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VIA ELECTRONIC CORRESPONDENCE

July 29, 2016

CCN: 60458
File No: 8.DC.20.32

Chief, Environmental Enforcement Section
Environment and Natural Resources Division
U.S. Department of Justice
P.O. Box 7611
Ben Franklin Station
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
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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
Diane.Pupa@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 – 2016
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 2016 Quarterly Report No. 2. The 2016 Quarterly Report No. 2 covers the period of time from April 1, 2016 through June 30, 2016.

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) 552-8120.

Sincerely,


Bertha Goldenberg, P.E., LEED® Green Associate
Assistant Director, Regulatory Compliance and Planning

Attachment: 2016 Quarterly Report No. 2

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2016 Quarterly Report No. 2 **(Tenth Quarterly Report)**

April 1, 2016 through June 30, 2016

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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2016 Quarterly Report No. 2 (No. 10 Overall)

1.0 Purpose

On April 9, 2014, Miami-Dade 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 with the United States District Court for the Southern District of Florida on June 6, 2013 in the lawsuit entitled United States, State of Florida and State of Florida Department of Environmental Protection v. Miami-Dade County, and became effective on December 6, 2013. This document satisfies the requirements of Section IX, Paragraph 32 for submittal of the 2016 Quarterly Report No. 2 on or before August 1, 2016.

2.0 Requirements

Section IX, Paragraph 32 of the Consent Decree 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". Section IV, Paragraph 8(a) defines a Building Backup as "a wastewater release or backup into a building that is caused by blockages, flow conditions, or other malfunctions in Miami-Dade's WCTS. A wastewater backup or release that is caused by blockages, flow conditions or other malfunctions of a Private Lateral is not a Building Backup."

3.0 Sanitary Sewer Overflows

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

3.1 SSOs (Excluding Building Backups)

Table 1 documents all SSO events (excluding Building Backups) for the second calendar quarter of 2016. There were a total of eighteen (18) SSO events:

- Eight (8) events involved gravity mains
- Five (5) events involved force mains
- Five (5) events involved automatic or manual air release valves

During this reporting period, there were two (2) SSO events in which contractors were involved. After the incidents were investigated by Miami-Dade Water and Sewer Department (WASD) Damage Investigation Unit (DIU), it was determined that the respective contractors should be held liable for neither of the two (2) events.

3.2 Building Backups

The County follows standard procedures to resolve and minimize the occurrence of Building Backups. These procedures have been reevaluated in the development of the new CMOM Program Sewer Overflow Response Plan (SORP) required by the Consent Decree that was submitted on July 6, 2015. Once the proposed SORP procedures are reviewed and approved by the EPA and FDEP, WASD will implement these procedures.

Currently, the Department's procedures for responding to, reporting, and documenting Building Backups are different from those for SSOs occurring within the Department's wastewater collection and transmission system. Additionally, the "Time" and "Duration" parameters are typically different for these two types of SSO events. Consequently, Building Backups are 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 2.

4.0 Abbreviations/Acronyms

The following abbreviations and acronyms are used in the tables.

FM	Force Main	ARV	Manual Air Release Valve
GM	Gravity Main	AARV	Automatic Air Release Valve
LAT	Lateral	DI	Ductile Iron
PS	Pump Station	CI	Cast Iron
PCCP	Prestressed Concrete Cylinder Pipe	AC	Asbestos Cement
RCCP	Reinforced Concrete Cylinder Pipe	PVC	Polyvinyl Chloride

5.0 Amendments to Previous Quarterly Report

No amendments to the 2016 Quarterly Report No. 1 are required at this time.

Table 1 - Sanitary Sewer Overflows (Excluding 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
1-Apr-16	9:05 AM	14126 SW 278 ST	GM	0:25	3	Storm Drain	No	Gravity main blockage due to grease	Cleared gravity main blockage due to grease and notified local regulatory agency (RER-DERM)	No	No further action required
3-Apr-16	7:37 PM	15764 SW 82 ST	GM	1:18	10	Storm Drain	No	Gravity main blockage due to grease	Cleared gravity main blockage due to grease and notified local regulatory agency (RER-DERM)	No	No further action required
7-Apr-16	11:00 AM	2380 NW 75 ST	ARV	1:00	5,220	Storm Drain	No	ARV leaking due to broken PVC coupling made from non-standard material	Replaced non-standard ARV coupling with standard material coupling	No	No further action required
7-Apr-16	5:03 PM	10195 SW 62nd ST	FM	4:27	120	Land	No	4-inch AC force main broken due to inferior repair coupling	Repaired force main broken due to inferior repair coupling	No	No further action required
26-Apr-16	4:00 PM	6940 SW 89 CT	GM	1:30	20	Land	No	Gravity main blockage due to grease and rags	Cleared gravity main blockage due to grease and rags and notified local regulatory agency (RER-DERM)	No	No further action required
28-Apr-16	11:31 AM	2179 NW 65 ST	AARV	1:19	250	Land	No	AARV broken due to non-standard material on nipple	Replaced AARV	No	No further action required
4-May-16	8:10 PM	SW 176TH ST & SW 147TH AVE	AARV	2:10	2,900	Storm Drain	No	AARV malfunctioned due to gasket failure	Replaced AARV	Yes	Replace gaskets on all rebuilt AARVs from same manufacturer
7-May-16	12:50 PM	6234 Paradise Point DR	FM	5:10	3,250	Land	No	6" DI force main broken due to exterior corrosion	Repaired force main broken due to exterior corrosion	Yes	Recommended for replacement
13-May-16	9:20 AM	7050 NW 179 ST	GM	1:10	100	Land	No	Gravity main blockage due to grease	Cleared gravity main blockage due to grease and notified local regulatory agency (RER-DERM)	Yes	Placed on an accelerated cleaning cycle
16-May-16	1:50 PM	22969 SW 112TH PL	GM	0:50	5	Land	No	Gravity main blockage due to grease	Cleared gravity main blockage due to grease and notified local regulatory agency (RER-DERM)	No	No further action required
9-Jun-16	1:18 PM	15355 Egret Lakes CIR	AARV	0:32	50	Land	No	AARV leaking due to failure of gasket made from substandard material	Replaced AARV	Yes	Use only "standard" material gaskets for replacement
9-Jun-16	1:26 PM	900 Belle Meade Island DR	FM	1:04	360	Land	No	6-inch PVC force main not marked by WASD Locations Unit broken by contractor	Repaired force main broken by contractor	Yes	Mark force main location

Table 1 - Sanitary Sewer Overflows (Excluding 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
10-Jun-16	2:46 PM	641 NW 2nd ST	FM	0:14	6,945	Storm Drain	Yes	48-inch DI force main not marked by WASD Locations Unit broken by contractor	Repaired force main broken by contractor	Yes	Mark force main location
16-Jun-16	11:35 AM	928 NW 2nd ST	GM	0:55	50	Land	No	Gravity main blockage due to grease	Cleared gravity main blockage due to grease and notified local regulatory agency (RER-DERM)	Yes	Install "smart" manhole cover
17-Jun-16	11:15 AM	1245 NW 2nd ST	FM	1:55	75,075	Storm Drain	No	Pump station activated while downstream pipe was shut down	Deactivated pump station until downstream pipe became operational	No	No further action required
22-Jun-16	8:30 AM	9856 SW 88 ST	GM	0:30	25	Storm Drain	No	Gravity main blockage due to grease along with failure of "smart" manhole cover that was inoperative due to servicing	Cleared gravity main blockage due to grease and notified local regulatory agency (RER-DERM)	Yes	Make "smart" manhole cover operational
23-Jun-16	7:28 AM	5275 NW 29 AVE	GM	3:17	350	Storm Drain	No	Gravity main blockage due to grease	Cleared gravity main blockage due to grease and notified local regulatory agency (RER-DERM)	No	No further action required
30-Jun-16	10:53 AM	NW 32 AVE & NW 70 ST	AARV	2:02	100	Storm Drain	No	AARV clogged due to debris	Replaced AARV	No	No further action required

Table 2 - 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
1-Apr-16	N/A	14855 SW 36 Terrace	LAT	N/A	1	Bldg. Backup	No	Building backup in resident's bathroom caused by WASD maintenance crew cleaning/clearing nearby sewer main	WASD vendor cleaned and sanitized affected area	No	No further action required
1-Apr-16	N/A	3619 SW 148 Place	LAT	N/A	1	Bldg. Backup	No	Building backup in resident's bathroom caused by WASD maintenance crew cleaning/clearing nearby sewer main	Owner did not request cleaning crew	No	No further action required
1-Apr-16	N/A	14865 SW 36 Terrace	LAT	N/A	1	Bldg. Backup	No	Building backup in resident's bathroom caused by WASD maintenance crew cleaning/clearing nearby sewer main	WASD vendor cleaned and sanitized affected area	No	No further action required
8-Apr-16	N/A	8601 SW 199 Street	LAT	N/A	10	Bldg. Backup	No	Building backup caused by poor condition of WASD pipe that private lateral was connected to.	Owner did not request cleaning crew	Yes	WASD portion of pipe will be replaced
12-Apr-16	N/A	20420 NW 15 Avenue	LAT	N/A	1	Bldg. Backup	No	WASD sewer backed up into customer's home*	WASD vendor cleaned and sanitized affected area	No	No further action required
13-Apr-16	N/A	6448 Windmill Gate Road	LAT	N/A	1	Bldg. Backup	No	Building backup caused by WASD crew doing routine maintenance	WASD vendor cleaned and sanitized affected area	No	No further action required
18-May-16	N/A	1341 NW 3 Street	LAT	N/A	10	Bldg. Backup	No	Building backup in resident's bathroom caused by WASD maintenance crew cleaning/clearing nearby sewer main	WASD vendor cleaned and sanitized affected area	No	No further action required
1-Jun-16	N/A	14427 SW 16 Street	LAT	N/A	10	Bldg. Backup	No	Building backup caused by WASD TV/Grout crew working in area	Owner did not request cleaning crew	No	No further action required

* Cause could not be determined for this event