



miamidade.gov

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

**VIA ELECTRONIC CORRESPONDENCE**

October 29, 2021

CCN: 64065  
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](mailto: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  
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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](mailto: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. 3**

Dear Sir or Madam:

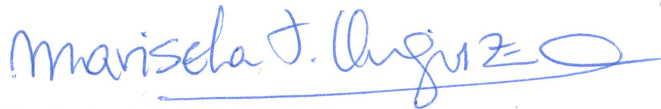
In accordance with the provisions of Paragraph 32 of the above referenced Consent Decree, on behalf of Miami-Dade County, the Water and Sewer Department (WASD) submits to the Environmental Protection Agency (EPA) and the State of Florida Department of Environmental Protection (FDEP) the 2021 Quarterly Report No. 3. The 2021 Quarterly Report No. 3 covers the period from July 1, 2021 to September 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,



Marisela J. Aranguiz, P.E.  
Deputy Director  
Miami-Dade Water and Sewer Department

Attachment: 2021 Quarterly Report No. 3

ec: Anita Patel  
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## **2021 Quarterly Report No. 3**

(Twenty-Nine Quarterly Report)

July 1, 2021 through September 30, 2021

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Prepared for

**United States Environmental Protection Agency and  
Florida Department of Environmental Protection**

**Consent Decree**  
**Case: No. 1:12-cv-24400-FAM**

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Prepared by

**Miami-Dade County, Miami-Dade Water and Sewer Department**

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## 2021 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 2021 Quarterly Report No. 3 on or before November 1, 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 was one (1) event that would qualify under Section X Paragraph 42 (vi) as described above. The SSO event is described in Table 1.

**Table 1 – Description SSO Events Caused by Liable Third Party**

	Date	Location	Volume	Contractor
1	8/12/2021	8737 SW 132 Street	98,629	Lawn Pro

### 3.1 SSOs (Excluding Building Backups)

Table 2 (page 4) documents all SSO events, excluding Building Backups (BBUs), for the third calendar quarter of 2021. There was a total of fifteen (15) SSO events:

- Seven (7) events involved force mains.
- Six (6) events involved gravity mains.
- One (1) event involved an automatic air release valve.
- One (1) event involved a pump station.

There was only one (1) SSO event 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
491944	7/1/2021	5:30PM	6950 NW 12 ST	FM	45 minutes	20	Land	No	6" DI force main leaking due to exterior corrosion (canal crossing)	Replaced entire length of force main at canal crossing	No	No further action required
491974	7/2/2021	11:00AM	17780 NW 67 AVE	GM	1 hour	100	Storm Drain	No	Gravity main blockage due to grease	Cleared gravity main blockage and notified local regulatory agency (RER- DERM)	No	Isolated incident and no further action required
492080	7/4/2021	10:33AM	17202 NW 54 AVE	AARV	42 minutes	40	Storm Drain	No	Leaking AARV due to failure of rolling seal assembly	Replaced broken AARV with new AARV	Yes	Phase out AARV from manufacturer with repetitive failure
492146	7/5/2021	9:50PM	18151 NE 31 CT, AVENTURA	PS	50 minutes	75	Land	No	Wetwell maintenance activities resulted in temporary leak (defective gasket)	Replaced defective gasket and cleaned/ disinfected area within PS premises	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
493009	7/23/2021	10:50AM	19340 SW 112 CT	FM	40 minutes	80	Land	No	12" DI force main leaking at joint	Replaced fitting	No	Isolated incident and no further action required
493471	8/2/2021	8:30PM	3007 NE 163 ST, NORTH MIAMI	GM	3 hours 30 minutes	60	Storm Drain	No	Gravity Main blockage due to grease	Cleared gravity main blockage, cleaned upstream and downstream branch of collection system	No	No further action required
493906	8/11/2021	7:13AM	7900 Island BLVD, AVENTURA	FM	3 hours 2 minutes	140,501	Little Maule Lake	Yes	18" DI force main broken due to external corrosion	Repaired by installing 18' section of 18" DI pipe	Yes	Force main replacement on going with corrosion resistant HDPE pipe
493998	8/12/2021	5:25PM	8737 SW 132 ST	FM	2 hours 55 minutes	98,629	Storm Drain	No	12" AC force main broken by non-county contractor	Repaired 12" AC force main	Yes	Non-County Contractor will be charged for damages. AC force main will be recommended for replacement

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
494165	8/16/2021	12:00PM	1099 SW 1 AVE MIAMI 33130	GM	1 hour 15 minutes	5	Land	No	Gravity main blockage due to grease	Cleared gravity main blockage due to grease	No	No further action required
494316	8/19/2021	9:00AM	3750 NE 170 ST, NORTH MIAMI BEACH 33160	GM	2 hours	80	Land	No	Gravity main blockage due to grease	Cleared gravity main blockage due to grease	No	No further action required
494511	8/22/2021	3:20PM	NE 18 ST & NE 4 AVE, MIAMI 33132	GM	2 hours	25	Storm Drain	No	Gravity main blockage due to grease	Cleared gravity main blockage due to grease	No	No further action required
495002	9/1/2021	11:40AM	SW 184 ST & Old Cutler, RD PALMETTO BAY	FM	35 minutes	510	Storm Drain	No	12" DI FM leaking due to interior corrosion	Repaired affected segment of 12" DI FM with C-900 pipe	No	No further action required
495532	9/12/2021	9:00AM	SW 117 AVE & SW 72 ST	FM	1 hour 40 minutes	50	Storm Drain	No	Leaking check valve	Repaired leaking check valve	No	No further action required
495898	9/20/2021	8:00AM	18120 NW 51 PL	GM	2 hours	70	Land	No	Gravity main blockage due to grease	Cleared gravity main blockage due to grease	Yes	Placed on accelerated cleaning cycle

**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
496390	9/28/2021	11:15AM	NE 199 ST & NE 18 AVE	FM	45 minutes	4,391	Storm Drain	No	6" PVC FM broken by County contractor	Repaired broken 6" PVC FM	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	7/5/2021	N/A	6120 SW 92 AVE	Lat	N/A	5	N/A	N/A	Mainline blockage due to grease and rags caused BBU	Cleared blockage and vendor rendered assistance cleaning/sanitizing	No	No further action required
N/A	8/19/2021	N/A	2321 SW 122 CT	Lat	N/A	1	N/A	N/A	Mainline blockage caused BBU	Cleared blockage and vendor rendered assistance cleaning/sanitizing	No	No further action required
N/A	8/19/2021	N/A	2321 SW 122 CT	Lat	N/A	1	N/A	N/A	Mainline blockage caused BBU	Cleared blockage and vendor rendered assistance cleaning/sanitizing	No	No further action required

# Appendix A

## Supporting Documentation for SSO Events

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Supporting document for August 12, 2021 Event on 8737 SW 132 Street caused by non-County Contractor



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

09/21/2021

Certified 7010 0290 0000 0787

LAWN PRO  
8010 SW 19 ST  
MIAMI, FL 33155

Attn: AUGUSTIN RAMIREZ

Re: File No: JS08589

Customer No. 00038167

Expenses incurred by Miami Dade Water & Sewer Department to repair and restore service to a damaged 12" A/C Sewer Force Main at 8770 SW 132nd ST. The damaged was caused by Lawn Pro during excavation while using an auger to install a dry well. The contractor was excavating under 811 ticket # 208105398. The damage created a sewer spill in the area of approximately 98,629 gallons of raw sewage under incident #3493998.

Note: The contractor is negligence by damaging the 12" A/C Sewer Force Main and leaving the area after causing a large sewer spill.

Damage Date: 8/12/21

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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

c: File

Figure 1 - Notice letter to contractor