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miamidade.gov

July 26, 2024

VIA ELECTRONIC CORRESPONDENCE

CCN: 65500

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

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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

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. 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 2024 Quarterly Report No. 2. The 2024 Quarterly Report No. 2 covers the period from April 1, 2024, to June 30, 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. 2 July 26, 2024 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:

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Roy Coley, Director Miami-Dade Water and Sewer Department 3071 SW 38th Avenue Miami, Florida 33146 Roy.Coley@miamidade.gov 2024 Quarterly Report No. 2 July 26, 2024 Page 3

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2024 Quarterly Report No. 2

(Thirty-Ninth Quarterly Report)

April 1, 2024, through June 30, 2024

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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2024 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 2024 Quarterly Report No. 2 on or before July 30, 2024.

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 was one (1) event that would qualify under Section X Paragraph 42 (vi) as described above. This SSO event is 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	5/2/2024	NW 57 AVE & NW 3 ST, Miami	443,702	S and D Contractor

3.1 SSOs (Excluding Building Backups)

Table 2 (page 4) documents all SSO events, excluding Building Backups (BBUs), for the second calendar quarter of 2024. There was a total of thirty-three (33) SSO events:

- Seventeen (17) events involved gravity mains.
- Eight (8) events involved force mains.
- Four (4) events involved automatic or manual air release valves.
- Two (2) events involved pump stations.
- Two (2) events involved public laterals.

There were two (2) 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. Therefore, no building backup table is included in this report.

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. 1.

Table 2 - Sanitary Sewer Overflows

0010	D-4-	Time	Location	Source	Est. Duration	Est. Volume gallons	Destination	Waters Of US		loons adiata Fin	Long Term Fix		
CCID	Date				hr:min				Cause	Immediate Fix	Req'd	Solution	
545929	4/7/2024	1:05PM	NW 71 ST & NW 4 AVE	GM	30 minutes	50	Storm Drain	No	Gravity main (GM) blockage due to grease and debris.	Cleared GM blockage. Cleaned upstream and downstream branch of collection system.	Yes	GM maintenance required within the last 3 years. Smart Cover installed.	
546131	4/11/2024	10:22AM	210 NW 55 CT	FM	1 hour 38 minutes	40	Land	No	Small intermittent leak on a gasket inside the access hatch on 60" prestressed concrete cylinder pipe (PCCP) force main (FM).	The access hatch and the gasket were replaced.	No	No further action required.	
546148	4/11/2024	4:00PM	3000 BISCAYNE BLVD	GM	1 hour 30 minutes	50	Storm Drain	No	GM blockage due to grease.	Cleared GM blockage. Cleaned upstream and downstream branch of collection system.	No	No GM maintenance required within the last 3 years. Isolated incident with no further action required.	
546335	4/15/2024	12:18PM	16442 NW 77 PL	LAT	1 hour 42 minutes	40	Land	No	Public lateral and GM blockage due to concrete which was dumped through customer's exposed cleanout	Affected section of main and lateral were removed and replaced.	No	Lines were televised and no othe obstructions were found.	
546538	4/19/2024	1:39AM	NW 112TH ST & NW 32ND AVE	FM	2 hours 21 minutes	8,008	Storm Drain	No	12" ductile iron (DI) FM broken due to point loading.	Repaired broken FM.	Yes	FM is under review by Wastewater Collections to request funding allocation in fiscal year 24 25.	
546767	4/23/2024	3:23PM	8169 NW 48 TER	GM	52 minutes	50	Storm Drain	No	GM blockage due to grease and debris.	Cleared GM blockage, cleaned upstream and downstream branches of the collection system.	No	No gravity main maintenance required within the last 3 years. Isolated incident with no further action required.	
547129	4/30/2024	9:22PM	4761 NW 4TH TER	GM	2 hours 23 minutes	100	Land	No	GM blockage due to grease.	Cleared GM blockage. Cleaned upstream and downstream branch of collection system.	No	No gravity main maintenance required within the last 3 years. Isolated incident with no further action required.	
547176	5/1/2024	5:30PM	6910 MAIN ST	AARV	1 hour 30 minutes	300	Storm Drain	No	Automatic air release valve (AARV) leaking from the seal.	Replaced AARV.	No	Isolated incident with no further action required.	
547216	5/2/2024	12:00PM	NW 57 AVE & NW 3 ST	FM	3 hours 30 minutes	443,702	BLUE LAGOON	Yes	48" High density polyethylene (HDPE) FM broken by non-County contractor during directional drilling.	Diverted FM flow, cleaned and disinfected the area, replaced broken FM segment.	Yes	Bill contractor for damages and repair.	

Table 2 - Sanitary Sewer Overflows

CCID	Dete	Time	Lagation Sour		Location		Est. Duration	Est. Volume	Destination	Waters	Course	Immoradiate Fix	Long Term Fix		
CCID	Date	Time	Location	Source	hr:min	gallons	Destination	Of US	Cause	Immediate Fix	Req'd	Solution			
547860	5/15/2024	7:59AM	1027 NE 210 TER	GM	1 hour 46 minutes	20	Storm Drain	No	GM blockage due to grease.	Cleared GM blockage, cleaned upstream and downstream of the collection system.	No	No GM maintenance required within the last 3 years. Isolated incident with no further action required.			
547863	5/15/2024	10:00AM	19300 W COUNTRY CLUB DR	FM	2 hours 30 minutes	55,365	RETAINER POND	Yes	8" Polyvinyl chloride (PVC) FM broken by non-County contractor during directional drilling.	Repaired broken FM segment with new section C-900 PVC.	Yes	Reconciled GIS records.			
547875	5/15/2024	11:36AM	6199 NW 110 AVE	PS	1 hour 54 minutes	500	Land	No	Pump station (PS) 0094 broken due to pump mechanical failure.	Replaced check valve and PS operations restored.	No	No further action required.			
548008	5/17/2024	4:00PM	34 NE 70 ST	GM	20 minutes	5	Storm Drain	No	GM blockage due to grease and debris.	Cleared (GM) blockage. Cleaned upstream and downstream branch of collection system	No	No further action required.			
548125	5/20/2024	11:14AM	SW 127 AVE & SW 288 ST	ARV	2 hours 16 minutes	475	Land	No	Air release valve (ARV) riser broken at PVC nipple	Replaced ARV with new valve	No	Isolated incident with no further action required.			
548594	5/29/2024	5:06PM	839 SW 4 ST	LAT	59 minutes	25	Storm Drain	No	Public lateral blockage due to grease.	Cleared lateral blockage.	Yes	Customer missing clean-out cap. To be referred to DERM for enforcement.			
548615	5/30/2024	8:00AM	11941 SW 122 AVE	ARV	55 minutes	975	Storm Drain	No	ARV riser broken at nipple on corporation.	Rebuilt ARV with new standard material.	No	Isolated incident with no further action required.			
548725	6/1/2024	10:45AM	1750 NE 191 ST	GM	2 hours 35 minutes	50	Storm Drain	No	GM blockage due to grease.	Cleared GM blockage. Cleaned upstream and downstream branch of collection system.	Yes	Gravity main maintenance has been required within the last three years. Smart Cover will be installed.			
549295	6/12/2024	2:44PM	561 NE 79TH ST	GM	11 minutes	20	Land	No	GM blockage due to grease.	Cleared gravity main blockage. Cleaned upstream and downstream branch of collection system.	No	No gravity main maintenance required within the last 3 years. Isolated incident with no further action required.			
549327	6/12/2024	7:00PM	SW 17TH AVE & S DIXIE HWY	GM	21 hours	216,000	Storm Drain	No	Manhole overflow due to heavy rain and surcharge conditions (No Name Storm).	Maintained pump station and overflowing manholes with vactors and tankers, area was cleaned and disinfected.	Yes	Basin under I/I evaluation to identify potential repairs and/or upgrades.			

Table 2 - Sanitary Sewer Overflows

0010	D-4-	Time	14:		Est. Duration	Est. Volume	D4!4!	Waters		loomedists Fin		Long Term Fix
CCID	Date	Time	Location	Source	hr:min	gallons	Destination	Of US	Cause	Immediate Fix	Req'd	Solution
549376	6/13/2024	9:00AM	7771 NW 181 ST	GM	1 minute	125	Storm Drain	No	Manhole overflow due to heavy rain and surcharge conditions. (No Name Storm).	Maintained pump station and overflowing manholes with vactors and tankers, area was cleaned and disinfected.	Yes	Basin under I/I evaluation to identify potential repairs or upgrades.
549379	6/13/2024	9:00AM	NW 51ST AVE & NW 5 ST	GM	8 hours	250	Storm Drain	No	Manhole overflow due to heavy rain and surcharge conditions (No Name Storm).	Maintained pump station and overflowing manholes with vactors and tankers, area was cleaned and disinfected.	Yes	Basin under I/I evaluation to identify potential repairs or upgrades.
549381	6/13/2024	8:26AM	9580 W CALUSA CLUB DR	FM	1 hour 54 minutes	21,377	Storm Drain	No	6" PVC force main broken due to sub-standard material.	Repaired FM segment.	Yes	FM is under review by wastewater collections to request funding allocation in fiscal year 24-25.
549394	6/13/2024	10:13AM	8255 NW 58 ST	GM	22 hours 47 minutes	75	Land	No	Manhole overflow due to heavy rain and surcharge conditions. (No Name Storm).	Maintained pump station and overflowing manholes with vactors and tankers, area was cleaned and disinfected.	Yes	Basin under I/I evaluation to identify potential repairs or upgrades.

Appendix A
Supporting Documentation for SSO Events

<u>Supporting document for May 2, 2024, event at NW 57 AVE & NW 3 ST, Miami caused</u> by non-County Contractor



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

Certified 70211970000150075865

S&D Contractor, LLC. 20020 SW 132ND AVE Miami, FL 33177

Attn: Yolaine Dominguez

Re: File No: JS10653

Customer No. 00040762

Expenses incurred by Miami-Dade Water & Sewer Department to repair and restore service to a damaged 48-inch sewer force main at the intersection of NW 57th Ave & NW 3rd St. The damage occurred by directional drilling while S&D Contractor, LLC was installing conduits for Mastec/FPL. The damage created a sewer spill of approximately 443,702 gallons of raw sewage under incident # 547216 that infiltrated and damaged the inside of the property duplex of 5656 & 5658 NW 3rd St. The area was marked with offsets on the sidewalk. The excavator failed to soft dig the area prior to excavation as required by law under Florida Statute 556.105(5)(c). The contractor was working under Sunshine State One-Call Location Ticket # 109403364.

Damage/Repair Date: 05/02/2024

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.

Sincerely,
Controller Division
Special Collections Unit

c: File
1004994023



Figure 1 - Notice letter to non-County Contractor

SFWMD PROVISIONAL RAINDAR EOD DAILY RAINFALL ESTIMATES FROM: 0700 EST, 06/12/2024 THROUGH: 0700 EST, 06/13/2024

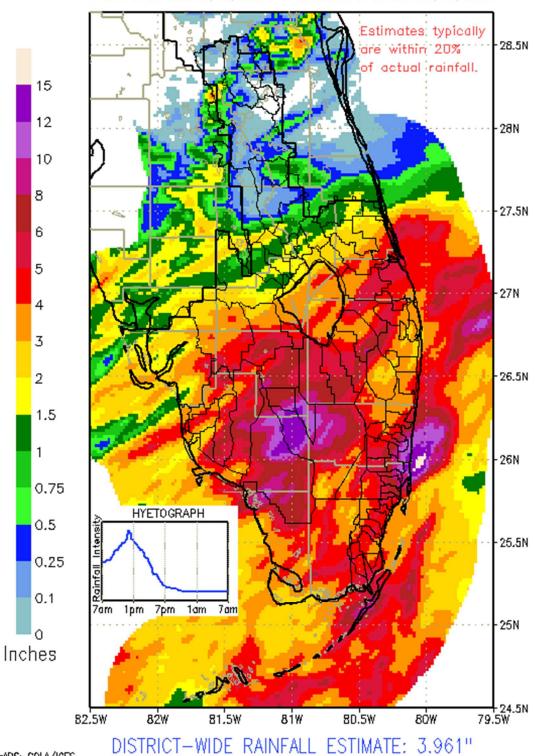


Figure 2 – South Florida Water Management District Daily Historical Rainfall June 12, 2024

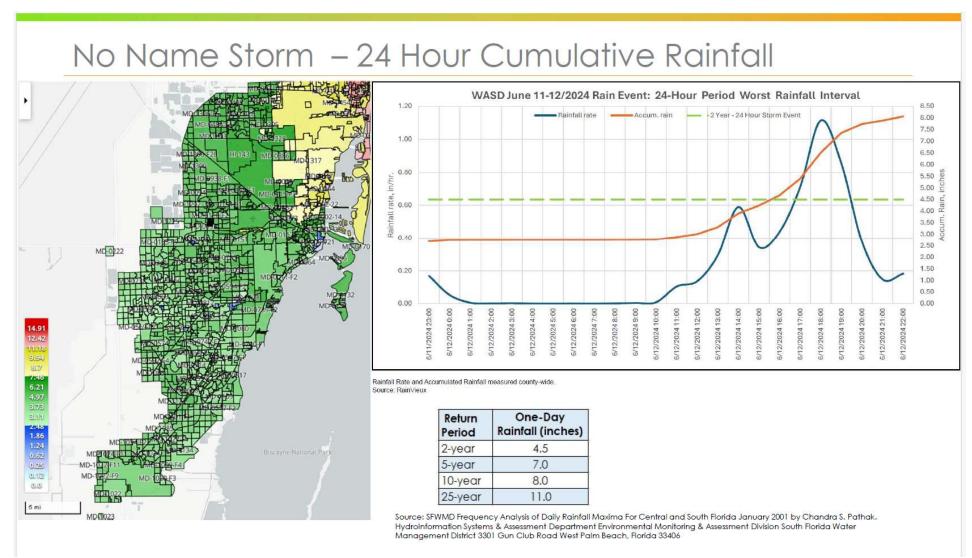


Figure 3 – No Name Storm – 24 Hour Cumulative Rainfall for June 12, 2024

Figure 1 - Notice letter to non-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. 2

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 by the summer of 2024. The current construction status for Cluster No. 1 is 87% completed. The percentage was adjusted from 97% to account for the remaining Consent Decree scope of work.	1659 Days	6/6/2028	11/21/2023
2	6/28/2019 1/15/2021 3/17/2021	CD 1.11 SDWWTP General Electrical	CD 1.11 was divided into three child projects: 1.11(1.1), 1.11(1.2) and 1.11(2): • CD 1.11(1.1) SDWWTP Substations no.9 through 12. This project is in construction. The construction of all four (4) Substations has been completed. The programing of SCADA signals including fire and HVAC systems are ongoing. This child project is 96% complete. • CD 1.11(1.2) Generator Repairs: The four (4) emergency generators are 99% complete. • CD 1.11(2) Replacement of the primary feeders from the main switchgear to the effluent pump stations nos.1-6 was completed on April 11, 2022.	1254 Days	8/31/2024	3/26/2021
3	9/10/2020 6/16/2023	CD 2.15 CDWWTP Digesters Plant 2	CD 2.15 was divided into three 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
4	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.	1659 Days	12/5/2024	5/21/2020

Appendix B
Progress Updates for Ongoing CD Capital Improvement Projects Beyond Compliance Date - 2024 Quarterly Report No. 2

No.	Date of Request/ Notification	Project No.	Project Status Update	Estimated Delay	Projected Completion Date	Compliance Date
5	6/6/2018 12/28/2022	CD 1.6/ CD 1.8 SDWWTP Thickening and Dewatering Projects	CD 1.6/CD 1.8 - are currently in construction. The project was 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 97% complete.	683 Days	11/19/2024	1/6/2023
6	6/6/2018 12/28/2022	CD 2.12/ CD 2.13/ CD 2.16/ CD 2.18 CDWWTP Thickening and Dewatering Projects and Odor Control Systems	CD 2.12/CD 2.13/CD 2.16/CD 2.18 - are currently in construction. The project was impacted due to 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 94% complete.	908 Days	7/9/2025	1/13/2023