turb:	<b>2.11</b> NTU	
D.O.	Mg/L	

Sample Container Inventory				
Quantity	Size	Type	Preservation	Analysis

Sampled By: Brenda Daury  
[Signature]

Method of Shipment Face



**Sample Condition Upon Receipt Form (SCUR)**

Client Name: PBSWA Project # 35159498

Color:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other

Training # \_\_\_\_\_  
 Cundy Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Date and Initials of person examining contents: 10/17/14 MR

Pating Material:  Bubble Wrap  Bubble Bags  None  Other  
 Thermometer Used T-185 Type of Ice: Wet Blue None

(Temp should be above freezing to 6°C. If below 0°C, reverts to per freezer)

Cool Temp: 2.1 (Visual) 0 (Correction Factor) 2.1 (Actual)  
2.6 0 2.6

Yes  No  
 Rush TAT requested on COC:

Receipt of samples satisfactory:  Yes  No

If yes, then all conditions below were met:

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"/>
Required Signature & Sampler Name COC	<input type="checkbox"/>
Samples Arrived within Hold Time	<input type="checkbox"/>
Sufficient Volume	<input type="checkbox"/>
Cooler 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"/>
Atmometers needing preservation are found to be in conformance with EPA recommendation.	<input type="checkbox"/>
No headspace in VOA Vials (>6mm):	<input type="checkbox"/>

Chain of Custody Resolution: \_\_\_\_\_  
 Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

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

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

Finished Product Information Only	
Sample ID: _____	Size & Qty of Bottles Received
Function Code: _____	_____ x 5 Gal
Date/Time Collected: _____	_____ x 2.5 Gal
Volume of Unopened Containers Remaining: _____	_____ x 1 Gal
	_____ x 1 Liter
	_____ x 500 mL
	_____ x 250 mL
	_____ x Other: _____
Is this Sample in Shelf: Yes <input type="checkbox"/> No <input type="checkbox"/>	