



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

Pace Project Number: 35148189
Report Period: 2014/Q3

RECEIVED

SEP 08 2014

Client Project ID: Central County Transfer Statio

Lab Sample ID

Client Sample ID

35148189001
35148189002
35148189003

CTSSE BLANK -073014
CTSW-1
Metals Trip Blank -073014

Sincerely,

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

Martha Montero

Florida Certifications:

E83079 - Ormond Beach
E86240 - South Florida
E87627 - Charlotte

Pace Analytical Services, Inc.

Project Name : Central County Transfer Station

Diameter (in) : 0
 Depth to Water (ft) : 0
 Total Depth (ft) : 0
 Top of Casing (ft) : 0
 Evacuation (gal) : 0

Order # : 35148189001
 Sheen : No sheen
 Color : Clear
 Odor : No odor
 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 : CTSSE BLANK -073014
 Classification of Ground Water : SW-IIIF
 Groundwater Elevation (NGVD) : _____

Sampling Date/Time : 07/30/2014 10:00
 Report Period : 2014/Q3
 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		07/30/2014 10:00	1.9 umhos/cm		umhos/cm	1
000010	Field Temperature	Grab	N		07/30/2014 10:00	24.5 deg C		deg C	1
000664	Field pH	Grab	N		07/30/2014 10:00	7.26 Std. Units		Std. Units	1
082078	Turbidity	Grab	N		07/30/2014 10:00	0.12 NTU		NTU	1

OTHER

000593	Chloride	Grab	N	EPA 300.0	08/03/2014 07:59	<2.5 mg/L	2.5	5.0	mg/L	1
000945	Sulfate	Grab	N	EPA 300.0	08/03/2014 07:59	<2.5 mg/L	2.5	5.0	mg/L	1
000599	Nitrogen, Ammonia	Grab	N	EPA 350.1	07/31/2014 13:21	<0.020 mg/L	0.020	0.050	mg/L	1
000601	Nitrogen, Kjeldahl, Total	Grab	N	EPA 351.2	08/06/2014 10:22	<0.086 mg/L	0.086	0.50	mg/L	1
000620	Nitrogen, Nitrate	Grab	N	EPA 353.2	07/31/2014 09:33	<0.029 mg/L	0.029	0.050	mg/L	1
000340	Chemical Oxygen Demand	Grab	N	EPA 410.4	08/07/2014 14:11	<12.5 mg/L	12.5	20.0	mg/L	1
000410	Alkalinity, Total as CaCO3	Grab	N	SM 2320B	08/05/2014 18:02	<5.0 mg/L	5.0	5.0	mg/L	1
000515	Total Dissolved Solids	Grab	N	SM 2540C	08/05/2014 17:20	<5.0 mg/L	5.0	5.0	mg/L	1
038260	MBAS, Calculated as LAS	Grab	N	SM 5540C	07/31/2014 12:25	<0.059 mg/L	0.059	0.20	mg/L	1

INORGANICS

001002	Arsenic	Grab	N	EPA 6010	08/04/2014 14:47	<5.0 ug/L	5.0	10.0	ug/L	1
001007	Barium	Grab	N	EPA 6010	08/04/2014 14:47	<5.0 ug/L	5.0	10.0	ug/L	1
001034	Chromium	Grab	N	EPA 6010	08/04/2014 14:47	<2.5 ug/L	2.5	5.0	ug/L	1
001045	Iron	Grab	N	EPA 6010	08/04/2014 14:47	<20.0 ug/L	20.0	40.0	ug/L	1
000929	Sodium	Grab	N	EPA 6010	08/04/2014 14:47	<0.50 mg/L	0.50	1.0	mg/L	1
001027	Cadmium	Grab	N	EPA 6020	08/07/2014 23:59	<0.050 ug/L	0.050	0.10	ug/L	1
001042	Copper	Grab	N	EPA 6020	08/07/2014 23:59	<0.93 ug/L	0.93	1.0	ug/L	1
000572	Lead	Grab	N	EPA 6020	08/07/2014 23:59	<0.50 ug/L	0.50	1.0	ug/L	1
001147	Selenium	Grab	N	EPA 6020	08/07/2014 23:59	<0.50 ug/L	0.50	1.0	ug/L	1
000576	Mercury	Grab	N	EPA 7470	08/07/2014 16:41	<0.10 ug/L	0.10	0.20	ug/L	1

ORGANICS

	Oil and Grease	Grab	N	EPA 1664B	08/03/2014 19:45	<1.1 mg/L	1.1	5.0	mg/L	1
	Total Petroleum Hydrocarbons	Grab	N	EPA 1664B	08/22/2014 14:09	<5.0 mg/L	5.0	5.0	mg/L	1

Pace Analytical Services, Inc.

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

Order # : 35148189002
 Sheen : No sheen
 Color :
 Odor :
 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 : 07/30/2014 10:15
 Report Period : 2014/Q3
 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		07/30/2014 10:15	192 umhos/cm		umhos/cm	1
000010	Field Temperature	Grab	N		07/30/2014 10:15	30.5 deg C		deg C	1
000664	Field pH	Grab	N		07/30/2014 10:15	8.39 Std. Units		Std. Units	1
082078	Turbidity	Grab	N		07/30/2014 10:15	1.78 NTU		NTU	1

OTHER

000593	Chloride	Grab	N	EPA 300.0	08/03/2014 08:18	19.3 mg/L	2.5	5.0	mg/L	1
000945	Sulfate	Grab	N	EPA 300.0	08/03/2014 08:18	19.5 mg/L	2.5	5.0	mg/L	1
000599	Nitrogen, Ammonia	Grab	N	EPA 350.1	07/31/2014 13:23	<0.020 mg/L	0.020	0.050	mg/L	1
000601	Nitrogen, Kjeldahl, Total	Grab	N	EPA 351.2	08/06/2014 10:24	0.47 l mg/L	0.086	0.50	mg/L	1
000620	Nitrogen, Nitrate	Grab	N	EPA 353.2	07/31/2014 09:37	<0.029 mg/L	0.029	0.050	mg/L	1
000340	Chemical Oxygen Demand	Grab	N	EPA 410.4	08/07/2014 14:11	31.8 mg/L	12.5	20.0	mg/L	1
000410	Alkalinity, Total as CaCO3	Grab	N	SM 2320B	08/05/2014 18:11	34.9 mg/L	5.0	5.0	mg/L	1
000515	Total Dissolved Solids	Grab	N	SM 2540C	08/05/2014 17:21	104 mg/L	5.0	5.0	mg/L	1
038260	MBAS, Calculated as LAS	Grab	N	SM 5540C	07/31/2014 12:25	<0.059 mg/L	0.059	0.20	mg/L	1

INORGANICS

001002	Arsenic	Grab	N	EPA 6010	08/04/2014 15:03	<5.0 ug/L	5.0	10.0	ug/L	1
001007	Barium	Grab	N	EPA 6010	08/04/2014 15:03	5.6 l ug/L	5.0	10.0	ug/L	1
001034	Chromium	Grab	N	EPA 6010	08/04/2014 15:03	<2.5 ug/L	2.5	5.0	ug/L	1
001045	Iron	Grab	N	EPA 6010	08/04/2014 15:03	<20.0 ug/L	20.0	40.0	ug/L	1
000929	Sodium	Grab	N	EPA 6010	08/04/2014 15:03	13.0 mg/L	0.50	1.0	mg/L	1
001027	Cadmium	Grab	N	EPA 6020	08/08/2014 00:08	<0.050 ug/L	0.050	0.10	ug/L	1
001042	Copper	Grab	N	EPA 6020	08/08/2014 00:08	0.94 l ug/L	0.93	1.0	ug/L	1
000572	Lead	Grab	N	EPA 6020	08/08/2014 00:08	<0.50 ug/L	0.50	1.0	ug/L	1
001147	Selenium	Grab	N	EPA 6020	08/08/2014 00:08	<0.50 ug/L	0.50	1.0	ug/L	1
000576	Mercury	Grab	N	EPA 7470	08/07/2014 16:43	<0.10 ug/L	0.10	0.20	ug/L	1

ORGANICS

	Oil and Grease	Grab	N	EPA 1664B	08/03/2014 19:45	1.4 l mg/L	1.1	5.0	mg/L	1
	Total Petroleum Hydrocarbons	Grab	N	EPA 1664B	08/22/2014 14:10	<5.0 mg/L	5.0	5.0	mg/L	1

Pace Analytical Services, Inc.

Project Name : Central County Transfer Statio

Diameter (in) : 0

Depth to Water (ft) : 0

Total Depth (ft) : 0

Top of Casing (ft) : 0

Evacuation (gal) : 0

Order # : 35148189003

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 : 07/30/2014 00:00

Test Side ID # : CTSSEB-

Report Period : 2014/Q3

Well Name : Metals Trip Blank -073014

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	

INORGANICS

001002	Arsenic	Grab	N	EPA 6010	08/04/2014 15:07	<5.0 ug/L	5.0	10.0	ug/L	1
001007	Barium	Grab	N	EPA 6010	08/04/2014 15:07	<5.0 ug/L	5.0	10.0	ug/L	1
001034	Chromium	Grab	N	EPA 6010	08/04/2014 15:07	<2.5 ug/L	2.5	5.0	ug/L	1
001045	Iron	Grab	N	EPA 6010	08/04/2014 15:07	<20.0 ug/L	20.0	40.0	ug/L	1
000929	Sodium	Grab	N	EPA 6010	08/04/2014 15:07	<0.50 mg/L	0.50	1.0	mg/L	1
001027	Cadmium	Grab	N	EPA 6020	08/08/2014 00:11	<0.050 ug/L	0.050	0.10	ug/L	1
001042	Copper	Grab	N	EPA 6020	08/08/2014 00:11	<0.93 ug/L	0.93	1.0	ug/L	1
000572	Lead	Grab	N	EPA 6020	08/08/2014 00:11	<0.50 ug/L	0.50	1.0	ug/L	1
001147	Selenium	Grab	N	EPA 6020	08/08/2014 00:11	<0.50 ug/L	0.50	1.0	ug/L	1
000576	Mercury	Grab	N	EPA 7470	08/07/2014 16:46	<0.10 ug/L	0.10	0.20	ug/L	1

WO#: 35148189

Page 1 of 2



35148189

Pace Analytical
www.pacelabs.com

Company Name: PB SWA PO#
 Address: 7801 N. 306 RD State: HI Zip: 33412
 City: WAB Phone: 640-400
 Attn: Thomas Sirns Fax#: 640-340
 email: Central County TRANSFER STATION
 Project: SURFACE WATER
 Name: MAIVAREZ
 Sampler Signature: Brenda Vazquez
 Circle One Event: Quarterly Monthly Weekly Annual N/A

Sample ID	Collect Date	Collect Time	Matrix Code	Field Integrity	Field	Container Integrity	Total # of Containers
1	7:30N	10:00	AFW				6
2	7:31Y	10:15	S				6
3							
4							1
5							
6							
7							
8							
9							
10							

Parameters

SEE PAGE 4 LETTER OF JULY 1, 2014

LAB ANALYSIS

Container Type Codes

ES Encore Shrinker
 PPV Prepreserved Vial
 PL C Plastic container
 P Plastic Jar
 AL Amber Litr
 CL Clear Litr
 Z Ziploc bag
 WWP Wash Jar
 SJ Amber Glass
 G Gallon Jug
 TC Tann-core
 Other: Prepreserved vial
 PPV 2oz, 4oz, 8oz, 16oz, 32oz or 1L, other
 40ml 50ml 250ml 125 ml
 Example: 40CP = 4oz Plastic, 3035M = 3oz Soil Jar

Matrix Codes

SD Solid Waste
 CW Ground Water
 EFF Effluent
 AFW Analyte Free H2O
 WW Wash Water
 DW Drinking Water
 SW Surface Water
 ML Misc. Liquid

Preservative Type Codes

A. None
 B. HNO3
 C. H2SO4
 D. NaOH
 E. HCl
 F. MeOH
 G. Na2SO3
 H. NaHSO4
 I. Ice
 J. MCAA
 K. Zn Acetate
 O. Other

REMARKS

See field sheets for field parameters

Relinquished by: Brenda Vazquez
 Date: 7-30-14
 Time: 16:00

Received by: M W
 Date: 7-30-14
 Time: 17:30

EDD (Fees May Apply):
 ADHPT SEDD ERP/MS TSV
 CSV Other

Circle CA/OC Report Level:
 1 2 3 4 CLP AFCEE
 QAPP Other

Short Hold: Y ___ N ___

Required State Certification:
 FL GA SC NC NJ
 PA LA TX IL

COC Condition: OK incomplete
 Date: 7-30-14
 Time: 15:00

7-30-14
 23:30

Non-Contaminant Found?
 Samples INTACT upon arrival?
 Received on Wet Ice?
 Proper Preservatives Indicated?
 Custody seals intact?
 Vials/boxes rec'd without contamination?
 Proper Containers Used?

C.O.C. Serial #: 65264

Pompano Lab 954-582-4300
 Revision: F-ALL-C-007-Rev.00

CENTRAL COUNTY TRANSFER STATION

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

SURFACE WATER

1 Surface Site CTSW-1

1 Equipment Blank CTSSE Blank-

1 Field Blank CTSSF Blank- *Optional

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 and Read Meter at Pump Station

2 of 2 65264

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: 7-30-14
Time: 10:15

Depth of Sample: ≈ 2-4"
Description: Adjacent to Storm water structure in pond
staff gauge North 9.21
staff gauge South 9.15
meter - 436418

Notes and Comments
Weather: **SUNNY + hot + humid**
Conductivity on scale X US
PH < 2.0 in preservative

Field Parameters	Units	Standard Appearance
Temperature:	30.5 C	Color: very light yellow Odor: No odor No sheen
Specific Cond:	uMHOS/cm	
Specific Cond: ATC	192 uMHOS/cm	
PH:	8.39 Std. Units	
Turb:	1.78 NTU	
D.O.	— Mg/L	

Bucket# A
Beaker# A

Sample Container Inventory				
Quantity	Size	Type	Preservation	Analysis

Sampled By: Brenda Deeney
Mark C

Method of Shipment Pace



Document Name:
 Sample Condition Upon Receipt Form
 Form No.:
 C-007 rev. 05

October 9, 2013
 Iss: _____
 With: _____
 Pace F. _____
 Quality Office

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Client Name: PBSWA

Project # 35148189

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking # _____

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

Date and Initials of person examining contents: 7/30/14 M.R.

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer Used T-1168 Type of Ice: Wet Blue None

Cooler Temperature: 0.3 (Visual) -0.1 (Correction Factor) 6.2 (Actual)

(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 checked="" 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: _____	Size & Qty of Bottles Received
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	