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VIA ELECTRONIC CORRESPONDENCE

April 30, 2020

CCN: 63176
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
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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
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 – 2020
Quarterly Report No. 1**

Dear Sir/Madam:

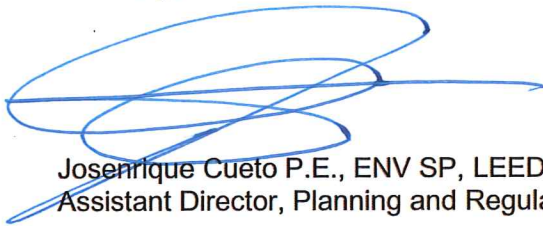
In accordance with the provisions of Paragraph 32 of the above referenced Consent Decree, on behalf of Miami-Dade County, the Water and Sewer Department (WASD) submits to the Environmental Protection Agency (EPA) and the State of Florida Department of Environmental Protection (FDEP) the 2020 Quarterly Report No. 1. The 2020 Quarterly Report No. 1 covers the period from January 1, 2020 through March 31, 2020.

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: 2020 Quarterly Report No. 1

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2020 Quarterly Report No. 1

(Twenty-Fourth Quarterly Report)

January 1, 2020 through March 31, 2020

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

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2020 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 2020 Quarterly Report No. 1 on or before May 01, 2020.

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 are no events that would qualify under Section X Paragraph 42 (vi) as described above.

3.1 SSOs (Excluding Building Backups)

Table 2 (page 4) documents all SSO events, excluding Building Backups (BBUs), for the first calendar quarter of 2020. There was a total of twenty-five (25) SSO events:

- Eight (8) events involved gravity mains
- Twelve (12) events involved force mains
- Five (5) events involved automatic or manual air release valves

There were five (5) 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 (Page 8)

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

CCID	Date	Time	Location	Source	Est. Duration hr:min	Est. Volume	Destination	Waters Of US	Cause	Immediate Fix	Long Term Fix	
											Req'd	Solution
460682	1/8/2020	11:50AM	2200 NW 11 ST MIAMI 33125	AARV	1 hour 25 minutes	5	Land	No	Debris stuck in rolling seal assembly	Replaced with a new ARV	Yes	Continue phasing out AARV from manufacturer with repetitive failure.
460697	1/8/2020	2:30PM	NE 168 ST & NE 15 AVE UNINCORPORATED MIAMI-DADE 33162	GM	1 hour	30	Storm Drain	No	Gravity main blockage due to grease	Cleared grease blockage and notified local regulatory agency (RER-DERM)	No	No further action required
461008	1/14/2020	1:00PM	855 WATERSTONE WAY HOMESTEAD 33033	FM	1 hour 10 minutes	1315	C103 NORTH	Yes	Force main leaking due to malfunctioning clamp	Replaced section of with C-900 and coupling	No	No further action required
461080	1/15/2020	5:00PM	7840 NW 178 ST MIAMI-DADE 33015	FM	3 hours 10 minutes	60546	Storm Drain	No	Force main, broken leaking due to interior corrosion	Repaired section with C-900 and 2-16" solid sleeves.	No	No further action required
461680	1/26/2020	9:53AM	3869 NW 213 ST MIAMI GARDENS 33055	GM	2 hours 7 minutes	30	Land	No	Gravity Main, blockage due to debris spill at MH#29	Cleared blockage main and notified local regulatory agency (RER-DERM)	No	No further action required
461728	1/27/2020	10:15AM	18151 NE 31 CT AVENTURA 33160	FM	2 hours 15 minutes	20280	LITTLE MAULE LAKE	Yes	Force main, broken leaking due to interior corrosion	Repaired FM with a 8" stainless steel clamp	No	No further action required
461752	1/27/2020	1:22PM	19800 NE 10 AVE UNINCORPORATED MIAMI-DADE 33179	ARV	1 hour 29 minutes	30	Land	No	ARV manual, leaking caused by debris clogged angle valve	Replaced with a new 2" angle valve.	No	No further action required
461764	1/27/2020	3:00PM	7801 NW 146 ST MIAMI LAKES 33016	FM	3 hours 30 minutes	3944	Storm Drain	No	Force main due to malfunctioned stainless steel clamp	Repaired pipe with new section of C900 PVC pipe and 2 couplings	No	No further action required

Table 2 - Sanitary Sewer Overflows

CCID	Date	Time	Location	Source	Est. Duration hr:min	Est. Volume	Destination	Waters Of US	Cause	Immediate Fix	Long Term Fix	
											Req'd	Solution
462239	2/4/2020	7:30AM	7000 Island BLVD AVENTURA 33160	FM	3 hours	210096	LITTLE MAULE LAKE	Yes	Force main, broken leaking due to interior corrosion.	Repaired force main with section of 18" DIP and 2-solid sleeves.	Yes	Recommended for replacement
462609	2/10/2020	9:16AM	17050 N Bay RD SUNNY ISLES BEACH 33160	GM	1 hour 44 minutes	80	Intracoastal Waterway	Yes	Gravity main blockage due to grease, spill at MH #165	Cleared grease blockage and notified local regulatory agency (RER-DERM)	No	No further action required
462700	2/12/2020	8:01AM	7870 NW 178 ST UNINCORPORATED MIAMI-DADE 33015	ARV	29 minutes	50	Land	No	Leaking manual ARV, was not in GIS records	Manual ARV was retired due to contractor replacing old FM temporally repairs were done with a stainless-steel clamp.	No	No further action required
462984	2/18/2020	8:54AM	621 E Mowry DR HOMESTEAD 33030	FM	11 hours 6 minutes	303798	Storm Drain	No	Force Main, broken leaking due to interior corrosion	Repaired broken force main with a 42" stainless-steel clamp	No	No further action required
463004	2/18/2020	11:58AM	170 Ocean LANE DR KEY BISCAYNE 33149	GM	5 hours 32 minutes	60	Storm Drain	No	Gravity main, blockage due to debris, spill on MH #1	Cleared grease blockage and notified local regulatory agency (RER-DERM)	No	No further action required.
463102	2/19/2020	5:41PM	511 SW 7 CT MIAMI 33130	GM	1 hour 19 minutes	5	Storm Drain	No	Gravity Main, blockage due to grease, spill in MH #535	Cleared grease blockage and notified local regulatory agency (RER-DERM)	No	No further action required
463118	2/20/2020	8:30AM	621 E MOWRY DR HOMESTEAD 33030	FM	4 hours 15 minutes	67349	Storm Drain	No	Force main, broken 42 " leaking due to interior corrosion.	Repaired 42" force main with Stainless steel clamp.	No	No further action required.

Table 2 - Sanitary Sewer Overflows

CCID	Date	Time	Location	Source	Est. Duration hr:min	Est. Volume	Destination	Waters Of US	Cause	Immediate Fix	Long Term Fix	
											Req'd	Solution
463310	2/24/2020	7:07AM	18181 NE 31 CT AVENTURA 33160	FM	3 hours 3 minutes	184728	LITTLE MAULE LAKE	Yes	Force main, broken leaking due to exterior corrosion.	Remove the existing 8" DIP Force main and for replacement with a new 8" PVC line.	Yes	Recommended for replacement
463648	3/1/2020	9:30AM	1800 S GLADES DR NORTH MIAMI BEACH 33162	GM	2 hours 30 minutes	200	Land	No	Gravity Main blockage due to grease. Spill at Manhole 13	Cleared grease blockage and notified local regulatory agency (RER-DERM)	No	No further action required.
463692	3/2/2020	10:30AM	19101 NW 47 AVE MIAMI GARDENS 33055	FM	1 hour 15 minutes	50	Land	No	Natural Break 4" Cast Iron pipe had a ring- around split due to improper compaction.	A stainless 4" clamp was placed on the pipe.	No	No further action required.
463693	3/2/2020	9:46AM	1512 NW 7 AVE MIAMI 33136	GM	54 minutes	50	Storm Drain	No	Gravity Main blockage due to grease. Spill at Manhole 84	Cleared grease blockage and notified local regulatory agency (RER-DERM)	No	No further action required
463772	3/3/2020	12:00PM	SW 112 ST & HAMMOCKS BLVD UNINCORPORATED MIAMI-DADE 33196	FM	2 hours 15 minutes	31892	Storm Drain	No	Internal corrosion of the pipe on the bedding caused the leak.	Repaired force main. Removed affected section of pipe, and replaced with a section of C-900 pipe held together by two coupling.	No	No further action required
464135	3/10/2020	4:00AM	SW 112 ST & HAMMOCKS BLVD UNINCORPORATED MIAMI-DADE 33196	FM	2 hours 30 minutes	35435	Storm Drain	No	Force Main, broken due to exterior corrosion on the bottom of pipe.	Repaired force main. Replaced 40' of pipe, replaced a tee, and tie back into the main where it appears no corrosion has eaten the pipe.	No	No further action required
464373	3/13/2020	2:24PM	600 NW 22 AVE MIAMI 33125	AARV	2 hours 36 minutes	150	Storm Drain	No	ARV was leaking due reducer that failed	Replaced ARV from corporation stop upward.	Yes	Continue phasing out AARV from manufacturer with repetitive failure

Table 2 - Sanitary Sewer Overflows

CCID	Date	Time	Location	Source	Est. Duration hr:min	Est. Volume	Destination	Waters Of US	Cause	Immediate Fix	Long Term Fix	
											Req'd	Solution
464478	3/15/2020	2:37PM	16391 STONEHAVEN RD MIAMI LAKES 33014	AARV	2 hours 23 minutes	40	Storm Drain	No	Automatic ARV was leaking due to a failure of the rolling seal assembly.	Replaced Automatic ARV.	Yes	Continue phasing out AARV from manufacturer with repetitive failure
464498	3/16/2020	8:49AM	16590 NE 26 AVE NORTH MIAMI BEACH 33160	GM	1 hour 11 minutes	10	Land	No	Gravity Main, blockage due to paper and Grease. Spill at manhole 15	Cleared grease blockage and notified local regulatory agency (RER-DERM)	No	No further action required
465337	3/31/2020	9:30AM	NW 186 ST & NW 68 AVE UNINCORPORAT ED MIAMI-DADE 33015	FM	30 minutes	3005	Storm Drain	No	Force Main, broken due to inferior AC pipe material and lack of crown. Pipe was not in our prints or GIS.	Abandoned force main. Abandoned pipe using coupling with a section of C- 900 with an Alpha Cap a thrust block was placed behind both caps.	No	No further action required

Table 3 - Building Backups

CCID	Date	Time	Location	Source	Est. Duration hr:min	Est. Volume gallons	Destination	Waters of US	Cause	Immediate Fix	Long Term Fix	
											Req'd	Solution
N/A	1/17/2020	N/A	8380 SW 185th Terr	LAT	N/A	10	N/A	N/A	Resident experience BBU in bathroom, hallway and two bedrooms caused by heavy grease blockage in WASD main line collection system	Cleared grease blockage and normal service restored	No	No further action required
N/A	2/18/2020	N/A	7275 SW 89th ST	LAT	N/A	60	N/A	N/A	Downtown Dadeland Businesses and underground parking garage flooded caused by manhole overflow. Manhole rain catcher fell into sewer manhole and obstructed flow going to pump station and impacted grease traps hanging from the ceiling of underground	Rain catcher removed, cleared WASD line and service restored. Vendor rendered assistance to clean and sanitize property.	No	No further action required
N/A	3/22/2020	N/A	14761 NW 89th Ave, Miami Lakes	LAT	N/A	85	N/A	N/A	BBU in resident's master bathroom caused by heavy grease blockage in WASD collection system	Cleared grease blockage and vendor rendered assistance to clean and sanitize property	No	No further action required