Pace Analytical Services, Inc.
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

March 04, 2015

John McKeon
City of New Port Richey Water Treatment Plant
9748 Decubellis Road
New Port Richey, FL 34654

RE: Project: FL6511255 - SE1
Pace Project No.: 35176619

Dear John McKeon:
Enclosed are the analytical results for sample(s) received by the laboratory on February 24, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Todd Rea
todd.rea@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: FL6511255 - SE1
Pace Project No.: 35176619

Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Connecticut Certification #: PH-0216
Delaware Certification: FL NELAC Reciprocity
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Illinois Certification #: 200068
Indiana Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: FL NELAC Reciprocity
Louisiana Environmental Certificate #: 05007
Maryland Certification: #346
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Missouri Certification #: 236
Montana Certification #: Cert 0074
Nebraska Certification: NE-OS-28-14
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
Pennsylvania Certification #: 68-00547
Puerto Rico Certification #: FL01264
South Carolina Certification: #96042001
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
US Virgin Islands Certification: FL NELAC Reciprocity
Virginia Environmental Certification #: 460165
Washington Certification #: C955
West Virginia Certification #: 9962C
Wisconsin Certification #: 399079670
Wyoming (EPA Region 8): FL NELAC Reciprocity

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
8 East Tower Circle
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SAMPLE SUMMARY

Project: FL6511255 - SE1
Pace Project No.: 35176619

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35176619001	**EPTDS**	Drinking Water	02/23/15 09:15	02/24/15 05:10
35176619002	**DSMRT**	Drinking Water	02/23/15 10:00	02/24/15 05:10

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SAMPLE ANALYTE COUNT

Project: FL6511255 - SE1
Pace Project No.: 35176619

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35176619001	**EPTDS**	EPA 218.7	TK1	1	PASI-O
35176619002	**DSMRT**	EPA 218.7	TK1	1	PASI-O

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SUMMARY OF DETECTION

Project: FL6511255 - SE1
Pace Project No.: 35176619

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
35176619001	**EPTDS**					
EPA 218.7	Chromium, Hexavalent	0.027 I	ug/L	0.030	03/02/15 17:32	
35176619002	**DSMRT**					
EPA 218.7	Chromium, Hexavalent	0.020 I	ug/L	0.030	03/02/15 17:45	

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ANALYTICAL RESULTS

Project: FL6511255 - SE1
Pace Project No.: 35176619

Sample: EPTDS **Lab ID: 35176619001** Collected: 02/23/15 09:15 Received: 02/24/15 05:10 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Hexavalent Chromium by IC	Analytical Method: EPA 218.7								
Chromium, Hexavalent	**0.027 I**	ug/L	0.030	0.010	1		03/02/15 17:32	18540-29-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: FL6511255 - SE1
Pace Project No.: 35176619

Sample: DSMRT **Lab ID: 35176619002** Collected: 02/23/15 10:00 Received: 02/24/15 05:10 Matrix: Drinking Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Hexavalent Chromium by IC	Analytical Method: EPA 218.7								
Chromium, Hexavalent	**0.020 I**	ug/L	0.030	0.010	1		03/02/15 17:45	18540-29-9	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FL6511255 - SE1
Pace Project No.: 35176619

QC Batch: WETA/44099 Analysis Method: EPA 218.7
QC Batch Method: EPA 218.7 Analysis Description: Chromium, Hexavalent UCMR IC
Associated Lab Samples: 35176619001, 35176619002

METHOD BLANK: 1143631 Matrix: Water
Associated Lab Samples: 35176619001, 35176619002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium, Hexavalent	ug/L	0.010 U	0.030	03/02/15 14:43	

LABORATORY CONTROL SAMPLE: 1143632

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	ug/L	.075	0.080	107	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1143633 1143634

Parameter	Units	35176285007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium, Hexavalent	ug/L	0.36	.05	.05	0.41	0.42	93	123	85-115	4	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1143635 1143636

Parameter	Units	35176660003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium, Hexavalent	ug/L	0.022 I	.075	.075	0.091	0.092	92	93	85-115	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: FL6511255 - SE1
Pace Project No.: 35176619

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Compound was analyzed for but not detected.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FL6511255 - SE1
Pace Project No.: 35176619

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35176619001	**EPTDS**	EPA 218.7	WETA/44099		
35176619002	**DSMRT**	EPA 218.7	WETA/44099		

WO# : 35176619

35176619

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est Document

e completed accurately.

Page: 1 of 1

Section A Required Client Information:

Company: City of New Port Richey	
Address: 9748 Decubellis Rd	
New Port Richey, Fl, 34654	
Email To:	
Phone:	Fax:
Requested Due Date/TAT:	

Section B Required Project Information:

Report To: John McKeon	
Copy To:	
Purchase Order No.:	
Project Name: UCMR-3	
Project Number:	

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager: Todd Rea	
Pace Profile #: 7004	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER_____

Site Location State: FL

Requested Analysis Filtered (Y/N)

Section D Required Client Information

SAMPLE ID
One Character per box.
(A-Z, 0-9 / ,-)
Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	Composite Start TIME	Composite End/Grab DATE	Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	218.7 Hex Chrome	Residual Chlorine Y/N	Pace Project Number Lab I.D.
1	POE	DW	G			2/23/15	915		1								1		1		
2	MRT	DW	G			2/23/15	1000		1								1		1		
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
	2/23/15	1200	TNA Pace	2/24/15	0510

SAMPLE CONDITIONS

Temp in °C	Received on Ice Y/N	Custody Sealed Cooler	Samples Intact Y/N
0.3	Y	N	
TBR			

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: James Stockbridge

SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY) 2/23/15

E-File,(ALLQ020rev.3,31Mar05), 13Jun2005

Field Sampling Log

Arrived on Site Date 2/23/15 Time: 0830 Departed Site 2/23/15 Time: 1100

Sampler's Signature [signature] Sampler's Name James Strickbridge

CLIENT NAME: City of New Port Richey PROJECT NAME: UCMR-3

CLIENT CONTACT: John McKuon SITE CONTACT: John McKuon

Personnel on Site:

SITE Location: New Port Richey, FL

Ambient Conditions:

Brief Description of Field Activities: Collect Grab Samples

Field Equipment Used: None

Decon Procedures: Yes / No If Yes. Please Describe

Field Filtering: Yes / No If Yes. Please Describe

Sample Matrix: (DW) GW WW SU STW SO SE ML Other:

Physical Characteristics of Sample :

Sampling Method: GRAB ✓ COMPOSITE

For Composite Sampling; Document Sampling Procedure for Collecting a Representative Sample:

QC Blanks: Precleaned EQB Field Cleaned EQB

Field Blanks Trip Blanks QC Samples: Duplicate Replicate Samples

Split Samples(explain)

Sx. Location	Date and Time	Parameters	Appearance	Odor	pH	Temp °C	Conductivity	DO	Turbidity	Cl
POE	2/23/15 0915		Clear	none	7.04	20.68	466	6.15	0.41	83.5
MRT	2/23/15 1000		Clear	none	6.95	19.44	460	4.09	0.32	735

Calibration of Meters

Meter	Y / N	Standard	Slope	Variance	Value

Other Notation's or Anomalies:

Pace Analytical	Document Name: Sample Condition Upon Receipt UCMR	Document Revised: January 27, 2015
	Document No.: F-FL-C-047 rev. 00	Issuing Authority: Pace Florida Quality Office

Sample Condition Upon Receipt Form (SCUR) For UCMR 3 Projects

Table Number: _____

Client Name: New Port Richey Project # 35176019

Courr: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☑ Commercial ☐ Pace ☐ Other _____

Tracking # _____

Custdy Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Date and Initials of person examining contents: 2/24/15 TH 0510

Packg Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☑ Other _____

Thermometer Used T187 Type of Ice: (Wet) Blue None

(tempmust be read from both EPA522 and EPA524.3, if either is outside range then note on SCUR and notify PM, if either is within ±0.5 ° C of acceptance temperature then every container in cooler must be measured)

Cooler #1 Temperature'C	0.3 (Visual)	0 (Correction Factor)	0.3 (Actual)	(Temp should be above freezing to 6°C). If below 0°C, then was sample frozen? Yes or No (circle)
Cooler #2 Temperature'C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	(Temp should be above freezing to 6°C). If below 0°C, then was sample frozen? Yes or No (circle)
Cooler #3 Temperature'C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	(Temp should be above freezing to 6°C). If below 0°C, then was sample frozen? Yes or No (circle)
Cooler #4 Temperature'C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	(Temp should be above freezing to 6°C). If below 0°C, then was sample frozen? Yes or No (circle)
Cooler #5 Temperature'C	_____ (Visual)	_____ (Correction Factor)	_____ (Actual)	(Temp should be above freezing to 6°C). If below 0°C, then was sample frozen? Yes or No (circle)

Receipt of samples satisfactory: (YES) ☐ Yes ☐ No TR 2/24/15 Rush TAT requested on COC: 2/24/15

If yes, then all conditions below were met:	If no, then mark box & describe issue (use comments area if necessary):
Chain of Custody Present	☐
Chain of Custody Filled Out	☐
Relinquished Signature & Sampler Name COC	☐
Samples Arrived within Hold Time	☐
Sufficient Volume	☐
Correct Containers Used	☐
Containers Intact	☐
Sample Labels match COC (sample IDs & date/time of collection)	☐ No Labels: ☐ No Time/Date on Labels: ☐
No Hadspace in VOA Vials (>6mm):	☐

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution (use back for additional comments): ~~Samples were "not" Preserved~~ TR 2/24/15

* SEE ADDITIONAL COMMENTS; CONFIRMED PH 8.7 AND 9

Preservation Checks:

EPA200.8 (pH <2): If all samples meet preservation, check box ☐

If not, list issue: _____

EPA218.7 (pH>8, Free Chlorine <0.1 mg/L): If all samples meet preservation, check box ☐

If not, list issue: Both have Cl PH of 8. 2/24/15 TH * SEE ADDITIONAL COMMENTS

EPA300.1 (Free Chlorine <0.1 mg/L): If all samples meet preservation, check box ☐

If not, list issue: _____

EPA522 (pH<4, Total Chlorine <0.1 mg/L): If all samples meet preservation, check box ☐

If not, list issue: _____

EPA537 (Free Chlorine <0.1 mg/L): If all samples meet preservation, check box ☐

If not, list issue: _____

EPA539 (Free Chlorine <0.1 mg/L): If all samples meet preservation, check box ☐

If not, list issue: _____

Lot #'s: pH strips HC429916 12/17/14 ; Free Chlorine strips 481026 12/22/14 ; DPD for Total Chlorine 50133

Project Manager Review: TR Date: 2/24/15