

MIAMI-DADE COUNTY miamidade.gov

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#### **VIA ELECTRONIC CORRESPONDENCE**

April 30, 2018 CCN: 61857 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

Rachael Amy Kamons
Environmental Enforcement Section
U.S. Department of Justice
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Ben Franklin Station
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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

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 – 2018
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 2018 Quarterly Report No. 1. The 2018 Quarterly Report No. 1 covers the period from January 1, 2018 through March 31, 2018.

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,

Assistant Director, Planning and Regulatory Compliance

Attachment: 2018 Quarterly Report No. 1

ec: Jonathan A. Glogau

Special Counsel

Chief, Complex Litigation

Office of the Attorney General

PL-01, The Capitol

Tallahassee, FL 32399-1050

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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>

Sed.wastewater@dep.state.fl.us

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Abby Diaz (CD PMCM)

Cynthia Doyon (CD PMCM)



### 2018 Quarterly Report No. 1

(Seventeenth Quarterly Report)

**January 1, 2018 through March 31, 2018** 

#### **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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#### 2018 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 2018 Quarterly Report No. 1 on or before May 1, 2018.

#### 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 as caused by either an Act of God, vandalism, a non-County Contractor, or an act of a third party not working directly or indirectly on behalf of the County. There were six (6) SSO events where contractors were involved. After the incidents were investigated by Miami-Dade Water and Sewer Department (MDWASD) Damage Investigation Unit (DIU), Damage Investigators determined that two (2) of the six (6) events were caused by Non-County contractors. These SSO events are described in Table 1. Notice letters were sent to the liable 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 Events Caused by Liable Non-County Contractor** 

	Date	Location	Overflow Volume (gallons)	Contractor, Act of God or Vandalism			
1	25-Jan-18	1021 NW 20 Street	2,294	Cherokee Enterprises			
2	06-Feb-18	12420 SW 106 Street	162,237	RJ Underground Utility			

#### 3.1 SSOs (Excluding Building Backups)

Table 2 documents all SSO events (excluding Building Backups) for the first calendar quarter of 2018. There was a total of twenty-five (25) SSO events:

- Eight (8) events involved gravity mains
- Nine (9) events involved force mains
- Six (6) events involved automatic or manual air release valves
- Two (2) events involved pump stations

Only one (1) of the SSO events discharged to waters of the United States.

#### 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 6, 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 have been included in a separate table and the "N/A" designation has been used for some "Time" and "Duration" entries. Building Backup information is shown in Table 3.

#### 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

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 Reports

#### 5.1 2017 Quarterly Report No. 2

2017 Quarterly Report No. 2 submitted on the compliance date of July 31, 2017, reported that six of the seven contractor-related SSOs were caused by non-County Contractors and included this information in Table 1 of the report. Further research of those seven (7) contractor related SSO revealed that five of those seven contractors related SSO were caused by non-County Contractors. Thus, the following two revisions will be made to the 2017 Quarterly Report No. 2:

- The April 25, 2017 SSO event that occurred at 15144 SW 153 Avenue was caused by a County Contractor and will be removed from Table 1 and Appendix A.
- The language following "Damage investigators determined that six (6) of the seven (7) aforementioned events were caused by Non-County Contractors" on page 1 will be revised to "Damage investigators determined that five (5) of the seven (7) aforementioned events were caused by Non-County Contractors."

#### 5.2 2017 Quarterly Report No. 3

2017 Quarterly Report No. 3 submitted on the compliance date of October 30, 2017, reported that seven (7) of the nine (9) contractors related SSO were caused by Non-County Contractors and included this information in Table 1 of the report. Further research of those nine (9) contractor-related SSOs revealed that five (5) of those nine (9) contractor related SSOs were caused by Non-County Contractors. Also, the volume listed in Table 1 for the September 26, 2017 event that occurred at SW 122 Avenue & SW 1 Street is not the volume attributed to this event. Thus, the following four revisions will be made to the 2017 Quarterly Report No. 3:

- The August 25, 2017 SSO event that occurred at 10820 SW 200 Street was caused by a County Contractor and will be removed from Table 1 and Appendix A.
- The August 28, 2017 SSO event that occurred at 15241 SW 80 Street was caused by a County Contractor and will be removed from Table 1 and Appendix A.
- The language following "Damage Investigators determined that seven (7) of the nine (9) aforementioned event were caused by non-County contractors" on page 1 will be revised to "Damage Investigators determined that five (5) of the nine (9) aforementioned event were caused by non-County contractors."

• The SSO Volume for the September 26, 2017 event that occurred at SW 122 Avenue & SW 1 Street will be revised from 67,598 gallons to 103,647 gallons. Table 2 did not need to be revised. This volume revision in table 1 of the report had no impact on the assessed stipulated penalties for this SSO event.

The revised 2017 Quarterly Report No. 2 and 2017 Quarterly Report No. 3 were uploaded to the County Public Document Repository (PDR) on or before May 1, 2018.

					Tabl	le 2 - Sanitary S	ewer Overflo	ows			
				Est.	Est.		Waters of			Lor	g Term Fix
Date	Time	Location	Source	Duration hr:min	Volume gallons	Destination	the U.S.?	Cause	Immediate Fix	Req'd (Yes/No)	Solution
04-Jan-18	1:40 PM	2601 NW 32 Avenue	GM	0:50	5	Storm Drain	No	Gravity main blockage due to grease and heavy debris	Cleared blockage and notified local regulatory agency (RER- DERM)	Yes	Designated as Hotspot. Install Smart Cover
09-Jan-18	11:15 AM	12461 SW 109 Avenue	FM	1:00	4,507	Storm Drain	No	6" PVC force main broken during maintenance activities	Repaired 6" PVC force main	Yes	SOP review with division
16-Jan-18	9:47 AM	9252 Tiffany Drive, Cutler Bay	FM	1:13	80,218	Land	No	6" AC force main broken by County contractor	Repaired 6" AC force main	No	No further action required
24-Jan-18	8:15 AM	3220 NW 179 Street, Miami Gardens	AARV	1:05	122	Land	No	AARV leaking due to mechanical failure of rolling seal assembly	Replaced AARV	Yes	Phase out AARV from manufacturer with repetitive failure
25-Jan-18	10:27 AM	1021 NW 20 Street	AARV	1:37	2,294	Land	No	AARV broken by non- county contractor	Replaced AARV	Yes	No further action required
29-Jan-18		10824 SW 2	FM	2:30	23,418	Storm Drain	No	4" PVC force main broken due to non-standard material	Repaired 4" PVC force main	Yes	Recommended for replacement
31-Jan-18	11:20 AM	14912 SW 143 Court	AARV	0:40	5,274	Storm Drain	No	AARV broken due to non standard material	Replaced AARV with brass standard coupling	Yes	No further action required
02-Feb-18	7:17 AM	SW 1 Avenue & SW 10 Street	GM	2:13	100	Storm Drain	No	Gravity main blockage due to grease	Cleared blockage and notified local regulatory agency (RER- DERM)	No	RER-DERM to follow up with inspection/Evalua te Smart Cover

	Table 2 - Sanitary Sewer Overflows											
				Est.	Est.		Waters of			Long Term Fix		
Date	Time	Location	Source	Duration hr:min	Volume gallons	Destination	the U.S.?	Cauco	Immediate Fix	Req'd (Yes/No)	Solution	
06-Feb-18	12:11 PM	12420 SW 106 Street	FM	2:49	162,237	Storm Drain	No	8" AC force main broken by non-county contractor	Repaired 8" AC force main	Yes	No further action required - Follow up AC replacement	
12-Feb-18	12:56 PM	SW 122 Avenue & SW 125 Street	FM	1:34	8,914	Storm Drain	No	8" DI force main broken due to point load	Repaired 8" DI force main	No	No further action required	
15-Feb-18	8:00 AM	19041 NW 45 Avenue, Miami Gardens	GM	1:00	35	Storm Drain	No	Gravity main blockage due to grease	Cleared blockage and notified local regulatory agency (RER- DERM)	No	No further action required	
15-Feb-18	11111111111	9250 SW 136 Street	GM	2:10	2,800	Land	No	Gravity main blockage due to grease	Cleared blockage and notified local regulatory agency (RER- DERM)	Yes	Designated as Hotspot. Install Smart Cover	
19-Feb-18	2:30 AM	19900 W Country Club Drive, Aventura	FM	3:00	3,514	Land	No	4" CI force main broken by county contractor	Repaired 4" CI force main	No	No further action required	
22-Feb-18	11:15 AM	800 NE 171 Street, North Miami Beach	GM	3:45	1,200	Storm Drain	No	8" VCP Gravity main blockage due to PS0314 Pump clogged with wipes	Addressed pump's wipe blockage. Cleared grease blockage	Yes	Recommended pump station to be upgraded to grinder pump	
24-Feb-18	6:29 PM	10889 W Flagler Street	PS	3:01	3,000	Land	No	6" DI force main broken due to vertical load (2 feet cover) and improper bedding	Repaired 6" DI pipe force main	No	Monitor section of FM for repeated occurrence	

					Tab	le 2 - Sanitary S	ewer Overflo	ows			
				Est.	Est. Volume gallons	Destination	Waters of			Long Term Fix	
Date	Time	Location	Source	Duration hr:min			the U.S.?	Cause	Immediate Fix	Req'd (Yes/No)	Solution
25-Feb-18	6:10 AM	12275 S Dixie Highway, Pinecrest	FM	2:50	12,763	Storm Drain	No	8" CI pipe in PS leaking due to blown out rubber gasket (pumps exposed to element)	Replaced gasket	No	PS scheduled to be upgraded to submersible pumps
26-Feb-18	11:30 AM	1 Northwest Boulevard	ARV	1:05	9,765	Land	No	ARV broken by County contractor within PS 187 property	Replaced AARV	Yes	Recommend to integrate yard piping information to active GIS layer
05-Mar-18	11:00 AM	7530 NW 12 Avenue	FM	3:30	39,437	Storm Drain	No	12" DI force main broken due to point load	Repaired 12" DI force main	No	No further action required
08-Mar-18	1:06 PM	901 S Royal Poinciana Boulevard Miami Springs	ARV	1:54	11,960	Miami River	Yes	AARV broken due to high system pressure	Replaced broken AARV	No	No further action required
09-Mar-18	10:06 AM	10400 SW 82	AARV	1:12	45	Land	No	AARV leaking due to mechanical failure	Replaced leaking AARV	Yes	Phase out AARV from manufacturer with repetitive failure
16-Mar-18	12:25 PM	SW 187 Avenue & SW 360 Street	GM	1:05	1,500	Land	No	8" AC force main broken by County contractor	Repaired 8" AC force main	No	No further action required
17-Mar-18	9:30 PM	11380 SW 38 Street	PS	2:00	200	Land	No	Pump station No. 666 pipe broken due to corroded non- standard fitting on the temporary emergency pump out	Eliminated the fitting to DI pipe with flange	No	No further action required

	Table 2 - Sanitary Sewer Overflows												
				Est.	Est.		Waters of			Long Term Fix			
Date	Time	Location	Source	Duration hr:min	Volume gallons	Destination	the U.S.?	Cause	Immediate Fix	Req'd (Yes/No)	Solution		
18-Mar-18	5:30 PM	7385 N Augusta Drive	GM	3:00	5	Land	INIO	Gravity main blockage due to grease	Cleared blockage and notified local regulatory agency (RER- DERM)		No further action required		
22-Mar-18	1:47 PM	2791 NW 192 Terrace, Miami Gardens	GM	2:33	40	Storm Drain	131()	Gravity main blockage due to grease	Cleared blockage and notified local regulatory agency (RER- DERM)		No further action required		
24-Mar-18	9:41 AM	13853 SW 59 Street	FM	0:09	99	Storm Drain			Repaired force main and removed roots	I NO	No further action required		

	Table 3 - Building Backups												
				Est.	Ect	volume Destination				Long Term Fix			
Date	Time	Location	Source				Waters of the U.S.	Cause	Immediate Fix	Req'd (Yes/No)	Solution		
22-Feb-18	N/A	10206 SW 2 Street	LAT	N/A	1	Bldg. Backup	No	Building Backup (BBU) in resident's bathrooms caused by root intrusions in WASD lateral	Replaced lateral	No	No further action required		
1-Mar-18	N/A	4732 SW 136 Place	LAT	N/A	1	Bldg. Backup	No	BBU caused by root intrusions in WASD lateral	Replaced lateral	No	No further action required		
4-Mar-18	N/A	4230 NW 183 Street, Miami Gardens	LAT	N/A	20	Bldg. Backup	No	BBU in resident's bathroom and kitchen caused by heavy grease blockage in WASD collection system	Cleared grease blockage and vendor rendered assistance to resident to clean and sanitize property	Yes	RER-DERM to investigate the origin of illegal discharge of grease in collection system		

**Appendix A**Supporting Documentation for SSO Events

#### Figure 1 - Notice letter to contractor



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

miamidade.gov

02/14/2018

Certified 7010 0290 0000 0782 6266

CHEROKEE ENTERPRISES, INC 14474 COMMERCE WAY MIAMI LAKES, FL 33016

Attn: ACCOUNTS PAYABLE

Re: File No: JS06424

Customer No. 00017136

Expenses incurred by Miami-Dade Water & Sewer Department to repair and restore service to a damaged 2-inch air release valve at 1021 NW 20 St. The damage occurred while Cherokee Enterprises was excavating soil for Miami Dade College. The 2-inch air release valve was visible. The incident was reported to Miami Dade Water and Sewer by Billy, a representative for Cherokee Enterprises. The contractor was working under Sunshine State One-Call Location Ticket Number 356700599.

Damage/Repair Date: 1/25/2018

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

ER BON

c: File



## <u>Supporting documents for February 6, 2018 Event on 12420 SW 106 Street</u> caused by non-County Contractor

#### Figure 2 – Notice letter to contractor

