



VIA ELECTRONIC CORRESPONDENCE

July 30, 2019

CCN: 62715 File No: 8.DC.20.32

Chief, Environmental Enforcement Section Environment and Natural Resources Division

U.S. Department of Justice

P.O. Box 7611 Tom Mariani

Washington, D.C. 20044-7611 RE: DOJ No. 90-5-1-1-4022/1 Tom.Mariani@usdoj.gov Chief, Clean Water Enforcement Branch
Water Protection Division
Attn: Brad Ammons
U.S. Environmental Protection Agency, Region 4
61 Forsyth Street, S.W.
Atlanta, Georgia 30303
Ammons.Brad@epa.gov

Rachael Amy Kamons
Environmental Enforcement Section
U.S. Department of Justice
P.O. Box 7611
Ben Franklin Station
Washington, D.C. 20044-7611
Rachael.Kamons@usdoj.gov

Florida Department of Environmental Protection Southeast District – West Palm Beach 3301 Gun Club Road, MSC 7210-1 West Palm Beach, FL 33406 Attn: Compliance/Enforcement Section Jason.Andreotta@dep.state.fl.us

RE: Consent Decree (Case: No. 1:12-cv-24400-FAM),
Reference DOJ Case No. 90-5-1-1-4022/1,
Section IX – Reporting Requirements, Paragraph 32 – Quarterly Reports – 2019
Quarterly Report No. 2

Dear Sir/Madam:

In accordance with the provisions of Paragraph 32 of the above referenced Consent Decree, on behalf of Miami-Dade County, the Water and Sewer Department (WASD) submits to the Environmental Protection Agency (EPA) and the State of Florida Department of Environmental Protection (FDEP) the 2019 Quarterly Report No. 2. The 2019 Quarterly Report No. 2 covers the period from April 1, 2019 through June 30, 2019.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering such

information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Should you have any questions regarding this matter, please call me at (786) 552-8884.

Sincerely,

Josephique Cueto P.E., ENV SP, LEED® Green Associate Assistant Director, Planning and Regulatory Compliance

Attachment: 2019 Quarterly Report No. 2

ec: Elizabeth Teegen

Senior Assistant Attorney General, Complex Litigation Office of the Attorney General PL-01, The Capitol

Tallahassee, FL 32399-1050 850-414-3808

elizabeth.teegen@myfloridalegal.com

Florida Department of Environmental Protection Southeast District – West Palm Beach 3301 Gun Club Road, MSC 7210-1 West Palm Beach, FL 33406

Attn: Compliance/Enforcement Section

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Jack Osterholt, Deputy Mayor/Director Miami-Dade Regulatory and Economic Resources 111 NW 1st Street. 29th Floor Miami, FL 33128 Josterholt@miamidade.gov

Henry Gillman Miami-Dade Assistant County Attorney Miami-Dade County Attorney's Office 111 NW First Street Suite 2810 Miami, Florida 33128

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Andrea Suarez-Abastida (CD PMCM)

Cynthia Doyon (CD PMCM)

Natalia Duque (CD PMCM)



2019 Quarterly Report No. 2

(Twenty-Second Quarterly Report)

April 1, 2019 through June 30, 2019

Prepared for

United States Environmental Protection Agency and Florida Department of Environmental Protection

Consent Decree Case: No. 1:12-cv-24400-FAM

Prepared by

Miami-Dade County, Miami-Dade Water and Sewer Department and the Consent Decree Program Management Construction Management Team

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2019 Quarterly Report No. 2

1.0 Purpose

On April 9, 2014, Miami-Dade County (County) entered into a Consent Decree (CD) with the United States of America (United States), the State of Florida Department of Environmental Protection, and the State of Florida. The Consent Decree was lodged on June 6, 2013, and became effective on December 6, 2013. This document satisfies the requirements of Section IX, Paragraph 32 for submittal of the 2019 Quarterly Report No. 2 on or before July 30, 2019.

2.0 Requirements

Section IX, Paragraph 32 of the CD states: "Beginning one (1) month after the first Calendar Quarter following the Effective Date of this Consent Decree, and one (1) month after each Calendar Quarter thereafter until termination of the Consent Decree, Miami-Dade shall submit to EPA and FDEP for review and comment a Quarterly Report. Such Quarterly Report shall include the date, time, location, source, estimated duration, estimated volume, receiving water (if any) and cause of all SSOs occurring in the previous Calendar Quarter." Section IV, Paragraph 8(ii) of the CD defines an SSO as any discharge of wastewater to waters of the United States or the State from Miami-Dade's Wastewater Collection and Transmission System (WCTS) through a point source not permitted in any NPDES permit, as well as any overflow, spill, or release of wastewater to public or private property from the WCTS that may not have reached waters of the United States or the State, including all Building Backups – wastewater backups or releases caused by blockages, flow conditions or other malfunctions of a Private Lateral are not considered as Building Backups."

3.0 Sanitary Sewer Overflow Events

This quarterly report contains additional information on how the Sanitary Sewer Overflow (SSO) was resolved, including the immediate fix and any proposed long-term solution. While not specifically required by the Consent Decree, the United States Environmental Protection Agency (EPA) has requested that the County provide this additional information to aid them in preparing the United States' Semi-Annual Status Report to the United States District Court, Southern District of Florida, Miami Division.

The County shall not be held liable for stipulated penalties under Section X, Paragraph 42(vi) of the CD if the County "demonstrates that the SSO was caused by an Act of God, vandalism, a non-County Contractor, or any act of a third party not working directly or indirectly on behalf of Miami-Dade and that Miami-Dade demonstrates that it has used all reasonable measure to prevent such SSO." During this reporting period, the County determined there were two (2) events that would qualify under Section X Paragraph 42 (vi) as described above. These SSO events are described in Table 1 (page 2). The notice letters were sent to the liable non-County contractors and invoices for the damages will be generated. The supporting documentation available to date can be found in Appendix A.

Table 1 – Description SSO Event Caused by Vandalism or Liable Third Party

	Date	Location	Overflow Volume (gallons)	Contractor or Vandalism
1	12-Apr-19	15401 SW 42 Street	21,632	Florida Sol Systems
2	12-Apr-19	10695 SW 181 Street	240	Pike Electrical

3.1 SSOs (Excluding Building Backups)

Table 2 (page 4) documents all SSO events, excluding Building Backups (BBUs), for the second calendar quarter of 2019. There was a total of twenty-six (26) SSO events:

- Ten (10) events involved gravity mains
- Nine (9) events involved force mains
- Two (2) events involved automatic or manual air release valves
- Five (5) events involved pump stations

There was only one SSO event that reached the waters of the United States during this reporting period.

3.2 Building Backups

The County follows standard procedures to resolve and minimize the occurrence of Building Backups. These procedures have been re-evaluated in the development of the new CMOM Program Sewer Overflow Response Plan (SORP) required by the current Consent Decree. The SORP was submitted by the County to EPA/FDEP on July 2, 2015. The County received EPA/FDEP comments on the SORP on January 27, 2017 and submitted a response on March 28, 2017. The EPA and FDEP approved the SORP on August 15, 2017. The County is implementing these procedures.

Presently, the Department's procedures for the response to, and the reporting and documenting of Building Backups are different from those of SSOs within the Department's WCTS. Additionally, the "Time" and "Duration" parameters are seldom characteristically the same between the two types of SSO events. For these reasons, Building Backups are normally included in a separate table and the "N/A" designation used for some "Time" and "Duration" entries. Building Backup information is shown in Table 3 (Page 11).

4.0 Abbreviations/Acronyms

The following acronyms and abbreviations are used in the tables.

AC	Asbestos Cement
ARV	Manual Air Release Valve
AARV	Automatic Air Release Valve
ASSIS	Active As-Built Supplemental Information System
DI	Ductile Iron

CD Consent Decree

CI Cast Iron

CIP Capital Improvement Project

FM Force Main

FOG Fats, Oils and Grease

FSE Food Service Establishment
GIS Geographic Information System

GM Gravity Main

GSS Gravity Sewer System
HDPE High Density Polyethylene

LAT Lateral

PCCP Prestressed Concrete Cylinder Pipe

PIR Project Initiation Report

PS Pump Station PVC Polyvinyl Chloride

RER-DERM Regulatory and Economic Resources, Division of Environmental Resources

Management

VFD Variable Frequency Drive

5.0 Amendment to Previous Quarterly Report

There are no amendments to previous quarterly report required at this time.

Table 2 - Sanitary Sewer Overflows

00:5	<u> </u>	— .				- 3aiiitai y 3ev	ı	_	_			
CCID	Date	Time	Location	Source	Est. Duration		Destination	Waters	Cause	Immediate Fix	Lor	ng Term Fix
					hr:min	gallons		Of US			Dividal	Calada
444170	4/4/2010	10.0001/4	10201 NUM 24 CT	DC	1 5 20	15	11	NI-	Dumana Chatiana	Dandarrad		Solution No further
444162	4/4/2019	10:00PM			1 hour 30	15	Land		Pump Station	Deployed		
			MIAMI GARDENS		minutes				0415 is under	additional pump		action required
			33056						construction.			
									County-			
									Contractor			
									furnished			
									pumps could			
									not maintain			
									proper			
									operations			
444507	4/11/2019	3:33PM	NE 29 PL & NE	GM	5 hours 27	20	Land	No	Gravity main	Cleared	No	No further
			199 ST		minutes				blockage due	blockage and		action required
			AVENTURA						to grease	notified local		
			33180							regulatory		
										agency (RER-		
										DERM)		
444544	4/12/2019	8:32AM	SW 95 AVE &	FM	1 hour 3	200	Land	No	4" AC force	Repaired broken	Yes	Replacement of
			SW 174 ST		minutes				main broken	section on 4"		AC force main
			PALMETTO BAY						by County	AC force main		is under
			33157						contractor			construction
												per Consent
												Decree project
444558	4/12/2019	10:30AM	15401 SW 42 ST	FM	1 hour 30	21,632	Private Lake	Yes	12" DI force	Repaired 12" DI	No	No further
			UNINCORPORAT		minutes				main broken	force main		action required
			ED MIAMI-DADE						by non-			
			33185						County			
									contractor			

Table 2 - Sanitary Sewer Overflows

CCID	Date	Time	Location	Source			Destination	Waters	Cause	Immediate Fix	Lor	ng Term Fix
					hr:min	gallons		Of US			Reg'd	Solution
444585	4/12/2019	4:32PM	10695 SW 181 ST UNINCORPORAT ED MIAMI-DADE 33157	FM	1 hour 58 minutes	240	Land	No	6" AC force main broken by non- County contractor	Repaired 6" AC force main broken by non- County contractor		Asbestos Cement force main recommended for replacement
444703	4/15/2019	2:45PM	7750 NW 12 AVE UNINCORPORAT ED MIAMI-DADE 33150	FM	45 minutes	6,760	Storm Drain	No	12" DI force main leaking due to improper bedding	Repaired broken segment of 12" DI force main	Yes	Force main recommended for replacement due to multiple failure
444720	4/15/2019	4:30PM	2135 NW 207 ST MIAMI GARDENS 33056	FM	2 hours 30 minutes	56,055	Land	No	4" AC force main broken by County contractor	Repaired 4" AC force main broken by County contractor	Yes	Replacement of AC FM is under construction per Consent Decree 4.9(71)
444888	4/18/2019	1:45PM	129 SW 136 AVE UNINCORPORAT ED MIAMI-DADE 33184	PS	1 hour	25,526	Storm Drain	No	Isolation valve malfunction	Replace isolation valve	Yes	Phase out valve from manufacturer with repetitive failure

Table 2 - Sanitary Sewer Overflows

CCID	Date	Time	Location	Source			Destination	Waters	Cause	Immediate Fix	Lor	ng Term Fix
					hr:min	gallons		Of US			Reg'd	Solution
445323	4/26/2019	11:30AM	200 GALEN DR KEY BISCAYNE 33149	GM	30 minutes	25	Storm Drain	No	Gravity main blockage due to grease	Cleared gravity main blockage and notified local regulatory agency (RER- DERM)	No	No further action required
445422	4/28/2019	11:00AM	NW 71 ST & NW 110 AVE DORAL 33178	AARV	1 hour 30 minutes	3,024	Storm Drain	No	Automatic air release valve leaking due to split on the housing	Replaced leaking AARV		Continue phasing out AARV from manufacturer with repetitive failure
445446	4/28/2019	8:40PM	18350 NW 44 PL MIAMI GARDENS 33055	PS	17 hours 20 minutes	500	Storm Drain			Repaired diesel pump and deployed additional pumps.		Rehabilitated wetwell can be used as additional storage if needed

Table 2 - Sanitary Sewer Overflows

CCID	Date	Time	Location	Source	T	Est. Volume	Destination	Waters	Cause	Immediate Fix	Lor	ng Term Fix
00.5	Buto	11110	200411011	004.00	hr:min	gallons	Bostmation	Of US	Jags	I I I I I I I I I I I I I I I I I I I	20.	ig rommin
						ganons		01 00			Req'd	Solution
445806	5/4/2019	11:37AM	1113 Crandon BLVD KEY BISCAYNE 33149	PS	48 minutes	50	Storm Drain	No	Pump Station 0138 operations interrupted due to maintenance activities.	Pump Station Operation restored and fixed/tested bubbler system	No	No further action required
									Bubbler system was not reporting actual level			
446573	5/15/2019	1:00PM	102 SW 19 RD MIAMI 33129	GM	1 hour 30 minutes	50	Storm Drain	No	Gravity main blockage due to grease	Cleared blockage and notified local regulatory agency (RER- DERM)	No	No further action required
446631	5/16/2019	12:46PM	15925 SW 304 ST UNINCORPORAT ED MIAMI-DADE 33033	FM	34 minutes	14,636	Land	No	4" AC force main broken by County contractor	Repaired broken 4" AC force main. Cut and plugged		Segment of AC force main will be abandonned as part of CD CIP 4.9

Table 2 - Sanitary Sewer Overflows

CCID	Date	Time	Location	Source			Destination	Waters	Cause	Immediate Fix	Lor	ng Term Fix
					hr:min	gallons		Of US			Req'd	Solution
446657	5/16/2019	8:28PM	12210 SW 214 ST UNINCORPORAT ED MIAMI-DADE 33177	GM	47 minutes	25	Land	No	Gravity main blockage due to grease	Cleared blockage and notified local regulatory agency (RER- DERM)	No	No further action required
446794	5/20/2019	10:00AM	15140 SW 168 ST UNINCORPORAT ED MIAMI-DADE 33187	FM	1 hour 30 minutes	18,413	Land	No	12" CI force main broken by County contractor	Repaired 12" DI force main broken by County contractor	No	No further action required
447983	6/11/2019	4:00PM	2115 NW 22 ST MIAMI 33142	GM	2 hours 30 minutes	40	Storm Drain	No	Gravity main blockage due to grease	Cleared blockage and notified local regulatory agency (RER- DERM)	No	No further action required
448306	6/16/2019	10:45PM	8989 SW 117 AVE UNINCORPORAT ED MIAMI-DADE 33176	FM	15 minutes	23,782	Storm Drain	No	PS 0536 discharge pipe clamp leaking	Replaced leaking clamp with new clamp		No further action required

Table 2 - Sanitary Sewer Overflows

CCID	Date	Time	Location	Source	T		Destination	Waters	Cause	Immediate Fix	Lor	ng Term Fix
					hr:min	gallons		Of US			Rea'd	Solution
448385	6/17/2019	2:59PM	10834 SW 104 ST UNINCORPORAT ED MIAMI-DADE 33176	GM	1 hour 31 minutes	30	Storm Drain	No	Gravity main blockage due to grease	Cleared blockage and notified local regulatory agency (RER- DERM)		No further action required
448497	6/19/2019	6:00AM	SW 107 ST & SW 112 AVE UNINCORPORAT ED MIAMI-DADE 33176	FM	1 hour	800	Storm Drain	No	Leaking 12" AC force main due to cracking	Repaired cracked segment of 12" AC force main		AC force main recommended for abandonment as per CD CIP 4.9
448562	6/19/2019	7:00PM	SW 28 ST & SW 35 AVE MIAMI 33133	AARV	1 hour	400	Storm Drain	No	AARV leaking due to non standard material coupling	Repaired AARV	No	No further action required
448565	6/19/2019	7:40PM	7851 NW 181 ST UNINCORPORAT ED MIAMI-DADE 33015	PS	1 hour 5 minutes	25	Land	No	FP&L Power failure at Pump station 0417 and backup generator did not automatically turn on	Pump station operations restored	Yes	Repaired transfer disconnect switch and tested system

Table 2 - Sanitary Sewer Overflows

CCID	Date	Time	Location	Source		Est. Volume	Destination	Waters	Cause	Immediate Fix	Lor	ng Term Fix
					hr:min	gallons		Of US			Reg'd	Solution
448615	6/20/2019	3:00PM	NW 30 PL & NW 203 TER MIAMI GARDENS 33056		2 hours 15 minutes	300	Storm Drain	No	Gravity main blockage due to grease	Cleared blockage and notified local regulatory agency (RER- DERM)		No further action required
448757	6/22/2019	6:15PM	2235 NW 2 AVE MIAMI 33127	GM	1 hour 16 minutes	5	Land	No	New construction tied into an abandoned gravity main	Abandoned gravity main was capped off. New construction tied into active gravity main		Reconcile GIS data for abandoned gravity main
449037	6/27/2019	9:00AM	750 SW 5 ST MIAMI 33130	GM	3 hours	50	Storm Drain	No	Gravity main blockage due to grease	Cleared blockage and notified local regulatory agency (RER- DERM)		No further action required
449169	6/29/2019	6:30PM	30 SW 12 ST MIAMI 33130	GM	1 hour 25 minutes	30	Storm Drain	No	Gravity main blockage due to grease	Cleared blockage and notified local regulatory agency (RER- DERM)		No further action required

Table 3 - Building Backups

CCID	Date	Time	Location	Source	Est. Duration	Est. Volume	Destination	Waters	Cause	Immediate Fix	Lor	ng Term Fix
					hr:min	gallons		Of US			Req'd	Solution
N/A	5/8/2019	N/A	111 NW 5th Ave.	LAT	N/A	12	Building	No	Resident	Vendor	No	No further
									experience BBU	rendered		action required
									in bathroom	assistance		
									and kitchen	cleaning /		
									caused by	sanitizing		
									WASD Crew			
									jetting line			

Appendix A
Supporting Documentation for SSO Events

<u>Supporting document for April 12, 2019 Event on 15401 SW 42 Street caused by</u> non-County Contractor

Figure 1 - Notice letter to contractor



Water and Sewer PO Box 330316 * 3071 SW 38 Avenue Miami, Florida 33233-0316 T 305-665-7471

06/12/2019

Certified 7016 3010 0000 9905 3008

FLORIDA SOL SYSTEMS, INC. 6714 N. WATERWAY DRIVE MIAMI, FL 33155

Attn: LAWRENCE VALIDO

Re: File No: JS07044

Customer No. 00000572

Expenses incurred by Miami Dade Water & Sewer Department to repair and restore service to a damaged 12-inch DIP Sewer Force Main at SW 154th AVE & SW 42 ST AKA Bird RD. The sewer force main was damaged by Florida Sol during horizontal boring excavation to install a conduit for NIC. The sewer force main was marked. The contractor was working under Sunshine Location Ticket # 093905267. The contractor did not soft dig the area as it is required by State Law under the Underground Facility Damage and Safety Act Chapter 556 Florida Statutes 556.105 Procedures 5C. The incident resulted in a raw sewage spill of 21,632 gallons under incident # 444558.

Damage Date: 4/12/2019

This is to advise you that your company is being held liable for the above-referenced utility damage resulting from your work operation.

An invoice with the costs incurred by our Department to repair and restore service to this utility, including restoration of the area if required, will be sent to your attention. This amount is to be paid in full within 30 days of the invoice date.

Any questions concerning this matter should be referred to Eva Rodriguez at (786) 552-8223 or, (786) 552-8171. Thank you for your cooperation.

Sincerely,

Controller Division

Special Collections Unit

c: File



Figure 2 - Notice letter to contractor

MIAMIDADE COUNTY

Water and Sewer PO Box 330316 * 3071 SW 38 Avenue Miami, Florida 33233-0316 T 305-665-7471

mamidade.

06/12/2019

Certified 7016 3010 0000 9905 3114

PIKE ELECTRIC, LLC 100 PIKE WAY MT. AIRY, NC 27030

Attn: ERIC J. PIKE

Re: File No: JS07045

Customer No. 00001770

Expenses incurred by Miami Dade Water & Sewer Department to repair and restore service to a damaged 6-inch (AC) sewer force main at SW 107th Ave & 180 St. The sewer force main was damaged by Pike Electric during excavation to install an underground power. The damage caused a sewer spill of approximately 240 gallons of raw sewage reported under incident # 444585. The area was marked with offsets. The contractor was working under Sunshine Location Ticket # 098909399.

Damage / Repair Date: 4/12/2019

This is to advise you that your company is being held liable for the above-referenced utility damage resulting from your work operation.

An invoice with the costs incurred by our Department to repair and restore service to this utility, including restoration of the area if required, will be sent to your attention. This amount is to be paid in full within 30 days of the invoice date.

Any questions concerning this matter should be referred to Eva Rodriguez at (786) 552-8223 or, (786) 552-8171. Thank you for your cooperation.

Sincerely,

Controller Division
Special Collections Unit

c: File

