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**VIA ELECTRONIC CORRESPONDENCE**

October 30, 2018

CCN: 61982  
File No: 8.DC.20.32

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Environment and Natural Resources Division  
U.S. Department of Justice  
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Tom Mariani  
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RE: DOJ No. 90-5-1-1-4022/1  
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Chief, Clean Water Enforcement Branch  
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Attn: Compliance/Enforcement Section  
[Jason.Andreotta@dep.state.fl.us](mailto: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. 3**

Dear Sir/Madam:

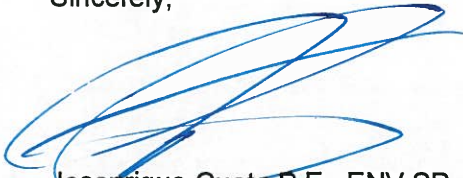
In accordance with the provisions of Paragraph 32 of the above referenced Consent Decree, on behalf of Miami-Dade County, the Water and Sewer Department (WASD) submits to the Environmental Protection Agency (EPA) and the State of Florida Department of Environmental Protection (FDEP) the 2018 Quarterly Report No. 3. The 2018 Quarterly Report No. 3 covers the period from July 1, 2018 through September 30, 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,



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

Attachment: 2018 Quarterly Report No. 3

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## **2018 Quarterly Report No. 3** (Nineteenth Quarterly Report)

**July 1, 2018 through September 30, 2018**

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Prepared for

**United States Environmental Protection Agency and  
Florida Department of Environmental Protection**

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

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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. 3

### 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. 3 on or before October 30, 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 was one (1) event that would qualify under Section X Paragraph 42 (vi) as described above. This SSO event is described in Table 1. There were nine (9) SSOs out of the twenty-eight (28) SSOs (excluding BBUs) reported in Table 2 which involved third parties.

**Table 1 – Description SSO Event Caused by Third Party Vandalism**

	<b>Date</b>	<b>Location</b>	<b>Overflow Volume (gallons)</b>	<b>Cause</b>
<b>1</b>	25-Sep-18	11291 SW 84 Street	250	Vandalism

### 3.1 SSOs (Excluding Building Backups)

Table 2 documents all SSO events, excluding Building Backups (BBUs), for the third calendar quarter of 2018. There was a total of twenty-eight (28) SSO events:

- Six (6) events involved gravity mains
- Fourteen (14) events involved force mains
- Five (5) events involved automatic or manual air release valves
- Three (3) events involved pump stations

There were only two (2) SSO events 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.

## 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 Report

The County detected minor inconsistencies in the SSO table for the 2018 Quarterly Report No. 1 submitted on the compliance date of April 30, 2018. The SSO table of the 2018 Quarterly Report No. 1 was revised. A revised Quarterly Report was uploaded to the PDR and submitted to the EPA and FDEP on September 6, 2018.

Specifically, the following revisions were made:

1. The location of the January 25, 2018 SSO has been revised to "1000 NW 20 Street",
2. The long-term fix of the two February 15, 2018 SSOs were interchanged,
3. The source, cause, immediate fix and long term fix for the February 24th and February 25th SSOs were interchanged.

Table 2 - Sanitary Sewer Overflows

Date	Time	Location	Source	Est. Duration hr:min	Est. Volume gallons	Destination	Waters Of US	Cause	Immediate Fix	Long Term Fix	
										Req'd	Solution
7/6/2018	1:54PM	4664 SW 146 CT	Force Main	1 hour 56 minutes	27,403	Storm Drain	No	8" DI force main broken due to point load	Repaired 8" DI force main	No	No further action required
7/11/2018	1:45PM	901 DOVE AVE MIAMI SPRINGS	Force Main	1 hour	15,946	Land	No	8" DI force main broken by non-County contractor	Repaired 8" DI force main broken by contractor	No	No further action required
7/12/2018	8:22AM	SW 67 AVE & SW 152 ST PALMETTO BAY	Force Main	1 hour 48 minutes	6,198	Land	No	8" DI force main broken due to external corrosion	Replaced corroded segment of 8" DI force main	Yes	Recommended for replacement
7/16/2018	12:30PM	141 HARBOR DR KEY BISCAYNE	Automatic Air Release Valve	1 hour 30 minutes	10	Storm Drain	No	AARV leaking due to mechanical failure	Replaced leaking AARV	Yes	Phase out AARV from manufacturer with repetitive failure
7/18/2018	11:00AM	SW 92 AVE & SW 24 ST	Force Main	1 hour 40 minutes	9,204	Storm Drain	No	8" DI force main broken due to split caused by heavy concrete piece resting on main	Repaired 8"DI force main and removed resting concrete piece	No	No further action required
7/27/2018	10:23AM	18000 N BAY RD	Gravity Main	2 hours 7 minutes	15	Storm Drain	No	Gravity main blockage due to grease	Cleared blockage and notified local regulatory agency (RER-DERM)	No	No further action required

Table 2 - Sanitary Sewer Overflows

Date	Time	Location	Source	Est. Duration hr:min	Est. Volume gallons	Destination	Waters Of US	Cause	Immediate Fix	Long Term Fix	
										Req'd	Solution
7/28/2018	5:13PM	2599 NE 163 ST NORTH MIAMI	Force Main	3 hours 47 minutes	5,634	Oleta River	Yes	6" CI force main broken due to external corrosion	Repaired corroded segment of 6" CI force main	No	No further action required
8/4/2018	11:55AM	173 NAVARRE DR MIAMI SPRINGS	Automatic Air Release Valve	30 minutes	351	Land	No	AARV broken due to non- standard material of galvanized nipple	Replaced broken AARV with manual ARV	Yes	Reconcile GIS data and place ARV on maintenance cycle
8/10/2018	9:52AM	19771 E OAKMONT DR	Force Main	1 hour 8 minutes	36,143	No name, man-made waterway on golf course	No	6" PVC force main broken by County Contractor	Repaired PVC force main	No	No further action required
8/12/2018	8:40AM	102 OCEAN LANE DR KEY BISCAYNE	WASD Pump Station	2 hours 50 minutes	950	Storm Drain	No	Mechanical failure on one pump and blockage on other pump at PS 0133	Deployed portable pump, cleared blockage and other pump is pending repair	No	No further action required
8/14/2018	10:00AM	19679 NW 62 CT UNINCORPORATED MIAMI-DADE 33015	WASD Pump Station	5 hours	50	Storm Drain	No	Blockage of bypass pump and backup pump due to heavy rags	Cleared blockage and resumed service	No	No further action required
8/19/2018	9:39AM	10700 SW 48 TER UNINCORPORATED MIAMI-DADE 33165	Force Main	1 hour 11 minutes	76,716	Land	No	Broken 8" and 14" AC force main by County contractor	Force mains repaired	Yes	Recommended for replacement

Table 2 - Sanitary Sewer Overflows

Date	Time	Location	Source	Est. Duration hr:min	Est. Volume gallons	Destination	Waters Of US	Cause	Immediate Fix	Long Term Fix	
										Req'd	Solution
8/20/2018	9:49AM	6951 SHARPECROFT CT MIAMI LAKES 33014	Automatic Air Release Valve	1 hour 56 minutes	170	Land	No	AARV leaking due to failure of orifice button	Replaced broken AARV	No	No further action required
8/29/2018	7:19PM	7100 NW 7TH AVE MIAMI 33150	Gravity Main	41 minutes	10	Storm Drain	No	Gravity main broken due to grease	Cleared blockage and notified local regulatory agency (RER- DERM)	Yes	RER-DERM initiated FOG investigation
8/29/2018	10:00PM	18734 NW 32 PL MIAMI GARDENS	Gravity Main	2 hours	30	Land	No	Gravity main blockage due to grease	Cleared blockage and notified local regulatory agency (RER- DERM)	No	No further action required
8/31/2018	10:04PM	NW 90 ST & NW 107 AVE	Automatic Air Release Valve	2 hours 56 minutes	1,064	Storm Drain	No	AARV leaking due to high pressure	Replaced leaking AARV with model designed to better handle high pressure surge	No	No further action required
9/3/2018	8:00PM	19142 NW 35 AVE MIAMI GARDENS 33056	WASD Pump Station	7 hours	55	Land	No	County Contractor in charge of PS 0415 Operations not providing the required supervision/ staff	Additional diesel pump deployed	Yes	Met with Contractor and required 24/7 attendant on site

Table 2 - Sanitary Sewer Overflows

Date	Time	Location	Source	Est. Duration hr:min	Est. Volume gallons	Destination	Waters Of US	Cause	Immediate Fix	Long Term Fix	
										Req'd	Solution
9/4/2018	9:30AM	4150 SW 111 AVE UNINCORPORATED MIAMI-DADE 33165	Force Main	3 hours 30 minutes	9,465	Land	No	4" CI force main leaking at joint	Removed and replaced joint	No	No further action required
9/4/2018	9:00PM	19142 NW 35 AVE MIAMI GARDENS 33056	Gravity Main	3 hours	50	Land	No	County Contractor in charge of PS 0415 Operations not providing the required supervision/ staff	Additional diesel pump deployed	Yes	Met with Contractor and required to lower the level alarm from 5 to 2.5 ft
9/5/2018	2:15PM	8801 FONTAINEBLEAU BLVD	Force Main	1 hour 30 minutes	3,759	Land	No	Undocumented 1.5" galvanized force main from PS broken by non-County contractor	1.5" galvanized force main capped off	No	No further action required
9/16/2018	2:49PM	14201 NW 42 AVE OPA-LOCKA	Force Main	5 hours 41 minutes	191,049	C8 Canal	Yes	Failure of coupling between HPVC and HDPE sections of 48" force main	Contractor repaired past work which was still under warranty	No	No further action required
9/17/2018	10:15AM	12140 SW 188 TER	Force Main	1 hour 5 minutes	138,192	Land	No	8" DI force main broken by County contractor	Repaired segment of broken 8" DI force main	No	No further action required

Table 2 - Sanitary Sewer Overflows

Date	Time	Location	Source	Est. Duration hr:min	Est. Volume gallons	Destination	Waters Of US	Cause	Immediate Fix	Long Term Fix	
										Req'd	Solution
9/17/2018	4:30PM	NW 27 AVE & NW 11 ST MIAMI 33125	Gravity Main	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
9/18/2018	8:00AM	18730 NW 47 CT	Gravity Main	1 hour	150	Land	No	Gravity main blockage due to grease	Cleared blockage and notified local regulatory agency (RER-DERM)	No	No further action required
9/21/2018	10:30AM	14201 NW 42 AVE OPA-LOCKA 33054	Force Main	2 hours 15 minutes	58,586	Land	No	12" DI force main broken by County contractor	Capped off 12" DI force main	No	No further action required
9/25/2018	9:14AM	11291 SW 84 ST	Automatic Air Release Valve	1 hour 1 minute	250	Land	No	AARV riser broken due to unauthorized party opening manhole (Vandalism)	Repaired broken AARV	No	No further action required
9/29/2018	7:01AM	11870 SW 184 ST	Force Main	1 hour 29 minutes	90	Land	No	12" DI force main broken by County contractor	Repaired 12" DI force main	No	No further action required
9/29/2018	11:00AM	SW 117 AVE & SW 187 ST	Force Main	5 minutes	1,200	Land	No	12" DI force main failed during pressurization test	Abandoned section of 12" DI force main	No	No further action required

Table 3 - Building Backups

Date	Time	Location	Source	Est. Duration hr:min	Est. Volume gallons*	Destination	Waters of the U.S.	Cause	Immediate Fix	Long Term Fix	
										Req'd (Yes/No)	Solution
7-Aug-18	N/A	9120 Caribbean Boulevard	LAT	N/A	10	N/A	N/A	WASD Crew cleaning the line cause BBU in resident's three bathrooms	Vendor rendered assistance for clean-up activities	No	No further action required
23-Aug-18	N/A	500 SW 109th Avenue, Sweetwater	LAT	N/A	150	N/A	N/A	Collapsed WASD Lateral	Connected to new WASD lateral	No	No further action required
30-Sep-18	N/A	3440 SW 29 Street, Miami	LAT	N/A	5	N/A	N/A	Gravity main blockage caused BBU	Cleared WASD Lateral and vendor rendered clean up assistance	Yes	CCTV lateral for defects