



VIA ELECTRONIC CORRESPONDENCE

April 29, 2019

CCN: 62560 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
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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. 1

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. 1. The 2019 Quarterly Report No. 1 covers the period from January 1, 2019 through March 31, 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

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,

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

Attachment: 2019 Quarterly Report No. 1

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

<u>Lisa.M.Self@dep.state.fl.us</u> <u>Mike.Bechtold@dep.state.fl.us</u> <u>Sed.wastewater@dep.state.fl.us</u>

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2019 Quarterly Report No. 1

(Twenty-First Quarterly Report)

January 1, 2019 through March 31, 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. 1

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. 1 on or before May 1, 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 four (4) events that would qualify under Section X Paragraph 42 (vi) as described above. These SSO events are described in Table 1. The notice letters were sent to the liable non-County contractors, when applicable, and invoices for the damages will be generated. The supporting documentation available to date can be found in Appendix A. There were eleven (11) SSOs out of the twenty-eight (28) SSOs (excluding BBUs) reported in Table 2 (Page 4) which involved third parties.

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

	Date	Location	Overflow Volume (gallons)	Contractor or Vandalism
1	9-Jan-19	3370 NW 17 Street	1,353	Vandalism
2	16-Jan-19	3781 SW 149 Avenue	4,784	Vandalism
3	17-Jan-19	18720 NW 47 Avenue	210	DDK Underground
4	20-Feb-19	NE 156 Street & Biscayne Boulevard	373,200	D and M Trenching Corp

3.1 SSOs (Excluding Building Backups)

Table 2 documents all SSO events, excluding Building Backups (BBUs), for the first calendar quarter of 2019. There was a total of twenty-eight (28) SSO events:

- Ten (10) events involved gravity mains
- Ten (10) events involved force mains
- Three (3) events involved automatic or manual air release valves
- Five (5) events involved pump stations

Two (2) of the SSO events 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 9).

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 (Excluding BBU)

CCID	Date	Time	Location	Source	Est. Duration	Est. Volume	Destination	Waters Of US	Cause	Immediate Fix	Lor	ng Term Fix
					hr:min	gallons		Of US			Req'd	Solution
439141	1/4/2019	4:32PM	6934 SW 114 PL UNINCORPORATE D MIAMI-DADE 33173	Gravity Main	2 hours 28 minutes	100	Storm Drain	No	Gravity main blockage due to grease	Cleared grease blockage and notified local regulatory agency (RER- DERM)	No	No further action required
439151	1/4/2019	4:32PM	6967 SW 115 PL UNINCORPORATE D MIAMI-DADE 33173	Gravity Main	2 hours 28 minutes	75	Storm Drain	No	Gravity main blockage due to grease	Cleared grease blockage and notified local regulatory agency (RER- DERM)	No	No further action required
439343	1/8/2019	10:55AM	1	Manual Air Release Valve	50 minutes	5,316	Storm Drain	No	Manual ARV broken accidentally during maintenance activities	Repaired broken ARV	No	No further action required
439456	1/9/2019	8:30PM	3370 NW 17 ST MIAMI 33125	Automatic Air Release Valve	2 hours	1,353	Storm Drain	No	AARV broken by vandalism	Replaced broken AARV	No	No further action required
439620	1/12/2019	5:48PM	26508 SW 123 PL UNINCORPORATE D MIAMI-DADE 33032	Force Main	2 hours 42 minutes	21,527	Storm Drain	No	10" AC force main broken by County contractor	Repaired 10" AC force main	Yes	AC force main replacement under construction per Consent Decree CIP 4.9
439656	1/13/2019	1:10PM	SW 125 ST & SW 122 AVE UNINCORPORATE D MIAMI-DADE 33186	Force Main	3 hours 20 minutes	11,812	Storm Drain	No	8" DI force main broken due to point loading	Repaired 8" DI force main	Yes	Recommended for replacement

Table 2 - Sanitary Sewer Overflows (Excluding BBU)

CCID	Date	Time	Location	Source	Est. Duration hr:min	Est. Volume	Destination	Waters Of US	Cause	Immediate Fix	Long Term Fix	
					nr:min	gallons		0105			Req'd	Solution
439864	1/16/2019		UNINCORPORATE D MIAMI-DADE 33185	Manual Air Release Valve	2 hours	4,784	Man Made (Private Lake)	No	ARV Manual, broken by vandalism	Repaired manual ARV	No	No further action required
439900	1/17/2019		18720 NW 47 AVE UNINCORPORATE D MIAMI-DADE 33055	Force Main	1 hour 4 minutes	210	Land	No	8" AC force main broken by non- County contractor	Repaired 8" AC force main	Yes	Recommended for replacement
440860	2/2/2019		BLVD SUNNY ISLES BEACH 33160	Station	2 hours 30 minutes	720,000	OLETA BAY	Yes	Multiple pumps clogged due to rags/wipes	Overhauled all the pumps	Yes	Emergency repairs to pumps and pipes
440872	2/2/2019		100 KINGPOINT DR	WASD Pump Station	6 hours 36 minutes	2,900	SUNNY ISLES BAY	Yes	Multiple pumps clogged due to rags/wipes	Overhauled all the pumps	Yes	Emergency repairs to pumps and pipes
441880	2/20/2019	3:00PM	NE 156 ST & BISCAYNE BLVD NORTH MIAMI 33160	Force Main	6 hours	373,200	Storm Drain	No	72" PCCP force main broken by non-County contractor	Repaired damaged force main	No	No further action required
442117	2/24/2019	10:00PM	2000 ISLAND BLVD AVENTURA 33160	WASD Pump Station	1 hour 45 minutes	50	Land	No	FP&L power service interrupted at Pump Station 0499	Power restored	Yes	High-level alarm adjusted to the lowest rim elevation. Installed Smart cover
442298	2/27/2019	5:51PM	460 N N PKWY	Gravity Main	2 hours 39 minutes	60	Storm Drain	No	Gravity main blockage due to grease	Cleared gravity main blockage due to grease	No	No further action required
442374	3/1/2019		8930 NW 58 ST DORAL 33178	Gravity Main	1 hour 15 minutes	50	Land	No	Gravity main blockage due to plug left in the line by unknown contractor	Removed gravity main obstruction	No	No further action required

Table 2 - Sanitary Sewer Overflows (Excluding BBU)

CCID	Date	Time	Location	Source	Est. Duration	Est. Volume	Destination	Waters Of US	Cause	Immediate Fix	Lor	ng Term Fix
442409	3/1/2019	2:40PM	9798 PALMETTO CLUB DR UNINCORPORATE D MIAMI-DADE 33157	Force Main	hr:min 30 minutes	gallons 5,855	Land	No	4" AC force main broken by County contractor	Repaired 4" AC force main broken by County contractor.	Req'd No	Solution No further action required.
442744	3/7/2019	2:30PM	1881 NE 150 ST NORTH MIAMI 33181	Force Main	2 hours 30 minutes	20	Land	No	18" CI abandoned force main broken by City of Miami public works	Replaced blow off valve and abandoned force main	No	No further action required
442804	3/8/2019	7:24PM	6451 Cow Pen RD MIAMI LAKES 33014	Gravity Main	2 hours 36 minutes	50	Storm Drain	No	Gravity main blockage due to grease	Cleared gravity main blockage due to grease and notified local regulatory agency (RER- DERM)	Yes	Designated as hotspot. Installed Smart Cover to monitor and prevent repeat SSO
442840	3/9/2019	9:30PM	1101 NE MIAMI GARDENS DR UNINCORPORATE D MIAMI-DADE 33179	WASD Pump Station	2 hours 27 minutes	80	Storm Drain	No	FP&L service interrupted at Pump Station 0457	Power restored	Yes	High-level alarm adjusted to the lowest rim elevation. Installed Smart cover
442886	3/11/2019	9:12AM	1040 CARIBBEAN WAY MIAMI 33132	Force Main	1 hour 18 minutes	700	Storm Drain	No	Natural break of non-WASD (County) 8" force main	Identified pipe, belong to Port of Miami sewer system. Private contractor will make repairs	No	No further action required
442925	3/11/2019	10:20PM	14441 S DIXIE HWY PALMETTO BAY 33176	Force Main	55 minutes	3,007	Land	No	6" AC force main broken by County contractor while doing exploratory digging to replace 6" AC force main	Repaired force main broken by County contractor	Yes	This segment of AC force main is being replaced under CD CIP 4.9

Table 2 - Sanitary Sewer Overflows (Excluding BBU)

CCID	Date	Time	Location	Source	Est. Duration hr:min	Est. Volume gallons	Destination	Waters Of US	Cause	Immediate Fix	Lon	ıg Term Fix
442989	3/13/2019	9:30AM	18740 NW 27 AVE	Gravity Main	2 hours	gallons 10	Land	No	Gravity main	Cleared gravity	Req'd No	Solution No further
442303	3/13/2013		MIAMI GARDENS 33056	Gravity Main	Zilouis	10	Lanu	NO	blockage due to grease	main blockage and notified local regulatory agency (RER- DERM)	NO	action required
443062	3/14/2019		6691 COW PEN RD MIAMI LAKES 33014	Gravity Main	37 minutes	75	Storm Drain	No	Gravity main blockage due to grease	Cleared gravity main blockage and notified local regulatory agency (RER- DERM)	Yes	Designated as Hotspot. Installed Smart Cover to monitor and prevent repeat SSO
443094	3/14/2019		11201 SW 24 ST UNINCORPORATE D MIAMI-DADE 33165	Force main	5 hours	121,677	Land	No	Non-WASD (County) 8" PVC force main broken due to shallow location with location (Miami Dade Parks & Recreation).	Assisted Miami- Dade Park and Recreation in repairing the broken force main and cleaning.	No	No further action required
443534	3/23/2019		19380 COLLINS AVE SUNNY ISLES BEACH 33160	Gravity Main	2 hours 13 minutes	200	Land	No	Gravity main blockage due to grease	Cleared gravity main blockage and notified local regulatory agency (RER- DERM)	No	No further action required

Table 2 - Sanitary Sewer Overflows (Excluding BBU)

CCID	Date	Time	Location	Source	Est. Duration hr:min	Est. Volume	Destination	Waters Of US	Cause	Immediate Fix	Lon	g Term Fix
						•					Req'd	Solution
443567	3/24/2019	7:10PM	551 SE 8 ST HOMESTEAD 33030	WASD Pump Station	8 minutes	1,000	Land		Debris and rags clogged check- valve at PS 0691	Cleared blockage and pump station put back in service	No	No further action required
443656	3/26/2019	12:15PM	10900 SW 24 ST UNINCORPORATE D MIAMI-DADE 33165	Force Main	2 hours	113,388	Land		, , ,	WASD assisted Parks & Recreation with the repair and cleaning	No	No further action required
443828	3/29/2019	2:30PM	3609 NE 207 ST AVENTURA 33180	Gravity Main	3 hours	65	Storm Drain		Gravity main blockage due to grease	Cleared gravity main blockage and notified local regulatory agency (RER- DERM)	No	No further action required
443841	3/29/2019	8:40PM	4470 NW 168 TER MIAMI GARDENS 33055	Gravity Main	1 hour 20 minutes	20	Land		Gravity main blockage due to grease	Cleared gravity main blockage and notified local regulatory agency (RER- DERM)	No	No further action required

Table 3 - Building Backups

					Est.	Est.		Waters of			Long Term Fix	
	Date	Time	Location	Source	Duration hr:min	Volume gallons*	Destination	US	Cause	Immediate Fix	Req'd	Solution
•	1/11/2019	N/A	3765 SW 122ND PL	LAT	N/A	15	N/A	Ι ΝΙ/Δ	Gravity main blockage	Cleared gravity main blockage and vendor rendered assistance for clean-up activities	l N∩	No further action required

Appendix A
Supporting Documentation for SSO Events

<u>Supporting document for January 17, 2019 Event on 18720 NW 47 Avenue caused</u> by 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

03/25/2019

Certified 7017 2680 0000 7025 5679

DDK INVESTMENT ENTERPRISES CORP 1660 SW 155th COURT MIAMI, FL 33185

Attn: DANIEL TORRES GOMEZ

Re: File No: JS06885

Customer No. 00026979

Expenses incurred by Miami Dade Water & Sewer Department to repair and restore service to a damaged 8-inch sewer force main at 18720 NW 47th Ave. The damage occurred during work operation to install a conduit for Florida Power & Light. The 8-inch sewer force main was marked correctly. The incident was reported to Miami Dade Water & Sewer Department by Anibal Justiz, a representative for DDK Underground. The contractor was working under Sunshine State One-Call Location Ticket number 003902339. The damage resulted in a sewer spill of 210 gallons.

Damage / Repair Date: 1/17/2019

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,

C Risa

Controller Division Special Collections Unit

c: File

U.S. Postal Service CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com.

Cartified Mail Fee

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<u>Supporting document for February 20, 2019 Event on NE 156 Street & Biscayne</u> Boulevard caused by non-County Contractor

Figure 2 - Notice letter to contractor



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

04/05/2019

Certified 7017 2680 0000 7025 5761

D & M TRENCHING CORP. 10342 SW 164th COURT MIAMI, FL 33196

Attn: DANIEL RAMOS

Re: File No: JS06993

Customer No. 00000206

Expenses incurred by Miami Dade Water & Sewer Department to repair and restore service to large sewer force main at NE 156 ST & Biscayne Blvd. The damage was caused by D&M Trenching excavating under Sunshine Location Ticket Numbers 051907443 and 051907489. The contractor was using the method of directional drilling / horizontal boring while installing a conduit to run a Fiber Optic Cable for the North Dade Justice System. The area was marked, furthermore there was no soft dig done by the contractor as it is required by the Facility Damage Prevention & Safety Act Chapter 556 Florida Sta. 556.105 Procedures 5 (C). The damage created a sewer spill of 373,200 gallons of raw sewage.

Damage/Repair Date: 2/20/2019

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

