

## Johnson, Sabrina O

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**From:** Tafuni, Steven  
**Sent:** Tuesday, August 6, 2019 1:44 PM  
**To:** Borderieux, Scott  
**Cc:** SWD\_Waste; Graves, Preston  
**Subject:** FW: stormwater discharge Results  
**Attachments:** second sample event for outfall 1.pdf

### *Steven Tafuni*

FDEP-SWD, Government Operations Consultant,  
Compliance Assurance Program  
13051 N. Telecom Pkwy  
Temple Terrace, FL 33637-0926  
tel: 813-470-5792  
E-mail: [Steven.Tafuni@floridadep.gov](mailto:Steven.Tafuni@floridadep.gov)

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**From:** Bryan White <bryan.white@mymanatee.org>  
**Sent:** Tuesday, August 6, 2019 11:51 AM  
**To:** Tafuni, Steven <Steven.Tafuni@FloridaDEP.gov>; Fischer, Shane <SFischer@SCSEngineers.com>  
**Cc:** Morgan, Steve <Steve.Morgan@FloridaDEP.gov>; Robert Shankle <robert.shankle@mymanatee.org>; Anthony Detweiler <anthony.detweiler@mymanatee.org>; Fischer, Shane <SFischer@SCSEngineers.com>  
**Subject:** stormwater discharge Results

Mr. Tafuni, you should have received a phone message from me asking for a return phone call. This conversation will be explanation on stormwater practices. I have copied you on our stormwater samples so you have them in front of you prior to our phone conversation. Please see the attached.

Respectfully,

Bryan White  
Landfill Superintendent  
Utilities Department / Solid Waste Division / Landfill  
3333 Lena Rd.  
Bradenton, FL 32411-9458

Email: [bryan.white@mymanatee.org](mailto:bryan.white@mymanatee.org)  
Phone: (941) 748-5543, Ext. 8008  
Cell: (941) 779-7901  
Fax: (941) 708-5668



**Johnson, Sabrina O**

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**From:** Anthony Detweiler <anthony.detweiler@mymanatee.org>  
**Sent:** Tuesday, August 6, 2019 11:35 AM  
**To:** Bryan White  
**Cc:** Robert Shankle  
**Attachments:** 35481418\_frc.pdf

***Anthony Detweiler  
Operation Supervisor  
Solid Waste Division  
3333 Lena RD  
Bradenton, FL 34211  
Office: 941-748-5543 Ext.8016  
Cell: 941-812-8796  
anthony.detweiler@mymanatee.org***

August 02, 2019

Anthony Detweiler  
Manatee County Solid Waste  
3333 Lena Road  
Bradenton, FL 34211

RE: Project: Stormwater Lena Road  
Pace Project No.: 35484940

Dear Anthony Detweiler:

Enclosed are the analytical results for sample(s) received by the laboratory on July 26, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC 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,



Cameron Meynardie  
cameron.meynardie@pacelabs.com  
(813)881-9401  
Project Manager

Enclosures

cc: Bob Bennett, Manatee County  
Jim Bokish, Manatee County Landfill  
Ken Guilbeault, SCS Engineers  
Bryan White, Manatee County Solid Waste



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
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## CERTIFICATIONS

Project: Stormwater Lena Road

Pace Project No.: 35484940

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### Ormond Beach Certification IDs

8 East Tower Circle, Ormond Beach, FL 32174  
Alaska DEC- CS/UST/LUST  
Alabama Certification #: 41320  
Arizona Certification# AZ0819  
Colorado Certification: FL NELAC Reciprocity  
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  
Michigan Certification #: 9911  
Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236  
Montana Certification #: Cert 0074  
Nebraska Certification: NE-OS-28-14  
New Hampshire Certification #: 2958  
New Jersey Certification #: FL022  
New York Certification #: 11608  
North Carolina Environmental Certificate #: 667  
North Carolina Certification #: 12710  
North Dakota Certification #: R-216  
Oklahoma Certification #: D9947  
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  
West Virginia Certification #: 9962C  
Wisconsin Certification #: 399079670  
Wyoming (EPA Region 8): FL NELAC Reciprocity

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### Tampa Certification IDs

110 South Bayview Blvd., Tampa, FL 34677

Florida Certification #:E84129

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## SAMPLE SUMMARY

Project: Stormwater Lena Road

Pace Project No.: 35484940

Lab ID	Sample ID	Matrix	Date Collected	Date Received
35484940001	Outfall 001	Water	07/25/19 12:51	07/26/19 11:54
35484940002	Retention Area #1	Water	07/25/19 12:56	07/26/19 11:54
35484940003	Retention Area #2	Water	07/25/19 13:05	07/26/19 11:54

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## SAMPLE ANALYTE COUNT

Project: Stormwater Lena Road

Pace Project No.: 35484940

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35484940001	Outfall 001	EPA 200.7	LEC	1	PASI-O
		SM 2540D	LF	1	PASI-Tp
35484940002	Retention Area #1	EPA 200.7	LEC	1	PASI-O
		SM 2540D	LF	1	PASI-Tp
35484940003	Retention Area #2	EPA 200.7	LEC	1	PASI-O
		SM 2540D	LF	1	PASI-Tp

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## ANALYTICAL RESULTS

Project: Stormwater Lena Road

Pace Project No.: 35484940

Sample: Outfall 001		Lab ID: 35484940001		Collected: 07/25/19 12:51		Received: 07/26/19 11:54		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.7 MET ICP</b>									
		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7							
Iron	<b>497</b>	ug/L	40.0	9.2	1	07/30/19 16:16	08/02/19 12:41	7439-89-6	
<b>2540D Total Susp. Solids Tampa</b>									
		Analytical Method: SM 2540D							
Total Suspended Solids	<b>17.4</b>	mg/L	2.0	2.0	1		07/29/19 09:16		

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## ANALYTICAL RESULTS

Project: Stormwater Lena Road

Pace Project No.: 35484940

Sample: Retention Area #1		Lab ID: 35484940002		Collected: 07/25/19 12:56		Received: 07/26/19 11:54		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.7 MET ICP</b>									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Iron	<b>303</b>	ug/L	40.0	9.2	1	07/30/19 16:16	08/02/19 12:46	7439-89-6	
<b>2540D Total Susp. Solids Tampa</b>									
Analytical Method: SM 2540D									
Total Suspended Solids	<b>6.6</b>	mg/L	2.0	2.0	1		07/29/19 09:16		

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## ANALYTICAL RESULTS

Project: Stormwater Lena Road

Pace Project No.: 35484940

Sample: Retention Area #2		Lab ID: 35484940003		Collected: 07/25/19 13:05		Received: 07/26/19 11:54		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>200.7 MET ICP</b>									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Iron	<b>923</b>	ug/L	40.0	9.2	1	07/30/19 16:16	08/02/19 14:01	7439-89-6	
<b>2540D Total Susp. Solids Tampa</b>									
Analytical Method: SM 2540D									
Total Suspended Solids	<b>61.5</b>	mg/L	5.0	5.0	1		07/29/19 09:16		

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## QUALITY CONTROL DATA

Project: Stormwater Lena Road  
Pace Project No.: 35484940

QC Batch: 558236 Analysis Method: EPA 200.7  
QC Batch Method: EPA 200.7 Analysis Description: 200.7 MET  
Associated Lab Samples: 35484940001, 35484940002, 35484940003

METHOD BLANK: 3029523 Matrix: Water  
Associated Lab Samples: 35484940001, 35484940002, 35484940003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iron	ug/L	9.2 U	40.0	9.2	08/02/19 12:02	

LABORATORY CONTROL SAMPLE: 3029524

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	2500	2610	104	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3029525 3029526

Parameter	Units	35484940001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	497	2500	2500	3290	3280	112	111	70-130	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3029527 3029528

Parameter	Units	35484940002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iron	ug/L	303	2500	2500	2950	2960	106	106	70-130	0	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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## QUALITY CONTROL DATA

Project: Stormwater Lena Road

Pace Project No.: 35484940

QC Batch:	557762	Analysis Method:	SM 2540D
QC Batch Method:	SM 2540D	Analysis Description:	2540D Total Suspended Solids, Tampa
Associated Lab Samples:	35484940001, 35484940002, 35484940003		

METHOD BLANK: 3027146 Matrix: Water

Associated Lab Samples: 35484940001, 35484940002, 35484940003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Suspended Solids	mg/L	1.0 U	1.0	1.0	07/29/19 09:14	

LABORATORY CONTROL SAMPLE & LCSD: 3027147

3027148

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	100	96.0	97.0	96	97	90-110	1	5	

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.

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## QUALIFIERS

Project: Stormwater Lena Road  
Pace Project No.: 35484940

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### 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.  
TNTC - Too Numerous To Count  
MDL - Adjusted Method Detection Limit.  
PQL - Practical Quantitation Limit.  
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.  
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  
PASI-Tp Pace Analytical Services - Tampa

### 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.

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Stormwater Lena Road

Pace Project No.: 35484940

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35484940001	Outfall 001	EPA 200.7	558236	EPA 200.7	558290
35484940002	Retention Area #1	EPA 200.7	558236	EPA 200.7	558290
35484940003	Retention Area #2	EPA 200.7	558236	EPA 200.7	558290
35484940001	Outfall 001	SM 2540D	557762		
35484940002	Retention Area #1	SM 2540D	557762		
35484940003	Retention Area #2	SM 2540D	557762		

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Section A

Required Client Information:  
Company: Manatee County Landfill  
Address: 333 Lena Road  
Bradenton, FL 34211  
Phone: 941-754-5543  
Fax: 941-754-5543  
Requested Due Date:

Section B

Required Project Information:  
Report To: Bob Bennett  
Copy To:  
Purchase Order #:  
Project Name: Stormwater Lena Road  
Project #:

Section C

Invoice Information:  
Attention:  
Company Name:  
Address:  
Pace Quote:  
Pace Project Manager: Lori.palmer@pacelabs.com  
Pace Profile #:

CHAIN-OF-CUSTODY  
The Chain-of-Custody is a LEGAL DOCUMENT

MO#: 35484940



35484940

Regulatory Agency  
State / Location  
FL

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 /, -) Sample IDs must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION		# OF CONTAINERS		Preservatives		Analyses Test		Requested Analysis Filtered (Y/N)		Residual Chlorine (Y/N)	
				START	END	DATE	TIME	DATE	TIME	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other
1	SUTAIL 001					7/25/19	13:52	7/25/19	13:51								
2	OUTFALL 001					11/10/19	11/10/19	11/10/19	11/10/19								
3	Retention area #1					11/10/19	11/10/19	11/10/19	11/10/19								
4	Retention area #1					11/10/19	11/10/19	11/10/19	11/10/19								
5	Retention area #2					11/10/19	11/10/19	11/10/19	11/10/19								
6	Retention area #2					11/10/19	11/10/19	11/10/19	11/10/19								
7																	
8																	
9																	
10																	
11																	
12																	

ADDITIONAL COMMENTS

Empty Containers

RELINQUISHED BY / AFFILIATION

DATE

TIME

ACCEPTED BY / AFFILIATION

DATE

TIME

SAMPLE CONDITIONS

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER:

HAND DELIVERED  
SAMPLES

Central Laboratory  
IRT - S/N: 181680806

SAMPLES IN ICE

(YES) NO

TEMP in C  
Received on Ice (Y/N)  
Custody Sealed Cooler (Y/N)  
Samples Intact (Y/N)



Document Name:  
Sample Condition Upon Receipt Form  
Document No.:  
F-FL-C-007 rev. 13

Document Revised:  
May 30, 2018  
Issuing Authority:  
Pace Florida Quality Office

### Sample Condition Upon Receipt Form (SCUR)

Project #  
Project Manager:  
Client:

WO#: 35484940

PM: CEM Due Date: 08/02/19  
CLIENT: MANCOU-SW

Date and Initials of person:

Examining contents: mvl  
Label: 7/26/19  
Deliver: ✓  
pH: ✓

Thermometer Used: T-203

Date: 7/26/19 Time: 1155 Initials: mvl

State of Origin: FL

☐ For WV projects, all containers verified to  $\leq 6^{\circ}\text{C}$

Cooler #1 Temp.  $^{\circ}\text{C}$  0.3 (Visual) 0.0 (Correction Factor) 0.3 (Actual)

Cooler #2 Temp.  $^{\circ}\text{C}$  (Visual) (Correction Factor) (Actual)

Cooler #3 Temp.  $^{\circ}\text{C}$  (Visual) (Correction Factor) (Actual)

Cooler #4 Temp.  $^{\circ}\text{C}$  (Visual) (Correction Factor) (Actual)

Cooler #5 Temp.  $^{\circ}\text{C}$  (Visual) (Correction Factor) (Actual)

Cooler #6 Temp.  $^{\circ}\text{C}$  (Visual) (Correction Factor) (Actual)

☐ Samples on ice, cooling process has begun

☐ Samples on ice, cooling process has begun

☐ Samples on ice, cooling process has begun

☐ Samples on ice, cooling process has begun

☐ Samples on ice, cooling process has begun

☐ 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: Web 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	
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:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Exceptions: VOA, Coliform, TOC, O&G, Carbamates		Preservation Information: Preservative: _____ Lot #/Trace #: _____ Date: _____ Time: _____ Initials: _____
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):