



2020 Quarterly Report No. 3 (Twenty-Sixth Quarterly Report)

July 1, 2020 through September 30, 2020
(Revised January 29, 2021)

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. 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 2020 Quarterly Report No. 3 on or before October 30, 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 were three (3) events that would qualify under Section X Paragraph 42 (vi) as described above. 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 Vandalism or Liable Third Party

	Date	Location	Overflow Volume (gallons)	Contractor or Vandalism
1	8/17/2020	9526 NW 7 AVE	58,787	Alvi Tech Inc.
2	8/19/2020	4601 NW 191 ST	320	Ferreira Construction
3	9/22/2020	NW 47 PL & NW 199 ST	1,991	Ferreira Construction

3.1 SSOs (Excluding Building Backups)

Table 2 (page 4) documents all SSO events, excluding Building Backups (BBUs), for the third calendar quarter of 2020. There was a total of ~~twenty-three~~ **four (24) (23)** SSO events:

- Eight (8) events involved gravity mains.
- Nine (9) events involved force mains.
- Six (6) events involved automatic or manual air release valves.
- **One (1) event involved WASD Pump Station.**

There was one (1) 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 7)

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 gallons	Destination	Waters Of US	Cause	Immediate Fix	Long Term Fix	
											Req'd	Solution
471157	7/1/2020	8:20PM	SW 127 AVE & SW 112 ST UNINCORPORATED MIAMI-DADE 33186	Force Main	40 minutes	148	Land	No	16" AC force main leaking due to unknown causes.	Repaired broken force main.	Yes	Force main is under review for further recommendations. Recommended for replacement.
471310	7/4/2020	12:26PM	941 NE 193 TER UNINCORPORATED MIAMI-DADE 33179	Gravity Main	4 hours 34 minutes	45	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
471461	7/7/2020	12:00PM	18720 SW 352 ST UNINCORPORATED MIAMI-DADE 33034	Force Main	2 hours	1535	Land	No	12" DIP force main broken due to interior corrosion.	Repaired 12" DIP force main broken.	No	No further action required.
471497	7/7/2020	7:20PM	6450 NW 110 AVE DORAL 33178	Automatic Air Release Valve	2 hours 40 minutes	75	Land	No	AARV stuck due to debris blockage in rolling seal assembly.	Replaced ARV	Yes	Continuing the phasing out ARV form manufacturer with repetitive failure.
471522	7/8/2020	12:00PM	10400 SW 127 AVE UNINCORPORATED MIAMI-DADE 33186	Force Main	30 minutes	38358	Storm Drain	No	6" plug blew off a section of abandoned 6" PVC force main.	The abandoned section of the 6" PVC was removed from the valve, and a plug was installed in the 6" valve.	No	No further action required.
471651	7/10/2020	9:00AM	SW 260 ST & SW 137 AVE UNINCORPORATED MIAMI-DADE 33032	Manual Air Release Valve	1 hour 30 minutes	10358	Storm Drain	No	Manual ARV leaking due to broken PVC nipple.	Replaced nipple and angle valve	No	No further action required.
472000	7/15/2020	1:49PM	SW 288 ST & SW 147 AVE UNINCORPORATED MIAMI-DADE 33033	Force Main	2 hours 11 minutes	105773	Storm Drain	No	10" DIP force main broken.	Repaired 10" DI force main broken.	No	No further action required.
472494	7/23/2020	8:00PM	18730 NW 47TH CT UNINCORPORATED MIAMI-DADE 33055	Gravity Main	2 hours	20	Land	No	Gravity Main blockage due to grease.	Cleared gravity main blockage and notified local regulatory agency (RER-DERM)	No	No further action required.
473455	8/10/2020	8:15AM	800 VENETIAN WAY MIAMI 33139	Force Main	1 hour 45 minutes	1177	Land	No	10" CI force main broken due to exterior corrosion.	Repaired 10" CI force main broken.	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
473878	8/17/2020	4:30PM	9526 NW 7 AVE UNINCORPORATED MIAMI-DADE 33150	Force Main	2 hours 45 minutes	58787	Storm Drain	No	16" DI force main broken by non county contractor while directional drilling.	Repaired 16" DI force main broken.	No	No further action required.
473997	8/19/2020	1:30PM	4601 NW 191 ST MIAMI GARDENS 33055	Automatic Air Release Valve	1 hour	320	Land	No	AARV broken by non county contractor.	Replace AARV.	No	No further action required.
474163	8/21/2020	8:54PM	12675 SW 189TH ST UNINCORPORATED MIAMI-DADE 33177	Gravity Main	2 hours 36 minutes	320	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.
474312	8/25/2020	2:30PM	16480 NE 20 AVE NORTH MIAMI BEACH 33162	Gravity Main	2 hours	80	Land	No	Gravity Main blockage due to grease.	Cleared gravity main blockage and notified local regulatory agency (RER-DERM).	No	No further action required.
474470	8/28/2020	9:38AM	21500 Biscayne BLVD AVENTURA 33180	Gravity Main	3 hours 22 minutes	60	Land	No	Gravity Main blockage due to grease.	Cleared gravity main blockage and notified local regulatory agency (RER-DERM)	No	No further action required.
474486	8/28/2020	12:00PM	2200 NW 54 ST UNINCORPORATED MIAMI-DADE 33142	Gravity Main	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.
474733	9/2/2020	12:00PM	9775 SW 87 AVE UNINCORPORATED MIAMI-DADE 33176	Force Main	2 hours 45 minutes	46474	Land	No	10" AC force main was broken by Non-WASD county contractor (Miami Dade Pubic Work).	Assisted Miami-Dade Public Work in repairing the broken force main and cleaning.	Yes	Force main is under review to request funding allocation in fiscal year 21-22. Recommended for replacement.
474786	9/3/2020	7:07AM	19721 NW 47 AVE UNINCORPORATED MIAMI-DADE 33055	Manual Air Release Valve	1 hour 23 minutes	5316	Land	No	ARV leaking due to mechanical joint failure.	Abandoned manual air release valve.	No	No further action required.
475083	9/8/2020	7:23PM	4810 NW 197 ST UNINCORPORATED MIAMI-DADE 33055	Gravity Main	1 hour 52 minutes	20	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
475188	9/10/2020	1:40PM	NW 155 TER & NW 16 CT MIAMI GARDENS 33169	Automatic Air Release Valve	25 minutes	50	BISCAYNE CANAL	Yes	Leaking AARV leaking due to grease and debris clogging.	Replaced AARV.	No	No further action required.
475373	9/13/2020	9:48AM	SW 17 AVE & S DIXIE HWY MIAMI 33133	Gravity Main	8 hours 12 minutes	67000	Storm Drain	No	60" PCCP gravity main manhole overflow due to surcharged condition. Heavy rain event. Severe Storm: Sally	Systems equalize to normal levels after the rain had receded.	No	No further action required.
475776	9/17/2020	12:37PM	NW 37 AVE & NW 157 ST MIAMI GARDENS 33054	Automatic Air Release Valve	1 hour 3 minutes	80	Land	No	AAR Valve due to broken Riser/Nipple.	Replaced AARV.	No	No further action required.
475779	9/17/2020	2:00PM	15327 NW 60 AVE MIAMI LAKES 33014	Force Main	15 minutes	820	Land	No	6" AC force main leaking due to inferior material.	Repaired broken force main.	Yes	Force main is under review by waste water collection to request funding allocation in fiscal year 21-22. Recommended for replacement.
475817	9/17/2020	6:50PM	4360 NW 109 AVE DORAL 33178	WASD Pump Station	50 minutes	80	Land	No	WASD pump station broken bypass operation. Broken hose.	Replaced hose from portable pump.	No	No further action required
476112	9/22/2020	1:37PM	NW 47 PL & NW 199 ST UNINCORPORATED MIAMI-DADE 33055	Force Main	53 minutes	1991	Storm Drain	No	6" Ac force main broken by non county contractor.	Repaired broken force main.	Yes	Bill contractor for damage and repairs. Force main is under review by wastewater collection to request funding allocation in fiscal year 21-22. Recommended for replacement.

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	8/21/2020	N/A	24494 SW 115 CT, MIAMI	LAT	N/A	1	N/A	No	Resident experience BBU due TV and Grout WASD crew activity	System service restored to normal operation and vendor rendered assistance cleaning /sanitizing.	No	No further action required
N/A	8/26/2020	N/A	2937 SW 150 CT, MIAMI	LAT	N/A	1	N/A	No	Resident experience BBU due TV and Grout WASD crew activity	System service restored to normal operation and vendor vendor rendered assistance cleaning /sanitizing.	No	No further action required
N/A	8/27/2020	N/A	18803 ATLANTIC BLVD Sunny Isles Beach	LAT	N/A	1	N/A	No	Resident experience BBU caused by WASD PS down and crew jetting sewer line.	System service restored to normal operation and vendor rendered cleaning / sanitizing	No	No further action required
N/A	9/1/2020	N/A	16440 SW 43 ST	LAT	N/A	1	N/A	No	Resident experience BBU due TV and Grout WASD crew activity	System service restored to normal operation and vendor rendered assistance cleaning /sanitizing.	No	No further action required
N/A	9/9/2020	N/A	24852 SW 121 CT	LAT	N/A	2	N/A	No	Resident experience BBU due to WASD PM activiites	System service restored to normal operation and vendor rendered assistance cleaning /sanitizing.	No	No further action required
N/A	9/13/2020	N/A	1365 SW 23 ST	LAT	N/A	1	N/A	No	Resident experience BBU due to heavy rain and surcharged condition	System service restored to normal operation and vendor rendered assistance cleaning /sanitizing.	No	No further action required
N/A	9/13/2020	N/A	1853 SW 24 TER, MIAMI	LAT	N/A	5	N/A	No	Resident experience BBU due to heavy rain and surcharged condition	System service restored to normal operation and vendor vendor rendered assistance cleaning /sanitizing.	No	No further action required
N/A	9/14/2020	N/A	20633 BISCYNE BLVD, AVENTURA	LAT	N/A	3	N/A	No	Resident experience BBU caused by WASD crew jetting sewer line.	System service restored to normal operation and vendor rendered cleaning / sanitizing	No	No further action required

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	9/16/2020	N/A	23670 SW 132 AVE, HOMESTEAD	LAT	N/A	2	N/A	No	Resident experience BBU due TV and Grout WASD crew activity	System service restored to normal operation and vendor rendered assistance cleaning /sanitizing.	No	No further action required
N/A	9/17/2020	N/A	1110 QUAIL AVE, MIAMI SPRINGS FL 33166	LAT	N/A	1	N/A	No	Resident experience BBU due TV and Grout WASD crew activity.	System service restored to normal operation and vendor rendered assistance cleaning /sanitizing.	No	No further action required
N/A	9/29/2020	N/A	24910 SW 122 PL	LAT	N/A	1	N/A	No	Resident experience BBU due TV and Grout WASD crew activity	System service restored to normal operation and vendor rendered assistance cleaning /sanitizing.	No	No further action required
N/A	9/30/2020	N/A	8440 SW 21 ST, MIAMI	LAT	N/A	2	N/A	No	Resident experience BBU caused by grease/debris blockage in WASD main line collection system	System service restored to normal operation and vendor rendered assistance cleaning /sanitizing.	No	No further action required

Appendix A

Supporting Documentation for SSO Events

Supporting document for August 17, 2020 Event on 9526 NW 7 Ave Miami-Dade caused by non-County Contractor

Figure 1 - Notice letter to contractor



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

09/17/2020

Certified 7003 1680 0004 5604 1841

ALVITECH INC.
11836 SW 7th STREET
PEMBROKE PINES, FL 33025

Attn: ROSA M. VASQUEZ

Re: File No: JS08080

Customer No. 00002320

Expenses incurred by Miami Dade Water & Sewer Department to repair and restore service to a damaged 16-inch DIP sewer force main on the North East side of the intersection at NW 95th Ter & NW 7th Ave. The sewer force main was damaged by Alvitech LLC during horizontal boring to install a conduit. The incident caused a sewer spill of 58,787 gallons of raw sewage under incident # 473878. The area was marked in the street and with offsets on the sidewalk. The Contractor was working under Sunshine Location Ticket # 226006059.

The contractor did not white line the area or soft dig as it is required under The Law Underground Facility Damage Prevention and Safety Act, Chapter 556, Florida Statutes Effective July 1, 2017.

Damage/Repair Date: 8/17/2020

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 360 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

c: File

7003 1680 0004 5604 1841

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Street, Apt. No., or PO Box No.	JS08080
City, State, ZIP+4	

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PS Form 3838, June 2012

Supporting document for August 19, 2020 Event on 4601 NW 191 St Miami Gardens 33055 caused by non-County Contractor

Figure 2 - Notice letter to contractor



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

10/14/2020

Certified 7019 1640 0002 0346 4476

FERREIRA CONSTRUCTION SOUTHERN DIVISION
9455 NW 104 ST
MEDLEY, FL 33178

Attn: ACCOUNTS PAYABLE

Re: File No: JS08081

Customer No. 00020933

Expenses incurred by Miami Dade Water & Sewer Department to repair and restore service to a damaged 2-inch air release sewer force main valve at 4601 NW 191th St. The damage was caused by Ferreira Construction during road work on the area. The air release valve was inside the manhole clearly visible. The manhole cover was painted in green paint. The contractor was working under Sunshine Location Ticket # 212000619. The damage caused a raw sewage spill of 320 gallons under incident # 473997.

Damage/Repair Date: 8/19/2020

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 360 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

c: File

7019 1640 0002 0346 4476

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Date to	Ferreira Construction
Sender's Zip Code, or PO Box No.	JS08081
City, State, ZIP+4®	
PS Form 3823, April 2015 PSN 7530-01-000-9027	
See Reverse for Instructions	

Postmark Here

Supporting document for September 22, 2020 Event on NW 47 PL & NW 199 ST Miami-Dade caused by non-County Contractor

Figure 3 - Notice letter to contractor



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

10/14/2020

Certified 7019 2280 0001 7665 2473

FERREIRA CONSTRUCTION SOUTHERN DIVISION
9455 NW 104 ST
MEDLEY, FL 33178

Attn: ACCOUNTS PAYABLE

Re: File No: JS08161

Customer No. 00020933

Expenses incurred by Miami Dade Water & Sewer Department to repair and restore service to a damaged 6-inch AC sewer force main at NW 47th Ct & 199th St. The damage occurred during work operation to install drainage for FDOT. The 6-inch (AC) sewer force main was not marked because contractor failed to request locate clearance, which is a violation of Florida Statute (s556-105). The incident was reported to Miami Dade Water & Sewer Department by a representative for Ferreira Construction.

Damage/repair date 9/22/2020

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 360 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

c: File

7019 2280 0001 7665 2473

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