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

VIA ELECTRONIC CORRESPONDENCE

July 30, 2021

CCN: 63942
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
U.S. Environmental Protection Agency, Region 4
61 Forsyth Street, S.W.
Atlanta, Georgia 30303
Ammons.Brad@epa.gov

Rachael Amy Kamons
Environmental Enforcement Section
U.S. Department of Justice
P.O. Box 7611
Ben Franklin Station
Washington, D.C. 20044-7611
Rachael.Kamons@usdoj.gov

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 – 2021
Quarterly Report No. 2**

Dear Sir or 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 2021 Quarterly Report No. 2. The 2021 Quarterly Report No. 2 covers the period from April 1, 2021 to June 30, 2021.

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,



Hardeep Anand, P.E., Deputy Director
Capital Improvement & Regulatory Compliance
Miami-Dade Water and Sewer Department

Attachment: 2021 Quarterly Report No. 2

ec: Anita Patel
Senior Assistant Attorney General, Complex Litigation,
Office of the Attorney General
PL 01 The Capitol
Tallahassee, FL 32399-1050
(850) 414-3694
anita.patel@myfloridalegal.com

Elizabeth Teegen
Chief Assistant Attorney General, Complex Litigation
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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
Lisa.M.Self@dep.state.fl.us

Mike.Bechtold@dep.state.fl.us
Sed.wastewater@dep.state.fl.us
Gisselle.Castillo@dep.state.fl.us

Madame Mayor Daniella Levine-Cava
Miami-Dade County
111 NW First Street 29th Floor
Miami, Florida 33128
Daniella.Cava@miamidade.gov

Jimmy Morales, Office of the Mayor
Miami-Dade County Chief Operations Officer
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Miami-Dade County Attorney's Office
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2021 Quarterly Report No. 2

(Twenty-Nine Quarterly Report)

April 1, 2021 through June 30, 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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2021 Quarterly Report No. 2

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 2021 Quarterly Report No. 2 on or before July 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 three (3) 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	5/10/21	NE 4 ST & NE 1 Ave	308,983	FL Communication Concept
2	5/29/21	5701 SW 77 Ter	1,578	VOS Engineering (FPL)
3	6/16/21	S Dixie Hwy & E Hibiscus St	22,709	Alvi Tech

3.1 SSOs (Excluding Building Backups)

Table 2 (page 4) documents all SSO events, excluding Building Backups (BBUs), for the second calendar quarter of 2021. There was a total of nineteen (19) SSO events:

- Fifteen (15) events involved force mains.
- Three (3) events involved gravity mains.
- One (1) event involved an automatic air release valve.

There were seven (7) 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. Please note that not all acronyms 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
488781	4/27/2021	4:54PM	980 NE 170 ST NORTH MIAMI BEACH 33162	GM	2 hours 6 minutes	70	Land	No	Gravity main, blockage due to debris.	Cleared gravity main blockage and notified local regulatory agency (RER-DERM)	No	No further action required.
488869	4/29/2021	12:57PM	25 NW 123 AVE UNINCORPORATE D MIAMI-DADE 33184	GM	1 hour 28 minutes	200	Storm Drain	No	Gravity main blockage due to grease and rags .	Cleared gravity main blockage and notified local regulatory agency (RER-DERM)	No	No further action required.
489001	5/1/2021	2:30PM	21437 NW 40 CIRCLE CT MIAMI GARDENS 33055	GM	2 hours 30 minutes	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.
489015	5/1/2021	7:28PM	SW 96 ST & SW 142 AVE UNINCORPORATE D MIAMI-DADE 33186	FM	1 hour 2 minutes	7135	Storm Drain	No	12" DI force main, broken due to improper bedding	Repaired force main.	Yes	Force main is under review by sewer collection for a further investigation.
489105	5/4/2021	8:11AM	SW 96 ST & SW 142 AVE UNINCORPORATE D MIAMI-DADE 33186	FM	49 minutes	5870	Storm Drain	No	12" DI force main broken due to improper bedding.	Repaired force main.	Yes	Force main is under review by sewer collection for a further investigation.
489222	5/6/2021	2:08PM	8300 PARK BLVD UNINCORPORATE D MIAMI-DADE 33126	FM	1 hour 42 minutes	1976	Land	No	12" DI force main leaking through the gasket on the push home joint.	Repaired force main.	No	No further action required.
489390	5/10/2021	1:18PM	NE 4 ST & NE 1 AVE MIAMI 33128	FM	5 hours 27 minutes	308983	Atlantic Intra Coastal Waterway	Yes	Broken 60" force main by non County contractor while directional drilling to install conduits.	Force main has been contracted out and repaired by an outside contractor under construction management.	Yes	Bill non-county contractor for damage and repairs. No further action required.
489491	5/12/2021	8:46AM	100 KINGS POINT DR SUNNY ISLES BEACH 33160	FM	1 hour 54 minutes	1912	Biscayne Creek	Yes	8" CI force main leaking due to external corrosion	Repaired force main.	Yes	Force main is under review for further recommendations.
489589	5/13/2021	3:20PM	1200 NW 22 AVE MIAMI 33125	FM	55 minutes	775	South Fork Miami River	Yes	10" DI force main leaking through a push home joint gasket.	Repaired force main.	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
490166	5/26/2021	8:59AM	NE 35 AVE & NE 168 ST NORTH MIAMI BEACH 33160	FM	3 hours 1 minute	30	Land	No	10" DIP force main check valve leaking through the arm packing.	Remove the ckeck valve arm and installed a new packing.	No	No further action required.
490304	5/29/2021	11:15AM	5701 SW 77 TER SOUTH MIAMI 33143	FM	3 hours 45 minutes	1578	Land	No	12" DI force main broken by non County contractor while using an earth auger to install a FPL pole.	Repaired broken force main.	Yes	Bill non County contractor for damages and repairs.
490435	6/2/2021	8:00AM	1600 SW 97 AVE UNINCORPORATED MIAMI-DADE 33165	AARV	40 minutes	50	Westbrook Canal	Yes	AARV leaking due to debris restricting float movement.	Replaced AARV.	No	No further action required.
490455	6/2/2021	12:40PM	SW 312 ST & SW 137 AVE HOMESTEAD 33033	FM	1 hour 10 minutes	2630	C-103 North	Yes	10" AC force main leaking due to unknown causes.	Repaired force main.	No	No further action required. Replacement of FM is under construction.
490584	6/4/2021	10:28AM	SW 137 AVE & SW 312 ST HOMESTEAD 33033	FM	1 hour 12 minutes	1064	C103 North	Yes	10" CI force main leaking due to corrosion.	Repaired force main.	No	No further action required. Replacement of FM is under construction.
490879	6/10/2021	11:00AM	1200 NW 22 AVE MIAMI 33125	FM	50 minutes	1154	South fork Miami river	Yes	10" DI force main leaking due to interior corrosion	Repaired force main.	Yes	Force main is under review for further recommendations.
491050	6/14/2021	10:00AM	19814 NW 47 CT UNINCORPORATED MIAMI-DADE 33055	FM	1 hour 30 minutes	75	Land	No	Broken 6" AC force main due to ring around split.	Repaired force main.	Yes	Force main is under review for further recommendations.
491164	6/16/2021	9:30AM	NW 82 AVE & OAK LN MIAMI LAKES 33016	FM	1 hour 15 minutes	50	Storm Drain	No	8" CI force main, valve leaking through the upper packing.	Repacked valve with a new packing.	No	No further action required.
491172	6/16/2021	12:09PM	S SOUTH DIXIE HWY & E E HIBISCUS ST	FM	1 hour 51 minutes	22709	Storm Drain	No	4" AC broken force main by non County contractor directional drilling.	Repaired broken force main.	Yes	Non-County contractor billed for damages. Force main is under review for further recommendations.

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
491401	6/21/2021	9:30AM	7280 NW 58 ST UNINCORPORATE D MIAMI-DADE 33166	FM	1 hour 10 minutes	10328	Storm Drain	No	12" DIP force main broken due to point loading.	Repaired broken 12" DI force main	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	5/6/2021	N/A	14 SW 97TH CT, MIAMI	LAT	N/A	2	N/A	N/A	Resident experienced BBU due to 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	4/21/2021	N/A	2825 NW 50TH ST	LAT	N/A	1	N/A	N/A	Resident experienced property damages due to Dye test.	Vendor rendered assistance cleaning / sanitizing.	No	No further action required
N/A	4/27/2021	N/A	20820-20821 NW 28TH CT, MIAMI GRDS	LAT	N/A	3	N/A	N/A	Resident experienced BBU caused by WASD crew jetting sewer line.	System service restored to normal operation and vendor rendered cleaning / sanitizing.	No	No further action required

Appendix A

Supporting Documentation for SSO Events

Supporting document for May 10, 2021 Event on NE 4 St & NE 1 Ave Miami-Dade 33128 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

06/22/2021 Certified 7020 1810 0001 8714 5326

FLORIDA COMMUNICATION CONCEPTS INC.
13453 DOUBLETREE TRAIL
WELLINGTON, FL 33414

Attn: TIM HICKS

Re: File No: JS08563 Customer No. 0036824

Expenses incurred by Miami Dade Water & Sewer Department to repair and restore service to a damaged 60-inch prestressed concrete sewer force main at NE 1st Ave & 4th St. The damage occurred during work operation to install a conduit. The 60-inch prestressed concrete sewer force main was marked correctly. The incident was reported to Miami Dade Water & Sewer Department by Richard, a representative for Florida Communication Concepts. The contractor was working under Sunshine State One-Call Location Ticket # 098107632

Damage/Repair Date: 5/10/2021

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,

Contractor Division
Special Collections Unit

c: File

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<input type="checkbox"/> Adult Signature Required	3
<input type="checkbox"/> Adult Signature Restricted Delivery	3

Storage

Additional Postage and Fees

Sent to Florida Communication Concepts
Special Collections Unit, 13453 Doubletree Trail
Wellington, FL 33414
Certified Mail No. JS08563

PS Form 3849, June 2019 PSN 7530-02-000-9001 See Reverse for Instructions

Supporting document for May 29, 2021 Event on 5701 SW 77 Ter South Miami 33143 caused by non-County Contractor.

Figure 2 - Notice letter to contractor



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Water and Sewer
PO Box 330316 • 3071 SW 58 Avenue
Miami, Florida 33233-0316
T 305-665-7471

06/22/2021

Certified 7020 1810 0001 8714 5449

VOS ENGINEERING
8530 SW 124th AVENUE
MIAMI, FL 33183

Attn: RUBIN RAMIREZ

Re: File No: JS08665

Customer No. 00003342

Expenses incurred by Miami Dade Water & Sewer Department to repair and restore service to a damaged 12-inch sewer force main at SW 57th Ave & 77th Ter. The damage occurred during work operation to install a light pole for FPL. The 12-inch sewer force main was marked correctly. The incident was reported to Miami Dade Water & Sewer Department by Marco, a representative for VOS Engineering. The contractor was working under Sunshine State One-Call Location Ticket # 128100204.

Damage/Repair Date: 5/29/2021

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) 652-8223 or, (786) 652-8171. Thank you for your cooperation.

Sincerely,

Controller Division
Special Collections Unit

c: File

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Total Postage and Fees

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VOS Engineering
JS08665

PS Form 3800, April 2013 Edition, PSN 7530-01-000-9001. See Reverse for Instructions.

Supporting document for June 16, 2021 Event on S South Dixie Hwy & E Hibiscus St 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

07/09/2021

Certified 7020 1810 0001 8714 5463

ALVITECH INC.
11838 SW 7th STREET
PEMBROKE PINES, FL 33025

Attn: ROSA M. VASQUEZ

Re: File No. JS08587

Customer No. 00002320

Expenses incurred by Miami Dade Water and Sewer Department to repair and restore service to a damaged 4-inch AC sewer force main at US1 & Hibiscus St. The sewer force main was damaged doing horizontal boring to install a conduit. This caused a sewer spill of approximately 22,709 gallons of raw sewage under incident # 491172. The area was marked. It appears the contractor damaged the pipe and left the site. Contractor was working under Sunshine State Location Ticket# 137106788 and 153108809. The incident was reported to Miami Dade Water & Sewer Department by Miguel Osuna Project Inspector.

Damage/Repair Date: 6/16/2021

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 30 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

