



Daniella Levine Cava, Mayor

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

miamidade.gov

VIA ELECTRONIC CORRESPONDENCE

October 30, 2024

CCN: 65595

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
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. 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 2024 Quarterly Report No. 3. The 2024 Quarterly Report No. 3 covers the period from July 1, 2024, to September 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.



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

Sincerely,

For 

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

cc:

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Florida Department of Environmental Protection
Southeast District – West Palm Beach
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West Palm Beach, FL 33406
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Rashid Istambouli (RER-DERM)
Galo Pacheco (RER-DERM)
Oscar Aguirre (RER-DERM)
Roger Williams (CD PMCM)



2024 Quarterly Report No. 3

(Fortieth Quarterly Report)

July 1, 2024, through September 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. 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 2024 Quarterly Report No. 3 on or before October 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 were three (3) events 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	7/12/2024	SW 77 AVE & SW 90 ST	3,691	Blue Streat Telecommunications
2	8/8/2024	NE 203 ST & W DIXIE HWY	56,5904	ASAP Installations
3	9/27/2024	14400 SW 92ND AVE	820	EMSA Underground LLC

3.1 SSOs (Excluding Building Backups)

Table 2 (page 4) documents all SSO events, excluding Building Backups (BBUs), for the third calendar quarter of 2024. There was a total of twenty-one (21) SSO events:

- Ten (10) events involved gravity mains.
- Nine (9) events involved force mains.
- One (1) event involved an automatic air release valve.
- One (1) event involved a lateral.

There were three (3) 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. 2.

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
550839	7/7/2024	8:15PM	SW 153 AVE & SW 112 ST	ARV	1 hour 15 minutes	8,631	Storm Drain	No	Manual air release valve (ARV) was broken at nipple.	Repaired manual ARV with WASD standard materials.	No	Isolated incident with no further action required.
551104	7/12/2024	8:32AM	SW 77 AVE AND SW 90 ST	FM	2 hours 28 minutes	3,691	Storm Drain	No	6" Polyvinyl chloride (PVC) force main (FM) broken by non-County contractor during directional drilling.	Repaired broken force main.	Yes	Billed non-County contractor for damage and repairs. No further action required.
551235	7/14/2024	8:30PM	2755 NW 192 TER	GM	3 hours 10 minutes	40	Storm Drain	No	Gravity main (GM) blockage due to grease.	Cleared blockage. Cleaned upstream and downstream branch of collection system.	No	No maintenance required within the last 3 years. Isolated incident with no further action required.
551522	7/19/2024	8:28PM	11750 SW 18 ST	GM	3 hours 17 minutes	100	Storm Drain	No	GM blockage due to grease.	Cleared blockage. Cleaned upstream and downstream branch of collection system.	No	No maintenance required within the last 3 years. Isolated incident with no further action required.
551981	7/28/2024	7:00PM	220 KINGS POINT DR	GM	2 hours 40 minutes	40	Storm Drain	No	GM blockage due to grease.	Cleared GM blockage. Cleaned upstream and downstream branch of collection system.	No	No maintenance within the last 3 years. Isolated incident with no further action required.
552061	7/29/2024	6:30PM	1302 NW 36TH AVE	LAT	1 hour	70	SOUTH FORK MIAMI RIVER	Yes	Lateral blockage due to grease.	Cleared blockage. Cleaned affected area. TV inspection to further assess issues.	No	No further action required.
552604	8/8/2024	4:30PM	NE 203 ST & W DIXIE HWY	FM	4 hours 50 minutes	565,904	Storm Drain	No	30" Ductile iron (DI) FM broken by non-County contractor while installing piling.	Repaired broken FM.	Yes	Bill non-County contractor for damage and repairs. No further action required.
552617	8/8/2024	10:30PM	11401 NW 89 ST	GM	2 hours	80	Storm Drain	No	GM blockage due to unknown contractor illegally dumping debris/rocks.	Cleared blockage. Cleaned upstream and downstream branches of the collection system.	No	No further action required.
552635	8/9/2024	10:22AM	8905 NW 114 AVE	GM	4 days 2 hours 8 minutes	120	Storm Drain	No	GM blockage due to unknown contractor illegally dumping debris/rocks.	Cleared blockage. Cleaned upstream and downstream branches of the collection system.	No	No further action required.
552764	8/12/2024	12:08PM	12201 NW 7 TER	FM	1 hour 22 minutes	250	Land	No	16" DI FM leaking at the joint/gasket.	Repaired leaking FM.	No	Isolated incident with 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
553719	8/27/2024	7:00AM	28501 SW 162 AVE	FM	3 hours 5 minutes	958	Land	No	Leaking due to split on 8" DI FM.	Repaired broken FM.	Yes	FM under review for replacement.
553922	8/30/2024	10:30AM	4500 E ISLAND BLVD	FM	2 hours	98,198	MAULE LAKE	Yes	4" PVC FM broken by non-County contractor while installing piling.	Repaired broken FM.	Yes	Reconcile GIS information (AASIS).
554172	9/3/2024	12:53PM	18720 SW 352 ST	FM	2 hours 7 minutes	820	Land	No	12" DI FM leaking due to improper bedding.	Repaired broken FM.	No	No further action required.
554375	9/6/2024	2:17PM	2091 NW 30 ST	GM	13 minutes	20	Land	No	GM blockage due to grease.	Cleaned upstream and downstream branch of collection system.	Yes	Maintenance required within the last 3 years. Install a SmartCover.
554498	9/8/2024	11:20PM	12660 SW 189 ST	GM	45 minutes	140	MANMADE LAKE	Yes	GM blockage due to grease.	Cleaned upstream and downstream branch of collection system.	No	No further action required.
554785	9/12/2024	3:00PM	20523 NW 39 CT MIAMI GARDENS	GM	2 hours	40	Storm Drain	No	GM broken by unknown contractor directional drilling	Repaired broken GM.	No	No further action required.
555527	9/24/2024	1:30PM	20401 SW 104 CT CUTLER BAY	FM	1 hour 30 minutes	75	Land	No	6" Asbestos cement (AC) FM leaking due to gasket failure.	Repaired broken FM.	Yes	FM recommended for replacement.
555738	9/27/2024	2:35PM	14400 SW 92ND AVE	FM	1 hour 1 minute	820	Land	No	8 DI FM broken due to non-County contractor directional drilling.	Repaired broken FM.	Yes	Bill non-County contractor for damage and repairs. No further action required.
555750	9/27/2024	6:57PM	11430 SW 5 TER SWEETWATER	GM	1 hour 18 minutes	100	Storm Drain	No	GM blockage due to debris.	Cleaned upstream and downstream of the collection system. Televised the line segment and no line defect found.	No	No further action required.
555854	9/30/2024	9:00AM	9913 SW 159 AVE	FM	30 minutes	720	Storm Drain	No	12" DI FM broken due to point load.	Repaired broken FM.	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
555882	9/30/2024	12:38PM	19142 NW 35TH AVE MIAMI GARDENS	GM	1 hour 22 minutes	40	Storm Drain	No	GM blockage due to grease.	Cleared 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.

Appendix A

Supporting Documentation for SSO Events

Supporting document for July 12, 2024, event at SW 77 AVE & SW 90 ST, Miami caused by non-County Contractor


 miamidade.gov	Water and Sewer PO Box 330316 * 3071 SW 38 Avenue Miami, Florida 33233-0316 T 305-665-7471
09/13/2024	Certified 70211970000150077173
Blue Streak, LLC 12595 SW 137th Ave Suite 208 Miami, FL 33186	
Attn: Jesse Cangiano	
Re: File No: JS10755	Customer No. 00052276
<p>Expenses incurred by Miami-Dade Water & Sewer Department to repair and restore service to a damaged 6-inch sewer force main at SW 90th St & SW 77th Ave. The damage occurred by directional boring while Blue Streak, LLC was installing conduits for AT&T. The damage was discovered by Sewer Collection, A Leon who reported an AT&T conduit protruding through the 6-inch sewer force main. The contractor was excavating under Sunshine State One-Call Location Ticket # 213200134. The damage created a spill of approximately 3,691 gallons of raw sewage.</p>	
Damage/Repair Date: 07/12/2024	
<hr/> <p>This is to advise you that your company is being held liable for the above-referenced utility damage resulting from your work operation.</p>	
<p>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.</p>	
<p>Any questions concerning this matter should be referred to the Special Collections Unit at (786) 552-8171. Thank you for your cooperation.</p>	
Sincerely,	
Controller Division Special Collections Unit	
c: File 1005036379	

Figure 1 - Notice letter to non-County Contractor

Supporting document for August 8, 2024, event at NE 203 ST & W Dixie Hwy, Miami caused by non-County Contractor

10/30/2024

Certified Mail
Return Receipt Requested

ASAP INSTALLATIONS LLC
3600 Red Road Suite 406
Miramar, FL 33025

Reference : File No: JS10827

Customer No. 00065204

Expenses incurred by Miami-Dade Water & Sewer department to repair and restore service to a damaged 30-inch ductile iron sewer force main at 2760 NE 203rd St. The damage occurred while ASAP Installations was installing metal sheets for a new expressway project for Condotte America Inc. The sewer main was marked correctly with off-sets. The damage created a spill of approximately 565,904 gallons of raw sewage.

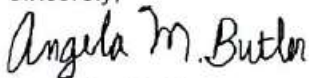
Damage/Repair Date: 08/08/2024

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
1005053109

Figure 2 - Notice letter to non-County Contractor

Supporting document for September 27,2024, event at 14400 SW 92 AVE, Miami caused by non-County Contractor

10/29/2024

Certified Mail
Return Receipt Requested

EMSA UNDERGROUND CONSTRUCTION LLC
13448 SW 154th St Apt# 2408
Miami, FL 33177

Reference : File No: JS10868

Customer No. 00065118

Expenses incurred by Miami-Dade Water & Sewer department to repair and restore service to a damaged 8-inch sewer force main at 14400 SW 92nd Ave. The damage occurred by directional drilling while EMSA Underground Construction LLC was installing communication conduits for Florida Power and Lights. The excavator failed to verify the depth of conflicting facilities by soft digging/potholing 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 # 250406978. The damage created a spill of approximately 820 gallons of raw sewage.

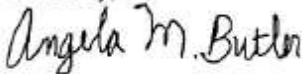
Damage/Repair Date: 09/27/2024

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
1005084567

Figure 3 - 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. 3

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	<p>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.</p> <p>The County will provide an update on this project by the spring of 2025.</p> <p>The current construction status for Cluster No. 1 is 87% completed.</p>	1659 Days	6/6/2028	11/21/2023
2	6/28/2019 1/15/2021 3/17/2021	CD 1.11 SDWWTP General Electrical	<p>CD 1.11 was divided into three (3) child projects: 1.11(1.1) , 1.11(1.2) and 1.11(2):</p> <ul style="list-style-type: none"> • CD 1.11(1.1) SDWWTP Substations No. 9 through 12. This project met substantial completion on July 23, 2024. • CD 1.11(1.2) Generator Repairs: The four (4) emergency generators are 100% complete and in operation This child project met substantial completion on December 19, 2023. • CD 1.11(2) Replacement of the primary feeders from the main switchgear to the Effluent Pump Stations No.1-6 was completed on April 11, 2022. 	1215 Days	7/23/2024	3/26/2021
3	9/10/2020 6/16/2023	CD 2.15 CDWWTP Digesters Plant 2	<p>CD 2.15 was divided into three child projects: 2.15(1), 2.15(2) and 2.15(3)</p> <ul style="list-style-type: none"> • 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. <p>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.</p> <p>The current construction status is 65% complete.</p>	1815 Days	6/6/2028	6/18/2023
4	1/10/2020	CD 2.19 CDWWTP Co-generation Facility	<p>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.</p> <p>The current construction status is 99% complete.</p>	1911 Days	8/14/2025	5/21/2020

Appendix B

Progress Updates for Ongoing CD Capital Improvement Projects Beyond Compliance Date - 2024 Quarterly Report No. 3

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	<p>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.</p> <p>The current construction status is 98% complete.</p>	824 Days	4/9/2025	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	<p>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.</p> <p>The current construction status is 95% complete.</p>	944 Days	8/14/2025	1/13/2023