



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

Pace Project Number: 35345771
Report Period: 2017/Q4

RECEIVED
DEC 05 2017

Client Project ID: Central Transfer Station Surfa

Lab Sample ID	Client Sample ID
35345771001	CTSSE BLANK -110217
35345771002	CTSW-1

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

Order # : 35345771001

Diameter (in) :

Sheen : No sheen

Depth to Water (ft) :

Color : Clear

Total Depth (ft) :

Odor : None

Top of Casing (ft) :

Matrix : DI Water

PARAMETER MONITORING REPORT

Part III Analytical Results

Facility WACS ID : PBCC01

Sampling Date/Time : 11/02/2017 09:45

Test Site ID # : NA

Report Period : 2017/Q4

Well Name : CTSSE BLANK -110217

Well Purge (Y/N) : NA

Classification of Ground Water : Equipment Blank

Well Type : () Background () Compliance

Groundwater Elevation (NGVD) : _____

() Intermediat (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		11/02/2017 09:45	8.1 umhos/cm			umhos/cm	1
000010	Field Temperature	Grab	N		11/02/2017 09:45	21.9 deg C			deg C	1
000664	Field pH	Grab	N		11/02/2017 09:45	6.42 Std. Units			Std. Units	1
082078	Turbidity	Grab	N		11/02/2017 09:45	0.21 NTU			NTU	1

OTHER

000593	Chloride	Grab	N	EPA 300.0	11/03/2017 23:27	<2.5 mg/L	2.5	5.0	mg/L	1
000945	Sulfate	Grab	N	EPA 300.0	11/03/2017 23:27	<2.5 mg/L	2.5	5.0	mg/L	1
000599	Nitrogen, Ammonia	Grab	N	EPA 350.1	11/16/2017 11:28	<0.020 mg/L	0.020	0.050	mg/L	1
000601	Nitrogen, Kjeldahl, Total	Grab	N	EPA 351.2	11/15/2017 15:32	<0.086 mg/L	0.086	0.50	mg/L	1
000620	Nitrogen, Nitrate	Grab	N	EPA 353.2	11/03/2017 17:21	<0.025 mg/L	0.025	0.050	mg/L	1
000340	Chemical Oxygen Demand	Grab	N	EPA 410.4	11/14/2017 19:12	<12.5 mg/L	12.5	20.0	mg/L	1
000410	Alkalinity, Total as CaCO3	Grab	N	SM 2320B	11/10/2017 11:24	<5.0 mg/L	5.0	5.0	mg/L	1
000515	Total Dissolved Solids	Grab	N	SM 2540C	11/09/2017 18:35	<5.0 mg/L	5.0	5.0	mg/L	1
038260	MBAS, Calculated as LAS	Grab	N	SM 5540C	11/04/2017 09:37	<0.099 mg/L	0.099	0.20	mg/L	1

INORGANICS

001002	Arsenic	Grab	N	EPA 6010	11/12/2017 20:15	<5.0 ug/L	5.0	10.0	ug/L	1
001007	Barium	Grab	N	EPA 6010	11/12/2017 20:15	<5.0 ug/L	5.0	10.0	ug/L	1
001034	Chromium	Grab	N	EPA 6010	11/12/2017 20:15	<2.5 ug/L	2.5	5.0	ug/L	1
001045	Iron	Grab	N	EPA 6010	11/12/2017 20:15	<20.0 ug/L	20.0	40.0	ug/L	1
000929	Sodium	Grab	N	EPA 6010	11/12/2017 20:15	<0.50 mg/L	0.50	1.0	mg/L	1
001027	Cadmium	Grab	N	EPA 6020	11/07/2017 20:04	<0.050 ug/L	0.050	0.10	ug/L	1
001042	Copper	Grab	N	EPA 6020	11/07/2017 20:04	<0.93 ug/L	0.93	1.0	ug/L	1
000572	Lead	Grab	N	EPA 6020	11/07/2017 20:04	<0.50 ug/L	0.50	1.0	ug/L	1
001147	Selenium	Grab	N	EPA 6020	11/07/2017 20:04	<0.50 ug/L	0.50	1.0	ug/L	1
000576	Mercury	Grab	N	EPA 7470	11/08/2017 10:17	<0.10 ug/L	0.10	0.20	ug/L	1

ORGANICS

	Oil and Grease	Grab	N	EPA 1664B	11/10/2017 05:16	<1.1 mg/L	1.1	5.0	mg/L	1
	Petroleum Range Organics	Grab	N	FL-PRO	11/06/2017 19:27	<0.82 mg/L	0.82	1.0	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) :

Order # : 35345771002

Sheen : No sheen

Color : Very light yellow

Odor : None

Matrix : Surface Water

PARAMETER MONITORING REPORT

Part III Analytical Results

Facility WACS ID : PBCC01

Sampling Date/Time : 11/02/2017 10:00

Test Site ID # : PBCC09

Report Period : 2017/Q4

Well Name : CTSW-1

Well Purge (Y/N) : N

Classification of Ground Water : SW-IIIF

Well Type : () Background () Compliance

Groundwater Elevation (NGVD) : _____

() Intermediat (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		11/02/2017 10:00	318 umhos/cm			umhos/cm	1
000010	Field Temperature	Grab	N		11/02/2017 10:00	23.7 deg C			deg C	1
000664	Field pH	Grab	N		11/02/2017 10:00	7.00 Std. Units			Std. Units	1
082078	Turbidity	Grab	N		11/02/2017 10:00	3.11 NTU			NTU	1

OTHER

000593	Chloride	Grab	N	EPA 300.0	11/07/2017 02:56	25.6 mg/L	2.5	5.0	mg/L	1
000945	Sulfate	Grab	N	EPA 300.0	11/07/2017 02:56	14.5 mg/L	2.5	5.0	mg/L	1
000599	Nitrogen, Ammonia	Grab	N	EPA 350.1	11/16/2017 11:30	0.039 Img/L	0.020	0.050	mg/L	1
000601	Nitrogen, Kjeldahl, Total	Grab	N	EPA 351.2	11/15/2017 15:33	0.80 mg/L	0.086	0.50	mg/L	1
000620	Nitrogen, Nitrate	Grab	N	EPA 353.2	11/03/2017 17:22	<0.025 mg/L	0.025	0.050	mg/L	1
000340	Chemical Oxygen Demand	Grab	N	EPA 410.4	11/14/2017 19:12	40.4 mg/L	12.5	20.0	mg/L	1
000410	Alkalinity, Total as CaCO3	Grab	N	SM 2320B	11/10/2017 11:30	107 mg/L	5.0	5.0	mg/L	1
000515	Total Dissolved Solids	Grab	N	SM 2540C	11/09/2017 18:35	172 mg/L	5.0	5.0	mg/L	1
038260	MBAS, Calculated as LAS	Grab	N	SM 5540C	11/04/2017 09:37	<0.099 mg/L	0.099	0.20	mg/L	1

INORGANICS

001002	Arsenic	Grab	N	EPA 6010	11/12/2017 20:21	<5.0 ug/L	5.0	10.0	ug/L	1
001007	Barium	Grab	N	EPA 6010	11/12/2017 20:21	10.4 ug/L	5.0	10.0	ug/L	1
001034	Chromium	Grab	N	EPA 6010	11/12/2017 20:21	<2.5 ug/L	2.5	5.0	ug/L	1
001045	Iron	Grab	N	EPA 6010	11/12/2017 20:21	88.2 ug/L	20.0	40.0	ug/L	1
000929	Sodium	Grab	N	EPA 6010	11/12/2017 20:21	16.3 mg/L	0.50	1.0	mg/L	1
001027	Cadmium	Grab	N	EPA 6020	11/07/2017 20:06	<0.050 ug/L	0.050	0.10	ug/L	1
001042	Copper	Grab	N	EPA 6020	11/07/2017 20:06	<0.93 ug/L	0.93	1.0	ug/L	1
000572	Lead	Grab	N	EPA 6020	11/07/2017 20:06	<0.50 ug/L	0.50	1.0	ug/L	1
001147	Selenium	Grab	N	EPA 6020	11/07/2017 20:06	<0.50 ug/L	0.50	1.0	ug/L	1
000576	Mercury	Grab	N	EPA 7470	11/08/2017 10:19	<0.10 ug/L	0.10	0.20	ug/L	1

ORGANICS

	Oil and Grease	Grab	N	EPA 1664B	11/10/2017 05:16	<1.1 mg/L	1.1	5.0	mg/L	1
	Petroleum Range Organics	Grab	N	FL-PRO	11/06/2017 19:27	<0.83 mg/L	0.83	1.0	mg/L	1

NO#: 35345771



CHAIN OF CUSTODY RECORD

LAB W.O # _____

Quote: _____

Page 1 of 2

AV	Amber Vial	ES	Enzo Sampler
CV	Clear Vial	PPV	Prepropped vial
P	Plastic	PLC	Plastic container
AL	Amber Litr	PLJ	Plastic Jar
CL	Clear Litr	ZLJ	Zinc Jar
AP	Amber Plastic	TP	Trojan bag
AG	Amber Glass	WP	Whirl pak
SJ	Soil Jar	G	Gallon Jug
Other		TC	Term-core

SD	Solid Waste	OL	Oil
GW	Ground Water	SL	Sludges
EFF	Effluent	SO	Soil Sediment
AFW	Analyte Free H2O	AO	Aqueous
WW	Waste Water	NA	Nonaqueous
DW	Drinking Water	PE	Petroleum
SW	Surface Water	O	Other
ML	Misc. Liquid		(Please specify)

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

Sample #	Sample	Parameters	Letter of: See page 10-2-17	# of Containers Size/Type	REMARKS
1	TRC	pH		1 / 16ozP	Profile
2	Pres Codes				None provided
3					
4					
5					
6					
7					
8					
9					
10					

Item	Relinquished by	Date	Time	Affiliation	Received by	Date	Time	COC Condition	Required State Certification	Coolers #'s - Temp °C	
										FL GA SC NC NJ	PA LA TX IL
1	Brandon Jolley	11-2-17	13:00	Paw	[Signature]	11/2/17	15:30	ok		122	1301
2	[Signature]	11/2/17	17:15	Paw	[Signature]	11/3/17	0300				
3											
4											

Company: **PS SWA** PO# _____
 Address: **7501 N. Jog Road, WPB, FL 33412**
 Contact: **Thomas Sirna** State: _____ Zip: _____
 Phone: **561 640-4000** Fax# _____
 Fax: **561 640-3400** Phone: _____
 Project Name: **Central County Broward Station**
 Sampler Name: **Surf area Water**
 Signature: **Brandon Jolley** Circle One: Daily Weekly Monthly
 Frequency: **Monthly** Approval: **TRIA**
 Sample ID: _____ Matrix Code: _____
 Collect Date: _____ Collect Time: _____
 Filed: _____ Filled: _____
 Integ (Y/N): _____ Total # of containers: _____
 Short Hold: _____ Y: _____ N: _____
 Circle QA/QC Report Level: _____
 ADAPT: _____ SEDD: _____ ERPIMS: _____ TSV: _____
 CSV: _____ Other: _____
 Relinquished by: _____ Today: 1D 2D 3D 4D 5D
 RUSH: _____
 Credit T.A.T. REQUEST (Rush Fees Approved): _____
 Revision: F-ALL-C-007- Rev.00
 Pompano Lab 954-582-4300
 C.O.C. Serial # 121658

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
Barium
Cadmium

Chromium
Copper
Iron

Lead
Mercury

Sodium
Selenium

B. Indicator Parameters

Ammonia Nitrogen
Total Alkalinity
C.O.D.

Nitrate N
TKN (Total Kjeldahl Nitrogen)
TDS (Total Dissolved Solids)

Oil & Grease
Sulfate
Chloride

TRPH (Total Recoverable Petroleum Hydrocarbons)
Foaming Agents (MBAS)

C. Field Parameters

Conductivity (field)
pH (field)
Temperature (field)
Turbidity (field)

READ STAFF GUAGE

READ METER AT MASTER PUMP STATION

2 of 2 COC 121658

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-110217**

Date: 11-2-17

Time: 9:45

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
+ warm

Conductivity on scale X05

PH < 2.0 in preservative

Field Parameters	Units	Standard Appearance	
Temperature:	21.9 C	Color: clear	Pace DI water Lot # 100417 4L-7 Bucket# 14 Beaker# E
Specific Cond:	8.1 uMHOS/cm	Odor: no odor	
Redox Potential		no shreen	
PH:	6.42 Std. Units		
Turb:	0.21 NTU		
D.O.	- Mg/L		

Sample Container Inventory

Quantity	Size	Type	Preservation	Analysis

Sampled By Brenda Daune

[Signature]

Method of Shipment Pace



Document Name:
Sample Condition Upon Receipt Form
Document No.:
F-FL-C-007 rev. 12

Document Revised:
August 2, 2017
Issuing Authority:
Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project # **WO# : 35345771**

Project Manager: **PM: MIM** Due Date: **11/13/17**
Client: **CLIENT: 36-PBCSWA**

Date and Initials of person:
Examining contents: _____
Label: _____
Deliver: TCM
pH: _____

Thermometer Used: T-301 Date: 11/13/17 Time: 0300 Initials: AS

Slate of Origin: _____

Cooler #1 Temp. °C 2-1 (Visual) FO-1 (Correction Factor) 2-2 (Actual) Samples on ice, cooling process has begun
Cooler #2 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Samples on ice, cooling process has begun
Cooler #3 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Samples on ice, cooling process has begun
Cooler #4 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Samples on ice, cooling process has begun
Cooler #5 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Samples on ice, cooling process has begun
Cooler #6 Temp. °C _____ (Visual) _____ (Correction Factor) _____ (Actual) Samples on ice, cooling process has begun

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____
Shipping Method: First Overnight Priority Overnight Standard Overnight Ground International Priority
 Other _____
Billing: Recipient Sender Third Party Credit Card Unknown

Tracking # _____

Custody Seal on Cooler/Box Present: Yes No Seals Intact: Yes No Ice: Wet Blue Dry None
Packing Material: Bubble Wrap Bubble Bags None Other _____
Samples shorted to lab (If Yes, complete) Shorted Date: _____ Shorted Time: _____ Qty: _____

Comments:

Chain of Custody Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Preservation Information: Preservative: _____ Lot #/Trace #: _____ Date: _____ Time: _____ Initials: _____
Chain of Custody Filled Out	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Relinquished Signature & Sampler Name COC	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Samples Arrived within Hold Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Rush TAT requested on COC	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Sufficient Volume	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Correct Containers Used	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Sample Labels match COC (sample IDs & date/time of collection)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
All containers needing acid/base preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
All Containers needing preservation are found to be in compliance with EPA recommendation: Exceptions: VOA, Coliform, TOC, O&G, Carbamates	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Headspace in VOA Vials? (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

Client Notification/ Resolution:
Person Contacted: _____ Date/Time: _____

Comments/ Resolution (use back for additional comments):

Project Manager Review: _____ Date: _____