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VIA ELECTRONIC CORRESPONDENCE

January 27, 2021

CCN: 63634
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. 4**

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. 4. The 2020 Quarterly Report No. 4 covers the period from October 1, 2020 to December 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,



Josenrique Cueto P.E., ENV SP, LEED® Green Associate
Interim Director, Water and Sewer Department

Attachment: 2020 Quarterly Report No. 4

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2020 Quarterly Report No. 4
(Twenty-Seventh Quarterly Report)

October 1, 2020 through December 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. 4

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. 4 on or before January 30, 2021.

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 under Section X Paragraph 42 (vi) as described above. These SSO events are described in Table 1.

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

	Date	Location	Overflow Volume (gallons)	Contractor or Vandalism
1	12/01/2020	NW 82 AVE & NW 8 ST	810	Vandalism
2	12/13/2020	1094 SW 135 CT	730	Vandalism

3.1 SSOs (Excluding Building Backups)

Table 2 (page 4) documents all SSO events, excluding Building Backups (BBUs), for the fourth calendar quarter of 2020. There was a total of fifty-eight (58) SSO events:

- Eleven (11) events involved force mains.
- Thirty (30) events involved gravity mains.
- Four (4) events involved WASD Pump Stations
- Thirteen (13) events involved automatic or manual air release valves.

There was three (3) 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 10)

4.0 Abbreviations/Acronyms

The following acronyms and abbreviations are for reference 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

The 2020 Quarterly Report No. 3 submitted on the compliance date of October 30, 2020, reported twenty-three (23) SSO events, there was one (1) event involving a WASD Pump Station that was not included in the report.

The Quarterly Report No 3 Section “3.1 SSOs (Excluding Building Backups)” was revised to include the WASD Pump Station SSO event that occurred at 4360 NW 109th Ave, Doral FL 33178 on September 17, 2020 with an estimated volume of 80 gallons. Also, Table 2 – Sanitary Sewer Overflows was revised to include the stated WASD Pump Station event.

The revised 2020 Quarterly Report No.3 was uploaded to the County Public Document Repository (PDR) on or before January 30, 2021.

Table 2 - Sanitary Sewer Overflows

CCID	Date	Time	Location	Source	Est. Duration	Est. Volume	Destination	Waters	Cause	Immediate Fix	Long Term Fix	
											hr:min	gallons
476718	10/1/2020	10:00AM	301 SUNRISE DR KEY BISCAYNE 33149	GM	1 hour	20	Storm Drain	No	Gravity main blockage due to grease.	Cleared gravity main blockage and notified local regulatory agency (RER-DERM)	No	No further action required
476812	10/2/2020	3:05PM	4801 SW 117 AVE UNINCORPORATED MIAMI-DADE 33165	WASD PS	10 minutes	100	Land	No	WASD pump station broken electrical main breaker. PS No. 683	Pump station operation restored	No	No further action required.
476901	10/4/2020	10:15AM	26480 SW 142 AVENUE RD UNINCORPORATED MIAMI-DADE 33032	GM	3 hours 10 minutes	140	Storm Drain	No	Gravity main blockage due to grease.	Cleared gravity main blockage and notified local regulatory agency (RER-DERM)	No	No further action required
476912	10/4/2020	3:10PM	SW 48 ST & SW 94 CT UNINCORPORATED MIAMI-DADE 33165	FM	1 hour 20 minutes	32600	Storm Drain	No	10" DIP Force main leaking due to a split on the bottom of the pipe.	Repaired broken force main .	No	No further action required
476969	10/5/2020	11:00AM	16501 NE 16 AVE NORTH MIAMI BEACH 33162	ARV	1 hour 20 minutes	480	Royal Gales Canal	Yes	ARV Broken by a garbage truck while backing up.	Exposed and replaced all pieces of the ARV from the corp stop upwards	No	No further action required
477071	10/6/2020	4:36PM	12700 NW 30 AVE OPA- LOCKA 33054	AARV	39 minutes	25	Land	No	AARV was leaking due to a tree branch falling on the ARV Canal Crossing.	Replaced AARV	No	No further action required
477266	10/9/2020	2:45PM	SW 5 AVE & SW 344 ST FLORIDA CITY 33034	AARV	1 hour 15 minutes	120	Storm Drain	No	AARV leaking due to debris obstructing the sealant on the outlet orifice.	Replaced AARV	No	No further action required
477568	10/15/2020	8:11AM	16425 BISCAYNE BLVD NORTH MIAMI BEACH 33160	FM	49 minutes	200	Land	No	6" ACP Force main was leaking due to a clamp failure.	Replace clamp.	Yes	Recommended for replacement
477679	10/16/2020	4:54PM	8218 COMMERCE WAY MIAMI LAKES 33016	AARV	1 hour 6 minutes	50	Land	No	AARV was leaking due to a failure of the rail assembly blocked by debris and not allowing a full closure of the seal.	Replaced AARV	No	No further action required
477805	10/19/2020	10:00AM	NW 209 ST & NW 1 AVE MIAMI GARDENS 33169	GM	1 hour 45 minutes	30	Land	No	Gravity Main blockage due to grease.	Cleared gravity main blockage and notified local regulatory agency (RER-DERM)	No	No further action required
477884	10/20/2020	8:26AM	1130 NE 210 TER UNINCORPORATED MIAMI-DADE 33179	GM	2 hours 34 minutes	20	Storm Drain	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

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
477992	10/21/2020	1:32PM	16570 NE 26 AVE NORTH MIAMI BEACH 33160	GM	1 hour 28 minutes	50	Land	No	Gravity main blocked due to grease.	Cleared gravity main blockage and notified local regulatory agency (RER- DERM)	No	No further action required
478078	10/22/2020	4:20PM	SW 187 AVE & SW 352 ST UNINCORPORATED MIAMI-DADE 33034	FM	40 minutes	709	Land	No	12" DIP Force main leaking due to a point load	Repaired broken force main.	No	No further action required
478116	10/23/2020	8:00AM	19129 NW 47 AVE MIAMI GARDENS 33055	FM	1 hour 23 minutes	8563	Land	No	8" ACP Force main was leaking due to inferior material.	Repaired broken force main.	Yes	Recommended for replacement
478314	10/26/2020	8:30AM	4826 SW 148 PL UNINCORPORATED MIAMI-DADE 33185	FM	2 hours 15 minutes	27619	Storm Drain	No	12" DIP Force main leaking due to improper bedding	Repaired broken force main.	No	No further action required
478368	10/26/2020	5:15PM	NW 183 ST & NW 57 AVE UNINCORPORATED MIAMI-DADE 33055	WASD PS	2 hours 45 minutes	320	Storm Drain	No	Pump Station failure due to pumps electrical problems. PS No. 415	Pump station operation restored	No	No further action required
478610	10/29/2020	1:00PM	19841 NE 23 AVE UNINCORPORATED MIAMI-DADE 33180	GM	2 hours	40	Land	No	Gravity main, blockage due to grease and debris.	Cleared gravity main blockage and notified local regulatory agency (RER- DERM)	Yes	Place basin on a deep cleaning cycle do to heavy grease and monitor.
478645	10/29/2020	10:28PM	19841 NE 23 AVE UNINCORPORATED MIAMI-DADE 33180	GM	1 hour 57 minutes	150	Land	No	Gravity main blockage due to grease and debris.	Cleared gravity main blockage and notified local regulatory agency (RER- DERM)	Yes	Place basin on a deep cleaning cycle do to heavy grease and monitor.
478698	10/30/2020	2:16PM	135 NE 97 ST MIAMI SHORES 33138	AARV	54 minutes	480	Storm Drain	No	AARV leaking due to mechanical failure of rolling seal assembly	Replaced AARV	Yes	Phasing out AARV from manufacturer with repetitive failure.
478973	11/4/2020	10:30AM	14464 SW 115 TER UNINCORPORATED MIAMI-DADE 33186	FM	1 hour 30 minutes	21261	Storm Drain	No	8" DIP Force main broken due to point load.	Repaired broken force main.	No	No further action required
479237	11/9/2020	7:30AM	17420 NW 77 CT UNINCORPORATED MIAMI-DADE 33015	GM	2 hours	850	Land	No	Collection system surcharged during declared State of Emergency Issued for Tropical Storm /Hurricane ETA due to rain and high water levels.	Systems equalized to normal levels after the rain had receded.	No	No further action required.

Table 2 - Sanitary Sewer Overflows

CCID	Date	Time	Location	Source	Est. Duration	Est. Volume	Destination	Waters	Cause	Immediate Fix	Long Term Fix	
											hr:min	gallons
479261	11/9/2020	8:00AM	SW 17 AVE & S DIXIE HWY MIAMI 33133	GM	7 hours	108000	Storm Drain	No	Collection system surcharged during declared State of Emergency Issued for Tropical Storm /Hurricane ETA due to rain and high water levels.	Systems equalize to normal levels after the rain had receded.	No	No further action required.
479265	11/9/2020	12:15PM	19803 NW 78 PL UNINCORPORATED MIAMI-DADE 33015	GM	4 hours 45 minutes	3000	Storm Drain	No	Collection system surcharged during declared State of Emergency Issued for Tropical Storm /Hurricane ETA due to rain and high water levels.	Systems equalize to normal levels after the rain had receded.	No	No further action required.
479266	11/9/2020	12:20PM	14511 NW 88 PL MIAMI LAKES 33018	GM	1 hour 40 minutes	2500	Storm Drain	No	Collection system surcharged during declared State of Emergency Issued for Tropical Storm /Hurricane ETA due to rain and high water levels.	Systems equalize to normal levels after the rain had receded.	No	No further action required.
479280	11/9/2020	1:00PM	1000 NW 7 ST MIAMI 33136	GM	30 minutes	40000	Storm Drain	No	Collection system surcharged during declared State of Emergency Issued for Tropical Storm /Hurricane ETA due to rain and high water levels.	Systems equalize to normal levels after the rain had receded.	No	No further action required.
479284	11/9/2020	3:00PM	8874 NW 168 ST MIAMI LAKES 33018	GM	4 hours	1500	Storm Drain	No	Collection system surcharged during declared State of Emergency Issued for Tropical Storm /Hurricane ETA due to rain and high water levels.	Systems equalize to normal levels after the rain had receded.	No	No further action required
479323	11/10/2020	8:17AM	7701 SW 98 ST UNINCORPORATED MIAMI-DADE 33156	FM	8 hours 43 minutes	302541	Storm Drain	No	42" HDPE pipe leaking from a stainless steel clamp.	Repaired force main.	No	No further action required
479359	11/10/2020	12:00PM	7750 NW 12 AVE UNINCORPORATED MIAMI-DADE 33150	FM	1 hour 30 minutes	5361	Storm Drain	No	12" DIP force main broken due to interior corrosion.	Repaired broken force main.	Yes	Force main recommended for replacement due to multiple failure.
479471	11/12/2020	8:00AM	17585 HOMESTEAD AVE UNINCORPORATED MIAMI-DADE 33157	AARV	2 hours	1275	Storm Drain	No	AARV failed due to debris restricting float movement.	Replaced AARV	Yes	Phasing out AARV from manufacturer with repetitive failure.
479577	11/13/2020	12:18PM	7225 BELLE MEADE BLVD MIAMI 33138	GM	2 hours 12 minutes	470	Land	No	Gravity Main blockage due to debris.	Cleared gravity main blockage and notified local regulatory agency (RER-DERM)	No	No further action required

Table 2 - Sanitary Sewer Overflows

CCID	Date	Time	Location	Source	Est. Duration	Est. Volume	Destination	Waters	Cause	Immediate Fix	Long Term Fix	
											hr:min	gallons
479582	11/13/2020	1:00PM	7260 NW 179 ST UNINCORPORATED MIAMI-DADE 33015	WASD PS	5 hours	6000	Land	No	System surcharged due to PS electrical problems. Pump clogged with rags, wipes and debris. PS No. 476	Pump station operation restored.	No	No further action required
479584	11/13/2020	1:00PM	7480 NW 173 DR UNINCORPORATED MIAMI-DADE 33015	GM	1 hour 15 minutes	15000	Storm Drain	No	Collection system surcharged during declared State of Emergency Issued for Tropical Storm /Hurricane ETA due to rain and high water levels.	Systems equalize to normal levels after the rain had receded.	No	No further action required.
479618	11/13/2020	4:00PM	18305 NW 57 AVE UNINCORPORATED MIAMI-DADE 33055	GM	2 days 2 hours	12045	Storm Drain	No	Collection system surcharged during declared State of Emergency Issued for Tropical Storm /Hurricane ETA due to rain and high water levels.	System equalized to normal levels after rain had receded.	No	No further action required
479624	11/13/2020	10:00AM	16650 NW 79 AVE MIAMI LAKES 33016	WASD PS	20 minutes	12000	Storm Drain	No	Broken hose from portable pump. PS No. 463	Replaced hose from portable pump.	No	No further action required
479626	11/13/2020	3:30PM	NE 4 CT & NE 75 ST MIAMI 33138	GM	3 hours	6000	Storm Drain	No	Collection system surcharged during declared State of Emergency Issued for Tropical Storm /Hurricane ETA due to rain and high water levels.	System equalized to normal levels after rain had receded.	No	No further action required
479639	11/14/2020	7:00AM	776 NE 77 ST MIAMI 33138	GM	2 hours 30 minutes	50	Storm Drain	No	Pump surcharged due to rain event exceeding system capacity. PS No.46	System equalized to normal levels after the rain had receded.	No	No further action required
479750	11/16/2020	9:30AM	18720 NW 48 PL UNINCORPORATED MIAMI-DADE 33055	GM	7 hours 8 minutes	350	Land	No	Pump surcharged due to rain event exceeding system capacity. PS No. 361	System equalized to normal levels after the rain had receded.	No	No further action required
479804	11/16/2020	8:00PM	3430 SW 28 ST MIAMI 33133	AARV	1 hour 15 minutes	100	Storm Drain	No	AARV leaking due to debris clogging flapper.	Replaced AARV	No	No further action required.
479857	11/17/2020	12:17PM	3431 NW 182 ST MIAMI GARDENS 33056	GM	3 hours 43 minutes	1000	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

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
479952	11/18/2020	4:30PM	485 NW 71 ST MIAMI 33150	GM	30 minutes	25	Storm Drain	No	Gravity main blockage due to grease.	Cleared gravity main blockage and notified local regulatory agency (RER-DERM)	No	No further action required
480007	11/19/2020	7:30AM	7750 NW 12 AVE UNINCORPORATED MIAMI-DADE 33150	FM	1 hour	6761	Storm Drain	No	12" DIP force main broken due to interior corrosion.	Repaired broken force main.	Yes	Recommended for replacement
480118	11/20/2020	11:15AM	17101 NE 8 AVE UNINCORPORATED MIAMI-DADE 33162	GM	55 minutes	50	Land	No	Pump Station failure. PS No. 314	Pump station operation restored	No	No further action required.
480140	11/20/2020	8:36AM	100 CHOPIN PLZ MIAMI 33131	FM	3 hours 47 minutes	More than a 1,000 gallons.	BISCAYNE BAY	Yes	16" DIP leaking. Cause to be determined.	The force main was isolated and shut off.	Yes	Awaiting for the departments approval on means and methods of repairs.
480772	12/1/2020	9:00AM	NW 82 AVE & NW 8 ST UNINCORPORATED MIAMI-DADE 33126	AARV	3 hours 30 minutes	810	Storm Drain	No	AARV broken due to vandalisms.	Replaced AARV	No	No further action required.
480902	12/2/2020	4:08PM	3900 NW 213 ST MIAMI GARDENS 33055	AARV	12 minutes	75	Land	No	AARV leaking due to mechanical failure of rolling seal assembly	Replaced AARV	Yes	Phasing out AARV from manufacturer with repetitive failure.
481039	12/4/2020	2:00PM	1770 NE 191 ST UNINCORPORATED MIAMI-DADE 33179	GM	2 hours	75	Storm Drain	No	Gravity Main blockage due to grease.	Cleared gravity main blockage and notified local regulatory agency (RER-DERM)	No	No further action required
481347	12/8/2020	2:00PM	1720 NE 191 ST UNINCORPORATED MIAMI-DADE 33179	GM	2 hours	50	Storm Drain	No	Gravity Main blockage due to grease.	Cleared gravity main blockage and notified local regulatory agency (RER-DERM)	No	No further action required
481478	12/10/2020	1:50PM	19121 NW 47 AVE MIAMI GARDENS 33055	FM	1 hour	1605	Storm Drain	No	4" DIP Force main leaking due to differential load causing a ring-around	Repaired broken force main.	No	No further action required.
481619	12/13/2020	12:00PM	1094 SW 135 CT UNINCORPORATED MIAMI-DADE 33184	AARV	1 hour 30 minutes	730	Storm Drain	No	AARV broken due to vandalisms.	Replaced AARV	No	No further action required.
481726	12/15/2020	9:46AM	NW 14 AVE & NW 2 ST MIAMI 33125	GM	29 minutes	15	Land	No	Gravity Main blockage due to grease and debris.	Cleared gravity main blockage and notified local regulatory agency (RER-DERM)	No	No further action required

Table 2 - Sanitary Sewer Overflows

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
481817	12/16/2020	12:35PM	157 HARBOR DR KEY BISCAYNE 33149	AARV	2 hours 25 minutes	50	Land	No	AARV leaking due to mechanical failure of rolling seal assembly	Replaced AARV	Yes	Phasing out AARV from manufacturer with repetitive failure.
482073	12/20/2020	8:45PM	18430 NW 44 PL MIAMI GARDENS 33055	GM	2 hours 55 minutes	40	Land	No	Gravity Main blockage due to grease.	Cleared gravity main blockage and notified local regulatory agency (RER- DERM)	No	No further action required
482165	12/22/2020	10:19AM	1275 NE 79 ST MIAMI 33138	AARV	56 minutes	25	Land	No	AARV leaking due to mechanical failure of rolling seal assembly	Replaced AARV	Yes	Phasing out AARV from manufacturer with repetitive failure.
482418	12/27/2020	3:00PM	19143 NW 34 CT MIAMI GARDENS 33056	GM	2 hours	40	Storm Drain	No	Gravity Main blockage due to grease.	Cleared gravity main blockage and notified local regulatory agency (RER- DERM)	No	No further action required
482422	12/27/2020	7:00PM	325 IVES DAIRY RD UNINCORPORATED MIAMI-DADE 33179	GM	2 hours	70	Storm Drain	No	Gravity Main blockage due to grease.	Cleared gravity main blockage and notified local regulatory agency (RER- DERM)	No	No further action required
482449	12/28/2020	9:14AM	544 NW 136 PL UNINCORPORATED MIAMI-DADE 33182	AARV	31 minutes	50	Unknown Canal Name	Yes	AARV leaking due to mechanical failure of rolling seal assembly	Replaced AARV	Yes	Phasing out AARV from manufacturer with repetitive failure.
482463	12/28/2020	3:00PM	665 NE 191 TER UNINCORPORATED MIAMI-DADE 33179	GM	2 hours	40	Storm Drain	No	Gravity Main blockage due to grease.	Cleared gravity main blockage and notified local regulatory agency (RER- DERM)	No	No further action required
482638	12/31/2020	5:07PM	93 NW 19TH AVE MIAMI 33125	GM	4 hours 53 minutes	200	Storm Drain	No	Gravity Main blockage due to grease and leak via an abandoned lateral that was not capped off.	Cleared gravity main blockage and notified local regulatory agency (RER- DERM)	Yes	TV main line for any defects . Referred to repaired crew to properly capped off abandoned lateral.

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	12/5/2020	N/A	14445 SW 293 St.	LAT	N/A	4	N/A	No	Resident experienced BBU in two bathrooms caused by WASD crew clearing gravity main line.	Vendor rendered assistance.	No	No further action required