



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

miamidade.gov

January 31, 2025

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

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

VIA ELECTRONIC CORRESPONDENCE

CCN: 65716

File No: 8.DC.20.32

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

Sirena Davila

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

Sirena.Davila@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 - 2024 Quarterly Report

No. 4

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 2024 Quarterly Report No. 4. The 2024 Quarterly Report No. 4 covers the period from October 1, 2024, to December 31, 2024.

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.

2024 Quarterly Report No. 4 January 31, 2025 Page 2

Should you have any questions regarding this matter, please call me at (786) 552-8894.

Sincerely,

Marisela J. Aranguiz-Cueto, P.E.

Deputy Director

Miami-Dade Water and Sewer Department

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

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 Viviana.Useche@FloridaDEP.gov Jonathan.Odjo@FloridaDEP.gov Sed.wastewater@dep.state.fl.us Antonio.Pernas@floridaDEP.gov Guy.Cappello@floridaDEP.gov

Paul Schwartz
Associate Regional Counsel
U.S. EPA, Region 4
61 Forsyth Street, SW
Atlanta, Georgia 30303
Schwartz.Paul@epa.gov

Roy Coley, Office of the Mayor Miami-Dade County Chief Operations Officer 111 NW 1st Street 29th Floor Miami, FL 33128 Roy.Coley@miamidade.gov Elizabeth Teegen
Chief Assistant Attorney General, Complex
Litigation
Office of the Attorney General
PL-01, The Capitol
Tallahassee, FL 32399-1050
850-414-3808
Elizabeth.Teegen@myfloridalegal.com

Jairo Castillo-Valenzuela
Andrew Gunderson
Wastewater Enforcement Section
Water Enforcement Branch
Enforcement & Compliance Assurance Division
USEPA Region 461 Forsyth Street. S.W.
Atlanta, GA 30303
Castillo.Jairo@epa.gov
Gunderson.Andrew@epa.gov

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

Amanda Kinnick, Interim Director Miami-Dade Water and Sewer Department 3071 SW 38th Avenue Miami, Florida 33146 Amanda.Kinnick@miamidade.gov 2024 Quarterly Report No. 4 January 31, 2025 Page 3

Sarah Davis
Miami-Dade Assistant County Attorney
Miami-Dade County Attorney's Office
111 NW First Street Suite 2810
Miami, Florida 33128
Sarah.Davis@miamidade.gov

Billie Jo McCarley (WASD) Catalina Lopez-Velandia (WASD) Frances G. Morris (WASD) James B. Ferguson (WASD) Juan Curiel (WASD) François Saint-Phard (WASD) Miguel Jimenez (WASD) Carlos A. Castro (WASD) Rolando Roque (WASD) Ana Caveda (WASD) Rebecca Dahdah (WASD) Jose Ortega (CAO) Katherine Sanchez (CAO) Rashid Istambouli (RER-DERM) Galo Pacheco (RER-DERM) Oscar Aguirre (RER-DERM) Roger Williams (CD PMCM)



2024 Quarterly Report No. 4

(Fortieth Quarterly Report)

October 1, 2024, through December 31, 2024

Prepared for

United States Environmental Protection Agency and Florida Department of Environmental Protection

Consent Decree
Case: No. 1:12-cy-24400-FAM

Prepared by

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

This Page Has Been Intentionally Left Blank

2024 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 2024 Quarterly Report No. 4 on or before January 31, 2025.

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 measures 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 and the associated supporting documentation can be found in Appendix A.

Table 1 – Description of SSO Events Caused by Act of God or Liable Third Party

	Date	Location	Volume (gallons)	Third Party		
1	10/17/2024	35303 SW 180 AVE	3,200	Downrite Engineering		
2	11/5/2024	16000 NW 7 AVE	259,577	I&C Earth Movers		

3.1 SSOs (Excluding Building Backups)

Table 2 (page 4) documents all SSO events, excluding Building Backups (BBUs), for the fourth calendar quarter of 2024. There was a total of eighteen (18) SSO events:

- Eleven (11) events involved force mains.
- Four (4) events involved gravity mains.
- Two (2) events involved air release valves.
- One (1) event involved a pump station.

There were five (5) SSO events that may have 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. However, there was no building backup event to record during this reporting period. Building Backups information is shown in Table 3.

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 Progress Update for Ongoing CD Capital Improvement Projects Beyond Compliance Date

On August 13, 2021, the County submitted a CD Outstanding Force Majeure and Potential Delay Notification letter to EPA and FDEP. Therein, the County committed to provide progress updates in the quarterly reports for the CD Capital Improvement Projects which are ongoing and have experienced delays beyond the Compliance Date. The progress updates for these projects are tabulated in Appendix B.

6.0 Amendment to Previous Quarterly Report

No amendment was made to the 2024 Quarterly Report No. 3.

Table 2 - Sanitary Sewer Overflows

CCID	Date	Time	Location	C	Est. Duration hr:min	n Est. Volume gallons	Destination	Waters Of US	Sauce Course	Immediate Five	Long Term Fix		
CCID			Location	Source					Cause	Immediate Fix	Req'd	Solution	
556824	10/15/2024	11:24AM	2701 SW 102 AVE	FM	1 hour 36 minutes	56,201	Storm Drain	No	8" Ductile Iron (DI) force main (FM) broken due to point load.	Repaired FM.	No	No further action required.	
557001	10/17/2024	2:54PM	35303 SW 180 AVE	FM	4 hours 21 minutes	3,200	Land	No	20" DI FM broken by non- County contractor.	Repaired affected portion of FM.	Yes	Bill contractor for damage and repair.	
557399	10/23/2024	7:23PM	18630 N BAY RD	GM	4 hours 37 minutes	20	Land	No	Gravity main (GM) blockage due to grease.	Cleared gravity main blockage. Cleaned upstream and downstream branch of collection system.	No	No further action required.	
557604	10/27/2024	10:00PM	SW 137 AVE & SW 62 ST	AARV	3 hours	900	Land	No	Automatic air release valve (AARV) broken due to non-standard PVC material.	Replaced AARV.	No	Isolated event with no further action required.	
557861	11/1/2024	10:00AM	422 GOLDEN BEACH DR	FM	2 hours 30 minutes	43,770	Intercostal Waterway	Yes	8" DI FM leaking due to corrosion.	Repaired affected portion of FM.	Yes	FM recommended for replacement.	
558054	11/5/2024	9:18AM	16000 NW 7 AVE	FM	2 hours 12 minutes	259,577	Land	No	8" DI FM broken by non- County contractor.	Repaired FM.	Yes	Bill contractor for damage and repair.	
558123	11/6/2024	3:20PM	18798 SW 105 PL	FM	1 hour 20 minutes	42,521	Storm drain and BELLE AIRE CANAL C1N	Yes	6" Asbestos cement (AC) FM broken by non-County contractor.	Repaired FM .	No	No further action required.	
558173	11/7/2024	9:58AM	9040 SW 79 AVE	FM	2 hours 32 minutes	710	Storm Drain	No	6" PVC FM broken due to sub standard material.	Repaired FM .	Yes	FM recommended for replacement.	
558809	11/19/2024	3:55PM	9400 SW 80TH ST	FM	2 hours 35 minutes	28,962	Land	No	4" AC FM broken by unknown contractor jack and bore.	Repaired the affected FM segment.	Yes	FM recommended for replacement.	
558826	11/19/2024	9:30PM	11495 SW 190TH TER RD	PS	1 hour	500	Land	No	Check valve failure due to force main back pressure at Pump station (PS) 0636.	Isolate the pump station. Bypass the station with a portable pump.	Yes	Replaced check valve. No further action required.	
558859	11/20/2024	11:24AM	SW 117 AVE & SW 187 ST	FM	36 minutes	6,414	Land	No	Abandoned 12" cast iron (CI) FM that was repressurized after valve exercise.	Repaired the affected portion and abandoned in place.	No	No further action required.	

Table 2 - Sanitary Sewer Overflows

0010	Date	Time	Location	Source	Est. Duration	Est. Volume	Destination	Waters Of US		loon diet Fin	Long Term Fix		
CCID					hr:min	gallons			Cause	Immediate Fix	Req'd	Solution	
559168	11/26/2024	1:50PM	9035 SW 160 TER	FM	1 hour 55 minutes	10,244	CUTLER DRAIN CNLC100	Yes	6" PVC FM broken due to sub standard material.	Repaired FM .	Yes	FM recommended for replacement.	
559355	12/1/2024	12:34PM	8031 NE BAYSHORE CT	GM	11 minutes	100	Land	No	GM blockage due to grease and debris.	Cleared gravity main blockage. Cleaned upstream and downstream branch of collection system.	No	Isolated incident with no further action required.	
559560	12/5/2024	11:53AM	1040 BISCAYNE BLVD	GM	1 hour 2 minutes	5	Land	No	GM blockage due to grease and debris.	Cleared gravity main blockage. Cleaned upstream and downstream branch of collection system.	No	Isolated incident with no further action required.	
559971	12/13/2024	8:30AM	9615 SW 187 ST	FM	30 minutes	850	Land	No	6" CI FM broken by County contractor.	Repaired broken FM.	Yes	Bill contractor for damage and repair.	
560229	12/18/2024	3:00PM	15711 TURNBERRY DR	FM	1 hour 15 minutes	159,452	TURNBERRY GOLF COURS	Yes	12" DI FM broken by non- County contractor.	Repaired broken FM.	No	No further action required.	
560384	12/21/2024	3:30PM	11403 SW 133 PL	GM	1 hour	50	Land	No	GM blockage due to grease and debris.	Cleared GM blockage, cleaned upstream and downstream branch of the collection system.	No	Isolated incident with no further action required.	
560526	12/26/2024	11:10AM	SW 71 ST & SW 132 AVE	ARV	3 hours 20 minutes	3,000	PRIVATE LAKE	Yes	Manual air release valve (ARV) riser broken at nipple on corporation.	Repaired ARV with new standard material.	No	Isolated incident with no further action required	

Appendix A
Supporting Documentation for SSO Events

Supporting document for October 17, 2024, event at 35303 SW 180 AVE, Miami caused by a liable Non-County Contractor.

12/18/2024

Certified Mail Return Receipt Requested

DOWNRITE ENGINEERING CORP. 14241 SW 143RD COURT MIAMI, FL 33186

Reference: File No: JS10901 Customer No. 00000246

Expenses incurred by Miami-Dade Water & Sewer Department to repair and restore service to a damaged sewer force main at 35303 SW 180th Ave. The damage occurred by a track hoe-hit while Downrite Engineering was installing a future water main for MDWS/Kolter Land. The excavator failed to notify MDWS of an unmarked facility in the excavation area as required by law under Florida Statute 556.105(9)(c). The damage created a sewer spill of approximately 3,200 gallons of raw sewage. The contractor was working under Sunshine State One-Call Location Ticket #275401098.

Damage/Repair Date: 10/17/2024

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 the Special Collections Unit at (786) 552-8171. Thank you for your cooperation.

angula M. Butler Controller Die Special Collections Unit

c: File 1005096751

Figure 1 - Notice letter to County Contractor

<u>Supporting document for November 5, 2024, event at 16000 NW 7 AVE, Miami caused by a liable Non- County Contractor</u>

01/30/2025 Certified Mail Return Receipt Requested I & C EARTHMOVERS, CORP. 10117 SW 5TH ST MIAMI, FL 33174 Reference: File No: JS11042 Customer No. 00066976 Expenses incurred by Miami-Dade Water & Sewer Department to repair and restore service to a damaged sewer force main at 16000 NW 7th Ave. The damage occurred by a track-hoe while I&C Earthmovers was installing drainage for FDOT. The sewer force main was marked correctly. The damage was reported to Miami-Dade Water & Sewer Department by Rafeal Perez, a representative for I&C Earthmovers. The damage created a sewer spill of approximately 259,577 gallons of raw sewage. The contractor was excavating under Sunshine State One-Call Location Ticket #288403644. Damage/Repair Date: 11/5/2024 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 the Special Collections Unit at (786) 552-8171. Thank you for your cooperation. angela M. Butler Special Collections Unit c: File 1005109073

Figure 2 - Notice letter to County Contractor

Appendix B

Quarterly Update of Select Consent Decree Capital Improvement Projects

Appendix B Progress Updates for Ongoing CD Capital Improvement Projects Beyond Compliance Date - 2024 Quarterly Report No. 4

No.	Date of Request/ Notification	Project No.	Project Status Update	Estimated Delay	Projected Completion Date	Compliance Date
1	10/20/2023 10/31/2023	CD 1.7 SDWWTP Digesters and Control Building	CD 1.7 is currently behind schedule due to delays associated with the corbel modifications, sludge header piping modifications, and challenges experienced during the start-up and commissioning of Cluster 1. As detailed in the Force Majeure Notification and Request for Time Extension letter submitted on October 31, 2023, the delays at Cluster No. 1 are primarily due to the inability to achieve a stable, reliable, and sustained operation at the targeted hydraulic retention time (HRT) of 15-days, per the Basis of Design Report dated July 2015 and approved by FDEP August 19, 2016. Meeting the 15-day HRT is pre-requisite to the decommissioning of the existing operational Cluster No. 2 for rehabilitation. It was determined that the operational risks were too great to proceed with the implementation of Cluster No. 2. Thus, Cluster No. 2 construction activities have been halted pending further investigation. The County will provide an update on this project by the spring of 2025. The current construction status for Cluster No. 1 is 87% completed.	1659 Days	6/6/2028	11/21/2023
2	9/10/2020 6/16/2023	CD 2.15 CDWWTP Digesters Plant 2	CD 2.15 was divided into three (3) child projects: 2.15(1), 2.15(2) and 2.15(3) • CD 2.15(1) Digesters Cluster 1 is 99% complete. • CD 2.15(2) Digesters Cluster 2 is currently in the startup phase and being increased gradually to ensure stable digestion for performance testing. This project experienced delays due to the corbel modifications, equipment failure prior to testing, and the extended startup and commissioning period to ensure biological acclimatization. This child project is 99.5% complete. • CD 2.15(3) Digesters Cluster 3 is in the procurement phase. The initiation of the construction was contingent upon substantial completion of CD 2.15(1) Cluster 1 and CD 2.15(2) Cluster 2 to ensure adequate digestion treatment at CDWWTP. A Request for Time Extension and Project Status Update letter for CD 2.15 Digester Plant 2 was submitted to EPA and FDEP on June 16, 2023. This extension will allow the County to develop a new approach to Digester Upgrades for CD 2.15(3) Cluster 3 that will integrate lessons learned and incorporates a conservative construction duration. The current construction status is 65% complete.	1815 Days	6/6/2028	6/18/2023
3	1/10/2020	CD 2.19 CDWWTP Co-generation Facility	Construction of the Co-generation Facility was completed on October 4, 2019. However, the project's completion is contingent on sufficient biogas production from the digesters being completed as part of CD 2.15 Clusters 1 and 2 in order to perform acceptance and performance testing. The current construction status is 99% complete.	2050 Days	12/31/2025	5/21/2020
4	6/6/2018 12/28/2022	CD 1.6/ CD 1.8 SDWWTP Thickening and Dewatering Projects	These projects are currently in construction and were impacted due to the long re-bid process and SCADA modifications. Currently, equipment installation tests are being conducted for startup. The substantial completion of the project was impacted due to design and construction of the inline WAS Booster Pump Station. The inline WAS Booster Pump Station is required to proceed with startup and commissioning of new Thickening and Dewatering Building. On June 6, 2018, the County notified the EPA and FDEP of a Force Majeure which impacted the CD Compliance Date for the Thickening and Dewatering Projects. On December 28, 2022, the County submitted a Request for Time Extension and Project Status Update Notification Letter to the EPA and FDEP. The current construction status is 99% complete.	824 Days	4/9/2025	1/6/2023

Appendix B Progress Updates for Ongoing CD Capital Improvement Projects Beyond Compliance Date - 2024 Quarterly Report No. 4

No.	Date of Request/ Notification	Project No.	Project Status Update	Estimated Delay	Projected Completion Date	Compliance Date
5		CD 2.12/ CD 2.13/ CD 2.16/ CD 2.18 CDWWTP	These projects are currently in construction and were impacted due to the long re-bid process, SCADA modifications, design and construction of the inline WAS Booster Pump Station and dedicated roof runoff system. The inline WAS Booster Pump Station is required to proceed with startup and commissioning of New Thickening and Dewatering Building. The current construction status is 96% complete.	944 Days	8/14/2025	1/13/2023