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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

April 30, 2021

CCN: 63805
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. 1**

Dear Sir/Madam:

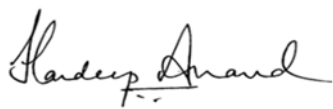
In accordance with the provisions of Paragraph 32 of the above referenced Consent Decree, on behalf of Miami-Dade County, the Water and Sewer Department (WASD) submits to the Environmental Protection Agency (EPA) and the State of Florida Department of Environmental Protection (FDEP) the 2021 Quarterly Report No. 1. The 2021 Quarterly Report No. 1 covers the period from January 1, 2021 to March 31, 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 Program, Water and Sewer Department

Attachment: 2021 Quarterly Report No. 1

ec: Anita Patel
Senior Assistant Attorney General, Complex Litigation,
Office of the Attorney General
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Tallahassee, FL 32399-1050
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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
Megan.Ticknor@FloridaDEP.gov

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

Jimmy Morales, Office of the Mayor
Miami-Dade County Chief Operations Officer
111 NW 1st Street 29th Floor
Miami, FL 33128
Jimmy.Morales2@miamidade.gov

Angela Benjamin
Miami-Dade Assistant County Attorney
Miami-Dade County Attorney's Office
111 NW First Street Suite 2810
Miami, Florida 33128

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2021 Quarterly Report No. 1

(Twenty-Eight Quarterly Report)

January 1, 2020 through March 31, 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. 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 2021 Quarterly Report No. 1 on or before April 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	1/12/21	19810 NW 47 AVE	2761	Ferreira Construction
2	1/28/21	20535 NW 22 AVE	11960	CCC Contractors
3	2/19/21	19020 NW 47 AVE	23044	Ferreira Construction

3.1 SSOs (Excluding Building Backups)

Table 2 (page 4) documents all SSO events, excluding Building Backups (BBUs), for the first calendar quarter of 2021. There was a total of twenty (20) SSO events:

- Eight (8) events involved force mains.
- Five (5) events involved gravity mains.
- Seven (7) events involved automatic or manual air release valves.

There were two (2) 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 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.

Appendix A

Supporting Documentation for SSO Events

Supporting document for January 12, 2021 Event on 19810 NW 47th 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

04/05/2021 Certified 7019 2260 0001 7666 7088

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

Attn: ACCOUNTS PAYABLE

Re: File No: JS08382 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 Ave & 199th St. The damage occurred during work operation to install a sewer pipe for FDOT. The 6-inch (AC) sewer force main was damaged because the contractor removed the support for under the pipe. The incident was reported to Miami Dade Water & Sewer Department by Jose, a representative for Ferreira Construction. The contractor was working under Sunshine State One-Call Location Ticket # 272006298.

Damage/Repair Date: 1/12/2021

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,

Controller Division
Special Collections Unit

c: File

7019 2260 0001 7666 7088

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<input type="checkbox"/> Adult Signature Restricted Delivery	\$ _____

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ZIP and Apt. No., or PO Box No. **3308382**

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PS Form 3822, April 2015 PSN 7530-02-000-9002 Fee Refunds for Prepaid Mail

Supporting document for January 28, 2021 Event on 20535 NW 22nd Ave Miami-Gardens 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

04/07/2021 Certified 7006 0810 0004 0693 6875

CONTINENTAL CONSTRUCTION INCORPORATED
12115 WOODSAGE CT
JACKSONVILLE, FL 32225

Attn: OMAR SILIO

Re: File No: JS08447 Customer No. 00035907

Expenses incurred by Miami Dade Water & Sewer Department to repair and restore service to a damaged 2-inch air release valve at NW 22nd Ave & 208th St. The damage occurred during work operation to install drainage for the City of Miami Gardens. The 2-inch air release valve was visible. The incident was reported to Miami Dade Water & Sewer Department by Cesar, a representative for Continental Construction Incorporated. The contractor was working under Sunshine State One-Call Location # 004105496.

Damage/Repair Date: 1/28/2021

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,

Controller Division
Special Collections Unit

c: File

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JS08447
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or PO Box No.
City, State, ZIP+4

Supporting document for February 19, 2021 Event on 19020 NW 47th Ave 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

04/07/2021

Certified 7006 0810 0004 0693 8868

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

Attn: ACCOUNTS PAYABLE

Re: File No: JS08449

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 19020 NW 47th Ave. The damage occurred during work operation to install drainage for FDOT. The 6-inch AC sewer force main was not marked because the contractor did not request location clearance. The incident was reported to Miami Dade Water & Sewer Department by Jose De Jesus, a representative for Ferreira Construction.

Damage/Repair Date: 2/19/2021

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,

Controller Division
Special Collections Unit

c: File

7006 0810 0004 0693 8868

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Total Postage & Fees	\$	

Delivered to: Ferreira Construction
Street, Apt. No. or PO Box No. JS08449
City, State, ZIP+4

7006 0810 0004 0693 8868

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
482979	1/7/2021	4:00PM	4100 NW 72 AVE UNINCORPORATED MIAMI-DADE 33166	AARV	2 hours	80	Land	No	Debris getting stuck in the sealing orifice causing it to fail.	Replace Automatic ARV	No	No further action required.
483173	1/11/2021	11:00AM	NE 20 AVE & NE 164 ST NORTH MIAMI BEACH 33162	GM	2 hours	30	Storm Drain	No	Gravity main line blockage due to grease and rags.	Cleared gravity main blockage and notified local regulatory agency (RER-DERM)	No	No further action required.
483252	1/12/2021	2:39PM	NW 33 ST & NW 79 AVE DORAL 33122	FM	36 minutes	1196	Storm Drain	No	4" DIP force main was leaking through the joint.	Repaired force main.	No	No further action required.
483255	1/12/2021	4:41PM	19810 NW 47 AVE UNINCORPORATED MIAMI-DADE 33055	FM	49 minutes	2761	Land	No	6" ACP force main broken by non County contractor due to not properly support pipe while digging around it.	Repaired broken force main.	Yes	Non-County contractor billed for damages and repairs.
483569	1/18/2021	12:00PM	20521 NW 34 CT MIAMI GARDENS 33056	GM	4 hours	40	Land	No	Gravity main line blockage due to grease.	Cleared gravity main blockage and notified local regulatory agency (RER-DERM)	No	No further action required.
483600	1/19/2021	9:36AM	NW 3 ST & NW 26 AVE MIAMI 33125	AARV	44 minutes	30	Land	No	Debris getting stuck in the sealing orifice causing it to fail.	Replace Automatic ARV	No	No further action required.
484080	1/27/2021	12:30PM	6001 NW 153 ST MIAMI LAKES 33014	FM	45 minutes	25	Land	No	6" ACP force main broken due to split on pipe.	Repaired broken force main.	Yes	Force main is under review by waste water collection to request funding allocation. Recommended for replacement.

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
484158	1/28/2021	2:00PM	20535 NW 22 AVE MIAMI GARDENS 33056	AARV	1 hour 30 minutes	11960	Land	No	Broken automatic ARV at corporation by non County contractor while installing storm drain system.	Repaired Automatic ARV	Yes	Non-County contractor billed for damages.
484451	2/3/2021	9:30AM	1400 NE 191 ST UNINCORPORATED MIAMI-DADE 33179	AARV	3 hours 15 minutes	50	Storm Drain	No	AARV leaking due to debris restricting float movement.	Replace Automatic ARV	No	No further action required.
484466	2/3/2021	12:08PM	11430 SW 47 ST UNINCORPORATED MIAMI-DADE 33165	AARV	1 hour 12 minutes	30	Storm Drain	No	AARV leaking due to debris restricting float movement.	Remove leaking ARV and replaced with a new Val Matic.	No	No further action required.
485254	2/18/2021	2:00PM	18740 NW 27 AVE MIAMI GARDENS 33056	GM	3 hours	40	Storm Drain	No	Gravity main line blockage due to grease.	Cleared gravity main blockage and notified local regulatory agency (RER-DERM)	No	No further action required.
485318	2/19/2021	10:10AM	19020 NW 47 AVE UNINCORPORATED MIAMI-DADE 33055	FM	2 hours 10 minutes	23044	Land	No	6" ACP force main broken by non County contractor due to not properly support pipe while digging around it.	Repaired broken force main.	Yes	Non-County contractor billed for damages and repairs.
485447	2/21/2021	4:00PM	SW 47 TER & SW 117 AVE UNINCORPORATED MIAMI-DADE 33165	FM	1 hour	7973	Storm Drain	No	24" DIP force main leaking due to external corrosion at the crown of the pipe were the corporation seats.	Repaired broken force main.	No	No further action required.
485548	2/23/2021	5:00PM	19814 NW 47 CT UNINCORPORATED MIAMI-DADE 33055	FM	1 hour	50	Land	No	6" ACP force main leaking due to broken ring around.	Repaired broken force main.	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
485824	2/27/2021	4:30PM	20911 NW 30 AVE MIAMI GARDENS 33056	GM	2 hours 30 minutes	80	Land	No	Gravity main surcharged due to County Contractor working at pump station with both pumps off.	Pump station operation restored.	No	No further action required.
485847	2/28/2021	2:17PM	21030 NW 30 AVE MIAMI GARDENS 33056	GM	2 hours 13 minutes	150	Land	No	Gravity main surcharged due to County Contractor working at pump station with both pumps off.	Pump station operation restored.	No	No further action required.
485922	3/1/2021	5:45PM	NW 2 AVE & NW 207 ST MIAMI GARDENS 33169	AARV	45 minutes	75	Land	No	Automatic ARV was leaking due to a failure of the rolling seal assembly.	Replaced broken AARV with new AARV	Yes	Phase out AARV from manufacturer with repetitive failure
486567	3/15/2021	4:45AM	7900 ISLAND BLVD AVENTURA 33160	FM	5 hours 50 minutes	186029	LITTLE MULE RIVER	Yes	18" CI Force Main Broken Due to Internal Corrosion	Repaired broken force main.	Yes	Recommended for replacement.
486697	3/17/2021	12:30PM	428 Golden Beach DR GOLDEN BEACH 33160	FM	2 hours	1477	Inner coastal water way	Yes	8" DIP force main leaking Due to internal corrosion	Repaired broken force main.	No	No further action required.
487179	3/26/2021	4:00PM	3300 NW 112 ST UNINCORPORATED MIAMI-DADE 33167	AARV	30 minutes	10	Land	No	Automatic Air Release Valve Leaking	Replaced broken AARV with new AARV	Yes	Phase out AARV from manufacturer with repetitive failure

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	1/29/2021	N/A	2575 SW 27th Ave Marbella by the Grove Condo Association.	LAT	N/A	15	N/A	N/A	Resident experience BBU caused by grease blockage in WASD system	Cleared grease blockage, system service restored to normal operation.	No	No further action required
N/A	3/18/2021	N/A	2781 SW 84th CT, MIAMI	LAT	N/A	2	N/A	N/A	Resident experience BBU due to TV and Grout Activity.	Vendor rendered assistance to clean and sanitize property.	No	No further action required
N/A	1/23/2021	N/A	14880 SW 296th ST	LAT	N/A	2	N/A	N/A	Resident experience BBU due to TV and Grout Activity.	Vendor rendered assistance to clean and sanitize property.	No	No further action required
N/A	1/23/2021	N/A	14915 SW 297th ST, MIAMI	LAT	N/A	3	N/A	N/A	Resident experience BBU due to TV and Grout Activity.	Vendor rendered assistance to clean and sanitize property.	No	No further action required
N/A	2/18/2021	N/A	14950-60 Lincoln Dr.	LAT	N/A	30	N/A	N/A	Resident experience BBU due to TV and Grout Activity.	Vendor rendered assistance to clean and sanitize property.	No	No further action required