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January 31, 2024

VIA ELECTRONIC CORRESPONDENCE

CCN: 65284
File No: 8.DC.20.52

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U.S. Department of Justice
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RE: DOJ No. 90-5-1-1-4022/1
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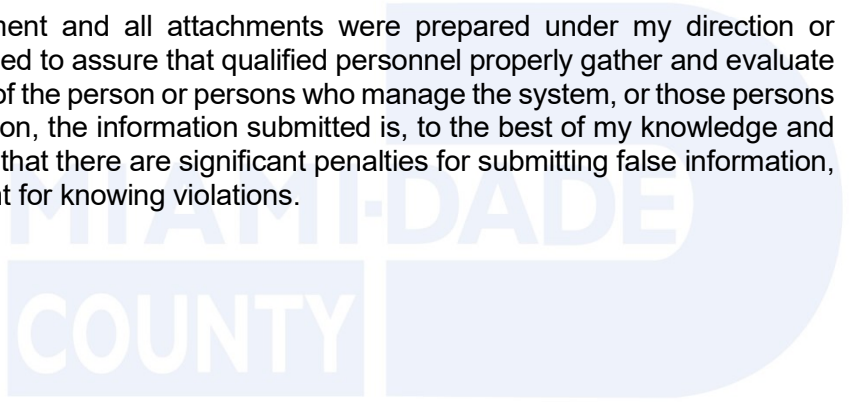
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Southeast District – West Palm Beach
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**RE: Consent Decree (Case: No. 1:12-cv-24400-FAM),
Reference DOJ Case No. 90-5-1-1-4022/1,
Section IX – Reporting Requirements, Paragraph 33 – Semi-Annual Reports – 2023 Semi-Annual
Report No. 2**

Dear Sir or Madam:

In accordance with the provisions of Paragraph 33 of the above referenced Consent Decree, on behalf of Miami-Dade County, the Water and Sewer Department (WASD) submits to both the United States Environmental Protection Agency (EPA) and the State of Florida Department of Environmental Protection (FDEP) the 2023 Semi-Annual Report No. 2. The report includes the progress made in implementing the requirements of the aforementioned Consent Decree during the period of time from July 1, 2023 through December 31, 2023. The report also includes the anticipated work to be completed over the next two calendar quarters through 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.



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

Sincerely,



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2023 Semi-Annual Report No. 2 (Nineteenth Semi-Annual Report)

July 1, 2023 through December 31, 2023

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
and the
Consent Decree Program Management Construction Management
Team**



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Acronyms and Abbreviations

AASIS	Active As-built Supplemental Information Systems
AC	Asbestos Cement
BODR	Basis of Design Report
CCTV	Closed-Circuit Television
CD	Consent Decree
CDWWTP	Central District Wastewater Treatment Plant
CIP	Capital Improvement Project
CIPP	Cured in Place Pipe
CMOM	Capacity, Management, Operations and Maintenance
County	Miami-Dade County
COVID-19	Novel Coronavirus Disease 2019
DOJ	Department of Justice
EFT	Electronic Funds Transfer
EPA	Environmental Protection Agency
ET	Elapsed Time
FDEP	Florida Department of Environmental Protection
FM	Force Main
FMOPMARP	Force Main Operations, Preventative Maintenance and Assessment/Rehabilitation Program
FM R/R P	Force Main Rehabilitation/Replacement Program
FOG	Fats, Oils and Grease
FPL	Florida Power and Light
FSE	Food Service Establishments
FYTD	Fiscal Year to Date
GDO	Grease Discharge Operations
GIS	Geographic Information System
GPD	Gallons per Day
GPDIM	Gallons per Day per Inch-Diameter Mile
GPM	Gallons per Minute
GSS	Gravity Sewer System
I/I	Inflow/Infiltration
IMS	Information Management System
IT	Information Technology
KPI	Key Performance Indicators
LF	Linear Foot
LWT	Liquid Waste Transporters
MGD	Million Gallons per Day
N/A	Not Applicable
NAPOT	Nominal Average Pump Operating Time
NDWWTP	North District Wastewater Treatment Plant
NPDES	National Pollutant Discharge Elimination System
OOL	Ocean Outfall Legislation
PCCP	Prestressed Concrete Cylinder Pipe
PDR	Public Document Repository
PS	Pump Station
PSOPMP	Pump Station Operations and Preventative Maintenance Program
R & R	Renewal and Replacement

Acronyms and Abbreviations (continued)

RER-DERM	Department of Regulatory and Economic Resources-Division of Environmental Resources Management
RTU	Remote Telemetry Unit
SCADA	Supervisory Control and Data Acquisition
SDWWTP	South District Wastewater Treatment Plant
SEP	Supplemental Environmental Project
SORP	Sewer Overflow Response Plan
SPiDER	Spherical Imagery Digitally Enhanced Rendering
SSAMP	Sewer System Asset Management Program
SSES	Sanitary Sewer Evaluation Survey
SSO	Sanitary Sewer Overflow
VFD	Variable Frequency Drive
VSC	Volume Sewer Customer
WASD	Miami-Dade Water and Sewer Department
WCTL	Wastewater Collection and Transmission Line
WCTS	Wastewater Collection and Transmission System
WWTP	Wastewater Treatment Plant

1.0 Executive Summary

On May 21, 2013, Miami-Dade County ("County") approved a Consent Decree ("CD") with the United States of America, the State of Florida Department of Environmental Protection, and the State of Florida, in the case styled United States of America et. al. v. Miami-Dade County, Florida, No. 1:12-cv-24400-FAM. On June 6, 2013, the CD was lodged with the United States District Court for the Southern District of Florida ("Court"). The Effective Date of the CD is December 6, 2013 (six (6) months after the date of lodging). On April 9, 2014, the Court approved the CD with the United States of America, the Florida Department of Environmental Protection, and the State of Florida.

Per the approved CD, the County submits this Semi-Annual Report ("Report") to the Environmental Protection Agency (EPA) and the State of Florida Department of Environmental Protection (FDEP) for review and comment in accordance with the requirements of Paragraph 33. This Report includes a description of the projects and activities completed and milestones achieved during the previous two (2) calendar quarters (July 1, 2023 through December 31, 2023), and also provides projections for significant projects and activities anticipated to be completed in the next two (2) calendar quarters (January 1, 2024 through June 30, 2024).

During this reporting period, there were no transfers of funds from the Miami-Dade Water and Sewer Department (WASD) that are required to be tracked and reported by Subparagraph 19(j)(v) of the CD and the Policy Resolutions. This is in conformity with the County approved Resolution No. R-282-14 enacted on March 18, 2014. The resolution requires that there shall be no transfer of funds from the collection of sewer rates for purposes not related to the management, operation, or maintenance of the Sewer System or its capital improvement needs.

During the previous two (2) calendar quarters, the County reached substantial completion on two (2) additional Appendix D Capital Improvement Projects (CD Projects 1.2 and 2.22). There were two (2) CD CIP deadlines due during this reporting period:

- CD 1.4 Chlorine Building at the South District Wastewater Plant (SDWWTP) which was previously completed on January 27, 2022, ahead of the final deadline of August 7, 2023.
- CD 1.7 Digesters and Control Buildings (SDWWTP) which experienced delays and did not meet the final deadline of November 21, 2023.

All other CD requirements were met.

In accordance with Section IX, Paragraph 52 of the CD, the County provided the following notices:

- CD 2.22 – Pump Station 2 at CDWWTP met substantial completion with the flow meter installation by Miami Dade County staff on August 12, 2023. A Notification of Completion was submitted on October 6, 2023.

- CD 2.1 Electrical Improvements at CDWWTP met substantial completion when the child project CD 2.1(7) Substation No.7A, 8A, 9A and 10A was completed on November 17, 2021. A Notification of Completion was submitted on October 6, 2023.
- CD 1.7 Digesters and Control Buildings (SDWWTP) experienced delays during the start-up and commissioning of the Cluster No.1 Digesters and Acid-Phase Reactors. A Force Majeure Delay Notification and Request for Time Extension was submitted on October 20, 2023. On October 31, 2023, a Revised Force Majeure Delay Notification and Request for Time Extension Letter was submitted. The compliance date for this project was November 21, 2023.
- CD 1.2 Oxygen Production at SDWWTP met substantial completion on September 15, 2023. A Notification of Completion was submitted on October 27, 2023. The compliance date for this this project was February 25, 2022.
- CD 2.7 Secondary Clarifiers Plant 1, CD 2.8 Secondary Clarifiers Plant 2 and CD 2.9 RS Pump Station Plant 1 experienced delays during procurement and construction phases. A Delay Notification and Time Extension Request was submitted on November 15, 2023. These delays may impact the compliance date of August 15, 2026 for CD 2.7 and 2.9, and compliance date of December 1, 2024 for CD 2.8. The letter requested an extension of time for CD 2.7, 2.8 and 2.9 to a revised compliance date of December 31, 2027.

The County continues to be fully engaged with the successful implementation and compliance of the CD, in the midst of the global supply chain challenges, economic inflation, and the lack of workforce availability. First, with the County's continued development and implementation of the nine (9) new CMOM Programs (CD Section VI, Paragraph 19), all of which have been approved. Second, with the County's execution of the eighty-one (81) Capital Improvement Projects included in Appendix D which have an approximate total cost of \$2.01 billion, and the Supplemental Environmental Project (SEP) included in Appendix E. As of this reporting period, sixty-one (61) projects with a total cost of \$910 million have reached substantial completion, fifteen (15) projects with a cost of \$884 million are in the construction phase, and five (5) projects with a cost of \$214 million are in the pre-construction phases of planning and procurement.

The projects, activities and milestones achieved, and the deliverables submitted to EPA and FDEP are listed on Table 1-1 (page 3). The upcoming projects, activities, milestones, and deliverables for the next two (2) calendar quarters are listed on Table 1-2 (page 6). Additional program and project information is included in the Work Progress Tables and Gantt charts in Appendix A and Appendix B, respectively. Any issues, clarifications, decisions, and resolutions are included on Table 1-3 (page 7).

Table 1-1 Completed CD Projects, Activities, Milestones, and Deliverables				
CD Projects, Activities, and Milestones	CD Reference	CD Deadline	Completion or Submittal Date	CD Compliant (Yes/No)
Make available a copy of each specified Deliverable in the Public Document Repository (PDR) no later than one (1) business day from submission	Section V, para. 9	Ongoing	Ongoing	Yes
Ensure Adequate Pumping, Transmission and Treatment Capacity under the conditions of CD Appendix A	Section VI, para. 18(a)	Ongoing	Ongoing	Yes
Continue implementing existing Pump Station Remote Monitoring Program	Section VI, para. 18(b)	Ongoing	Ongoing	Yes
Continue implementing existing Spare Parts Program	Section VI, para. 18(d)	Ongoing	Ongoing	Yes
Continued Implementation of Sanitary Sewer Overflow (SSO) Identification and Reporting	Section VI, para. 19(b)	Within 24 hours and 5 days of known occurrence	Ongoing	Yes
Submit 2023 Semi-Annual Report No. 1	Section IX, para. 33	7/31/2023	7/31/2023	Yes
Post 2023 Semi-Annual Report No. 1 in PDR	Section IX, para. 36	1 business day after submittal	7/31/2023	Yes
Submit 2023 Quarterly Report No. 2	Section IX, para. 32	7/31/2023	7/31/2023	Yes
Post 2023 Quarterly Report No. 2 in PDR	Section IX, para. 36	1 business day after submittal	7/31/2023	Yes
Request to Waive Stipulated Penalties for CD 5.1 – Pump Station No. 0418	Section XI, para. 52 & Section XVII, para. 77	9/8/2023	9/8/2023	Yes
Post Request to Waive Stipulated Penalties for CD 5.1 – Pump Station No. 0418 in PDR	Section V, para. 9	1 business day after submittal	9/8/2023	Yes
Submit Notification of Completion for CD 2.22 Pump Station No. 2 CDWWTP	Section XI, para. 52 & Section XVII, para. 77	10/6/2023	10/6/2023	Yes
Post Notification of Completion for CD 2.22 Pump Station No. 2 CDWWTP in PDR	Section V, para. 9	1 business day after submittal	10/6/2023	Yes

Table 1-1 Completed CD Projects, Activities, Milestones, and Deliverables				
CD Projects, Activities, and Milestones	CD Reference	CD Deadline	Completion or Submittal Date	CD Compliant (Yes/No)
Submit Notification of Completion for CD 2.1 Electrical Improvements at CDWWTP	Section XI, para. 52 & Section XVII, para. 77	10/6/2023	10/6/2023	Yes
Post Notification of Completion for CD 2.1 Electrical Improvements at CDWWTP in PDR	Section V, para. 9	1 business day after submittal	10/6/2023	Yes
Submit Force Majeure Delay Notification and Request for Time Extension CD 1.7 Digesters and Control Building	Section XI, para. 52 & Section XVII, para. 77	10/20/2023	10/20/2023	Yes
Post Force Majeure Delay Notification and Request for Time Extension CD 1.7 Digesters and Control Building in PDR	Section V, para. 9	1 business day after submittal	10/20/2023	Yes
Submit Payment of FDEP Demand for SSO Stipulated Penalties Letter	Section X, para. 42(a) and Order Modifying Section X	10/24/2023	10/24/2023	Yes
Post Payment of FDEP Demand for SSO Stipulated Penalties Letter in PDR	Section V, para. 9	1 business day after submittal	10/24/2023	Yes
Submit Notification of Completion for CD 1.2 Oxygen Production at SDWWTP	Section XI, para. 52 & Section XVII, para. 77	10/27/2023	10/27/2023	Yes
Post Notification of Completion for CD 1.2 Oxygen Production at SDWWTP in PDR	Section V, para. 9	1 business day after submittal	10/27/2023	Yes
Submit 2023 Quarterly Report No. 3	Section IX, para. 32	10/31/2023	10/30/2023	Yes
Post 2023 Quarterly Report No. 3 in PDR	Section IX, para. 36	1 business day after submittal	10/30/2023	Yes
Submit Revised Force Majeure Delay Notification and Request for Time Extension CD 1.7 Digesters and Control Building	Section XI, para. 52 & Section XVII, para. 77	10/30/2023	10/31/2023	Yes
Post Revised Force Majeure Delay Notification and Request for Time Extension CD 1.7 Digesters and Control Building in PDR	Section V, para. 9	1 business day after submittal	10/31/2023	Yes

Table 1-1 Completed CD Projects, Activities, Milestones, and Deliverables

CD Projects, Activities, and Milestones	CD Reference	CD Deadline	Completion or Submittal Date	CD Compliant (Yes/No)
Submit Delay Notification and Time Extension Request for CD 2.7, 2.8, and 2.9 – Secondary Clarifiers and Return Sludge Pump Station at CDWWTP	Section XI, para. 52 & Section XVII, para. 77	11/15/2023	11/15/2023	Yes
Post Delay Notification and Time Extension Request for CD 2.7, 2.8, and 2.9 – Secondary Clarifiers and Return Sludge Pump Station at CDWWTP in PDR	Section V, para. 9	1 business day after submittal	11/15/2023	Yes

Table 1-2 Upcoming CD Projects, Activities, Milestones, and Deliverables in the Next Two Calendar Quarters

CD Projects, Activities, and Milestones	CD Reference	CD Deadline	Anticipated Completion or Submittal Date
Submit 2023 Quarterly Report No. 4	Section IX, para. 32	1/31/2024	1/31/2024
Post 2023 Quarterly Report No. 4 in PDR	Section IX, para. 36	1 business day after submittal	1 business day after submittal
Submit 2023 Semi-Annual Report No. 2	Section IX, para. 33	1/31/2024	1/31/2024
Post 2023 Semi-Annual Report No. 2 in PDR	Section IX, para. 36	1 business day after submittal	1 business day after submittal
Submit 2024 Quarterly Report No. 1	Section IX, para. 32	5/1/2024	5/1/2024
Post 2024 Quarterly Report No. 1 in PDR	Section IX, para. 36	1 business day after submittal	1 business day after submittal

Table 1-3 is an “Issues Log” which includes issues that have been identified by WASD, Department of Regulatory and Economic Resources-Division of Environmental Resources Management (“RER-DERM”), EPA or FDEP with regard to the CD and any clarifications, decisions, or resolutions of these issues.

Table 1-3 Issues Log			
Item	Date	Description	Resolution/Clarification/Decision
1	7/20/2017	At the July 20, 2017 EPA/FDEP/ WASD CD Program Update Meeting, WASD proposed a scope modification for CD CIP 5.9 Replacement of Plumbing and Electrical Equipment at PS 0301.	The scope modification request for CD CIP 5.9, included the construction of a new Submersible PS, which exceeded the CD description and as such will require a revision to the CD Appendix D CD CIP 5.9 schedule. After the presentation, EPA/FDEP requested a formal request for the proposed change. On July 28, 2017, the County sent EPA/FDEP an official scope modification request for CD CIP 5.9 Replacement of Plumbing and Electrical Equipment. On October 16, 2019, the County re-distributed the scope modification for CD CIP 5.9 letter as requested by EPA. This item is pending final decision.
2	2/13/2018	<p>On February 13, 2018, the County advised EPA, FDEP and Department of Justice (DOJ) that the Public Document Repository (PDR) site would be migrated to a Microsoft cloud-based system.</p> <p>WASD communicated to EPA and FDEP that their Public Information Office (PIO) will continue to provide access to deliverables digitally. Upon request for hard copies, the PIO will provide in accordance with public records law.</p>	<p>On February 14, 2018, EPA, DOJ and FDEP did not object to the proposed migration. Once effective, this migration of PDR site will be included in the next Status Report to the Court.</p> <p>On August 1, 2019, the County electronically notified the EPA/FEP that the PDR was unavailable to the public for an estimated four (4) days due to a server failure. The new cloud-based PDR system was put into production on July 31, 2019 and by August 1, 2019 most of the library was restored. On October 4, 2019, the County submitted a letter detailing the timeline of the breach in PDR compliance.</p>

Table 1-3 Issues Log

Item	Date	Description	Resolution/Clarification/Decision
3	4/19/2018	At the April 2018 CD Program Update Meeting, WASD mentioned that there will be an amendment to the County Ordinance regarding the time a business must connect to a public lateral. In line with federal laws, it will be modified to reflect one (1) year. There is reference in Appendix E Supplemental Environmental Project Plan of the CD, however, indicating a different timeframe, i.e., "Pursuant to existing regulations, businesses will have ninety (90) days to abandon their septic systems and connect to the public laterals."	<p>EPA stated there may be a need to change that language in the CD and that the matter would be discussed with the DOJ. On December 19, 2019, the County provided SEP CD Language to EPA that is under consideration by DOJ.</p> <p>At the December 2020 CD Program Update Meeting, EPA requested to resend information of the SEP language changed by the Ordinance. The information was resent on December 17, 2020. This item is pending final decision.</p>
4	4/19/2018	At the January 24, 2017 monthly meeting, WASD mentioned that the Ocean Outfall Legislation Program is in the process of developing the Conceptual Memorandum. After the development of that Report the change of scope for CD CIP 2.14 CDWWTP Digesters Plant 1 will be submitted to EPA/FDEP. At the April 2018 CD Program Update Meeting, WASD reported that the complete rehabilitation of Plant 2 Clusters 1, 2, and 3 under CD CIP 2.15 will provide full digestion treatment capacity required for CDWWTP and no improvement for CD CIP 2.14 is anticipated for both the CD and Ocean Outfall Legislation Program (OOL). EPA/FDEP requested that WASD submits a Request for Material Change for CD CIP 2.14.	WASD submitted a Request for Material Change for CD CIP 2.14 to EPA/FDEP on May 21, 2018. The County requested that CD CIP 2.14 be cancelled and deleted from Appendix D-2 of the CD. FDEP has requested to complete testing of Plant 2 Cluster 1 prior to making a decision. The startup and testing of Cluster 1 is currently in progress and the final results are expected at the end of October 2022. This item is pending final decision.
5	12/19/2019	EPA/FDEP to prioritize the review of the CMOM Program Implementation Schedule.	<p>At the December 19, 2019 CD Program Update Meeting, WASD requested an update on the status of the approval for CMOM Program Implementation Schedule submitted on August 6, 2018. Brad Ammons (EPA) committed to prioritize the review of the CMOM Program Implementation Schedule. A revised CMOM Program Implementation Schedule was submitted on May 19, 2021.</p> <p>At the June 2020 CD Program Update Meeting, FDEP suggested that the County update the CMOM Program Implementation Schedule to include language that establishes that the</p>

Table 1-3 Issues Log			
Item	Date	Description	Resolution/Clarification/Decision
			updated schedule is valid if approval is given by target date and language for approval delay procedure. The County provided a revised CMOM Implementation scheduled on March 19, 2021. This item is pending review by EPA and FDEP.
6	2/20/2020	EPA/FDEP to consider WASD's request to discontinue the Semi-Annual Reporting as per CD Sect. IX Paragraph 33.	In the February 2020 CD Program Update Meeting, WASD requested EPA and FDEP consider discontinuing the Semi-Annual Reporting as per CD Section IX, Paragraph 33: "Six year from the Effective Date of the CD and each subsequent year until termination, the United States, FDEP and Miami-Dade agree to consider whether to discontinue the Semi-Annual Reports." At the April 2020 CD Program Update Meeting, FDEP stated that they had no objection in discontinuing the Semi-Annual Reports. At the June 2020 CD Program Update Meeting, the County advised EPA/FDEP that this request was placed on hold for the time being.
7	5/27/2021	Outstanding Force Majeure and Potential Delay Stipulated Penalties	<p>On May 27, 2021, the County, EPA, DOJ, and FDEP met to discuss a list of projects that required additional information in order to make a determination as to whether Stipulated Penalties would be assessed, reduced, or not assessed at all. On August 13, 2021, the County submitted a letter with the requested information on each project, and on December 3, 2021, the County submitted a Supplemental Letter to the 2021 Quarterly Report No. 3.</p> <p>On May 2, 2022, the County submitted a response letter to EPA and FDEP with Additional Information on CD Projects with Force Majeure and Delay Notifications. The County continues to provide project updates as Appendix B of the Quarterly Reports.</p>
8	4/7/2022	Request for Time Extension and Project Status Update Notification for CD Appendix D-2, Capital Improvement Project 1.5 - Effluent Pump Station	On April 7, 2022, the County submitted a Request for Time Extension and Project Status Update Notification for CD Appendix D-2, Capital Improvement Project 1.5 - Effluent Pump Station (SDWWTP) due to unforeseen conditions discovered during

Table 1-3 Issues Log			
Item	Date	Description	Resolution/Clarification/Decision
			<p>construction and subsequent procurement and supply chain delays experienced during construction.</p> <p>On December 7, 2022, the County submitted a Request for Time Extension due to Force Majeure and a request to waive any potential stipulated penalties associated with the delays in project completion, if any. This item is pending a final review by EPA and FDEP.</p>
9	5/19/2022	EPA's Request for Additional Information on Force Majeure and/or Delay Notification Letter received in March 2022.	At the May 2022 CD Program Update Meeting it was discussed that the County submitted a response letter to EPA and FDEP Request for Additional Information on CD Projects with Force Majeure and Delay Notifications on May 2, 2022. This item is pending review by EPA and FDEP.
10	10/12/2022	Force Majeure Notification for Consent Decree Appendix D-2, Capital Improvement Projects in Construction due to Tropical Storm Warnings (Hurricane Ian)	<p>On October 12, 2022, the County submitted a Force Majeure Delay Notification for Projects in Construction with Force Majeure Delay Claims due to Tropical Storm Warnings from Hurricane Ian.</p> <p>On June 6, 2023, the County submitted a Force Majeure Delay Notification Follow-Up Letter for the Projects in Construction with Force Majeure Delay Claims due to Tropical Storm Warnings from Hurricane Ian. This item is pending review by EPA and FDEP.</p>
11	11/4/2022	Force Majeure Notification for Consent Decree Appendix D-2, Capital Improvement Projects 3.3 Oxygenation Trains, and CD 3.4 Oxygen Production at the NDWWTP	On November 4, 2022, the County submitted a Force Majeure Delay Notification for CD 3.3 and 3.4 projects that experienced a Force Majeure delay during the County's competitive procurement process. The two (2) responsive bidders elected to formally withdraw their bids during the final stages of contract negotiation. The County must reassess the bid package before re-advertising the project and will provide an update to EPA and FDEP.

Table 1-3 Issues Log

Item	Date	Description	Resolution/Clarification/Decision
12	12/28/2022	Request for Time Extension and Project Status Update for CD Appendix D-2, Capital Improvement Projects 1.6, 1.8, 2.12, 2.13, 2.16 and 2.18 – Thickening and Dewatering Projects at the SDWWTP and CDWWTP	On December 28, 2022, the County submitted a Request for Time Extension and Project Status Update for CD 1.6 South District Wastewater Treatment Plant (SDWWTP) Gravity Sludge Thickening Facility, CD 1.8 SDWWTP Dewatering Facility, CD 2.12 Central District Wastewater Treatment Plant (CDWWTP) Sludge Thickeners Plant 1, CD 2.13 CDWWTP Sludge Thickeners Plant 2, CD 2.16 CDWWTP Dewatering Building and CD 2.18 CDWWTP Odor Control Systems projects which experienced several delays throughout its execution and requested a time extension. This item is pending review by EPA and FDEP.
13	1/30/2023	Request to Waive Stipulated Penalties for COVID-19 Force Majeure Delay for CD Appendix D-2, Capital Improvement Project 5.9 New Pump Station No. 0301	On January 30, 2023, the County submitted a Request to Waive Stipulated Penalties for COVID-19 Force Majeure Delay for CD Appendix D-2, Capital Improvement Project 5.9 New Pump Station No. 0301 experienced during the Final Acceptance Testing Phase and missed the compliance date by one (1) day. This item is pending review by EPA and FDEP.
14	3/2/2023	Request to Waive Potential Stipulated Penalties CD Appendix D-2, Capital Improvement Project 3.6 Disinfection at NDWWTP	On March 2, 2023, the County submitted a Request to Waive Potential Stipulated Penalties CD Appendix D-2, Capital Improvement Project 3.6 Disinfection for project delays attributed to Force Majeure events and unforeseen circumstances experienced during construction. This item is pending review by EPA and FDEP.
15	4/19/2023	Request to Waive Potential Stipulated Penalties CD Appendix D-2, Capital Improvement Project 5.3 Upgrade Pump Station No. 0692	On April 19, 2023, the County submitted a Request to Waive Potential Stipulated Penalties CD Appendix D-2, Capital Improvement Project 5.3 Upgrade of Pump Station No. 0692 for project delays attributed to Force Majeure events and additional delays experienced during construction. This item is pending review by EPA and FDEP.

Table 1-3 Issues Log			
Item	Date	Description	Resolution/Clarification/Decision
16	6/16/2023	Request for Time Extension and Project Status Update Notification for CD Appendix D-2, Capital Improvement Project 2.15 Digesters Plant 2	On June 16, 2023, the County submitted a Request for Time Extension and Project Status Update Notification for CD Appendix D-2, Capital Improvement Project 2.15 Digesters Plant 2. This project experienced several unforeseen and complex delays during construction, and in the extended startup and commissioning period. This item is pending review by EPA and FDEP.
17	9/8/2023	Request to Waive Stipulated Penalties for CD Appendix D-2, Capital Improvement Project CD 5.1 Upgrade of Pump Station No. 0418	On September 8, 2023, the County submitted a Request to Waive Stipulated Penalties for CD 5.1 Upgrade of Pump Station No. 0418. This project experienced several Force Majeure events that resulted in project completion 17-days past the EPA compliance date. This item is pending review by EPA and FDEP.
18	10/20/2023	Force Majeure Notification and Request for a Time Extension for CD Appendix D-2, Capital Improvement Project 1.7 Digesters and Control Building at SDWWTP	On October 20, 2023, the County submitted a Force Majeure Notification and Request for a Time Extension for CD 1.7 Digesters and Control Building at SDWWTP. This project experienced a delay during the construction start-up and commissioning of Cluster No.1. This item is pending review by EPA and FDEP.
19	10/31/2023	Revised Force Majeure Notification and Request for a Time Extension for CD Appendix D-2, Capital Improvement Project 1.7 Digesters and Control Building at SDWWTP	On October 31, 2023, the County submitted a Revised Force Majeure Notification and Request for a Time Extension for CD 1.7 Digesters and Control Building at SDWWTP. This project experienced a delay during the construction start-up and commissioning of Cluster No.1. This item is pending review by EPA and FDEP.
20	11/15/2023	Delay Notification and Time Extension Request for CD Appendix D-2, Capital Improvement Projects 2.7, 2.8 and 2.9 Secondary Clarifiers and Return Sludge Pump Station at CDWWTP	On November 15, 2023, the County submitted a Delay Notification and Time Extension Request for CD 2.7, 2.8 and 2.9 Secondary Clarifiers and Return Sludge Pump Station at CDWWTP. These projects experienced delays during the procurement and construction phases of the projects. This item is pending review by EPA and FDEP.

2.0 Introduction

2.1 Purpose

On June 6, 2013, the CD was lodged with the United States District Court for the Southern District of Florida (“Court”). The Effective Date of the CD is December 6, 2013 (six (6) months after the date of lodging). On April 9, 2014, the Court approved a CD with the United States of America, the Florida Department of Environmental Protection, and the State of Florida. Pursuant to Section IX of the CD, the County is required to submit a Semi-Annual Report to EPA and FDEP. The County has prepared this Semi-Annual Report to satisfy the reporting requirements found in Paragraph 33 of the CD.

2.2 Requirements

As detailed in Section IX of the CD, the County is required to report the following information concerning compliance with the remedial actions set forth under the CD:

1. A description of projects and activities completed, and milestones achieved during the previous two (2) Calendar Quarters pursuant to the requirements of the CD, in Gantt chart or similar format, including a description of the status of compliance or non-compliance with the requirements of this CD and, if applicable, the reasons of non-compliance;
2. A summary of significant projects and activities anticipated to be performed, and milestones anticipated to be achieved, in the successive two (2) Calendar Quarters to comply with the requirements of the CD, in Gantt or similar format;
3. The amount, recipient, and the date of transfer or use during the previous two (2) Calendar Quarters of funds obtained by the County from the collection of sewer rates for any purpose not related to the management, operation, or maintenance of the Sewer System or to any capital improvement needs of the Sewer System that is required to be tracked and reported pursuant to the Financial Analysis Program set forth in Subparagraph 19(j)(v) of the CD;
4. Any additional information the County determines is appropriate to demonstrate that the County is implementing the remedial actions required under the CD in an adequate and timely manner.

2.3 Reporting Schedule

Pursuant to Paragraph 33 of the CD, Semi-Annual Reports are to be submitted to the EPA and FDEP beginning one (1) month after the first two (2) Calendar Quarters following the Effective Date of the CD, and one (1) month after each subsequent two (2) Calendar Quarters until termination of the CD. Since the Effective Date of the CD is December 6, 2013, the first Semi-Annual Report was submitted on July 30, 2014, according to the above requirement. Subsequent Semi-Annual Reports are being submitted pursuant to Paragraph 33 of the CD. Six (6) years from

the Effective Date of the Consent Decree and each subsequent year until termination, the United States, FDEP, and the County agree to consider whether to discontinue the Semi-Annual Reports. If the United States, FDEP and the County agree to discontinue the Semi-Annual Reports, such modification shall be considered a non-material change to this CD pursuant to Section XX (Modification); and the information required in Subparagraphs 33(a) through (d) in the CD shall then be included in each Annual Report submitted pursuant to Paragraph 34 of the CD and shall cover the applicable Calendar Year rather than two (2) Calendar Quarters.

2.4 Reporting Structure

Work progress is presented in the body of the Report in a narrative format, as well as, in Tables found in Appendix A. The narrative includes a brief description of each CD project, as well as any activities completed or milestones that were achieved in the previous two (2) Calendar Quarters and those anticipated to be completed in the next two (2) Calendar Quarters. In addition to these descriptions, a schedule containing each of the projects in Gantt chart format is provided in Appendix B.

3.0 Work Progress

3.1 Continuation of Capacity, Management, Operations and Maintenance ("CMOM") Programs of the First Partial Consent Decree and Second and Final Partial Consent Decree – Paragraph 18

A summary of the continuing CMOM programs and their status for the previous two (2) Calendar Quarters and the next two (2) Calendar Quarters can be found in Table A-1.1 in Appendix A, Work Progress Tables.

3.2 New CMOM Programs – Paragraph 19(a) through (h), (j)

A summary of the new CMOM programs in Paragraphs 19(a) through (h), (j) and their status for the previous two (2) Calendar Quarters and the next two (2) Calendar Quarters can be found in Table A-2.1 in Appendix A, Work Progress Tables.

3.2.1 Specific Capital Improvement Projects ("CIPs") Program – Paragraph 19(i)

Based on previous investigations the County identified certain rehabilitation projects that are intended to address conditions currently causing SSOs or contributing to National Pollutant Discharge Elimination System (NPDES) permit violations. In accordance with Paragraph 19(i), these specific capital improvements are identified and described in the Work Plan set forth in Appendix D of the CD. A summary of these CIPs and their status for the previous two (2) Calendar Quarters and the next two (2) Calendar Quarters can be found in Work Progress Tables A-3.1, A-3.2 and A-3.3 for the WWTPs, Tables A-4.1 and A-4.2 for the Wastewater Collection and Transmission Lines (WCTL) and Table A-5.1 for the Sewer Pump Station Systems in Appendix A.

3.3 Supplemental Environmental Project Plan

This project was performed pursuant to Section VIII and Appendix E of the CD. The construction of the Supplemental Environmental Project (SEP) reached completion on December 26, 2018, ahead of the CD Compliance deadline of November 18, 2019. The County installed at least seven thousand six hundred sixty (7,660) linear feet of new gravity sewer mains within an industrial area which had no access to sanitary sewers and relied on septic systems.

The SEP Completion Report was submitted on the CD Compliance deadline of December 18, 2019. The EPA and FDEP review and approval of the SEP Completion Report is pending. Some of the properties required to connect were able to establish sewer connections. After being impacted by the Pandemic, RER-DERM has reinitiated enforcement actions for SEP property owners with overdue Notice of Required Connection (NORC). The list of properties that have received NORC letters and those that have connected to date is presented in the connection database spreadsheet included as Appendix D.

4.0 Additional Information

According to Paragraph 33(d), this report shall include "any additional information the County determines is appropriate to demonstrate that Miami-Dade is implementing the remedial actions required under this Consent Decree in an adequate and timely manner."

4.1 State's Ocean Outfall Legislation

In 2008, the Florida Legislature enacted a law requiring all wastewater facilities in southeast Florida utilizing ocean outfalls for disposal of treated wastewater to reduce nutrient load discharges, cease the normal use of outfalls, and expand reuse systems, all by the end of 2025. The primary approach to reduce outfall use is to install new injection wells at North and Central District WWTPs.

The EPA, FDEP, and the County acknowledged that the implementation of the Ocean Outfall Legislation (OOL) may impact the scope of scheduling certain CIPs identified in the Consent Decree Appendix D. Pursuant to Paragraph 19(i), any modifications agreed upon in writing by the EPA, FDEP, and the County to this list of projects or schedules set forth in Appendix D shall constitute a non-material change to the Consent Decree as set forth in Section XX (Modification).

The following progress was completed during the reporting period.

- The two (2) industrial wells at the CDWWTP have been operating at full capacity. These industrial wells reduced about 34 to 36 mgd from the outfall discharge each month. The CDWWTP construction completed drilling the first seven (7) of nine (9) new Class I municipal injection wells. The final two (2) injection wells are permitted, and construction started on one (1) well and mobilization began for drilling the final well. The CDWWTP injection wells construction is about 80 percent complete. All injection well construction is scheduled to be completed by the end of 2024. The completed wells will remain sealed until FDEP approves full-scale testing when the associated yard piping and pump station are complete.

The design of the municipal well pump station was revised to account for other project design changes and the permit drawings are being reviewed by the City of Miami. The permit applications to implement the Stormwater Master Plan were submitted and are being reviewed by the County and FDEP. A task order for the Outfall and Effluent Transfer Pump Station design was advanced toward execution in early 2024. The CDWWTP Electrical Distribution Building 2 (EDB2) and associated facilities began construction. WASD finalized the acquisition of the engine generators that will be installed in EDB 2 and started the construction of the facilities required by Florida Power and Light (FPL) to provide electrical service to the new building.

- NDWWTP's four (4) existing injection wells are continuing to be used to divert reclaimed water from the outfall (50 to 70 percent reduction of daily flow). The NDWWTP initial projects

included installation of new injection wells on the upland portion of the site. Five (5) new Class I municipal injection wells at NDWWTP are designed and permitted. The drilling contractor finished three (3) injection wells and is working on drilling and testing the final two (2) remaining injection wells concurrently. The NDWWTP injection wells construction is 70 percent complete.

The NDWWTP wetland Environmental Resource Permit, Miami-Dade Class I, and Section 404 Individual Permit (state and federal dredge and fill), were issued, including modifications allowing for additional subsurface investigations (404 Permit). The investigations of geotechnical and groundwater conditions in the wetlands are currently underway. Investigation reports and site permitting are nearly complete. The design consultants are now utilizing these data to validate their foundation design. The Site Preparation Project is in procurement. This project is the extensive clearing and filling that precedes the other construction projects. The municipal injection well pump station and filters-disinfection facilities have nearly completed design, including the facilities to implement WASD's Effluent Energy Recovery System Initiative. WASD is preparing a pre-purchase for the disc filters and engine generators. The electrical building for the new facilities (EDB-2 at NDWWTP) is in design and WASD is coordinating with FPL for a new service connection.

Appendix A Work Progress Tables

Table A-1.1 Continuation of CMOM Programs of the First Partial Consent Decree and the Second and Final Consent Decree

Paragraph	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
18(a)	Adequate Pumping, Transmission and Treatment Capacity Program	The Adequate Pumping, Transmission and Treatment Capacity Program is being implemented in accordance with Paragraph 18(a) of the CD. This program was undertaken to ensure that adequate transmission and treatment capacity exists within the County. Pursuant to Appendix A of the CD; monthly capacity certification reports are prepared by RER-DERM and kept on file by WASD. Upon request, these reports will be provided to EPA/FDEP.	1. Continued with the automatic monitoring and tracking of the monthly Elapsed Time (ET) submittals from each Volume Sewer Customer Utility.	1. Continue with the automatic monitoring and tracking of the monthly Elapsed Time (ET) submittals from each Volume Sewer Customer Utility.
			2. Placed automatically under Initial Moratorium (IM) Pump Station basins that exceeded the maximum 10 hours pursuant to the Nominal Average Pump Operating Time (NAPOT).	2. Continue placing automatically under Initial Moratorium (IM) Pump Station basins that exceed the maximum 10 hours pursuant to the Nominal Average Pump Operating Time (NAPOT).
			3. Placed automatically under Incomplete Moratorium (IN) Pump Station basins that failed to submit ET readings or not submitted by the 14th of the following month, as required by the Miami-Dade County Code.	3. Continue placing automatically under Incomplete Moratorium (IN) Pump Station basins that fail to submit ET readings or do not submit them by the 14th of the following month, as required by the Miami-Dade County Code.
			3.1 Used the PS Database to automatically generate and send Notification Letters to all Utilities and Private systems that failed to submit ETs.	3.1. Continue using the application to issue/send automatic enforcement notifications when utilities or Private PS fail to submit ET Data on time.
			4. Continued to use the WEB application for the monthly submittal and tracking of the ET readings to automatically place pump station basins under Incomplete Moratorium (IN) every time a Triplicate Reading was detected.	4. Continue to use the WEB application for the monthly submittal and tracking of the ET readings to automatically place pump station basins under Incomplete Moratorium (IN) every time a Triplicate Reading is detected.
			4.1 Used the PS Database to automatically generate and send Notification Letters to all Utilities and Private systems when TRIPLICATE ET readings were reported.	4.1 Coordinate with IT to further enhance the PS database.
			5. Continued generating the monthly NAPOT Status & Sewer Allocation reports for all Utilities and Building Officials. All Utilities and Building Officials were previously notified of how to access the NAPOT Status on the WEB, by using the PS Estimator WEB Application.	5. Continue generating the monthly NAPOT Status & Sewer Allocation reports to Utilities and Building Officials for submittal to WASD for storing in Database repository for DEP access. The report provides the updated Moratorium status for each PS basin within the Utility service areas.
			6. Sewer Allocations were de-allocated manually for municipalities according to their monthly reports as submitted to RER-DERM.	6. Continue manually de-Allocations for all municipalities according to their completed monthly reports submitted to RER-DERM.
			6.1 Completed automatic de-allocations of reserved flows for projects that are 10 yrs. or more in the system.	6.1 Continue coordination with IT Department to create a WEB Application to allow Building Officials to report on-line the monthly De-Allocation report.
			6.2 Completed automatic de-allocations of reserved flows for projects that are less than or equal to 500 GPD and are more than 5-yrs. in the system.	6.2 Continue automatic de-allocations of reserved flows for projects that are less than or equal to 500 GPD and are more than 5-yrs. in the system.

Table A-1.1 Continuation of CMOM Programs of the First Partial Consent Decree and the Second and Final Consent Decree

Paragraph	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
18(a)	Adequate Pumping, Transmission and Treatment Capacity Program (continued)	The Adequate Pumping, Transmission and Treatment Capacity Program is being implemented in accordance with Paragraph 18(a) of the CD. This program was undertaken to ensure that adequate transmission and treatment capacity exists within the County. Pursuant to Appendix A of the CD; monthly capacity certification reports are prepared by RER-DERM and kept on file by WASD. Upon request, these reports will be provided to EPA/FDEP.	7. Quarterly Utility Round Table (URT) Meetings were held virtually. During the previous quarter, two (2) meetings were held: September 27 and December 13, 2023.	7. Will meet virtually with the utility's representatives, PSO private permittees/owners and the Engineering consultants to discuss/review compliance issues. The next two (2) meetings are schedule for March 27 and June 26, 2024.
			8. Continued to use the PS system/database to track PS basins, new or upgraded with 26 HP or larger pumps, required to submit ET readings for ALL-PUMPS ON and Midnight-to 5 am hours.	8. Continue requiring/notifying all Utilities that propose or upgrade PS with 26 HP pumps, or larger, to submit ET readings for ALL-PUMPS ON and Midnight-to 5 am hours.
			9. Continued to review Sanitary Sewer System Evaluations, or Amendments, submitted by the utilities. PS moratoriums were reverted as the utilities demonstrated compliance with the SSES, Code requirement of 5,000 GPDIM for the 2nd Cycle.	9. Continue to review Sewer System Evaluations Systems (SSES) reports or Amendments when submitted by the utilities. PS moratoriums will be reverted as the utilities demonstrate compliance with the SSES, Code requirement of 5,000 GPDIM.
			9.1 Planned to continue the update of the 4th Cycle SSES Requirements / Guidelines. The 4th Cycle report will be due by 11/12/2032 for all the public utilities.	9.1 Continue the update of the 4th Cycle SSES Requirements / Guidelines. The 4th Cycle SSES report is due by 11/12/2032 for all public utilities.
			9.2 Continued enforcement of utilities still pending to complete the SSES 2nd Cycle.	9.2 Continue with enforcement of utilities still pending to complete the SSES 2nd Cycle.
			9.3 Planned to start reviews of the Utilities SSES 3rd Cycle Report submittals.	9.3 Start reviews of the Utilities SSES 3rd Cycle Report submittals.
			10. Completed the review of the GIS Water & Sewer As-Built / Atlases submitted by each Utility in January-2023 in order to assure compliance with Code requirements.	10. Continue the review of the GIS Water & Sewer As-Built / Atlases submitted by each Utility in January 2024 in order to assure compliance with Code requirements.
			10.1 DERM staff continued using the GIS Water & Sewer Atlases & As-Built layers to determine Adequate Pumping, Transmission, and Treatment capacity, and other reviews/approvals requiring Water and Sewer information.	10.1 DERM staff will continue using the GIS Water & Sewer Atlases & As-Built layers to determine Adequate Pumping, Transmission, and Treatment capacity, and other reviews/approvals requiring Water and Sewer information.
10.2 Upon completion of the Reviews of the GIS submittals, DERM scheduled meetings with Utilities to address and/or to correct issues encountered in the GIS files submitted in January 2023.	10.2 Upon completion of the Reviews of the GIS submittals, DERM will meet with the Utilities to address and/or to correct issues encountered in the files submitted in 2024.			
10.3 DERM reviewed the reports submitted in June 2023 from all VSCO utilities regarding Non-Vacant properties not connected to public water/sewer.	10.3 DERM will continue the review of the reports to be submitted in June 2024 from all VSCO utilities regarding Non-Vacant properties not connected to public water/sewer.			

Table A-1.1 Continuation of CMOM Programs of the First Partial Consent Decree and the Second and Final Consent Decree

Paragraph	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
18(a)	Adequate Pumping, Transmission and Treatment Capacity Program (continued)	The Adequate Pumping, Transmission and Treatment Capacity Program is being implemented in accordance with Paragraph 18(a) of the CD. This program was undertaken to ensure that adequate transmission and treatment capacity exists within the County. Pursuant to Appendix A of the CD; monthly capacity certification reports are prepared by RER-DERM and kept on file by WASD. Upon request, these reports will be provided to EPA/FDEP.	11. Updated Moratorium status of PS basins for which the utility completed and certified the Corrective Action Plan(s) (CAP) to bring basin Nominal Average Pump Operating Time (NAPOT) below the 10 hours.	11. Continue Updating Moratorium status of PS basins for which the utilities completed and certified the Corrective Action Plan(s) (CAP) to bring basin Nominal Average Pump Operating Time (NAPOT) below 10 hours.
			11.1 DERM completed coordination with IT staff to further enhance the PS database to place PS under moratoriums automatically.	11.1 DERM will continue to work with IT staff to enhance the PS database to further enhance the PS database.
			12. Continued Electronic reviews for construction permits pertaining to new or upgrades of Domestic Wastewater Collection and Transmission systems for ALL utilities within the Miami-Dade County service areas.	12. Continue electronic reviews for new construction permits or upgrades of Domestic Wastewater Collection and Transmission systems for ALL utilities within the Miami-Dade County service areas.
18(b)	Pump Station Remote Monitoring Program	The Pump Station Remote Monitoring Program is being implemented in accordance with Paragraph 18(b) of the CD. The continuing program involves the installation and operation of remote monitoring equipment in all Pump Stations in the Wastewater Collection and Transmission System (WCTS) within 6 months after the County becomes operationally responsible for Pump Station. The pump station monitoring system shall continuously monitor, report and transmit data.	Work on the Pump Station Monitoring Program has been ongoing. The pump station monitoring system shall continuously monitor, report and transmit data.	Work on the program is ongoing and will continue beyond June 30, 2024.
18(c)	Wastewater Collection and Transmission System Model	The WCTS model is being implemented in accordance with Paragraph 18(c) of the CD. The model assists in the development and implementation of CMOM programs to optimize transmission capacity and to evaluate the impact of I/I rehabilitation projects; proposed modifications, upgrades and expansions to the WCTS; and performance of the WCTS. The WCTS model can also be used to simulate the manifolded Force Mains and private Pump Stations which manifold into the County's Force Main system.	A consultant was awarded a Professional Service Agreement for this work, and their first assignment has been authorized and is in progress. The first assignment includes model network validation and partial calibration of one of the critical service areas, Pump Station #1 and #2. Model network validation is in progress, all pump stations curves are being reviewed and updated, along with network updates and operational changes.	Anticipated to complete First Task Authorization under the Integrated Master Plan. The PS1 and PS2 hydrologic calibration was finalized in December 2023. The final validation date is anticipated to be achieved by March 2024.

Table A-1.1 Continuation of CMOM Programs of the First Partial Consent Decree and the Second and Final Consent Decree

Paragraph	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
18(d)	Spare Parts Program	The Spare Parts Program is being implemented in accordance with Paragraph 18(d) of the CD. This program is a continuing inventory management program for spare parts for the WCTS and WWTPs.	Work on the program has been ongoing.	The existing program will be enhanced as the new CMOM Programs are implemented. Work on the program is ongoing and will continue beyond June 30, 2023.
18(e)	Volume Sewer Customer Ordinance Program	The VSC Program and the VSC Ordinance were amended in accordance with Paragraph 18(e) of the CD. The Purpose of this program is to eliminate or otherwise control SSOs from the WCTS and the collection and transmission systems of present and future VSCs. Revisions are to be made to the VSC Program and the VSC Ordinance and submitted to EPA/FDEP for approval prior to implementation.	<p>1. Monitored and tracked automatically the monthly submittal of the Elapsed Time (ET) readings from each Volume Sewer Customer utility.</p> <p>2. Automatically placed Moratoriums Pump Stations (PSs) basins under the jurisdiction of the Volume Sewer Customer utilities that exceeded the maximum 10 hours pursuant to the Nominal Average Pump Operating Time (NAPOT).</p> <p>3. Placed automatically under Incomplete Moratorium (IN) Pump Station basins that failed to submit ET readings or did not submit them by the 14th of the following month, or if TRIPPLICATE readings were detected, as required by the Miami-Dade County Code.</p> <p>3.1 Used the WEB ET Application to generate and send Notification Letters to all Utilities and Private systems when they fail to submit ETs.</p> <p>4. Updated Moratorium status of PS basins under the jurisdiction of the Volume Sewer Customer utilities for which the utility completed and certified the Corrective Action Plan(s) (CAP) to bring basin Nominal Average Pump Operating Time (NAPOT) below the 10 hours.</p> <p>5. Created the Volume Sewer Customer Utilities monthly Nominal Average Pump Operating Time (NAPOT) Status Report. Moratoriums were updated accordingly.</p> <p>6. Continued to use the PS system/database to track PS basin Moratoriums related to SSOs.</p> <p>6.1 Completed enhancement of the PS Database to flag the PS if placed under moratorium for No ETs or Triplicate Readings, SSOs, SSES, other.</p>	<p>1. Continue Monitoring and tracking automatically the monthly submittal of the Elapsed Time (ET) readings by each Volume Sewer Customer utility.</p> <p>2. Continue placing automatically under Moratorium Pump Station (PS) basins under the jurisdiction of the Volume Sewer Customer utilities that exceed the maximum 10 hours pursuant to the Nominal Average Pump Operating Time (NAPOT).</p> <p>3. Continue placing automatically under Incomplete Moratorium (IN) Pump Station basins that fail to submit ET readings or do not submit them by the 14th of the following month, or if TRIPPLICATE readings detected, as required by the Miami-Dade County Code.</p> <p>3.1. Continue implementing/using the WEB Application to generate Enforcement Notifications Letters when utilities and/or Private systems fail to submit ET Data on time.</p> <p>4. Continue updating Moratorium status of PS basins under the jurisdiction of the Volume Sewer Customer utilities for which the utilities complete and certify the Corrective Action Plan(s) (CAP) to bring basin's Nominal Average Pump Operating Time (NAPOT) below the 10 hours.</p> <p>5. Continue to generate the Volume Sewer Customer monthly Certification of Nominal Average Pump Operating Time (NAPOT) Status report.</p> <p>6. Continue to use the PS system/database to track PS basin Moratoriums related to SSOs.</p> <p>6.1 Continue coordination with IT to further enhance the automatization of the PS moratoriums due to other conditions, like SSOs, SSES, Triplicate, other.</p>

Table A-1.1 Continuation of CMOM Programs of the First Partial Consent Decree and the Second and Final Consent Decree

Paragraph	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
18(e)	Volume Sewer Customer Ordinance Program (continued)	The VSC Program and the VSC Ordinance were amended in accordance with Paragraph 18(e) of the CD. The Purpose of this program is to eliminate or otherwise control SSOs from the WCTS and the collection and transmission systems of present and future VSCs. Revisions are to be made to the VSC Program and the VSC Ordinance and submitted to EPA/FDEP for approval prior to implementation.	<p>7. Issued enforcement letters or RFIs for SSO events reported or documented by DERM personnel, as needed.</p> <p>7.1 Placed Moratoriums on basins that experienced multiple SSOs, in order to minimize or prevent additional SSOs.</p> <p>7.2 Monitored the 192 Smart Cover Technology Units installed in manholes experiencing or had the potential to cause SSOs events located within the Stormwater Drainage Area C-6 and C-7. The objective was to assist the utilities and to prevent additional SSOs.</p> <p>8. Continued to review the Volume Sewer Customer's Sanitary Sewer System Evaluations (SSES), or Amendments, submitted by the Volume Sewer Customer utilities.</p> <p>8.1 Moratoriums status was reverted as the utilities demonstrated compliance with the SSES, Code requirement of 5,000 GPDIM.</p> <p>8.1.a Moratoriums remain in place for several PS basins under the jurisdiction of Homestead, Opa-Locka, Hialeah and North Bay Village, for failure to demonstrate compliance and/or provide support documentation.</p> <p>8.2 Staff planned to start the reviews of the SSES 3rd Cycle submitted on November 12, 2022.</p> <p>9. Followed-up on the enforcement action against utilities that reported SSOs during this period. Moratoriums were placed on repeat SSO to prevent future discharges subject to the utility implementation of corrective actions.</p> <p>10. Virtual and/or in-person Meetings were held with several Utility/Municipal Officials during this period.</p>	<p>7. Continue to issue enforcement letters or Requests for Information (RFIs) for SSO events reported or documented by DERM personnel, as needed.</p> <p>7.1 Implement Moratoriums as needed to minimize or prevent additional SSOs and adverse impacts to the environment.</p> <p>7.2 Continue monitoring the 192 SmartCover Technology Units within the areas where the units were installed. The main objective is to prevent or minimize SSOs adversely impacting the environment and/or surface waters of the United States.</p> <p>8. Continue to review the Volume Sewer Customer's Sanitary Sewer System Evaluations (SSES), or Amendments, as submitted.</p> <p>8.1 PS moratoriums will be reverted if the utilities demonstrate compliance with the 5,000 GPDIM SSES Code requirement or the moratorium status remains if the utility does demonstrate compliance.</p> <p>8.1.a Continue with enforcement of the utilities failing to submit the support documentation demonstrating compliance with the 5,000 GPDIM standard with the SSES 2nd Cycle. The utilities are: Homestead, Opa-Locka, Hialeah and North Bay Village.</p> <p>8.2 Start reviews of the SSES 3rd Cycle Reports submitted in November 12, 2022.</p> <p>9. Continue enforcement action against any utility that experiences repeat SSOs and implement monitoring and/or inspections, as needed, with the intent to prevent or minimize SSOs. Moratoriums will be placed in cases of repeat SSOs pending the submittal of corrective actions by the utility.</p> <p>10. As needed, schedule additional meetings with the Utility/Municipal officials.</p>

Table A-1.1 Continuation of CMOM Programs of the First Partial Consent Decree and the Second and Final Consent Decree

Paragraph	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
18(e)	Volume Sewer Customer Ordinance Program (continued)	The VSC Program and the VSC Ordinance were amended in accordance with Paragraph 18(e) of the CD. The Purpose of this program is to eliminate or otherwise control SSOs from the WCTS and the collection and transmission systems of present and future VSCs. Revisions are to be made to the VSC Program and the VSC Ordinance and submitted to EPA/FDEP for approval prior to implementation.	<p>11. Implemented automatic De-Allocations of reserved flows that have been in the database for 10 years or more and projects with more than or equal 500 GPD and more than 5-year. This process provided additional flow capacity for new/future developments.</p> <p>11.1 Performed manual De-Allocations of reserved flows that have been in the database for projects completed, expired, canceled or CO'ed.</p> <p>12. As needed, met with all Volume Sewer Customer utilities and/or representatives that participated in the two (2) Virtual URT Meetings held during the last two (2) Quarters in 2023.</p> <p>13. Reviewed Annual and Semi-annual reports submitted by the Volume Sewer Customer Utilities, which include Illicit Stormwater Connections, SSES and CMOM work related reports.</p> <p>14. Completed reviews of the GIS WASD As-Built / Atlases submitted by each Volume Sewer Customer Utility in January 2023 to assure compliance with Code requirements.</p> <p>15. Continued with the inspection program of all public and private sanitary sewer pump stations in the County.</p> <p>15.1 DERM initiated enforcement actions for violations/deficiencies identified during the inspections.</p> <p>16. Hiring of new engineering staff was completed to assist in the reviews of multiple reports from the Volume Sewer Customer Utilities.</p> <p>17. Seven (7) Volume Sewer Customer Utilities were notified about the submittal of the COI Televising Repairs report due on December 31, 2023.</p>	<p>11. Continue to De-Allocate reserved flows that have been in the database for 10 years and project of 500 GPD or less that are more than 5-years. This process will provide additional flow capacity for new/future developments.</p> <p>11.1 Continue performing manual De-Allocations of reserved flows for projects completed, expired, canceled or CO'ed.</p> <p>12. Continue to use Virtual URT meetings with all Volume Sewer Customer utilities to share or inform about Code Requirements, Deadlines, Compliance status, and ways to improve efficiency in all programs involving the sanitary sewer systems.</p> <p>13. Review the Annual and Semi-Annual reports as submitted by the Volume Sewer Customer Utilities, for Illicit Stormwater Connections, SSES and CMOM work related reports.</p> <p>14. Continue reviews of the GIS WASD As-Built / Atlases submitted by each Volume Sewer Customer Utility in January 6, 2024 to assure compliance with Code requirements. Will schedule meetings as necessary.</p> <p>15. Continue with the inspection program of all public and private sanitary sewer pump stations.</p> <p>15.1 Plan Inspection of properties that obtained Sewer Extension permits and the permit has expired.</p> <p>16. New engineering staff will assist with the reviews of the various reports submitted and to be submitted in 2024 from each Volume Sewer Customer Utilities. The reports include: SSES, Sanitary Sewer Model, and COI Televising.</p> <p>17. Review the COI Televising Repairs reports submitted.</p> <p>17.1 Initiate enforcement actions for those Volume Sewer Customer Utilities that failed to submit the reports.</p>

Table A-2.1 New CMOM Programs

Paragraph	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
19(a)	Fats, Oils and Grease Control Program	The Fats, Oils and Grease (FOG) Control Program is being implemented in accordance with Paragraph 19(a) of the CD. DERM is responsible for implementing and managing the FOG Control Program which regulates industrial and commercial sources of FOG. The Program involved the review, evaluation and revision of the County's previous FOG Control Program. An updated FOG Control Program and accompanying FOG Ordinance were approved by EPA and FDEP on September 7, 2017 and enacted by the Board of County Commissioners on February 21, 2018. The FOG Ordinance became effective March 5, 2018.	1. Provided updated in-house training to FOG Control Technicians and Inspectors.	1. Continue to update and provide updated in-house training to FOG Control Technicians and Pollution Control Inspectors.
			2. Distributed Outreach flyers during inspections by FOG Technicians and inspectors, at the front Desk DERM Plan Review and at the front desk of the Water & Wastewater Division office. Reevaluated our outreach for Food Service Establishments (FSE) in order to adapt to new challenges.	2. Continue to distribute Outreach flyers. Flyers will be distributed by DERM Plan Review, FOG Technicians/Inspectors, and Liquid Waste Transporters. Continue to reevaluate and implement our outreach for Food Service Establishments (FSE) in order to adapt to new challenges.
			3. Continued FOG Outreach, including workshops. Inspectors and technicians attended FDEP Sampling Training and West Coast Inspector workshops in person. FOG and Utility Round Table meetings were also held virtually via Microsoft Teams.	3. Continue FOG Outreach, including the West Coast Inspectors Workshop (in-person). Virtual FOG and Utility Round Table meetings will continue.
			4. Continued to receive monthly hauled waste disposal data from WASD and Pompano/Broward using the eManifest system.	4. Continue to receive monthly hauled waste disposal data from WASD and Pompano/Broward. Continue to assign FOG Inspectors to run eManifest Reports and schedule inspections based on findings, depending on staffing.
			5. Updated FSE FOG Operating Permit (GDO) conditions, and included training requirements.	5. Review FSE FOG Operating Permit (GDOs) conditions and update accordingly. Prior to issuance of permits there will be virtual outreach events to inform regulated community about changes to permit conditions and also to provide them with general information about their permits.
			6. Continued enforcement and compliance assistance with Non-Grease Interceptors (NGIs) FSE. 100% of these facilities are under enforcement. Met with Enforcement Section staff and requested to prioritize these efforts.	6. Continue enforcement (and compliance assistance) with Non-Grease Interceptors (NGIs) and Food Service Establishments (FSE). The goal to achieve 100% compliance continues. Facilities will continue under enforcement until 100% compliance is achieved.
			7. Updates to the Liquid Waste Transporter (LWT) permit conditions were not completed this year. LWT permitting activities are being performed by the DERM team.	7. Review LWT Permit conditions and update accordingly, if needed. This is going to be an annual exercise. An outreach event to inform regulated community about changes and to have them familiarized with permit conditions will be scheduled every year before permit issuance. LWT permitting activities will be performed by the DERM team.
			8. DERM continues oversight of monthly reports submitted by haulers to identify commingling of septage and FOG waste.	8. DERM continues oversight of septage and FOG commingling and exercises enforcement actions accordingly.
			9. Continued to receive eManifest from LWTs. LWTs not submitting eManifest were advised that their operating permit would not be renewed.	9. Continue compliance assistance and enforcement for LWTs not using eManifest and/or operating without a valid operating permit.

Table A-2.1 New CMOM Programs

Paragraph	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
19(a)	Fats, Oils and Grease Control Program (Continued)	The Fats, Oils and Grease (FOG) Control Program is being implemented in accordance with Paragraph 19(a) of the CD. DERM is responsible for implementing and managing the FOG Control Program which regulates industrial and commercial sources of FOG. The Program involved the review, evaluation and revision of the County's previous FOG Control Program. An updated FOG Control Program and accompanying FOG Ordinance were approved by EPA and FDEP on September 7, 2017 and enacted by The Board of County Commissioners on February 21, 2018. The FOG Ordinance became effective March 5, 2018.	10. Continued to perform and track FOG Construction Inspections, and to document inspection results to improve FOG Plan Review procedures.	10. Continue to perform and track FOG Construction Inspections. Document inspection results to improve FOG Plan Review procedures.
			11. Continued to track FOG Hot Spots and identify sources(s) and root cause(s). Continued to collect monthly accelerated FOG maintenance reports from utilities.	11. Continue to track FOG Hot Spots and identify sources(s) and root cause(s). Take enforcement as required to remedy FOG Hot Spots. Complaints will be reviewed and prioritized for inspections accordingly.
			12. Continued to work with equipment manufacturers to get FOG Control Devices approved for FOG2.0.	12. Continue to work with equipment manufacturers to get FOG Control Devices approved for FOG 2.0.
			13. FOG related tasks associated with LW-ST2.0 Liquid Waste Transportation & Disposal Guidance Manual were not completed due to lack of staff.	13. Continue to random/flagged/other waste sampling reports and cross-referencing eManifest records to identify potential sources of non-complying waste, according with the LW-ST2.0 Liquid Waste Transportation & Disposal Guidance Manual. Also, review monthly FOG facility effluent sampling data for parameter trends. Also includes updating training requirements for disposal facilities. Implementation subject to staff availability.
			14. Continued to track/record Key Performance Indicators and Performance Measures to evaluate and improve the FOG Control Program, to be used for the 7th FOG Control Program Annual Review Report.	14. Continue to track/record Key Performance Indicators and Performance Measures to evaluate and improve the FOG Control Program, to be used for the 8th FOG Control Program Annual Review Report.
			15. Preparation for the development of training programs for the 2024 permitting cycle for LWTs and Disposal Facilities.	15. Continue preparation to develop or approve training programs for the 2025 permitting cycle for LWTs and Disposal Facilities.
			16. Continued the Public Outreach program in collaboration with WASD. Content for outreach material was designed by staff and sent to RER communications Department developed and distributed door hangers and mail out materials.	16. Continue preparing and implementing Public Outreach program.
			17. Contacted local business improvement districts (BIDs) to improve the outreach for businesses. Invited to quarterly virtual outreach events.	17. Coordinate meetings with local business improvement districts (BIDs) to improve the outreach for businesses.
		18. Continued working in collaboration with municipalities to reduce FOG impact in the Collection system, including sharing information and resources. Specifically City of Miami Beach, Town of Medley, North Miami, Coral Gables, and Opa-Locka.	18. Continue working in collaboration with municipalities to reduce FOG impact in the Collection system, including sharing information and resources. Specifically City of Miami Beach, Town of Medley, North Miami, Coral Gables, and Opa-Locka.	

Table A-2.1 New CMOM Programs

Paragraph	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
19(a)	Fats, Oils and Grease Control Program (Continued)	The Fats, Oils and Grease (FOG) Control Program is being implemented in accordance with Paragraph 19(a) of the CD. DERM is responsible for implementing and managing the FOG Control Program which regulates industrial and commercial sources of FOG. The Program involved the review, evaluation and revision of the County's previous FOG Control Program. An updated FOG Control Program and accompanying FOG Ordinance were approved by EPA and FDEP on September 7, 2017 and enacted by The Board of County Commissioners on February 21, 2018. The FOG Ordinance became effective March 5, 2018.	19. Continued quarterly coordination meetings with the disposal facility (WASD) for the Liquid Waste Transporters program.	19. Continue quarterly coordination meetings with the disposal facility (WASD) for the Liquid Waste Transporters program.
			20. Continued enforcement (and compliance assistance) with FSEs to procure compliance with the current regulations. This includes unpermitted facilities, as well as existing facilities with FOG discharges over the minimum allowed, or not complying with operating permit conditions.	20. Continue enforcement (and compliance assistance) with FSEs to procure compliance with the current regulations. This includes unpermitted facilities, as well as existing facilities with FOG discharges over the minimum allowed, or not complying with operating permit conditions.
			21. Started to perform annual routine inspections to the current 8,136 GDO permitted facilities. The program is in the process of filling vacant positions and pending approval of additional staff.	21. Continue to perform annual routine inspections to the current GDO permitted facilities. The program is in the process of filling vacant positions and pending approval of additional staff.
			22. DERM has started the implementation of the use of realtime level monitoring systems (e.g., SmartLevelTM/SmartCover). Hot Spots inspections are being performed by the SSO Response & Prevention Program in close coordination with the FOG Program Supervisors.	22. DERM will continue the implementation of realtime level monitoring systems (e.g., SmartLevelTM/SmartCover). Hot Spots inspections will continue to be performed by the SSO Response & Prevention Program in close coordination with the FOG Program Supervisors.
			23. Planned to implement inspections to residential areas identified by the Utilities as potential sources of FOG blockages.	23. Implement inspections to residential areas identified by the Utilities as potential sources of FOG blockages. Scheduled to start by 2024 by the SSO Response and Prevention Team.
			24. Planned to begin confirmation inspections to facilities reported as closed. Estimated that 50% of the total 3,701 facilities were expected to be inspected by 2022-2023, pending approval of additional staff. This was not started due to frequent staff turn over.	24. Begin confirmation inspections to facilities reported as closed. FOG Control Inspection Team currently working on routine inspections and complaint response.
			25. Continued reviewing OL/CU/LBTR applications for FSEs to assure compliance with FOG Control Program regulations.	25. Continue reviewing OL/CU/LBTR applications for FSEs to assure compliance with FOG Control Program regulations.
			26. Continued reviewing construction plans for FSEs, to assure compliance with current regulations codified under 24-42.6(8) and (9).	26. Continue reviewing construction plans for FSEs, to assure compliance with current regulations codified under 24-42.6(8) and (9).
			27. FOG Accelerated Maintenance Application was completed and implemented. Pending further testing by Municipalities.	27. Complete update and re-implementation of FOG Accelerated Maintenance Application. Pending ITD completion.
28. Performed inspections in response to SSOs due to grease.	28. Continue inspections in response to SSOs due to grease.			

Table A-2.1 New CMOM Programs

Paragraph	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
19(b)	Sewer Overflow Response Plan	The SORP is a program for identifying and reporting SSOs. The SORP is being implemented in accordance with Paragraph 19(b). This Plan will establish timely and effective methods and means of responding to, cleaning up, and/or minimizing the impact of SSOs; timely reporting of the location, volume, cause, impact, and other pertinent SSO information to the appropriate regulatory agencies; and timely and effective notification of SSOs to potentially impacted public. In addition, the plan involves a re-evaluation of the County's previous program.	Work on the program was ongoing: 1. Continued all required SSO reporting 2. Continued holding monthly SSO evaluation meetings 3. Continued use of the Consolidated SSO Database 4. Continued development of the Building Backup Application. 5. Began monthly meeting with FDEP to review spills, abnormal events and SSOs.	Work on the program will include the activities listed in the CMOM Implementation Schedule and will continue.
19(c)	Information Management System Program	The IMS Program is being developed in accordance with Paragraph 19(c). This Program will aid County managers and field supervisors to adequately track scheduled operational and maintenance activities; evaluate operations, maintenance, customer service and Sewer System rehabilitation activities and improve overall Sewer System performance.	Work on the program was ongoing: 1. Continued working on transitioning PCTS software from Proliance to e-Builder, to enhance Construction Contracts Management project close-out business practices. 2. Development of CMOM performance measures and KPI tracking. Draft SORP KPIs have been developed, with the development of the GSSOMP KPIs in process. 3. Continued enhancements of EAMS to improve maintenance processes and activities, including implementation of PFAC codes, maintenance checklists, incorporating monitored data for automating schedules, and deployment of mobile devices.	1. Complete full transition PCTS software from Proliance to e-Builder. 2. Continue the development of CMOM performance measures and KPI tracking. 3. Continue enhancement of EAMS to add condition assessment inventories for structures. 4. Continue MOR and DMR reporting implementation
19(c)(x)	Geographic Information Systems Program	The GIS Program is being developed in accordance with Paragraph 19(c)(x). This Program will improve the existing map of the County's entire WCTS. The scope of work for this Program involves completing the estimated 1800 GIS backlog projects and estimated 2000 reported GIS data inconsistencies prior to June 7, 2017.	Work on the program was ongoing: 1. Manhole rim and pipe inverts and their inclusion into GIS - Completed. Updates continue as part of the GIS data maintenance process. 2. Streamlining the manual as-built to GIS process to satisfy 90 day requirement – Completed. Improvements continue as opportunities arise. 3. GIS to Hydraulic Model Integration to satisfy 90 day requirement from GIS to Model – Completed. Updates continue. 4. Field solution for reviewing GIS infrastructure information, as-built files and associated documents.	1. Migration to GraniteNet v5.7 completed for all components. 2. Developing and testing new manhole inspection mobile solution. 3. The GIS integration of all projects conveyed and activated are being tracked. The metrics will be reported in the 2024 Semi-Annual Report. 4. Completed updates to current automated process. The GIS Hydraulic Model integration of all projects conveyed and activated are being tracked. Model data continues to be updated automatically monthly. Additional requirements may be needed for on-going modernization support. 5. Developing and testing updating process for mobile devices. Field staff training on-going.

Table A-2.1 New CMOM Programs

Paragraph	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
19(d)	Sewer System Asset Management Program	The Sewer System Asset Management Program is being developed in accordance with Paragraph 19(d). This Program will maintain a desired level of service for the County's Sewer System considering life cycle cost to ensure compliance with regulatory requirements and the CD.	<p>Work on the program was ongoing:</p> <ol style="list-style-type: none"> 1. Complete the pump station asset inventory and condition assessment 2. Work with WASD staff and outside consultants to capture of asset inventory at the Wastewater Treatment Plants 3. Work with EAMS Division to facilitate input of asset inventory and conditions assessments within the department's asset management systems 	Continue gathering asset inventory and conditions assessments and input information within the department's asset management systems. Work on the program will include the activities listed in the CMOM Implementation Schedule and will continue. Begin condition assessment of wastewater treatment facility structures.
19(e)	Gravity Sewer System Operations and Maintenance Program	The Gravity Sewer System Operations and Maintenance Program is being developed in accordance with Paragraph 19(e) of the CD. This Program will address SSOs, particularly those caused by FOG, roots and/or debris obstructions. The program will facilitate proper operation and maintenance activities associated with gravity mains in the WCTS.	<p>Work on the program was ongoing:</p> <ol style="list-style-type: none"> 1. Continued to deploy Smart Covers to "hot spots" to closely monitor and prevent SSOs 2. CCTV contract to inspect gravity sewer mains for Pump Station 0002 is ongoing 3. WPO identified defects are in the process of repair. 4. Wastewater AMI for Volume Sewer Customers has been integrated into SCADA 	Work on the program will include the activities listed in the CMOM Implementation Schedule and will continue.
19(f)	Pump Station Operations and Preventative Maintenance Program	The Pump Station Operations and Preventive Maintenance Program is being developed in accordance with Paragraph 19(f) of the CD. This Program will facilitate proper operation and maintenance activities associated with the Pump Stations within the WCTS.	<p>Work on the Program was ongoing:</p> <ol style="list-style-type: none"> 1. Finishing and approving the scope of work for the asset inventory and condition assessment for the Pump Stations Division (Work with WASD staff and outside consultants). 2. Completion of SOPs and work instructions for the following units within Pump Station Division: <ul style="list-style-type: none"> • Diesel Maintenance Unit: (5) SOPs and (4) work instructions • Wet-Well Rehabilitation Unit: (3) SOPs Work performed and completed by Quality Assurance & Quality Control Division in conjunction with Pump Stations Division 	<p>Projects and activities anticipated to be performed:</p> <ol style="list-style-type: none"> 1. Begin the project for asset inventory and condition assessment (58 pump stations). Finalizing data for final review. 2. Continue the development of SOPs and work instructions for the following units within Pump Station Division: <ul style="list-style-type: none"> • Structural Trade • Submersible Repair Unit

Table A-2.1 New CMOM Programs

Paragraph	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
19(g)	Force Main Operations, Preventative Maintenance and Assessment/Rehabilitation Program	The Force Main Operations, Preventative Maintenance and Assessment/Rehabilitation Program is being developed in accordance with Paragraph 19(g) of the CD. This program will facilitate proper operations and maintenance activities associated with Force Mains within the WCTS. It will also help produce a criticality assessment of the structural integrity of its Force Mains and the risk of Force Main critical failure. The Force Main Rehabilitation/Replacement Program includes standard procedures for repairing, rehabilitating and replacing force mains.	Work on the Program was ongoing: 1. The Force Main Assessment Program is pending approval of the Criticality Assessment and Prioritization Report (submitted to the EPA/FDEP on July 17, 2018). 2. ARV program is ongoing.	Work on the Program will include the activities listed in the CMOM Implementation Schedule and will continue. Finalize the establishment of SOPs for the evaluation of soils, develop specifications for the use of inert materials, and develop standards for corrosion control options.
19(h)	WWTP Operations and Maintenance Program	The WWTP Operations and Maintenance Program is being developed in accordance with Paragraph 19(h) in the CD. This program will facilitate proper operation, maintenance and equipment replacement activities associated with the WWTPs.	Work on the program was ongoing: 1. The random sample collection continued of the hauled waste trucks as a standard practice. The random sample collection practice and procedures used at the SDWWTP are in accordance with EPA's Handbook Guidance Manual for Control of Hauled Wastes EPA 833 B 98 003, Section 24-42.4 of the Miami-Dade Code, and the Hauled Waste Guidance Manual. 2. RER-DERM/WASD Coordination Meetings were held via Microsoft Teams to discuss the Hauled Waste Program and any issues or concerns related to illicit hauled waste or discharges to the plant or collection system. 3. Work continued with WASD staff to capture and update asset information and inventory at the three Wastewater Treatment Plants and Master Pump Stations 4. The ratio of unplanned (49%) to planned (53%) maintenance continues to improve. Work Order aging is also reducing. This improved maintenance and reduced aging is resulting in reduced emergency repairs.	Work on the Program will include the activities listed in the CMOM Implementation Schedule. Over the next two quarters, the plants are working on three (3) rehabilitation jobs as part of CMOM and Consent Decree. Continue gathering asset information to add or correct the inventory and input information within the department's asset management systems. WASD is making measures to incorporate tasks for asset management plan to include appropriate staffing levels.
19(j)	Financial Analysis Program	The Financial Analysis Program is being implemented in accordance with Paragraph 19(j) of the CD. The purpose of this program is to effectively establish and track the sufficiency of funds for operations and maintenance, capital projects financing, and debt service coverage associated with the Sewer System, including, without limitation, the continued Work pursuant to the CD.	Work on the program was ongoing. Financial Analysis Program Report, which includes the expenditures for both operating and capital from FYTD October 2022 through September 2023 can be found in Appendix C.	Work on the program will include the activities listed in the CMOM Implementation Schedule and will continue.

Table A-3.1 South District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
1.1	Headworks	The SDWWTP Headworks project will be performed pursuant to Paragraph 19(i) and Appendix D. This project involves routine repairs on existing bar screen mechanisms in headwork structure prior to aerated grit chambers. Failure of bar screen mechanism could result in the blinding of the bar screen and cause an overflow of raw sewage from the plant headworks structure towards nearby surface waters, especially during peak wet weather.	This project reached substantial completion on November 6, 2019, ahead of CD compliance date of February 23, 2020.	N/A
1.2	Oxygen Production	The SDWWTP Oxygen Production project will be performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to construct a new electrical building which include new electrical equipment, procure and install a new compression unit #4 and retrofit existing air compression unit #3.	On July 14, 2021, the County notified EPA and FDEP of a Potential Delay. On February 25, 2022, the County submitted a Failure to Meet Compliance Date for CD CIP 1.2 – Oxygen Production at SDWWTP due to delays in the field conditions, equipment manufacturing delays and system integration of this project during the construction phase. The project achieved Substantial Completion on September 15, 2023.	N/A
1.3	Oxygenation Trains	The SDWWTP Oxygen Trains project will be performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to retrofit aeration mixers and rehabilitate and apply surface coating to the structure. This project was split into three child projects: (1) for the structural rehab of the trains, (2) for the electrical building expansions and mixer upgrades (OOL) and (3) oxygenation train - SS 5/6 and SS 15/16 (OOL).	1.3(1) Construction Train 4 Oxygenation Tanks Structural Rehab completed July 31, 2020. 1.3(2) Permitting for Electrical Building Expansion and Oxygenation Trains Mixer Upgrades was completed and construction for the Electrical Building and Mixer Upgrades in Construction. 1.3(3) Contractor Notice to Proceed was issued on May 2, 2022. Construction is currently still ongoing.	1.3(1) Structural Rehabilitation of the oxygen trains has been completed. 1.3(2) Construction for the Electrical Building Expansion and mixer upgrade is ongoing. 1.3(3) Oxygenation train - SS 5/6 and SS 15/16 is in construction.
1.4	Chlorine Building	The SDWWTP Chlorine Building project will be performed pursuant to Paragraph 19(i) and Appendix D. This project involves replacement of motor control centers, relocation of electrical panels and roof repairs of the old chlorine building where flushing water pumps are to remain.	This project reached substantial completion on January 27, 2022, ahead of the CD compliance date of August 7, 2023.	N/A

Table A-3.1 South District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
1.5	Effluent Pump Station	The SDWWTP Effluent Pump Station project will be performed pursuant to Paragraph 19(i) and Appendix D. This project involves an upgrade of the existing obsolete pump control systems, upgrade of the pumps drives and motors, and structural rehabilitation of pump station wet well, i.e. Chambers 1 through 4. This project has been split into three (3) separate child projects: (1) structural rehabilitation of the effluent pump wet wells; (2) the building improvements and equipment for the remaining pumps (1-6); (3) the electrical equipment associated with pumps 7, 8 and 9.	<p>1.5(1) This child project reached substantial completion on May 26, 2020.</p> <p>1.5(2) On October 29, 2021, the County notified EPA and FDEP of a Potential Delay and on April 7, 2022 submitted a Request for Time Extension and Project Status Update Notification for CD CIP 1.5 – Effluent Pump Station at SDWWTP due to COVID-19 Pandemic caused delays in equipment repairs, and the unforeseen site conditions during construction and impacted the schedule by 14-days. The Compliance Date is April 7, 2022 and the project achieved substantial completion on April 21, 2022, and a Completion Notification letter was submitted on June 2, 2022</p> <p>1.5(3) Completed on January 23, 2016.</p>	<p>1.5(1) N/A</p> <p>1.5(2) N/A</p> <p>1.5(3) N/A</p>
1.6	Gravity Sludge Thickeners	The SDWWTP Gravity Sludge Thickeners project will be performed pursuant to Paragraph 19(i) and Appendix D. The objective of this project is to provide a combined Thickening and Dewatering facility under one common building. The existing sludge concentrators will be abandoned and a centrifuge thickening system will be utilized. This project is being performed under Design-Build delivery method.	Design Build project Notice to Proceed was issued on July 6, 2020. On December 28, 2022, the County requested a Time Extension and Project Status Update to EPA and FDEP. Construction continued.	Design-Build Construction will continue.
1.7	Digesters and Control Buildings	The SDWWTP Digester and Control Buildings project will be performed pursuant to Paragraph 19(i) and Appendix D. The project involves the rehabilitation or replacement of digester roofs for Clusters 1 and 2; digester tank cleaning, structural rehabilitation and coating, sludge mixers improvement. This will prevent the loss of digestion capacity and the decline in biogas/methane production for power generation. In addition, it will decrease the amount of unstable sludge that will require landfill disposal. This project also includes the construction of a new Substation 7 & 8, a new Acid Phase Building and new Gas Flares.	On October 20, 2023, the County submitted a Force Majeure Notification and Request for a Time Extension for CD 1.7 Digesters and Control Building at SDWWTP. On October 31, 2023 a revised Force Majeure Notification and Request for a Time Extension for CD 1.7 Digesters and Control Building at SDWWTP. This project experienced a delay during the construction start-up and commissioning of Cluster No.1. Construction continued.	Construction will continue.
1.8	Dewatering Facility	The SDWWTP Dewatering Facility project is being performed pursuant to Paragraph 19(i) and Appendix A. The purpose of this project is to replace the existing interim dewatering building with a new permanent dewatering facility. This will improve sludge dewatering and decrease solids accumulation in the secondary treatment process and prevent effluent limit violations. This project is being performed under Design-Build delivery method.	Design-Build project Notice to Proceed was issued on July 6, 2020. On December 28, 2022, the County requested a Time Extension and Project Status Update to EPA and FDEP. Construction continued.	Design-Build Construction will continue.

Table A-3.1 South District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
1.9	FOG Removal Facility	The SDWWTP FOG Removal Facility project is being performed pursuant to Paragraph 19(i) and Appendix D. The current FOG separation tank is not capable of adequately handling solids load, resulting in excess odors and unanticipated manual labor to remove large amounts of grit, settled soils and hardened grease. The purpose of this project is to improve separation operations to the existing FOG removal facility. This will result in the conveyance of oils and floating grease to a beneficial use option process and the removal of excess grit and settled solids. A new FOG facility is currently under design.	This project reached substantial completion on March 26, 2019, ahead of the CD Compliance Date of May 24, 2019.	N/A
1.10	Odor Control	The SDWWTP Odor Control project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to upgrade the odor control facilities serving Headworks Plant 1 and Plant 2.	This project reached substantial completion on April 19, 2023, ahead of the Compliance Date of April 25, 2023.	N/A
1.11	General Electrical	The SDWWTP General Electrical project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation and replacement of electrical equipment, controls and wiring as needed throughout the plant. This project schedule has been broken down into multiple child/sub projects to better reflect the way the work is being executed: 1.1) SDWWTP Substation 9-12; 1.2) Generator Repairs; 2) Replacement of primary feeders from Main Switchgear A & B to Effluent Pump Station Pumps 1-6 (Part of 1.05(2))	1.11(1.1) Construction continued. 1.11(1.2) Construction continued. 1.11(2) This project reached substantial completion on April 21, 2022.	1.11(1.1) Construction will continue. 1.11(1.2) Construction will continue. 1.11(2) N/A.
1.12	Chlorine Contact Chamber Structural Rehabilitation	The SDWWTP Chlorine Contact Chamber Structural project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the structural rehabilitation and coating of chlorine contact chambers 1 through 4. This project was split into two child projects: 1.12(1) Chlorine Contact Chamber Actuator Replacement; and 1.12(2) Chlorine Contact Chamber Structural Rehab & Sluice Gates Replacement.	1.12(1) Actuator Replacement reached substantial completion on June 5, 2018. 1.12(2) Structural Rehab. of Contact Chambers #3 and #4 completed on July 9, 2020. Procurement for Structural Rehab. of Contact Chamber #2 completed, NTP issued on November 30, 2020. Project reached substantial completion on April 5, 2021.	N/A

Table A-3.2 Central District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
2.1	Electrical Improvements	<p>The CDWWTP Electrical Improvements project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation and replacement of electrical controls and wiring as needed throughout the plant. This project schedule has been broken down into multiple components to reflect more accurately reflect the way the work is being executed:</p> <ol style="list-style-type: none"> 1) CDWWTP General Electric In-house Construction - Substations 1 and 2. 2) Substations 3, 4A, 4B, 5 & 6 – This work is part of Project 2.27(2). 3) Substations 9 & 10 - This work is part of Project 2.10(1). 4) Substations 11 & 12 – This work is part of project 2.11. 5) Substations 15 & 16 – This work is part of Project 2.15(1). 6) Substations 17 & 18 – This work is part of Project 2.19(2a). 7) Substations 7A, 8A, 9A & 10A 	<p>This project reached substantial completion on November 17, 2021.</p> <p>Note: The majority of this work was performed in conjunction with other CD projects.</p> <p>2.1(1) Construction was completed on May 5, 2016.</p> <p>2.1(2) Construction completed.</p> <p>2.1(3) Construction completed.</p> <p>2.1(4) Construction completed.</p> <p>2.1(5) Construction completed.</p> <p>2.1(6) Construction was completed on October 4, 2019.</p> <p>2.1(7) Construction completed.</p> <p>On October 6, 2023, the County submitted a Notification of Completion for CD 2.1 Electrical Improvements at CDWWTP.</p>	<p>2.1(1) N/A 2.1(2) N/A 2.1(3) N/A 2.1(4) N/A 2.1(5) N/A 2.1(6) N/A 2.1(7) N/A</p>
2.2	Building Improvements	<p>The CDWWTP Building Improvements project is being performed pursuant to Paragraph 19(i) and Appendix D. The project involves the repair of maintenance, operations control and administration buildings at the plant. It includes the repair of the roofs and the staff facility. This project has been split into child projects. 1a) Building Improvements - Administration Building Asbestos Abatement. 1b) Administration Building Interior Improvements 1c) Miscellaneous Roof Improvements 2) Remodel Bathrooms, Locker Rooms & Showers.</p>	<p>This project reached substantial completion on January 17, 2020.</p> <p>2.2(1a) Completed on June 1, 2015.</p> <p>2.2(1b) Construction was completed on January 17, 2018.</p> <p>2.2(1c) Construction was completed on October 19, 2016.</p> <p>2.2(2) Construction was completed on January 17, 2020.</p>	<p>N/A</p>
2.3	Headworks Plant 1	<p>The CDWWTP Headworks/Grit Basin Plant 1 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing screening facilities at the CDWWTP influent pump station are inefficient. This results in the accumulation of rags and plastics in plant processes which sometimes leads to pump, mixer and clarifier collection mechanism failure.</p>	<p>This project reached substantial completion on March 7, 2019, ahead of the CD Compliance Date of March 16, 2019.</p>	<p>N/A</p>
2.4	Headworks Plant 2	<p>The CDWWTP Headworks/Grit Basin project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing screening facilities at the CDWWTP influent pump station are inefficient. This results in the accumulation of rags and plastics in plant processes which sometimes leads to pump, mixer and clarifier collection mechanism failure.</p>	<p>This project reached substantial completion on August 13, 2019, ahead of CD Compliance Date of August 23, 2019.</p>	<p>N/A</p>

Table A-3.2 Central District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
2.5	Oxygenation Trains Plant 1	<p>The CDWWTP Oxygenation Trains Plant 1 project is being performed pursuant to Paragraph 19(i) and Appendix D. The project involves the retrofitting of the aeration mixers, structural rehabilitation and surface coating application.</p> <p>Mixer retrofits were completed in early 2014. Structural rehabilitation work for Train #2 and Train #3 were performed by WASD in-house forces during the dry seasons.</p>	This project reached substantial completion on June 22, 2018, ahead of the CD Compliance Date of April 12, 2019.	N/A
2.6	Oxygenation Trains Plant 2	The CDWWTP Oxygenation Trains Plant 2 project is being performed pursuant to Paragraph 19(i) and Appendix D. The project involves the retrofitting of the aeration mixers, structural rehabilitation and surface coating application.	Construction completed.	N/A
2.7	Secondary Clarifiers Plant 1	The CDWWTP Secondary Clarifiers Plant 1 project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to rehabilitate the structure and replace the sludge collection mechanisms in the plant. This project has been split in 3 child projects: 1) Secondary Clarifiers Plant 1 RAS pump discharge piping. 2) Secondary Clarifiers Plant 1 Train Mechanisms. 3) Secondary Clarifiers Plant 1 Structural Rehab.	A Delay Notification and Request for Time Extension for CD 2.7, CD 2.8 and CD 2.9 Letter was submitted to EPA and FDEP on November 15, 2023. These projects are experiencing delays in procurement and construction phases. These delays have impacted the CD compliance dates and the County is requesting a time extension on the projects to a new proposed Compliance Date of December 31, 2027.	Procurement and Construction will continue.
2.8	Secondary Clarifiers Plant 2	<p>The CDWWTP Secondary Clarifiers Plant 2 project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to rehabilitate the structure, replace the sludge collection mechanisms in the plant and provide electrical equipment for new annex building.</p> <p>This project has been split into three child projects: 1) RAS pump discharge piping, 2) Train Mechanisms, and 3) Structural Rehab.</p>	A Delay Notification and Request for Time Extension for CD 2.7, CD 2.8 and CD 2.9 Letter was submitted to EPA and FDEP on November 15, 2023. These projects are experiencing delays in procurement and construction phases. These delays have impacted the CD compliance dates and the County is requesting a time extension on the projects to a new proposed Compliance Date of December 31, 2027.	Procurement and Construction will continue.
2.9	RS Pump Stations Plant 1	The CDWWTP RS Pump Stations Plant 1 project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the replacement of return sludge pump, piping, motor control centers and structural repairs to the pump stations. Work on this project will be performed in conjunction with Project 2.7.	A Delay Notification and Request for Time Extension for CD 2.7, CD 2.8 and CD 2.9 Letter was submitted to EPA and FDEP on November 15, 2023. These projects are experiencing delays in procurement and construction phases. These delays have impacted the CD compliance dates and the County is requesting a time extension on the projects to a new proposed Compliance Date of December 31, 2027.	Procurement and Construction will continue.

Table A-3.2 Central District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
2.10	RS Pump Stations Plant 2	The CDWWTP RS Pump Stations Plant 2 project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the replacement of return sludge pump, piping, motor control centers and structural repairs to the pump stations. This project has been split into Two (2) separate child projects: 1) Return Sludge PS Plant 2 - RAS Pump, 2) Return Sludge PS Plant. 2 - RAS Line.	2.10(1) This project reached substantial completion on March 15, 2023, ahead of the Compliance Date of December 1, 2024. 2.10(2) Construction of RAS Header Pipe was completed on July 7, 2017.	2.10(1) N/A 2.10(2) N/A
2.11	Effluent Pump Station	The CDWWTP Effluent Pump Station project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to replace the pump motors and related electrical equipment in the effluent pump station.	Consent Decree construction completion was achieved on June 17, 2021.	N/A
2.12	Sludge Thickeners Plant 1	The CDWWTP Sludge Thickeners Plant 1 project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the replacement of the thickened sludge pumps, sanitary sewer pumps, HVAC and electrical systems in the concentrator pump station. The objective of this project is to provide a combined Thickening and Dewatering facility under one common building. The existing sludge concentrators will be abandoned and a centrifuge thickening system will be utilized. This project will be performed in conjunction with projects 2.13 and 2.16 under a design-build delivery method.	Design Build project Notice to Proceed was issued on July 6, 2020. On December 28, 2022, the County requested a Time Extension and Project Status Update to EPA and FDEP. Construction continued.	Design-Build Construction will continue.
2.13	Sludge Thickeners Plant 2	The CDWWTP Sludge Thickeners Plant 2 project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the replacement of the thickened sludge pumps, sanitary sewer pumps, HVAC and electrical systems in the concentrator pump station. The existing sludge concentrators will be abandoned and a centrifuge thickening system will be utilized. This project will be performed in conjunction with projects 2.12 and 2.16 under a design-build delivery method.	Design Build project Notice to Proceed was issued on July 6, 2020. On December 28, 2022, the County requested a Time Extension and Project Status Update to EPA and FDEP. Construction continued.	Design-Build Construction will continue.
2.14	Digesters Plant 1	The CDWWTP Digesters Plant 1 project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the complete rehabilitation of sludge digester clusters, i.e. roofs, concrete structures, recirculation and transfer pumps, mixers, and electrical pumps. This will prevent the loss of digestion capacity and the decline in biogas/methane production for power generation. In addition, it will decrease the amount of unstable sludge that will require landfill disposal. This project has been split into 2 different child projects; 2.14(1) refers to digesters in Cluster 1 and 2.14(2) refers to digesters in Cluster 2.	On May 21, 2018, the County requested a Material Change to CD to cancel this project. Request under EPA/FDEP consideration.	Pending consideration of EPA/FDEP once Plant 2 Cluster 1 is completed.

Table A-3.2 Central District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
2.15	Digesters Plant 2	The CDWWTP Digesters Plant 2 project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the complete rehabilitation of sludge digester clusters, i.e. roofs, concrete structures, recirculation and transfer pumps, mixers, and electrical pumps. This will prevent the loss of digestion capacity and the decline in biogas/methane production for power generation. In addition, it will decrease the amount of unstable sludge that will require landfill disposal. This project has been split into four (4) different child projects; 2.15(1) refers to digesters in cluster 1; 2.15(2) refers to digesters in Cluster 2; 2.15(3) refers to digesters in Cluster 3; and 2.15(4) refers to digesters in Cluster 4.	2.15(1) Construction continued 2.15(2) Construction continued. 2.15(3) Procurement commenced. 2.15(4) Child project deleted as approved by EPA. A Request for Time Extension and Project Status Update for CD 2.15 Digesters Plant 2 was submitted on June 16, 2023	2.15(1) Construction will be completed 2.15(2) Construction will be completed. 2.15(3) Procurement will be completed and construction will commence.
2.16	Dewatering Building	The CDWWTP Dewatering Building project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to construct a new combined thickening and dewatering facility and sludge cake conveyance system to the sludge storage buildings. This project is being performed under design-build delivery method.	Design Build project Notice to Proceed was issued on July 6, 2020. On December 28, 2022, the County requested a Time Extension and Project Status Update to EPA and FDEP. Construction continued.	Design-Build Construction will continue.
2.17	Chlorination Facilities	The CDWWTP Chlorination Facilities project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the design and construction of a new bulk sodium hypochlorite storage and dosing system in separate outdoor structures to replace the existing chlorine gas system.	This project reached substantial completion on July 27, 2018 ahead of the CD compliance date of October 15, 2018.	N/A
2.18	Odor Control Systems	The CDWWTP Cogeneration Facility Improvements project is being performed pursuant to Paragraph 19(i) and Appendix D. This involves the replacement of the motor control center of the odor control buildings including air-conditioned electrical rooms. It also involves replacement of odor control chemical pumps, piping, valves and gas stripping tower media. This project will be completed in conjunction with other related projects. A portion of this project 2.18(1) Headworks Odor Controls System, will be performed earlier in coordination with the Headworks projects (2.3/2.4). The remainder will be performed in coordination with the Design-Build Dewatering project (2.16).	2.18(1) This child project reached substantial completion on September 11, 2019. 2.18(2) Design Build project Notice to Proceed was issued on July 6, 2020. On December 28, 2022, the County requested a Time Extension and Project Status Update to EPA and FDEP. Construction continued.	2.18(1) N/A 2.18(2) Design-Build Construction will continue.
2.19	Co-Gen Facility	The CDWWTP Cogeneration Facility Improvements project is being performed pursuant to Paragraph 19(i) and Appendix D. The project involves the installation of two new cogeneration engines, cogeneration building improvements, replacement of biogas pipeline and installation of biogas conditioning system. Thus, this project has been split into separate "child" projects: 1) Co-Gen Generator Replacement, 2a) Co-Gen Biogas Treatment Facilities, and 2b) Co-Gen Restroom and Building Rehab.	2.19(1) Project completed on January 27, 2016. 2.19(2a) Project paused at testing/commissioning stage due to lack of biogas availability from Digester Clusters. EPA and FDEP notified of the delay on January 10, 2020 and May 21, 2020. 2.19(2b) Project completed on May 18, 2020.	2.19(1) N/A 2.19(2a) Testing and Commissioning to resume pending biogas availability. 2.19(2b) N/A

Table A-3.2 Central District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
2.20	Septage Uploading	The CDWWTP Septage Unloading project is required under Paragraph 19(i) and Appendix D. The CD scope of this project included the construction of a new septage handling station to remove FOG from the main wastewater treatment stream and treat either through digestion or an off-site third part facility. However, the violation associated with this project was resolved by requiring all hauled waste to be sent to the South District WWTP as of January 2013.	Motion to delete Project 2.20 Septage Uploading at CD WWTP has been approved by the Court on December 28, 2016.	N/A
2.21	Pump Station 1	The CDWWTP Pump Station No. 1 project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to rehabilitate the pump station for the odor control system and rehabilitate the bar screen mechanisms.	Construction was completed on December 19, 2019, ahead of the CD compliance date of February 26, 2021.	N/A
2.22	Pump Station 2	The CDWWTP Pump Station No. 2 project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation of the pump station odor control system, rehabilitation of bar screen mechanism, and replacement pump stations flow metering to improve maintenance accessibility.	The flowmeter installation on this project installed on August 12, 2023 and the project met substantial completion.	N/A
2.23	O ₂ Plant Process Controls Phase 2	The CDWWTP O ₂ Plant Process Controls project is being performed pursuant to Paragraph 19(i) and Appendix D. Existing oxygen production systems are either failing or obsolete. The purpose of this project is to replace existing oxygen production systems.	Construction was completed on April 25, 2016, ahead of the CD compliance date March 9, 2017.	N/A
2.24	Gas Monitoring	The CDWWTP Gas Monitoring project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to monitor gas levels and place alarms in hazardous areas.	Construction was completed on September 29, 2017.	N/A
2.25	Ventilation Improvements	The CDWWTP Ventilation Improvements project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to improve ventilation in hazardous areas. This project schedule has been broken down into multiple components to more accurately reflect the way the work is being executed: 1) HVAC Improvements for air scrubber (Project 2.12, 2.13 and 2.16) 2) Headworks HVAC Improvements (Project 2.3/2.4) 3) Digester Control Building HVAC Improvements (Project 2.15(1)) 4) Pump Station 1 HVAC Improvements (Project 2.21) 5) Pumps Station 2 HVAC Improvements (Project 2.22)	2.25(1) HVAC Improvements for Air Scrubber Building - (Deleted) due to the Air Scrubber Building will not be used after the Construction of the new Thickening and Dewatering Building under CD 2.12/2.13/2.16 and 2.18(2). 2.25(2) Construction completed. 2.25(3) Construction completed. 2.25(4) Construction completed. 2.25(5) Construction completed.	2.25(1) N/A 2.25(2) N/A 2.25(3) N/A 2.25(4) N/A 2.25(5) N/A
2.26	Rehabilitation of Walkways and Stairways	The CDWWTP Rehabilitation of Walkways and Stairways project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the replacement of corroded walkways, stairways, railings, grating throughout the plant. Work is being performed by WASD in-house resources.	Construction continued.	Construction will continue.

Table A-3.2 Central District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
2.27	Oxygen Production	The CDWWTP Oxygen Production project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing units are near the end of useful life and prone to failure. The purpose of this project is to construct a new 80 ton/day oxygen production cryogenic tower and air compression unit to provide full redundancy. This project was split into two (2) "child" projects: 1) Oxygen Production Site Preparation, and 2) Oxygen Production Design-Build.	2.27(1) Oxygen Production Site Preparation was completed on June 29, 2017. 2.27(2) Design-Build completed.	2.27(1) N/A 2.27(2) N/A
2.28	SCADA RTU Upgrades	The CDWWTP Building Improvements project was performed pursuant to Paragraph 19(i) and Appendix D. The old radio communication system was obsolete and it was difficult to procure parts. The purpose of the project was to upgrade the SCADA remote telemetry units to maintain operational sustainability.	This project was completed as of February 10, 2014, ahead of the CD compliance date March 29, 2014.	N/A
2.29	High Strength Influent Impact Study	The CDWWTP High Strength Influent Impact Study was performed pursuant to Paragraph 19(i) and Appendix D. The CDWWTP was experiencing an increase in TSS and BOD loading. This study investigated the sources and conceptualized solutions to eliminate or mitigate the change in plant influent characteristics.	Completed. Work started February 2013 and was completed June 5, 2014, ahead of the CD compliance date June 24, 2014.	N/A

Table A-3.3 North District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
3.1	Headworks and Sludge Degritting Transfer	The NDWWTP Headworks and Sludge Degritting and Transfer project is being performed pursuant to Paragraph 19(i) and Appendix D. This project is a two-phase approach to improve the existing screening facilities at the NDWWTP. In Phase 1, bar screens are replaced with perforated plate screens and Phase 2 involves the upgrade of the pretreatment buildings for fire code compliance and replacement of primary sludge grit separation equipment.	Construction was completed on December 6, 2017, ahead of the CD compliance date of April 7, 2018.	N/A
3.2	Primary Clarifiers and Odor Control	The NDWWTP Primary Clarifiers and Odor Control project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation of the structures of the primary clarifiers, replacement of the mechanisms, installation of new flat type covers at each clarifier. It also involves the rehabilitation of the mechanical and odor control systems at the plant. This project was split into 2 child projects: 1) Replace Primary Clarifiers for Mechanisms #4 & 6, and 2) Primary Clarifiers and Odor Control (Remaining Scope of Work).	3.2(1) Construction was completed on February 20, 2019. 3.2(2) Construction completed on September 14, 2022, ahead of the Compliance Date of April 6, 2023.	3.2(1) N/A 3.2(2) N/A
3.3	Oxygenation Trains	The NDWWTP Oxygenation Trains project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to rehabilitate the structures of the aeration tanks and its mechanical and electrical systems.	Project is being procured as Design-Build along with CD 3.4. On November 4, 2022, the County notified EPA and FDEP of a Force Majeure Delay impacting CD Appendix D, CIP CD 3.3 Oxygenation Trains, and CD 3.4 Oxygen Production during the County's competitive procurement process. The two (2) responsive bidders elected to formally withdraw their bids during the final stages of contract negotiations. Procurement will continue.	Procurement will continue.
3.4	Oxygen Production	The NDWWTP Oxygen Production project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation of the structure of the oxygen plant and its mechanical and electrical systems.	Project is being procured as Design-Build along with CD 3.3. On November 4, 2022, the County notified EPA and FDEP of a Force Majeure Delay impacting CD Appendix D, CIP CD 3.3 Oxygenation Trains, and CD 3.4 Oxygen Production during the County's competitive procurement process. The two (2) responsive bidders elected to formally withdraw their bids during the final stages of contract negotiations. Procurement will continue.	Procurement will continue.
3.5	Secondary Clarifiers	The NDWWTP Secondary Clarifiers project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation of the structure of the secondary clarifiers and its mechanical and electrical systems. This project was split into 2 child projects: 3.5(1) Replace Mechanisms # 1-10; and 3.5(2) Secondary Clarifiers Remaining Scope of Work.	3.5(1) This child project was completed on March 30, 2017. 3.5(2) Construction continued.	3.5(1) N/A 3.5(2) Construction will continue.

Table A-3.3 North District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
3.6	Disinfection	The NDWWTP Disinfection project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the replacement of the chlorine gas storage, liquid chlorination and dosing system with bulk sodium hypochlorite storage and dosing system in the existing chlorine building.	Construction was completed on March 5, 2022.	N/A
3.7	Effluent Disposal	The NDWWTP Effluent Disposal project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the installation of standby pumps to ensure effluent disposal capacity and the structural rehabilitation of the ocean outfall pump station wet well. All of the 3.07 work has been combined into a single project. The Deep Injection Well (DIW) mechanical and electrical equipment is being managed by WASD Plant Staff. The CD scope is limited to pumps 5-6, where pumps 1-4 will be funded through the overall WASD CIP.	The Ocean Outfall Pump Station rehabilitation was completed in March 2015. Construction of DIW Pump Station was completed on June 29, 2018.	N/A
3.8	Plant Wide Electrical	The NDWWTP Plant Wide Electrical project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation and replacement of electrical controls and wiring as needed at the NDWWTP. This project schedule has been broken down into multiple child/sub projects to better reflect the way the work is being executed: 1) NDWWTP General Electrical In House Construction Feeders 1 and 2 have been replaced. 2) Electrical Feeders 3-6 Feeders 3-6 will be replaced in conjunction with Project 3.1. 3) Electrical Feeders 7-8 Feeders 7 and 8 will be replaced along with Projects 3.3 & 3.4. 4) Electrical Feeders 9-10 & 13-14 Feeders 11 & 12 were completed due to recent upgrades performed on the deep injection well pump motors.	3.8(1) General Electrical In-house construction (Feeders 1-2) was completed on January 15, 2016. 3.8(2) Electrical Feeders 3-6 (Project 3.1) was completed on December 6, 2017. 3.8(3) Electrical Feeders 7-8 designed continued (scope considered under CD 3.3 and CD 3.4) 3.8(4) Procurement completed, NTP issued on September 21, 2020. Construction completed.	N/A
3.9	Flood Mitigation	The NDWWTP Flood Mitigation project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to mitigate the flood potential in the Generator and Electrical Building at the NDWWTP.	This project was completed on June 24, 2016, ahead of the CD compliance date of August 13, 2017.	N/A
3.10	Yard Piping Replacement	The NDWWTP Yard Piping Replacement project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to replace the wastewater piping that interconnects unit processes throughout the plant.	This project was completed on May 24, 2016, ahead of the CD compliance date of December 4, 2021.	N/A
3.11	SCADA RTU Upgrades	The NDWWTP SCADA RTU Upgrades project is being performed pursuant to Paragraph 19(i) and Appendix D. The current radio communication system is obsolete and it is difficult to procure parts. The purpose of the project is to upgrade the SCADA remote telemetry units to maintain operational sustainability.	This project was completed on November 26, 2014, ahead of the CD compliance date March 24, 2015.	N/A

Table A-4.1 Wastewater Collection and Transmission Lines

Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
4.1	Collection System I/I Repairs	The Collection System I/I Repairs project is being performed in accordance with Paragraph 19(i) and Appendix D of the CD. The project targets defective gravity sewers with excessive inflow/infiltration. It involves rehabilitation of the Collection System, i.e. dig & replace mainlines and laterals, manhole replacement, cured-in-place liners and sectional liners and will be performed concurrently with other work.	Work on this project is ongoing.	Work on this project will continue.
4.2	Government Cut FM Phase 1 & 2	The Government Cut Force Main (FM) Phases 1 & 2 project was performed in accordance with Paragraph 19(i) and Appendix D. The purpose of this two-phase project is to replace critically damaged sections of 54-inch force main to avert catastrophic failures in Government Cut. This project involved the replacement of 54 inch FM with 60 inch FM from the water shaft in Government Cut to mainland Miami Beach.	Project was completed on the CD compliance date of September 30, 2013.	N/A
4.3	Government Cut FM Phase 3	The Government Cut FM Phases 3 project is being performed in accordance with Paragraph 19(i) and Appendix D. The Government Cut FM Phase 3 (Norris Cut Utility Relocation Project) is comprised of the following; the existing 54" force main underneath Norris Cut between Fisher Island and the Central District Wastewater Treatment Plant (CDWWTP), on Virginia Key, will be replaced with a new 60" force main lowered to elevation minus (-) 67.50 feet mean sea level. A new 8" force main will be constructed from Pump Station 0170, on Fisher Island, connecting to the new 60" force main near the tunnel receiving shaft. The 60" pipeline alignment will be constructed via segmental tunnel trenchless technology, and open cut trenching method. The 8" pipeline alignment will be constructed via horizontal directional drilling (HDD) trenchless methodology.	Project was completed on November 23, 2016, ahead of the CD compliance date of April 8, 2017.	N/A
4.4	North Dade 72 inch PCCP FM Rehabilitation	This North Dade Force Main Rehabilitation project is being performed in accordance with Paragraph 19(i) and Appendix D. The project replaces a damaged section of 72-inch force main that has experienced catastrophic failure. The rehabilitation involves 3.5 miles of 72 inch PCCP FM located between NW 17 Avenue and NE 10 Avenue in North Dade.	Construction was completed on May 5, 2016, ahead of the CD compliance date of March 5, 2018.	N/A
4.5	South Dade 54 inch PCCP FM Rehabilitation	This South Dade Force Main Rehabilitation project is being performed in accordance with Paragraph 19(i) and Appendix D. The project involves the rehabilitation of 2.5 miles of 54 inch PCCP FM from SW 112 Avenue and SW 280 Street to SW 107 Avenue and SW 248 Street in South Dade. It replaces sections of the 54-inch force main that has critically damaged pipe segments.	Project was completed on September 14, 2018, ahead of the CD compliance date of December 23, 2018.	N/A
4.6	Replacement of Tamiami Canal Aerial Crossing FMs at NW 37th Avenue	This Tamiami Force Main Replacement project is being performed in accordance with Paragraph 19(i) and Appendix D. This project replaces corroded twin 24 inch FM's crossing the Tamiami Canal at NW 37 Avenue, just south of NW 21 Street in the Tamiami area. The twin 24-inch force mains have experienced failures and are in need of replacement.	Construction was completed on May 27, 2014, ahead of the CD compliance date of October 29, 2016.	N/A

Table A-4.1 Wastewater Collection and Transmission Lines

Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
4.7	Rehabilitation of 18 DIP FM in Miami Lakes	This Miami Lakes Force Main Replacement project is being replaced in accordance with Paragraph 19(i) and Appendix D. The purpose of this project is to replace severely corroded 18 inch pipe that has had multiple failures. It replaces one mile of 18 inch DIP FM located at NW 60 Avenue and NW 138 Street.	Construction was completed on December 7, 2015, ahead of the CD compliance date of April 9, 2017.	N/A
4.8	Rehabilitation of 54 inch PCCP FM in the City of Miami	This City of Miami Force Main Rehabilitation project is being performed pursuant to Paragraph 19(i) and Appendix D. A section of 54 inch force main in the City of Miami is deteriorated and has experienced failures. The project involves the rehabilitation of 2 miles of 54 inch PCCP FM by cured-in-place liner located on NW 2 Street between NW 67 Avenue and NW 37 Avenue in the City of Miami.	Construction of CD CIP 4.8 was completed on June 16, 2017.	N/A
4.9	Replace Approximately 30 miles of AC FM Transmission System	This Force Main Transmission System Replacement project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to replace asbestos cement force mains that have experienced failures and are difficult to locate in the field. This includes approximately 30 miles of AC FM transmission system. This project has been divided into multiple sub/child projects. See individual status of each project in Table A-4.2.	Design, permitting, procurement and construction were completed. See individual status of each project in Table A-4.2.	N/A
4.10	Opa-Locka Airport FM Replacement	The Opa-Locka Airport PCCP Force Main Replacement project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation of 2.5 miles of 48 inch PCCP force main running along the Biscayne Canal between NW 57th Avenue & NW 32nd Avenue. The length has been determined to have approximately one quarter of its line segments distressed based on in-situ condition assessments. This project has been split into four (4) child/sub projects. 1) Includes rehab of an existing 48" FM east of the Opa-Locka Airport. 2) Includes two (2) miles of open cut 54" DIP FM pipe along airport.	4.10(1) Construction was completed on October 27, 2017. 4.10(2) Construction was completed on May 11, 2018.	N/A

Table A-4.2 Project 4.9 Replacement of Approximately 30 Miles AC FM Transmission System

Line Number	Diameter	From Location	To Location	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
1	12	SW 112 Ave. & SW 104 St.	SW 112 Ave. & SW 112 St.	This project was complete on June 5, 2020.	N/A
2	8	NE 14 Ave. & 191 St.	NE 14 Ave. & Miami Gardens Dr.	This project was complete on June 5, 2020.	N/A
3	6	PS 356	NW 53 Ct. & NW 195 Dr.	This project was completed on August 11, 2014.	N/A
4	8	NW 53 Ct. & NW 195 Dr.	NW 52 Ct. & NW 191 Dr.	This project was completed on August 11, 2014.	N/A
5	10	NW 52 Ct. & NW 191 St.	NW 52 Ct. & NW 188 Dr.	This project was completed on August 11, 2014.	N/A
6	6	PS 362	NW 52 Ct. & NW 190 Dr.	This project was completed on August 18, 2017.	N/A
7	10	NW 52 Ct. & NW 190 St.	NW 52 Ave. & NW 189 Ter.	This project was completed on August 18, 2017.	N/A
8	10	NW 52 Ct. & NW 188 St.	NW 52 Ave. & NW 183 St.	This project was completed on August 11, 2014.	N/A
9	8	PS 385	NW 29 Ct. & NW 199 St.	This project was completed on August 7, 2015.	N/A
10	12	NW 29 Ct. & NW 199 St.	NW 30 Pl. & NW 199 St.	This project was completed on August 7, 2015.	N/A
11	8	NW 29 Ct. & NW 199 St.	NW 28 Ave. & NW 199 St.	This project was completed on August 7, 2015.	N/A
12	6	PS 374	NW 28 Ave. & NW 199 St.	This project was completed on August 7, 2015.	N/A
13	12	NW 30 Pl. & NW 199 St.	NW 37 Ave. & NW 199 St.	This project was completed on August 7, 2015.	N/A
14	8	PS 368	NW 37 Ave. & NW 194 Ter.	This project was completed on June 3, 2015.	N/A
15	4	PS 375	NW 29 Pl. and NW 191 St.	This project was completed on June 3, 2015.	N/A
16	10	PS 427	NW 29 Pl. and NW 191 St.	This project was completed on June 3, 2015.	N/A

Table A-4.2 Project 4.9 Replacement of Approximately 30 Miles AC FM Transmission System

Line Number	Diameter	From Location	To Location	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
17	10	NW 29 Pl. and NW 191 St.	NW 32 Ave. & NW 191 St.	This project was completed on June 3, 2015.	N/A
18	6	PS 376	NW 32 Ave. & NW 191 St.	This project was completed on June 3, 2015.	N/A
19	6	PS 377	NW 36 Ave. & NW 183 St.	This project was completed on June 3, 2015.	N/A
20	8	PS 366	NW 42 Pl. & NW 199 Ter.	This project was completed on March 6, 2017.	N/A
21	10	NW 42 Pl. & NW 199 Ter.	NW 39 Ct. & NW 199 St.	This project was completed on March 6, 2017.	N/A
22	6	PS 358	PS 352	This project was completed on March 1, 2017.	N/A
23	8	PS 1022	PS 1072	This project was completed on June 15, 2018.	N/A
24	8	PS 353	NW 48 Ct. & NW 178 Ter.	This project was completed on October 27, 2016.	N/A
25	10	NW 52 Ave. & NW 173 Dr.	NW 52 Ave. & NW 178 Ter.	This project was completed on April 3, 2017.	N/A
26	6	PS 354	NW 52 Ave. & NW 173 Dr.	This project was completed on April 3, 2017.	N/A
27	4	Pvt. PS @ SW 149 Ter.	MH 14 @ PS 719	This project was complete on June 5, 2020.	N/A
28	8	PS 786	MH 5 @ PS 785	This project was complete on June 5, 2020.	N/A
29	12	PS 811	SW 107 Ave. & SW 76 St.	This project was completed on September 12, 2019.	N/A
30	12	PS 811	SW 102 Ave. & SW 81 St.	This project was completed on September 12, 2019.	N/A
31	10	PS 812	SW 102 Ave. & SW 84 St.	This project was completed on September 12, 2019.	N/A
32	12	SW 107 Ave. & SW 104 St.	SW 107 Ave. & Kendale Blvd.	This project was completed on October 13, 2017.	N/A

Table A-4.2 Project 4.9 Replacement of Approximately 30 Miles AC FM Transmission System

Line Number	Diameter	From Location	To Location	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
33	4	Pvt. PS @ 114 Ave. & SW 169 St.	MH 59 @ SW 103 Ave.	This project was completed on August 12, 2016.	N/A
34	10	PS 709	Homestead Ave. & Kumquat St.	This project was completed on April 21, 2020.	N/A
35	6	SW 110 Ave. & Banyan St.	SW 95 Ave. & SW Banyan St.	This project was completed on April 21, 2020.	N/A
36	4	PS 721	US1 & Banyan St.	This project was completed on April 21, 2020.	N/A
37	4	PS 749	PS 731	This project was completed on April 21, 2020.	N/A
38	4	PS 747	US1 & East Indigo St.	This project was completed on April 21, 2020.	N/A
39	10	SW 102 Ave. & SW 176 St.	Homestead Ave. & West Jessamine	This project was completed on April 21, 2020.	N/A
40	8	PS 745	SW 102 Ave. & SW 175 St.	This project was completed on April 21, 2020.	N/A
41	4	PS 731	SW Duval Ave. & West Indigo St.	This project was completed on April 21, 2020.	N/A
42	10	SW 102 Ave. & West Jessamine	US1 & SW 184 St.	This project was completed on April 21, 2020.	N/A
43	12	Homestead Ave. & 180 St.	Railroad St. & SW 184 St.	This project was completed on April 21, 2020.	N/A
44	8	PS 810	SW 118 Pl. & SW 72 St.	This project was complete on June 5, 2020.	N/A
45	12	PS 793	SW 118 Pl. & SW 72 St.	This project was complete on June 5, 2020.	N/A
46	6	PS 724	SW 106 Ave. & SW 155 St.	This project was complete on April 21, 2020.	N/A
47	8	PS 869	SW 122 Ave. & SW 88 St.	This project was completed on February 1, 2017.	N/A
48	10	PS 1017	SW 123 Pl. & SW 268 St.	This project was completed on September 12, 2019.	N/A
49	10	PS 1029	SW 132 Ave. & 268 St.	This project was completed on September 12, 2019.	N/A
50	8	SW 137 Ave. & SW 268 St.	SW 128 Ave. & 268 St.	This project was completed on September 12, 2019.	N/A

Table A-4.2 Project 4.9 Replacement of Approximately 30 Miles AC FM Transmission System

Line Number	Diameter	From Location	To Location	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
51	10	PS 1028	SW 137 Ave. & 288 St.	This project was completed on September 12, 2019.	N/A
52	10	PS 1027	SW 132 Ave. & 280 St.	This project was completed on September 12, 2019.	N/A
53	8	PS 1018	MH 44A @ SW 132 Ave.	This project was completed on September 12, 2019.	N/A
54	12	SW 137 Ave. & SW 72 St.	SW 142 Ave. & SW 72 St.	This project was complete on June 5, 2020.	N/A
55	12	SW 142 Ave. & SW 72 St.	SW 147 Ave. & SW 72 St.	This project was complete on June 5, 2020.	N/A
56	8	PS 864	SW 147 Ave. & SW 72 St.	This project was complete on June 5, 2020.	N/A
57	8	SW 142 Ave. & Kendale Lakes Blvd.	SW 140 Ave. & Kendale Lakes Blvd.	This project was complete on June 5, 2020.	N/A
58	10	SW 140 Ave. & Kendale Lakes Blvd.	SW 137 Ave. & Kendale Lakes Blvd.	This project was complete on June 5, 2020.	N/A
59	12	SW 137 Ave. & Kendale Lakes Blvd.	SW 137 Ave. & SW 81 St.	This project was complete on June 5, 2020.	N/A
60	8	PS 1013	PS 1012	This project was completed on August 21, 2019.	N/A
61	10	PS 1012	SW 144 Ave. & SW 280 St.	This project was completed on August 21, 2019.	N/A
62	8	PS 1011	SW 144 Ct. & SW 280 St.	This project was completed on August 21, 2019.	N/A
63	10	SW 147 Ave. & SW 288 St.	SW 134 Pl. & SW 288 St.	This project was completed on September 12, 2019.	N/A
64	6	PS 1009	SW 147 Ave. & SW 296 St.	This project was complete on June 5, 2020.	N/A
65	6	PS 1006	PS 1005	This project was complete on December 12, 2019.	N/A

Table A-4.2 Project 4.9 Replacement of Approximately 30 Miles AC FM Transmission System

Line Number	Diameter	From Location	To Location	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
66	8	PS 1002	SW 152 & SW 304 St.	This project was complete on June 5, 2020.	N/A

Table A-5.1 Sewer Pump Station Systems

Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
5.1	Upgrade of PS No. 0418	The Upgrade of PS No. 0418 project is being performed pursuant to Paragraph 19(i) and Appendix D. The station has reached the end of its useful life and a booster station is needed to relieve pressures in the Doral area. The purpose of this project is to convert PS No. 0418 into a booster type station.	Construction completion was achieved on November 8, 2019.	N/A
5.2	Decommissioning of PS No. 0691	The Upgrade of PS No. 0691 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing equipment of the PS is beyond its useful life and capacity increase is required to handle increased Homestead flows. This project involves the replacement of pumping and electrical equipment in PS No. 0691. In February 2016, the County transmitted a request for modification to EPA and FDEP. The County requested to modify the scope of work to include completion of Homestead Pump Station No.1 and decommissioning of PS 0691 in lieu of upgrading PS No. 0691. EPA and FDEP approved the request for modification in April 2016.	PS No. 0691 was decommissioned on November 8, 2019.	N/A
5.3	Upgrade of PS No. 0692	The Upgrade of PS No. 0692 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing equipment of the PS is beyond its useful life and capacity increase is required to handle increased Homestead flows. This project involves the replacement of pumping and electrical equipment in PS No. 0692.	The County notified EPA and FDEP on May 5, 2020 and on June 16, 2020 of Delay, Force Majeure, and Failure to Meet the Compliance Date. Construction completed November 17, 2020.	N/A
5.4	Replacement of Switchgear PS No. 0414	The Replacement of Switchgear PS No. 0414 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing pump station equipment has reached the end of its useful life and a booster station is needed to relieve the pressures and reroute flow away from PS No. 1310 and PS No. 0300. The purpose of this project is to convert PS No. 0414 into a booster type station and rehabilitate and replace the entire facility equipment (pumps, motors, electrical equipment, HVAC, valves, and piping).	Construction was completed on June 11, 2019, ahead of the CD compliance date of June 15, 2019.	N/A
5.5	Replacement of Switchgear and Rehabilitation of Wet Well PS No. 0415	The Replacement of Switchgear and Rehabilitation of Wet Well PS No. 0415 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing pump station equipment has reached the end of its useful life and the wet well structure is badly deteriorated due to H ₂ S. This project involves the rehabilitation and replacement of the entire facility equipment (pumps, motors, electrical equipment, HVAC, odor control, valves, piping and wet well) in PS No. 0415.	Construction completion was achieved on November 13, 2019.	N/A
5.6	Replacement of Switchgear PS No. 0416	The Replacement of Switchgear PS No. 0416 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing equipment of the PS is beyond its useful life. This project involves the replacement of electrical switchgear in PS No. 0416.	Construction was completed on June 11, 2019, ahead of the CD compliance date of June 13, 2019.	N/A
5.7	Replacement of Switchgear and Rehabilitation of Wet Well PS No. 0417	The Replacement of Switchgear and Rehabilitation of Wet Well PS No. 0417 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing equipment of the PS is beyond its useful life and the wet well structure is badly deteriorated due to H ₂ S. This project involves the rehabilitation and replacement of the entire facility equipment (pumps, motors, electrical equipment, HVAC, odor control, valves, piping and wet well) in PS No. 0417.	Construction completed July 1, 2020.	N/A
5.8	Replacement of Electrical and Mechanical Equipment PS No. 0107	The Replacement of Electrical and Mechanical Equipment PS No. 0107 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing equipment is beyond of the PS is beyond its useful life and parts are not readily available for the load cell type controllers. This project involves the replacement of pumping and electrical equipment of PS No. 0107.	Construction was completed on February 23, 2018, ahead of CD compliance date of January 27, 2019.	N/A

Table A-5.1 Sewer Pump Station Systems

Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
5.9	Replacement of Pumping and Electrical Equipment PS No. 0301	The Replacement of Pumping and Electrical Equipment PS No. 0301 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing pump station equipment has reached the end of its useful life and a new pump station is needed to address future capacity needs, sea level rise and storm surge. Phase 1 of the project involves the replacement of the pumps, electrical equipment and generators, in addition to rehabilitation of the HVAC equipment of PS No. 0301. Phase 2 will include the construction of a new submersible pump station.	Construction was completed on January 25, 2022.	N/A
5.10	Upgrade of PS No. 0488	The Upgrade of PS No. 0488 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing equipment is beyond its useful life. This project involves the conversion of the PS a submersible type station.	This project was completed on December 8, 2016, ahead of the CD compliance date of May 9, 2018.	N/A
5.11	Installation of 60 inch FM from Kendall Dr. to PS No. 0536	Currently, there is a pressure differential and increase flow transfer between PS No. 0559 and PS No. 0536. The purpose of this project was originally to install a 60 inch FM from Kendall Dr. to PS No. 0536 to eliminate the 42 inch reduction in the 60 inch FM. System reviews and analysis has determined that the installation of a 48 inch cross connection between the existing 72 inch effluent FM to an existing 48 inch force main will accomplish the desired reduction in pressure differential.	Construction was completed on February 13, 2019, ahead of CD compliance date of May 18, 2019.	N/A
5.12	Replacement of Switchgear PS No. 0187	The Replacement of Switchgear PS No. 0187 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing PS equipment is beyond its useful life and parts are not readily available. This project involves the demolition of the four (4) existing 450 hp pumps (3 two-speed, and 1 with Anvic Drive) and the installation of four (4) new 450 hp pumps and motors, with new VFDs, replacement of electrical switchgear, HVAC and lighting upgrades, expansion of Electrical Room, generator upgrades, and replacement of plug valves and control valves.	Construction was completed on March 25, 2019, ahead of the CD compliance date of March 26, 2019.	N/A
5.13	Refurbish Emergency Generators and Controls at Regional PSs	The Refurbish Emergency Generators and Controls at regional PSs project is being performed pursuant to Paragraph 19(i) and Appendix D. The emergency backup generators are unreliable due to the age of the controllers and the condition of the wiring on the engines. The purpose of this project is to refurbish emergency generators and controls at regional PSs.	Construction was completed on February 4, 2016, ahead of the CD compliance date of July 20, 2016.	N/A
5.14	Upgrade of PSs Nos. 0086 and 0492	The Upgrade of PSs No. 0086 and 0492 project was performed and completed pursuant to Paragraph 19(i) and Appendix D. The project was designed to increase reliability and extend the service life of the pump station. The pump stations also exceeded the Adequate Transmission Capacity Criteria with a NAPOT of greater than 10 hours. For this project, PS No. 0086 was converted to a submersible type pump station with an existing wet well and the electrical controls and instrumentation were upgraded. The electrical controls and instrumentation for PS No. 0492 were upgraded. It was also rehabilitated to a new submersible type pump station.	Construction was completed on July 15, 2013, ahead of the CD compliance date of December 31, 2013.	N/A

Table A-5.1 Sewer Pump Station Systems

Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
5.15	Upgrade of PSs Nos. 0065, 0201, 0334, 0374, 0607	The Upgrade of PSs No. 0065, 0201, 0334, 0374, 0607 project is being performed pursuant to Paragraph 19(i) and Appendix D. The pump stations exceed the Adequate Transmission Capacity Criteria with a NAPOT of greater than 10 hours. The PS No. 0065 is being upgraded to include new submersible pumps in the existing dry well, installation of larger suction and discharge piping, and an electrical upgrade. The PS No. 0201 is being upgraded to include new submersible pumps, installation of a new valve box, an electrical upgrade and 48 I/I repairs for a flow of 176 gpm. The PS No. 0334 project involves the conversion to a new submersible type pump station, an electrical upgrade and the installation of 2,200 L.F. of new 8 inch FM. The PS No. 0374 is being upgraded to include new submersible pumps, installation of a new valve box, an electrical upgrade and the installation of 320 L.F. of new 8 inch FM. The PS No. 0607 project involves the conversion to a new submersible type pump station and an electrical upgrade.	This project was completed on December 30, 2015, ahead of the CD compliance date of December 31, 2015.	N/A
5.16	Upgrade of PSs Nos.0198, 0437, 0466, 0680	The Upgrade of PSs No. 0198, 0437, 0466, 0680 project is being performed pursuant to Paragraph 19(i) and Appendix D. These pump stations exceed the Adequate Transmission Capacity Criteria with a NAPOT of greater than 10 hours. The PS No. 0198 is being upgraded to include new submersible pumps in a new triplex wet well, an electrical upgrade and flow isolation. PS No. 0437 is being upgraded to include new dry pit submersible pumps, replacement of roughly 100 linear feet of 10" force main to the street connection, and electrical upgrades. PS#0466 is being upgraded to include refurbishment of the existing wet well and repairs to pipes and valves. PS No. 0680 is being upgraded to include new submersible pumps, new valve box, electrical upgrades and a new generator with sub-base tank. This project has been divided into four (4) child projects. With the following current statuses: 1) Pump Station No. 0198 Compliance Project. The CD Compliance deadline of December 31, 2016 was not achieved. The PMCM and WASD are working with the Contractor to try and complete the remaining work. 2) Pump Station No. 0437 Upgrade. 3) Pump Station No. 0466 Compliance Project. 4) Pump Station No. 0680 Upgrade.	This project was completed on January 24, 2018.	N/A
5.17	Upgrade of PSs Nos. 0037, 0351, 0370, 0403	The Upgrade of PSs No. 0037, 0351, 0370, 0403 project is being performed pursuant to Paragraph 19(i) and Appendix D. The pump stations exceed the Adequate Transmission Capacity Criteria with a NAPOT of greater than 10 hours. The PS No. 0037 project involves the conversion to a new submersible type pump station and an electrical upgrade. The PS No. 0351 is being upgraded to include new submersible pumps, installation of a new valve box, an electrical upgrade and the replacement of 360 L.F. of 4 inch with 8 inch FM. The PS No. 0370 project involves the conversion to a new submersible type pump station, an electrical upgrade and the installation of 760 L.F. of new 8 inch FM. The PS No. 0403 project involves the conversion to a new submersible type pump station, an electrical upgrade and the installation of an on-site generator. This project is split into four (4) different sub/child projects (one per pump station). 5.17(1) Pump Station 0037 Compliance Project 5.17(2) Pump Station No. 0351 Upgrade 5.17(3) Pump Station No. 0370 Upgrade and Installation of FM 5.17(4) Pump Station 0403 Upgrade	This project was completed on April 30, 2018, ahead of CD compliance date of November 20, 2018. 5.17(1) PS No. 0037: Construction was completed on November 14, 2017. 5.17(2) PS No. 0351: Construction was completed on December 1, 2017. 5.17(3) PS No. 0370: Construction was completed on January 11, 2018. 5.17(4) PS No. 0403: Construction was completed on April 30, 2018.	N/A

Table A-5.1 Sewer Pump Station Systems

Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
5.18	Upgrade of PSs Nos. 0441, 0491, 0710, 0827, 0852, 1236	<p>The Upgrade of PSs No. 0441, 0491, 0710, 0827, 0852, 1236 project is being performed pursuant to Paragraph 19(i) and Appendix D. The pump stations exceed the Adequate Transmission Capacity Criteria with a NAPOT of greater than 10 hours. The PS No. 0441 project involves the conversion to a new submersible type pump station and an electrical upgrade. PS No. 0491 is undergoing flow isolation and I/I repairs if necessary. The PS No. 710 project involves the conversion to a new submersible type pump station, an electrical upgrade and the installation of 1,800 L.F. of new 8 inch FM. The PS No. 0827 is being upgraded to include larger submersible pumps, installation of a new valve vault, an electrical upgrade and the replacement of 1,600 L.F. of 4 inch FM with 8 inch FM. The PS No. 0852 project involves the conversion to a new submersible type pump station and an electrical upgrade. PS No. 1236 is undergoing 300 I/I repairs to achieve a flow of 130 gpm. This project is split into six (6) different sub/child projects.</p> <ol style="list-style-type: none"> 1) Pump Station 0441 Upgrade 2) Pump Station 0491 Compliance Project 3) Pump Station 0710 Compliance Project 4) Pump Station 0827 Compliance Project 5) Pump Station 0852 Compliance Project 6) Pump Station 1236 Compliance Project – Consent Decree requirements for this project were accomplished and received EPA certification for Substantial Completion. PS#1236 has maintenance issues and will be resolved under phase 2 for which CD deadlines are not applicable. 	<p>5.18(1) Construction was completed on August 14, 2019. 5.18(2) Construction was completed on November 15, 2019. 5.18(3) Construction was completed on August 14, 2019. 5.18(4) Construction was completed on November 18, 2019. 5.18(5) Construction was completed on July 26, 2019. 5.18(6) Construction was completed on May 1, 2017.</p>	N/A
5.19	SCADA RTU Upgrades	<p>The SCADA RTU Upgrades project is being performed pursuant to Paragraph 19(i) and Appendix D. The current radio communication system is obsolete and it is difficult to procure parts. The purpose of the project is to upgrade the SCADA remote telemetry units for 635 pump stations to maintain operational sustainability.</p>	<p>Construction was completed on November 23, 2015 ahead of the CD compliance date March 18, 2016.</p>	N/A

Appendix B Project Schedules Gantt Chart

EPA Interim Milestone ID	Activity Name	Actual/Forecast Start	EPA Interim Milestone Start Date	Actual/Forecast Finish	EPA Interim Milestone Finish Date	18	2019	2020	2021	2022	2023	2024	2025	2026	2027
						Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
WASD Consent Decree Schedule - December 2023 Update															
1. South District WWTP															
1.01 Headworks															
1.1.1	Engineering Design - SD Headworks	02-Feb-15 A	01-Oct-15	27-Feb-15 A	26-Apr-16										
1.1.2	Permitting - SD Headworks	02-Feb-15 A	27-Apr-16	27-Feb-15 A	26-Apr-17										
1.1.3	Procurement - SD Headworks	02-Feb-15 A	27-Apr-17	15-Oct-19 A	26-Apr-18										
1.1.4	Construction - SD Headworks	14-Aug-09 A	27-Apr-18	06-Nov-19 A	23-Feb-20										
1.02 Oxygen Production															
1.2.1	Engineering Design - SD Oxygen Production	03-Apr-15 A	01-Jan-15	07-Feb-16 A	29-May-16										
1.2.2	Permitting - SD Oxygen Production	08-Feb-16 A	30-May-16	11-Apr-17 A	19-May-17										
1.2.3	Procurement - SD Oxygen Production	28-Nov-16 A	26-Nov-16	26-Oct-18 A	30-Sep-17										
1.2.4	Construction (Consent Decree) - SD Oxygen Production	07-Jan-19 A	01-Oct-17	15-Sep-23 A	25-Feb-22										
1.03 Oxygenation Trains															
1.3.1	Engineering Design - SD Oxygenation Trains	15-Feb-17 A	31-Mar-17	09-Dec-19 A	30-Sep-19										
1.3.2	Permitting - SD Oxygenation Trains	07-Nov-19 A	01-Oct-19	28-Jul-21 A	31-Mar-20										
1.3.3	Procurement - SD Oxygenation Trains	21-Mar-17 A	18-Jul-18	01-May-22 A	17-Jul-19										
1.03 (1) - Oxygenation Trains Structural Rehab															
1.3.10	Construction Train 7 - SD Oxygenation Trains Struct. Rehab	02-Oct-13 A	17-Jul-25	24-Mar-14 A	16-Nov-25										
1.3.4	Construction Train 4 - SD Oxygenation Trains Struct. Rehab	16-Dec-19 A	16-Jul-21	31-Jul-20 A	16-Nov-21										
1.3.5	Construction Train 6 - SD Oxygenation Trains Struct. Rehab	23-Jan-18 A	17-Jul-20	30-May-18 A	16-Nov-20										
1.3.6	Construction Train 5 - SD Oxygenation Trains Struct. Rehab	17-Mar-17 A	18-Jul-19	01-Jun-17 A	17-Nov-19										
1.3.9	Construction Train 1 - SD Oxygenation Trains Struct. Rehab	02-Feb-15 A	17-Jul-24	08-Jan-16 A	17-Nov-24										
1.04 Chlorine Building															
1.4.1	Engineering Design - SD Chlorine Building	17-Jul-18 A	01-Dec-18	29-Aug-19 A	10-Apr-19										
1.4.2	Permitting - SD Chlorine Building	30-Aug-19 A	11-Apr-19	28-Jul-20 A	09-Apr-20										
1.4.3	Procurement - SD Chlorine Building	06-Mar-20 A	10-Apr-20	23-Dec-20 A	09-Apr-21										
1.4.4	Construction - SD Chlorine Building	23-Dec-20 A	10-Apr-21	27-Jan-22 A	07-Aug-23										
1.05 Effluent Pump Station															
1.5.1	Engineering Design - SD Effluent Pump Station	19-Nov-13 A	01-Sep-16	27-Jul-18 A	17-May-18										
1.5.2	Permitting - SD Effluent Pump Station	19-Nov-13 A	18-May-18	14-Dec-18 A	17-Nov-18										
1.5.3	Procurement - SD Effluent Pump Station	18-Feb-14 A	18-Nov-18	31-Oct-19 A	13-Aug-19										
1.5.4	Construction - SD Effluent Pump Station	20-May-14 A	14-Aug-19	21-Apr-22 A	07-Apr-22										
1.06 Gravity Sludge Thickeners															
1.6.1	Engineering Design - SD Gravity Sludge Thickeners	03-Jul-14 A	01-Jan-18	29-Mar-16 A	18-Aug-18										
1.6.3	Procurement - SD Gravity Sludge Thickeners - SD Gravity Sludge Thickeners	29-Mar-16 A	19-Aug-19	03-Jul-20 A	17-Aug-20										
1.6.4	Design-Builder Contract Duration - SD Gravity Sludge Thickeners	06-Jul-20 A	18-Aug-20	13-Nov-24	06-Jan-23										
1.07 Digesters and Control Building															
1.7.1	Engineering Design - SD Digesters & Control Building	30-Jun-14 A	03-Jul-14	01-Sep-16 A	30-Sep-16										
1.7.2	Permitting - SD Digesters & Control Building	26-Oct-15 A	27-Jul-14	16-May-17 A	30-Jun-17										
1.7.3	Procurement - SD Digesters & Control Building	19-Oct-17 A	01-Sep-17	08-Aug-18 A	30-Apr-18										
1.7.4	Construction - SD Digesters & Control Building	08-Aug-18 A	01-May-18	24-Mar-27	21-Nov-23										
1.08 Dewatering Facility															
1.8.1	Engineering Design (DCP) - SD Dewatering Facilities	13-Apr-15 A	01-Jul-14	29-Mar-16 A	13-Apr-15										

■ Remaining Project Phase Summary ■ Critical Re...
▽ Compliance Dates ◆ Milestone
■ Actual Project Phase Summary
■ Actual Work
■ Remaining Work

MIAMI-DADE WATER & SEWER DEPARTMENT CONSENT DECREE PROGRAM SCHEDULE CURRENT VS APPROVED EPA DATES

QUALITY. VALUE. ECONOMIC GROWTH. WWW.MIAMIDADE.GOV/WATER	Date		Revision		Checked	Approved
	14-Jul-14		Revision 0		GSR	DH
	13-Oct-23		September 2023 Update			
	15-Nov-23		October 2023 Update			
	15-Dec-23		November 2023 Update			
16-Jan-24		December 2023 Update				

EPA Interim Milestone ID	Activity Name	Actual/Forecast Start	EPA Interim Milestone Start Date	Actual/Forecast Finish	EPA Interim Milestone Finish Date	Timeline											
						18	2019	2020	2021	2022	2023	2024	2025	2026	2027		
						Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
1.8.3	Procurement - SD Dewatering Facilities	29-Mar-16 A	13-Apr-16	03-Jul-20 A	09-Jan-18												
1.8.4	Design-Builder Contract Duration - SD Dewatering Facilities	06-Jul-20 A	10-Jan-18	13-Nov-24	06-Jan-23												
1.09 FOG Removal Facility																	
1.9.1	Engineering Design - SD FOG Removal Facility	08-Jul-14 A	08-Jul-14	21-Jan-16 A	16-Feb-16												
1.9.2	Permitting - SD FOG Removal Facility	10-Nov-15 A	17-Feb-16	14-Sep-16 A	28-Oct-16												
1.9.3	Procurement - SD FOG Removal Facility	05-Aug-16 A	03-May-15	29-Jun-17 A	15-May-17												
1.9.4	Construction - SD FOG Removal Facility	30-Jun-17 A	31-Jul-17	26-Mar-19 A	24-May-19												
1.10 Odor Control																	
1.10.1	Engineering Design - SD Odor Control	14-Sep-18 A	01-Dec-18	08-Nov-19 A	27-Jun-19												
1.10.2	Permitting - SD Odor Control	21-Nov-19 A	28-Jun-19	07-Jul-20 A	26-Jun-20												
1.10.3	Procurement - SD Odor Control	02-Mar-20 A	27-Jun-20	21-Mar-21 A	26-Jun-21												
1.10.4	Construction - SD Odor Control	22-Mar-21 A	27-Jun-21	19-Apr-23 A	25-Apr-23												
1.11 General Electrical																	
1.11.1	Engineering Design (Summary) - SD General Electrical	25-Oct-16 A	31-Dec-16	14-Feb-19 A	31-Dec-17												
1.11.2	Permitting (Summary) - SD General Electrical	07-May-18 A	30-Jun-17	25-May-19 A	28-May-18												
1.11.3	Procurement (Summary) - SD General Electrical	24-Aug-18 A	29-May-18	24-Dec-20 A	28-May-19												
1.11.4	Construction (Summary) - SD General Electrical	03-Oct-19 A	29-May-19	18-Apr-24	26-Mar-21												
1.12 Chlorine Contact Chamber																	
1.12.1	Engineering Design - SD Chlorine Contact Chamber	01-Oct-15 A	01-Aug-16	18-Jul-17 A	30-Sep-19												
1.12.2	Permitting - SD Chlorine Contact Chamber	01-Oct-15 A	09-Apr-17	30-Oct-15 A	08-Apr-18												
1.12.3	Procurement - SD Chlorine Contact Chamber	24-Aug-15 A	09-Apr-18	29-Nov-20 A	08-Apr-19												
1.12.4	Construction - SD Chlorine Contact Chamber Struct. Rehab	05-Jan-16 A	09-Apr-19	05-Apr-21 A	18-Jun-21												
2. Central District WWTP																	
2.01 Miscellaneous Electrical Improvements																	
2.1.1	Engineering Design - CD Misc. Elect. Improvements	11-Jun-14 A	01-Jan-17	02-May-19 A	31-Dec-17												
2.1.2	Permitting - CD Misc. Elect. Improvements	18-Dec-15 A	21-Jun-17	30-Nov-19 A	20-Jun-18												
2.1.3	Procurement - CD Misc. Elect. Improvements	24-Jul-15 A	21-Jun-18	10-May-20 A	20-Jun-19												
2.1.4	Construction - CD Misc. Elect. Improvements	29-Jan-16 A	21-Jun-19	17-Nov-21 A	14-Jun-21												
2.02 Building Improvements																	
2.2.1	Engineering Design - CD Repairs to Various Buildings	26-Mar-14 A	01-May-14	05-May-16 A	18-Oct-14												
2.2.2	Permitting - CD Repairs to Various Buildings	13-Oct-14 A	19-Oct-14	23-Jun-16 A	27-Aug-16												
2.2.3	Procurement - CD Repairs to Various Buildings	03-Jun-14 A	19-Oct-15	05-Jan-17 A	31-Jan-17												
2.2.4	Construction - CD Repairs to Various Buildings	16-Oct-14 A	18-Oct-16	17-Jan-20 A	26-Sep-19												
2.03 Headworks/Grit Basin Plant 1																	
2.3.1	Engineering Design - CD Headworks/Grit Basin Plant 1	24-Nov-14 A	01-Sep-14	28-Jan-16 A	05-Jan-16												
2.3.2	Permitting - CD Headworks/Grit Basin Plant 1	28-Jan-16 A	04-Aug-14	05-Aug-16 A	01-Jun-16												
2.3.3	Procurement - CD Headworks/Grit Basin Plant 1	07-Mar-16 A	06-Jan-16	29-Aug-16 A	16-Oct-16												
2.3.4	Construction - CD Headworks/Grit Basin Plant 1	18-Dec-15 A	17-Oct-16	07-Mar-19 A	16-Mar-19												
2.04 Headworks/Grit Basin Plant 2																	
2.4.1	Engineering Design - CD Headworks/Grit Basin Plant 2	24-Nov-14 A	01-Sep-14	28-Jan-16 A	19-Feb-16												
2.4.2	Permitting - CD Headworks/Grit Basin Plant 2	29-Jan-16 A	04-Mar-15	05-Aug-16 A	18-Jun-16												
2.4.3	Procurement - CD Headworks/Grit Basin Plant 2	07-Mar-16 A	03-Mar-16	29-Aug-16 A	02-Mar-17												
2.4.4	Construction - CD Headworks/Grit Basin Plant 2	08-Dec-15 A	03-Mar-17	13-Aug-19 A	23-Aug-19												

█ Remaining Project Phase Summary █ Critical Re...
▽ Compliance Dates ◆ Milestone
█ Actual Project Phase Summary
█ Actual Work
█ Remaining Work

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EPA Interim Milestone ID	Activity Name	Actual/Forecast Start	EPA Interim Milestone Start Date	Actual/Forecast Finish	EPA Interim Milestone Finish Date	Timeline (2018-2027)																							
						Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
2.05 Oxygenation Trains Plant 1																													
2.5.1	Engineering Design - CD Oxygenation Trains Plant 1	01-Mar-11 A	01-Jun-14	12-Aug-17 A	02-Sep-14																								
2.5.2	Permitting - CD Oxygenation Trains Plant 1	01-Mar-11 A	03-Sep-14	02-May-11 A	02-Sep-15																								
2.5.3	Procurement - CD Oxygenation Trains Plant 1	03-May-11 A	03-Sep-15	13-Feb-18 A	14-Dec-17																								
2.5.4	Structural Rehab Train #2 - CD Oxygenation Trains Plant 1	15-Jan-17 A	14-Dec-16	14-Apr-17 A	15-Jun-17																								
2.5.5	Structural Rehab Train #3 - CD Oxygenation Trains Plant 1	13-Feb-18 A	15-Dec-17	22-Jun-18 A	12-Apr-19																								
2.06 Oxygenation Trains Plant 2																													
2.6.1	Engineering Design - CD Oxygenation Trains Plant 2	01-Mar-11 A	01-Jun-16	02-May-11 A	02-Sep-16																								
2.6.2	Permitting - CD Oxygenation Trains Plant 2	01-Mar-11 A	03-Sep-16	02-May-11 A	02-Sep-17																								
2.6.3	Procurement - CD Oxygenation Trains Plant 2	02-May-11 A	03-Sep-17	01-Nov-20 A	16-Nov-18																								
2.6.4	Structural Rehab Train #1 - CD Oxygenation Trains Plant 2	17-Jan-17 A	16-Dec-18	09-May-17 A	18-Mar-19																								
2.6.5	Structural Rehab Train #2 - CD Oxygenation Trains Plant 2	07-Oct-19 A	16-Dec-19	20-Aug-20 A	14-Apr-20																								
2.6.6	Structural Rehab Train #3 - CD Oxygenation Trains Plant 2	09-Nov-15 A	15-Dec-20	29-Feb-16 A	15-Apr-21																								
2.6.7	Structural Rehab Train #4 - CD Oxygenation Trains Plant 2	02-Nov-20 A	16-Dec-21	28-Sep-21 A	14-Apr-22																								
2.07 Secondary Clarifiers Plant 1																													
2.7.1	Engineering Design - CD Secondary Clarifiers Plant 1	12-Apr-18 A	01-Apr-21	03-Jan-20 A	05-Oct-21																								
2.7.2	Permitting - CD Secondary Clarifiers Plant 1	04-Jan-20 A	06-Oct-21	01-Apr-20 A	05-Oct-22																								
2.7.3	Procurement - CD Secondary Clarifiers Plant 1	17-Jul-15 A	06-Oct-22	23-Feb-25	05-Oct-23																								
2.7.4	Construction - CD Secondary Clarifiers Plant 1	11-Jul-15 A	06-Oct-23	12-May-27	15-Aug-26																								
2.08 Secondary Clarifiers Plant 2																													
2.8.1	Engineering Design - CD Secondary Clarifiers Plant 2	16-Mar-16 A	01-Jun-16	01-Feb-17 A	31-Oct-21																								
2.8.2	Permitting - CD Secondary Clarifiers Plant 2	28-Jul-16 A	06-Dec-16	22-May-18 A	05-Dec-17																								
2.8.3	Procurement - CD Secondary Clarifiers Plant 2	27-Nov-17 A	06-Dec-17	24-Sep-24	05-Dec-18																								
2.8.4	Construction - CD Secondary Clarifiers Plant 2	21-Nov-18 A	06-Dec-18	18-Nov-25	01-Dec-24																								
2.09 Return Sludge PS Plant 1																													
2.9.1	Engineering Design - CD Return Sludge PS Plant 1	30-Jul-18 A	01-Apr-21	03-Jan-20 A	05-Oct-21																								
2.9.2	Permitting - CD Return Sludge PS Plant 1	04-Jan-20 A	06-Oct-21	01-Apr-20 A	05-Oct-22																								
2.9.3	Procurement - CD Return Sludge PS Plant 1	25-Sep-24	06-Oct-22	23-Feb-25	05-Oct-23																								
2.9.4	Construction PS #2 - CD Return Sludge PS Plant 1	13-May-27	06-Oct-23	09-Oct-27	17-Sep-24																								
2.9.5	Construction PS #3 - CD Return Sludge PS Plant 1	09-Jul-26	18-Sep-24	05-Dec-26	31-Aug-25																								
2.9.6	Construction PS #1 - CD Return Sludge PS Plant 1	10-Oct-27	01-Sep-25	07-Mar-28	15-Aug-26																								
2.10 Return Sludge PS Plant 2																													
2.10.1	Engineering Design - CD Return Sludge PS Plant 2	13-Jan-16 A	01-Jun-16	01-Feb-17 A	31-Mar-17																								
2.10.2	Permitting - CD Return Sludge PS Plant 2	22-Mar-16 A	06-Dec-16	22-May-18 A	05-Dec-17																								
2.10.3	Procurement - CD Return Sludge PS Plant 2	14-Apr-16 A	06-Dec-17	29-Nov-18 A	05-Dec-18																								
2.10.4	Construction - CD Return Sludge PS Plant 2	22-Apr-16 A	06-Dec-18	15-Mar-23 A	01-Dec-24																								
2.11 Effluent Pump Station																													
2.11.1	Engineering Design - CD Effluent Pump Station	24-Aug-16 A	01-Jan-17	16-Jun-17 A	18-Aug-17																								
2.11.2	Permitting - CD Effluent Pump Station	22-Jun-17 A	19-Aug-17	27-Feb-18 A	20-Jun-18																								
2.11.3	Procurement - CD Effluent Pump Station	07-Mar-18 A	21-Jun-18	04-Aug-19 A	20-Jun-19																								
2.11.4	Construction - CD Effluent Pump Station	05-Aug-19 A	21-Jun-19	01-Jul-21 A	21-Jun-21																								
2.12 Gravity Sludge Thickeners Plant 1																													
2.12.1	Engineering Design - CD Gravity Sludge Thickeners Plant 1	16-Jun-15 A	01-Apr-17	29-Mar-16 A	05-Oct-17																								
2.12.3	Procurement - CD Gravity Sludge Thickeners Plant 1	29-Mar-16 A	06-Oct-18	03-Jul-20 A	05-Oct-19																								

Remaining Project Phase Summary	Critical Re...
Actual Project Phase Summary	Milestone
Actual Work	
Remaining Work	

MIAMI-DADE WATER & SEWER DEPARTMENT CONSENT DECREE PROGRAM SCHEDULE CURRENT VS APPROVED EPA DATES

 WWW.MIAMIDADE.GOV/WATER	Date	Revision	Checked	Approved
	14-Jul-14	Revision 0	GSR	DH
	13-Oct-23	September 2023 Update		
	15-Nov-23	October 2023 Update		
	15-Dec-23	November 2023 Update		
16-Jan-24	December 2023 Update			

EPA Interim Milestone ID	Activity Name	Actual/Forecast Start	EPA Interim Milestone Start Date	Actual/Forecast Finish	EPA Interim Milestone Finish Date	Quarterly Gantt Chart (2018-2027)																																							
						18 Q1	18 Q2	19 Q1	19 Q2	19 Q3	19 Q4	20 Q1	20 Q2	20 Q3	20 Q4	21 Q1	21 Q2	21 Q3	21 Q4	22 Q1	22 Q2	22 Q3	22 Q4	23 Q1	23 Q2	23 Q3	23 Q4	24 Q1	24 Q2	24 Q3	24 Q4	25 Q1	25 Q2	25 Q3	25 Q4	26 Q1	26 Q2	26 Q3	26 Q4	27 Q1	27 Q2	27 Q3	27 Q4		
3.2.2	Permitting - ND Primary Clarifiers & Odor Control	25-Oct-15 A	10-Mar-17	10-Oct-17 A	05-Sep-17	[Gantt bars for 3.2.2]																																							
3.2.3	Procurement - ND Primary Clarifiers & Odor Control	07-Feb-17 A	06-Sep-17	05-Dec-18 A	02-Jun-18	[Gantt bars for 3.2.3]																																							
3.2.4	Construction - ND Primary Clarifiers & Odor Control	23-Aug-17 A	03-Jun-18	14-Sep-22 A	06-Apr-23	[Gantt bars for 3.2.4]																																							
3.03 Oxygenation Trains																																													
3.3.1	Engineering Design - ND Oxygenation Trains	01-Jun-18 A	01-Jan-19	16-Nov-24	14-Oct-19	[Gantt bars for 3.3.1]																																							
3.3.2	Permitting - ND Oxygenation Trains	07-Dec-20 A	15-Oct-19	18-Jun-21 A	13-Oct-20	[Gantt bars for 3.3.2]																																							
3.3.3	Procurement - ND Oxygenation Trains	07-Jul-20 A	14-Oct-20	13-Aug-25	13-Oct-21	[Gantt bars for 3.3.3]																																							
3.3.4	Construction - ND Oxygenation Trains	14-Aug-25	14-Oct-21	09-May-28	06-Mar-26	[Gantt bars for 3.3.4]																																							
3.04 Oxygen Production																																													
3.4.1	Engineering Design - ND Oxygen Production	01-Jun-18 A	01-Apr-20	16-Nov-24	17-Dec-20	[Gantt bars for 3.4.1]																																							
3.4.2	Permitting - ND Oxygen Production	07-Dec-20 A	18-Dec-20	18-Jun-21 A	17-Dec-21	[Gantt bars for 3.4.2]																																							
3.4.2	Permitting (Updated Design) - ND Oxygen Production	17-Nov-24	18-Dec-20	15-May-25	17-Dec-21	[Gantt bars for 3.4.2]																																							
3.4.3	Procurement - ND Oxygen Production	07-Jul-20 A	18-Dec-21	13-Aug-25	17-Dec-22	[Gantt bars for 3.4.3]																																							
3.4.4	Construction - ND Oxygen Production	14-Aug-25	18-Dec-22	09-May-28	06-Mar-26	[Gantt bars for 3.4.4]																																							
3.05 Secondary Clarifiers																																													
3.5.1	Engineering Design - ND Secondary Clarifiers	28-Aug-14 A	01-Dec-18	09-Mar-17 A	12-Nov-20	[Gantt bars for 3.5.1]																																							
3.5.2	Permitting - ND Secondary Clarifiers	27-Mar-15 A	13-Nov-20	10-Oct-17 A	11-May-21	[Gantt bars for 3.5.2]																																							
3.5.3	Procurement - ND Secondary Clarifiers	03-Oct-14 A	06-Feb-21	16-Dec-18 A	05-Feb-22	[Gantt bars for 3.5.3]																																							
3.5.4	Construction - ND Secondary Clarifiers	19-Jan-15 A	06-Feb-22	15-Feb-25	24-Aug-27	[Gantt bars for 3.5.4]																																							
3.06 Disinfection																																													
3.6.1	Engineering Design - ND Disinfection	21-Apr-14 A	01-Feb-17	24-Jul-16 A	06-Apr-17	[Gantt bars for 3.6.1]																																							
3.6.2	Permitting - ND Disinfection	25-Jul-16 A	07-Apr-17	22-Feb-19 A	06-Apr-18	[Gantt bars for 3.6.2]																																							
3.6.3	Procurement - ND Disinfection	21-Nov-17 A	07-Apr-18	10-Sep-18 A	06-Apr-19	[Gantt bars for 3.6.3]																																							
3.6.4	Construction - ND Disinfection	25-Feb-19 A	07-Apr-19	05-Mar-22 A	09-Sep-20	[Gantt bars for 3.6.4]																																							
3.07 Effluent Disposal																																													
3.7.1	Engineering Design (Summary) - ND Effluent Disposal	09-Jul-14 A	01-Dec-15	16-Oct-15 A	12-Sep-16	[Gantt bars for 3.7.1]																																							
3.7.2	Permitting (Summary) - ND Effluent Disposal	17-Feb-15 A	13-Sep-16	04-Dec-15 A	27-Dec-19	[Gantt bars for 3.7.2]																																							
3.7.3	Procurement (Summary) - ND Effluent Disposal	21-Feb-14 A	13-Sep-17	17-Oct-16 A	07-May-20	[Gantt bars for 3.7.3]																																							
3.7.4	Construction (Summary) - ND Effluent Disposal	18-Feb-15 A	08-May-20	18-Jul-18 A	28-Dec-21	[Gantt bars for 3.7.4]																																							
3.08 Plant Wide Electrical																																													
3.8.1	Engineering Design - ND Plant Wide Electrical	01-May-14 A	21-Apr-14	13-Feb-20 A	20-Jan-17	[Gantt bars for 3.8.1]																																							
3.8.2	Permitting - ND Plant Wide Electrical	01-May-15 A	21-Jan-17	24-Feb-20 A	20-Jan-18	[Gantt bars for 3.8.2]																																							
3.8.3	Procurement - ND Plant Wide Electrical	12-Mar-15 A	21-Jan-18	20-Sep-20 A	20-Jan-19	[Gantt bars for 3.8.3]																																							
3.8.4	Construction - ND Plant Wide Electrical	01-Oct-15 A	21-Jan-19	02-Mar-21 A	20-Aug-22	[Gantt bars for 3.8.4]																																							
3.09 Flood Mitigation																																													
3.9.1	Engineering Design - ND Flood Mitigation	04-Apr-14 A	21-Apr-14	30-May-15 A	30-May-15	[Gantt bars for 3.9.1]																																							
3.9.2	Permitting - ND Flood Mitigation	01-May-15 A	27-Nov-14	01-May-15 A	26-Nov-15	[Gantt bars for 3.9.2]																																							
3.9.3	Procurement - ND Flood Mitigation	01-May-15 A	27-Nov-15	24-Jun-16 A	25-Nov-16	[Gantt bars for 3.9.3]																																							
3.9.4	Construction - ND Flood Mitigation	01-May-15 A	26-Nov-16	24-Jun-16 A	13-Aug-17	[Gantt bars for 3.9.4]																																							
3.10 Yard Piping Replacement																																													
3.10.1	Engineering Design - ND Yard Piping Replacement	06-Apr-15 A	10-Apr-16	06-Apr-15 A	16-Jul-17	[Gantt bars for 3.10.1]																																							
3.10.2	Permitting - ND Yard Piping Replacement	06-Apr-15 A	17-Jul-17	06-Apr-15 A	12-Jan-18	[Gantt bars for 3.10.2]																																							
3.10.3	Procurement - ND Yard Piping Replacement	05-Apr-15 A	13-Jan-18	06-Apr-15 A	09-Oct-18	[Gantt bars for 3.10.3]																																							
3.10.4	Construction - ND Yard Piping Replacement	25-May-15 A	10-Oct-18	24-May-16 A	04-Dec-21	[Gantt bars for 3.10.4]																																							

■ Remaining Project Phase Summary ■ Critical Re...
▽ Compliance Dates ◆ Milestone
■ Actual Project Phase Summary
■ Actual Work
■ Remaining Work

MIAMI-DADE WATER & SEWER DEPARTMENT

CONSENT DECREE PROGRAM SCHEDULE

CURRENT VS APPROVED EPA DATES

QUALITY. VALUE. ECONOMIC GROWTH.
WWW.MIAMIDADE.GOV/WATER

Date	Revision	Checked	Approved
14-Jul-14	Revision 0	GSR	DH
13-Oct-23	September 2023 Update		
15-Nov-23	October 2023 Update		
15-Dec-23	November 2023 Update		
16-Jan-24	December 2023 Update		

Appendix C
CMOM Program:
Financial Analysis Program Report

MIAMI-DADE WATER AND SEWER DEPARTMENT
Consolidated Financial Projection - Wastewater Systems (\$000)
Fiscal Year 23 Actuals (October 2022 - September 2023)
(On an accrual basis)

<i>In Thousands</i>	Unaudited Oct-Sep	Audited Oct-Sep
Wastewater System	FY 22-23 Actual	FY 21-22 Actual
Revenues:		
Wastewater System Operating Revenues	\$523,931	\$473,058
Interest Income	\$26,420	\$4,222
Other Adjustments (net change accruals&payables)	\$0	\$16,190
Transferred From WASD Water Operations (*Occurs at Year-end FY2023 flow of funds - after audit)	\$0	\$79,795
Total Revenues:	\$550,351	\$573,265
Expenditures:		
Wastewater System Operating & Maintenance Expenditures	(\$313,903)	(\$293,563)
Debt Service - Existing	(\$197,718)	(\$198,608)
Operating Revenues Transferred To Wastewater Capital Funds (Renewal & Replacement/Special Construction)	(\$120,073)	(\$79,000)
Operating Revenues Transferred (To) From Bond Required Reserve	(\$2,055)	(\$2,094)
Transferred To WASD Water Operations	\$0	\$0
Total Expenditures Operating and Non-Operating	(\$633,749)	(\$573,265)
Net Overage/(Deficit) in Wastewater System Revenues (*Pending FY23 transfer from water - after audit)	(\$83,398)	\$0
% Increase for Net <i>Deficit</i>	0.00%	0.00%

*** Unaudited ACTUAL Note: Transfers to capital funds and to/from water and sewer occur at year-end flow of funds entry that record through the audit process.**

Water and Wastewater Reserve Balances Projected Fiscal Year-End In Thousands

Reserve Required By Bond Ordinance Water and Wastewater	\$85,884	\$82,900
Water and Wastewater Rate Stabilization Fund Balance	\$30,534	\$30,534
Water and Sewer General Reserve Fund Beginning Balance	\$81,362	\$79,708
Water and Wastewater Systems Transfer to/(from) General Reserve	\$5,000	\$1,654
Water and Sewer General Reserve Fund Ending Balance	\$86,362	\$81,362

Miami-Dade Water and Sewer Department
Statement of Revenues, Expenses and Changes in Net Position
WASTEWATER - Wastewater Funds
For 12 Months Ending September 30, 2023

Report Id: WGL011-9
Run on: 01/11/24 10:28 AM
Source: GL

	Unaudited FY 2023			FY 2022	
	Actual	Budget	Variance Fav/(Unfav)	Actual	Variance Fav/(Unfav)
OPERATING REVENUES					
Retail Water	-	-	-	-	-
Retail Wastewater	379,627,136.30	368,475,511.00	11,151,625.30	356,895,250.41	22,731,885.89
Wholesale Water	-	-	-	-	-
Wholesale Wastewater	124,315,249.47	97,625,684.00	26,689,565.47	102,362,164.46	21,953,085.01
Other Revenues	19,988,812.32	13,490,100.00	6,498,712.32	13,801,081.64	6,187,730.68
TOTAL OPERATING REVENUES	523,931,198.09	479,591,295.00	44,339,903.09	473,058,496.51	50,872,701.58
OPERATING & MAINTENANCE EXPENSES					
Water Source of Supply	-	-	-	-	-
Water Pumping	-	-	-	-	-
Water Treatment and Purification	-	-	-	-	-
Water Transmission and Distribution	-	-	-	-	-
Sewer Collection	39,364,294.53	37,229,920.24	(2,134,374.29)	36,064,092.92	(3,300,201.61)
Sewer Pumping	64,514,581.73	57,216,747.91	(7,297,833.82)	56,337,065.84	(8,177,515.89)
Sewer Treatment and Disposal	137,878,464.01	116,725,367.96	(21,153,096.05)	124,868,508.59	(13,009,955.42)
Customer Accounting	(3,585,812.14)	(3,176,425.55)	409,386.59	7,369,561.05	10,955,373.19
Customer Service	12,691,433.49	12,191,378.15	(500,055.34)	12,100,098.71	(591,334.78)
General and Administration	63,040,401.76	70,810,924.62	7,770,522.86	56,823,813.75	(6,216,588.01)
Fringes and Overhead	-	-	-	-	-
Stores Overhead	-	-	-	-	-
Vehicle Overhead	-	-	-	-	-
TOTAL OPERATING & MAINTENANCE EXPENSES	313,903,363.38	290,997,913.33	(22,905,450.05)	293,563,140.86	(20,340,222.52)
OPERATING INCOME BEFORE DEPRECIATION	210,027,834.71	188,593,381.67	21,434,453.04	179,495,355.65	30,532,479.06
Depreciation & Amortization	159,782,222.70	-	(159,782,222.70)	151,326,240.45	(8,455,982.25)
OPERATING INCOME (LOSS)	50,245,612.01	188,593,381.67	(138,347,769.66)	28,169,115.20	22,076,496.81

Miami-Dade Water and Sewer Department
Statement of Revenues, Expenses and Changes in Net Position
WASTEWATER - Wastewater Funds
For 12 Months Ending September 30, 2023

Report Id: WGL011-9
Run on: 01/11/24 10:28 AM
Source: GL

	Unaudited FY 2023			FY 2022	
	Actual	Budget	Variance Fav/(Unfav)	Actual	Variance Fav/(Unfav)
NON-OPERATING REVENUE (EXPENSE)					
Customer Connection Fees	30,944,860.44	-	30,944,860.44	32,110,167.28	(1,165,306.84)
Other Revenue	358,783.67	-	358,783.67	382,546.25	(23,762.58)
Other Expense	-	-	-	(593,459.00)	593,459.00
Change in Fair Value	5,102,683.46	-	5,102,683.46	(11,914,952.99)	17,017,636.45
Interest Income	28,344,127.02	-	28,344,127.02	5,877,119.94	22,467,007.08
Interest Expense	(103,665,797.66)	-	(103,665,797.66)	(109,312,758.59)	5,646,960.93
Capitalized Interest	-	-	-	-	-
Amortization of Debt Issue	(5,905,191.84)	-	(5,905,191.84)	(6,135,419.04)	230,227.20
Operating Disaster Revenue	-	-	-	-	-
Operating Grants	-	-	-	-	-
Job Order Recovery	1,830,533.08	-	1,830,533.08	437,472.28	1,393,060.80
Job Order Expenses	(1,844,503.92)	-	(1,844,503.92)	(1,182,978.49)	(661,525.43)
Gen Fund Admin Support Fee	-	-	-	-	-
Non-Operating Transfers	-	-	-	-	-
Non-Operating Activity	-	-	-	-	-
Non-O&M Activity	-	-	-	-	-
TOTAL NON-OPERATING REVENUE (EXPENSE)	(44,834,505.75)	-	(44,834,505.75)	(90,332,262.36)	45,497,756.61
INCOME (LOSS) BEFORE CAPITAL CONTRIBUTIONS	5,411,106.26	188,593,381.67	(183,182,275.41)	(62,163,147.16)	67,574,253.42
Capital Contributions	20,176,490.92	-	20,176,490.92	16,634,998.82	3,541,492.10
INCREASE (DECREASE) IN NET POSITION	25,587,597.18	188,593,381.67	(163,005,784.49)	(45,528,148.34)	71,115,745.52

**Miami-Dade Water and Sewer Department
GL O&M Expense Analysis by O&M Activity
As of September 30, 2023**

Report Id: WFR018
Run on: 01/16/24 09:35 AM
Source: GL

		Annual Budget 2023	Annual Actual 2023	Annual Budget 2023	Annual Actual 2022	Annual Budget 2022
OPERATING & MAINTENANCE EXPENSES						
100057	OM Activity - GL use only (SC)	581,560	1,088,826	581,560	1,310,254	577,000
210004	Sewer Collection & Trans (SC)	-	-	-	330	-
225002	Sewer Collection & Trans (SC)	-	-	-	-	269,952
226002	Sewer Collection & Trans (SC)	20,350	26,088	20,350	135,845	212,867
260004	Security Services (SC)	850,000	827,447	850,000	847,413	700,000
260110	Communications (SC)	303,906	518,079	303,906	297,798	305,004
260402	Damages (SC)	-	-	-	6,886	29,150
320005	Sewer Collection & Trans (SC)	-	-	-	47	-
350105	Construction Mgmt (SC)	-	10,970	-	212	-
520101	Install. of Elect Equip (SC)	-	1,623	-	-	-
520461	Fire Protection System (SC)	-	52	-	-	-
520521	Grounds Installs/Landscp (SC)	-	5,446	-	3,004	-
520601	Indoor Air Qly Insp Compl (SC)	-	-	-	-	25,000
520621	Install Mech/Hvac-Refr Eq (SC)	-	6,837	-	12,158	-
520661	Maint. of Mech Hvac Equip (SC)	-	-	-	-	100
520777	Maint. of Plumbing Equip (SC)	-	692	-	2,507	-
520871	Misc Projects/Tasks (SC)	-	-	-	167	-
520913	Painting (SC)	-	2,150	-	122	-
520921	Structural Misc Task (SC)	-	1,405	-	4,264	-
620004	Sewer Collection & Trans (SC)	895,000	693,162	895,000	530,971	502,000
630117	Sewer Collection & Trans (SC)	-	-	-	1,995	2,500
711301	Sewer Meter Related Work (SC)	1,079,070	1,182,294	1,079,070	926,866	1,065,095
711302	Maint Swr Meter Vaults (SC)	-	185	-	779	-
711305	Calibr/Test Sewer Meter (SC)	-	-	-	10,546	-
810002	Sewer Collection Actv (SC)	-	172,763	-	73,987	-
811015	Telemetry/SCADA (SC)	76,900	120,960	76,900	88,879	76,400
840001	Admin. & General (SC)	7,728,253	6,159,590	7,728,253	7,300,798	3,899,476
840002	Facilities Maint (SC)	13,800	28,170	13,800	22,043	24,000
840101	Cleaning (SC)	3,367,629	4,342,994	3,367,629	4,303,091	3,292,703
840102	Evaluation/Review (SC)	850,879	969,544	850,879	950,944	689,663
840103	Force Main Inspection (SC)	-	167,885	-	11,984	85,058
840104	Inspection-Repair Shop (SC)	966,306	1,595,904	966,306	1,137,646	824,161
840105	Joint Grouting (SC)	102,500	935,448	102,500	156,390	74,100
840106	Lateral TV Inspection (SC)	245,509	1,132,669	245,509	960,167	201,536
840107	Manhole Inspections (SC)	-	31,944	-	69,950	-
840108	Manhole Sealing (SC)	-	751,344	-	1,014,403	366,200
840109	Metering-Conductivity (SC)	467,000	30,210	467,000	196,541	260,000
840110	Metering-Night Flow (SC)	-	417,626	-	411,331	-
840112	Special Projects Inspect (SC)	4,280,994	1,041,948	4,280,994	701,479	4,580,393
840114	Smoke Test (SC)	1,200	24,821	1,200	99,527	1,200
840117	I/I Contract - Inspection (SC)	1,700,000	161,518	1,700,000	352,566	2,000,000
840118	Sect Metal Sleeve Main Li (SC)	-	11,771	-	13,836	-
840119	Deroot Main Line (SC)	-	141,050	-	17,495	-
840120	Descale Main Line (SC)	-	758,916	-	22,358	-
840121	Heavy Clean Main Line (SC)	-	184,695	-	40,569	-
840122	Gravity Main CCTV Insp (SC)	327,700	2,154,212	327,700	2,700,106	29,000
840123	Grout Latrl Annular Space (SC)	-	411,890	-	3,409	-
840124	Smart Cover Inspections (SC)	-	104,600	-	46,473	-
840125	General Inspections (SC)	-	4,829	-	16,556	-
840126	Customer Complaints (SC)	-	50,521	-	16,994	-
840127	Critical Asset Pipes (SC)	-	10,942	-	27,603	-
840128	City Permitting and Insp (SC)	-	57,263	-	25,937	-
840129	Canal Crossing Inspection (SC)	-	11,626	-	1,292	-
840131	Density Testing Inspection(SC)	-	5,474	-	-	-
840201	Air Rel Valve Maint & Ble (SC)	-	41,533	-	105,354	-
840202	Aut Air Rel Valve Install (SC)	-	383	-	2,617	-
840203	Autom Air Rel Valve Rep (SC)	-	79,318	-	94,837	-

**Miami-Dade Water and Sewer Department
GL O&M Expense Analysis by O&M Activity
As of September 30, 2023**

Report Id: WFR018
Run on: 01/16/24 09:35 AM
Source: GL

		Annual Budget 2023	Annual Actual 2023	Annual Budget 2023	Annual Actual 2022	Annual Budget 2022
840204	Dye Tests (SC)	-	42,996	-	25,595	-
840205	Force Main Installation (SC)	-	46,062	-	2,599	-
840206	Force Main Repairs (SC)	2,053,600	1,328,037	2,053,600	1,309,040	2,333,225
840207	Gravity Main Installation (SC)	-	59,862	-	2,010	-
840208	Gravity Main Point Reps (SC)	4,291,016	2,685,607	4,291,016	2,378,483	6,286,438
840209	Lateral Location (SC)	-	-	-	709	-
840210	Lateral Point Repairs (SC)	2,551,200	3,797,569	2,551,200	2,658,051	1,796,500
840211	Maint./Rep-Rep Shop (SC)	288,100	160,919	288,100	202,510	331,000
840212	Manhole Installation (SC)	-	5,633	-	946	-
840213	Manhole-Repairs (SC)	-	642,000	-	931,980	1,560,500
840214	Restoration (SC)	-	1,403,201	-	1,206,161	3,100
840215	Sewer Lateral Inspection (SC)	-	3,450	-	15,094	-
840216	Sewer Lateral Install. (SC)	-	12,619	-	2,831	-
840217	System Valve Exercising (SC)	4,186,398	2,371,541	4,186,398	2,005,018	4,668,358
840218	System Valve Installation (SC)	-	119,649	-	119,621	-
840219	System Valve Repair (SC)	-	16,105	-	13,727	-
840220	I/I Contract - Maint/Repr (SC)	-	-	-	19	-
840221	Special Projects-M&R Sec(SC)	-	18,642	-	(304)	-
840240	Assisting Other Divisions (SC)	-	45,623	-	31,178	-
840241	Smart Cover Maint/Repairs (SC)	-	124,824	-	79,293	-
850129	Metering (SC)	1,050	335	1,050	208	1,350
Sewer Collection		37,229,920	39,364,295	37,229,920	36,064,093	37,073,029
100058	OM Activity - GL use only (SP)	913,965	1,689,707	913,965	2,027,337	906,000
210003	Pump Stations (SP)	-	354,041	-	-	-
225001	Sewer Pumping (SP)	-	738	-	242	282,201
226003	Sewer Pumping (SP)	56,950	1,180	56,950	813	7,750
229001	Sewer Pumping (SP)	-	-	-	12,241	-
260005	Security Services (SP)	660,000	584,081	660,000	581,995	600,000
260120	Communications (SP)	361,849	506,199	361,849	462,949	262,305
350102	Construction Mgmt (SP)	-	30,054	-	19,713	-
520002	Admin. & General (SP)	25,000	10,402	25,000	11,563	24,000
520102	Install. of Elect Equip (SP)	-	3,598	-	-	-
520122	Maint. of Elect Equip (SP)	-	31,723	-	-	-
520301	Fueling/Recovery Deliv (SP)	-	99,948	-	93,620	38,288
520522	Grounds Installs/Landscp (SP)	-	390	-	451	-
520542	Grounds Maint. Services (SP)	171,571	147,540	171,571	232,098	224,164
520622	Install Mech/Hvac-Refr Eq (SP)	-	6,626	-	6,566	-
520642	Maintenance Contracts (SP)	-	-	-	-	500
520662	Maint. of Mech Hvac Equip (SP)	1,550	8,683	1,550	20,296	1,500
520778	Maint. of Plumbing Equip (SP)	119,271	112,932	119,271	65,264	105,201
520872	Misc Projects/Tasks (SP)	-	27,554	-	2,988	-
520902	Carpentry (SP)	-	-	-	540	-
520906	Locksmith Services (SP)	-	-	-	227	-
520914	Painting (SP)	-	-	-	404	-
520922	Structural Misc Task (SP)	718,753	523,591	718,753	315,708	641,870
630112	Hazardous Waste Disposal (SP)	5,000	180,280	5,000	353	5,000
630114	Sewer Pumping (SP)	163,100	44,232	163,100	34,366	87,900
811016	Telemetry/SCADA (SP)	2,306,904	3,119,794	2,306,904	2,712,797	1,082,844
830001	Adm&Gnl (SP)	2,031,630	2,398,199	2,031,630	2,262,349	1,679,656
830002	Adm&Gnl-Admin Support (SP)	775,805	575,899	775,805	598,735	1,938,004
830003	Adm&Gnl-Training (SP)	7,000	58,602	7,000	59,028	25,300
830004	Adm&Gnl-Supv (SP)	105,969	133,745	105,969	129,445	138,836
830005	Adm&Gnl-Other (SP)	307,800	933,227	307,800	994,499	424,309
830100	Odor Control (SP)	-	3,018	-	2,367	-
830101	Odor Ctrl-Maintenance (SP)	-	109,880	-	-	-
830102	Odor Ctrl-Other (SP)	-	1,254	-	-	-
830200	Operations (SP)	-	117,564	-	95,603	-
830201	OP-Shutdowns (SP)	-	2,303	-	-	219
830203	OP-Supv (SP)	1,818,517	2,035,663	1,818,517	1,675,785	909,906

**Miami-Dade Water and Sewer Department
GL O&M Expense Analysis by O&M Activity
As of September 30, 2023**

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		Annual Budget 2023	Annual Actual 2023	Annual Budget 2023	Annual Actual 2022	Annual Budget 2022
830204	OP-Engineering (SP)	-	8,026	-	-	800
830205	OP-Operations (SP)	4,900	-	4,900	155	100
830206	OP-Other (SP)	9,158,308	3,509,738	9,158,308	3,226,648	8,861,755
830300	Equipment (SP)	9,495,000	10,192,740	9,495,000	7,744,067	7,775,100
830301	Equip-Routine (SP)	7,561,650	5,341,749	7,561,650	4,036,312	6,381,638
830302	Equip-Preventive (SP)	1,044,918	1,373,477	1,044,918	1,312,025	980,953
830303	Equip-Predictive (SP)	10,900	3,240	10,900	11,079	9,986
830304	Equip-Corrective (SP)	9,888,700	20,073,677	9,888,700	17,767,161	9,754,688
830305	Equip-Engineering (SP)	2,200	2,668	2,200	326	200
830306	Equip-Supervision (SP)	1,249,298	1,697,699	1,249,298	1,641,946	803,630
830307	Equip-Other (SP)	63,200	426,643	63,200	378,897	550,498
830401	GroundsRoutine (SP)	8,400	6,134	8,400	1,056	7,000
830404	GroundsCorrective (SP)	200	539	200	-	1,000
830405	GroundsEngineering (SP)	-	-	-	-	1,300
830407	GroundsOther (SP)	-	-	-	-	100
830500	Structures (SP)	54,300	166,266	54,300	79,500	52,600
830501	Struct-Routine (SP)	53,400	379,551	53,400	278,611	86,700
830502	Struct-Preventive (SP)	23,000	792,651	23,000	919,128	-
830503	Struct-Predictive (SP)	1,900	-	1,900	-	900
830504	Struct-Corrective (SP)	323,200	717,286	323,200	1,121,678	290,333
830505	Struct-Engineering (SP)	700	-	700	155	-
830506	Struct-Supervision (SP)	687,773	674,935	687,773	647,521	554,029
830507	Struct-Other (SP)	4,105,198	1,737,931	4,105,198	1,636,451	4,010,239
830603	RemAct/Spil-Shutdowns (SP)	-	316	-	-	119
830605	RemAct/Spil-Clean up (SP)	-	1,023	-	112	-
830700	Inspection (SP)	240,948	252,511	240,948	230,738	-
830703	Insp-ET's (SP)	67,900	213,258	67,900	267,122	41,414
830704	Insp-Prop Pump Stations (SP)	5,600	29,185	5,600	26,888	8,771
830705	Insp-Donations (SP)	1,000	413	1,000	-	-
830802	Gas Monit Calib-Materials (SP)	-	-	-	-	128,000
830900	Emergency (SP)	5,600	694	5,600	1,162	22,690
830901	Emerg - Hurrican Preparat (SP)	46,600	114,728	46,600	253,296	7,970
830902	Emerg-Hurricane Recovery (SP)	483,900	56,223	483,900	246,489	-
830904	Emergency - Run Generator (SP)	7,500	7,436	7,500	9,499	30,326
830906	Emergency - OPP (SP)	13,100	-	13,100	14,661	757
830907	Assist other Division (SP)	144,400	114,216	144,400	237,792	80,839
850130	Utilities Monitoring (SP)	1,527,500	1,995,524	1,527,500	1,624,079	1,484,600
850203	Assistance to Other Div (SP)	25,200	-	25,200	-	100
850209	Maint/Rep-Diesel Eqp/Gens(SP)	213,820	580,247	213,820	52,530	100,970
850213	Maint/Rep-Pump Stations (SP)	144,350	191,214	144,350	149,642	153,450
850220	Maint/Rep-Struct/Grounds (SP)	100	-	100	-	100
850222	Underground Piping/Valves (SP)	250	-	250	-	1,150
850226	Telemetry/SCADA (SP)	1,100	-	1,100	-	1,100
850228	Odor Control (SP)	100	-	100	-	1,000
Sewer Pumping		57,216,748	64,514,582	57,216,748	56,337,066	51,572,657
100059	OM Activity - GL use only (ST)	2,777,386	3,090,078	2,777,386	3,675,644	1,738,000
113002	Sewer System Damages (ST)	-	-	-	152,820	117,957
210001	Sewer Trmnt & Disposal (ST)	1,001,500	93,624	1,001,500	(70,653)	3,001,000
220001	Wastewater Sys Activities (ST)	-	1,602	-	-	-
225003	Sewer Treatment Activity (ST)	633,218	442,114	633,218	677,728	489,785
226001	Sewer Treatment Activity (ST)	1,841,458	3,198,661	1,841,458	1,571,598	286,033
227001	Sewer Treatment Activity (ST)	2,900	1,635	2,900	484,801	1,101,532
228001	Sewer Treatment Activity (ST)	639,392	433,851	639,392	249,965	203,657
229002	Sewer Treatment Activity (ST)	-	-	-	1,051,601	1,273,607
260006	Security Services (ST)	2,000,000	1,765,333	2,000,000	1,506,300	2,200,000
330004	Sewer System Damages (ST)	-	180,892	-	7,691	-
350107	Construction Mgmt (ST)	-	306	-	-	-
520302	Fueling/Recovery Deliv (ST)	2,000	93,070	2,000	75,319	8,247
520463	Fire Protection System (ST)	-	79,806	-	53,499	-

**Miami-Dade Water and Sewer Department
GL O&M Expense Analysis by O&M Activity
As of September 30, 2023**

Report Id: WFR018
Run on: 01/16/24 09:35 AM
Source: GL

		Annual Budget 2023	Annual Actual 2023	Annual Budget 2023	Annual Actual 2022	Annual Budget 2022
520501	Grounds Contract Services (ST)	262,453	284,901	262,453	266,697	387,519
520523	Grounds Installs/Landscp (ST)	4,000	42,091	4,000	7,032	5,000
520543	Grounds Maint. Services (ST)	1,634,428	1,421,289	1,634,428	1,377,495	1,511,173
520623	Install Mech/Hvac-Refr Eq (ST)	-	20,457	-	1,896	-
520663	Maint. of Mech Hvac Equip (ST)	447,100	1,201,611	447,100	1,162,400	1,173,886
520873	Misc Projects/Tasks (ST)	-	1,080	-	12,771	-
520974	Rentals-Other Divisions (ST)	-	325,854	-	572,747	-
620001	Sewer Treatment Plant (ST)	-	-	-	(381,752)	2,006,000
630119	Sewer Treatment Plant (ST)	281,100	209,342	281,100	144,399	287,100
640021	Sewer Disposal Monitoring (ST)	500,500	-	500,500	-	-
740001	LabS Treat & Disp Exp (ST)	3,712,430	3,901,274	3,712,430	3,424,133	3,606,589
810003	Sewer Treatment Actv (ST)	709,000	1,117,521	709,000	696,968	600,000
811017	Telemetry/SCADA (ST)	3,866,534	4,259,289	3,866,534	3,135,141	4,500,505
811018	Main/Rep-Rad/Com Eq (ST)	84,000	62,104	84,000	36,238	48,300
811021	Instl/Rep/Cam/Surv Eq (ST)	243,858	285,921	243,858	259,888	212,047
850001	Admin. & General (ST)	40,583,627	51,750,585	40,583,627	49,567,572	36,965,978
850002	Adm&Gnl-CMMS (ST)	421,520	448,572	421,520	418,265	485,197
850003	Adm&Gnl-Supervision (ST)*	-	-	-	-	100
850004	Adm & Gnl-Permitting (ST)	49,700	24,135	49,700	19,396	113,350
850005	CDL Random Testing (ST)	-	300	-	-	100
850006	Training (ST)	19,300	69,073	19,300	36,716	27,934
850103	Emerg Power Generation (ST)	10,200	3,439	10,200	1,859	1,180
850104	Odor Control (ST)	7,908,808	10,386,952	7,908,808	6,429,607	6,802,850
850105	Effluent Pumping (ST)	100	9,769	100	-	1,000
850106	Pumping Stations (ST)	400	-	400	-	2,018
850109	Training (ST)	41,700	2,699	41,700	51,183	44,518
850111	Purchased Treatment (ST)	1,000	-	1,000	-	30,300
850112	Reuse Facility (ST)	250	-	250	-	1,345
850114	Sludge Cons & Diges Ops (ST)	300,200	296,136	300,200	145,202	1,895
850115	Dewatering (ST)	3,055,250	3,243,783	3,055,250	3,264,761	2,975,183
850116	Solids Handling (ST)	9,186,450	9,435,040	9,186,450	9,936,789	9,107,319
850117	Headworks (ST)	100	-	100	-	100
850119	Secondary Clarification (ST)	1,150	5,305	1,150	13,130	1,840
850120	O2 Generation (ST)	409,470	427,228	409,470	1,117,696	303,010
850121	Non Emer Power Generation (ST)	342,607	278,252	342,607	194,681	245,049
850122	Final Station (ST)	200	-	200	1,209	200
850123	Deep Well Injection (ST)	2,300,200	1,991,630	2,300,200	-	31,100
850124	Tanker Duty (ST)	-	-	-	(1,457)	590
850125	Biosolids Processing (ST)	350	-	350	-	350
850127	Vessel Cleaning (ST)	180,520	197,282	180,520	384,235	47,720
850128	Special Projects (ST)	86,200	32,266	86,200	57,982	126,717
850202	Other Maintenance (ST)	496,470	997,428	496,470	651,343	562,310
850204	Assistance to Other Div (ST)	3,900	10,983	3,900	18,085	28,030
850206	Emerg Actv/Emg Gen-Stby (ST)	1,300	241,979	1,300	222,472	204,302
850208	Maint/Rep-Co-Generation(ST)	737,214	1,218,004	737,214	1,178,972	802,648
850210	Maint/Rep-Diesel Eqp/Gens(ST)	3,288,955	2,959,359	3,288,955	2,627,210	2,858,534
850211	Maint/Rep-Plant Equipment (ST)	17,623,315	23,010,510	17,623,315	20,113,792	16,482,866
850212	Maint/Rep-Instr/Ctrls/Mtrs(ST)	282,910	376,780	282,910	398,254	304,120
850214	Maint/Rep-Pump Stations (ST)	550	3,184	550	-	1,900
850215	Maint/Rep-Radio/Comm (ST)	300	-	300	-	300
850216	Maint/Rep-Cryogenic Plant (ST)	214,550	43,871	214,550	199,799	238,138
850217	Maint/Rep-Sldg Concnt/Digs(ST)	196,850	40,694	196,850	94,007	324,081
850218	Maint/Rep-Sldg Dewatering(ST)	136,000	28,471	136,000	34,747	3,454,730
850219	Maint/Rep-Sludge Handling (ST)	24,350	3,988	24,350	10,697	14,500
850221	Maint/Rep-Struct/Grounds (ST)	4,509,907	4,146,133	4,509,907	4,104,970	4,234,252
850223	Underground Piping/Valves (ST)	142,386	70,124	142,386	122,581	251,339
850225	Remedial Action/Spills (ST)	200	-	200	-	1,100
850227	Telemetry/SCADA (ST)	100	55,355	100	44,107	100
850230	Special Projects (ST)	3,523,547	3,555,449	3,523,547	3,256,279	2,992,126
Sewer Treatment and Disposal		116,725,368	137,878,464	116,725,368	124,868,509	114,830,257

**Miami-Dade Water and Sewer Department
 GL O&M Expense Analysis by O&M Activity
 As of September 30, 2023**

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	Annual Budget 2023	Annual Actual 2023	Annual Budget 2023	Annual Actual 2022	Annual Budget 2022
TOTAL O&M EXPENSES	515,305,260	538,315,903	515,305,260	509,513,537	497,400,775
TOTAL DIRECT O&M WASTEWATER SYSTEM EXPENSES (SC, SP, ST)		241,757,340		217,269,667	
		Oct-Sep FY 2023 Pre-Audit		Oct-Sep FY 2022 Final	

Miami-Dade Water and Sewer Department
Wastewater Capital Expenditures by Project/Sub-Projects
Fiscal Year 23 Actuals (October - September 2023)

WASD Project #	OMB Project Name	WASD Subproject #	WASD Subproject Name	Total Fiscal Year Expenditures 10/2022 to 9/2023
1002	NORTH DISTRICT WASTEWATER TREATMENT PLANT PROJECTS	101947	NDWWTP FA MONITORING WELLS TO MEET FDEP REQ.	\$ 93,369.25
1002	NORTH DISTRICT WASTEWATER TREATMENT PLANT PROJECTS	102220	NT-3C - NDWWTP - EDB # 3 (Replacement Electrical Bldg.)(WIFIA 2)	\$ 2,939,308.50
1002	NORTH DISTRICT WASTEWATER TREATMENT PLANT PROJECTS	102221	NDWWTP EFFLUENT PUMP STATION AND ELECTRICAL ANNEX	\$ 8,302.76
1003	CENTRAL DISTRICT WASTEWATER TREATMENT PLANT PROJECTS	102205	2.21.02 PS 1 SEAWALL AND HARDENING PROJECT (FEMA)	\$ 79,598.35
1003	CENTRAL DISTRICT WASTEWATER TREATMENT PLANT PROJECTS	102206	CD2.22.02 - PS 2 BEAUTIFICATION AND HARDENING CITY OF MIAMI (FEMA)	\$ 383,025.11
1003	CENTRAL DISTRICT WASTEWATER TREATMENT PLANT PROJECTS	102223	CDWWTP - STORM HARDENING OF NEW HYPOCHLORITE BUILDING. MWH PLANS ALREADY AT 90% READY FOR PERMITTING	\$ 4,797.84
1003	CENTRAL DISTRICT WASTEWATER TREATMENT PLANT PROJECTS	103024	CT-4 - CDWWTP - NEW MATERIALS MANAGEMENT BUILDING	\$ 677,236.03
1006	SOUTH DISTRICT WASTEWATER TREATMENT PLANT PROJECTS	102102	SDWWTP FA MONITORING WELL REPLACEMENT	\$ 2,319,540.58
1007	SOUTH DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT	102184	SDWWTP FOG RECOVERY STATION	\$ 6,178,973.17
1007	SOUTH DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT	103050	SDWWTP- POLYMER BUILDING AND MAIN SWITCH GEAR BUILDING HVAC	\$ 65,609.45
1008	NORTH DISTRICT FORCEMAIN NETWORK REHABILITATION AND UPGRADES	101768	Transmission Line Replacement in the North Regional Service Area	\$ 685,542.98
1008	NORTH DISTRICT FORCEMAIN NETWORK REHABILITATION AND UPGRADES	101924	INSTALLATION OF A REDUNDANT SEWER FM FROM WEST SIDE OF INTERCOASTAL WATERWAY AT NE 163 ST TO NDWWTP	\$ 189,792.65
1008	NORTH DISTRICT FORCEMAIN NETWORK REHABILITATION AND UPGRADES	101985	LEHMAN CAUSEWAY	\$ 3,154,881.24
1008	NORTH DISTRICT FORCEMAIN NETWORK REHABILITATION AND UPGRADES	102072	NL-1A TO PHASE 1 & 2: 60" FM FROM BISCAIYNE BLVD. TO N. MIAMI AVE. Phase 1 & 2	\$ 17,901,681.98
1008	NORTH DISTRICT FORCEMAIN NETWORK REHABILITATION AND UPGRADES	102245	OJUS SANITARY SEWER WITHIN THE OJUS URBAN AREA DISTRICT (DIRECTOR)	\$ 2,865,817.88
1008	NORTH DISTRICT FORCEMAIN NETWORK REHABILITATION AND UPGRADES	103018	REPLACE 18" DIP FM FROM PS 499 NORTH ON ISLAND BLVD TO PS 471	\$ 1,685,672.35
1008	NORTH DISTRICT FORCEMAIN NETWORK REHABILITATION AND UPGRADES	103031	SNAKE CREEK TRANSMISSION MAIN	\$ 176,528.78
1008	NORTH DISTRICT FORCEMAIN NETWORK REHABILITATION AND UPGRADES	103032	AVENTURA TRANSMISSION MAIN	\$ 760,017.78
1008	NORTH DISTRICT FORCEMAIN NETWORK REHABILITATION AND UPGRADES	103036	FORCE MAIN REPLACEMENT FROM PS0491 TO MANHOLE ON 137 AT COLLINS AVE.	\$ 48,737.76
1009	CENTRAL DISTRICT FORCEMAIN NETWORK REHABILITATION AND UPGRADES- INCLUDES CONNECT TO PROTECT	103035	CONNECT TO PROTECT - CONVERSION PROJECT 12,000 HOMES - PHASE 1	\$ 1,926,929.77
1010	SOUTH DISTRICT FORCEMAIN NETWORK REHABILITATION AND UPGRADES	102208	FORCEMAIN REHABILITATION AND REPLACEMENT PROGRAM (previously Rehab of 2.5mi of 54-in pipe 4.05 (2))	\$ 505,277.71
1011	FLOW REDUCTION PROGRAM (FRP)	100050	REHABILITATION OF SEWER MAINS DUE TO I/I - SECTIONAL LINING	\$ 1,926,229.59
1011	FLOW REDUCTION PROGRAM (FRP)	100890	REHABILITATION OF SEWER MAINS DUE TO I/I - CURED-IN-PLACE LINING	\$ 294,178.74
1011	FLOW REDUCTION PROGRAM (FRP)	102800	REHABILITATION OF SEWER MAINS - Dig and Replace, (Previously called Collection System I/I Repairs)	\$ 3,975,074.11
1011	FLOW REDUCTION PROGRAM (FRP)	103019	REHABILITATION OF SEWER MAINS - CIPP for WPO	\$ 602,245.45
1011	FLOW REDUCTION PROGRAM (FRP)	103020	REHABILITATION OF SEWER MAINS - Basin 1 - All Technologies	\$ 161,491.84
1011	FLOW REDUCTION PROGRAM (FRP)	103028	REHABILITATION OF SEWER MAINS - Basin 2 - All Technologies	\$ 725,944.84
1013	WASTEWATER FACILITIES MAINTENACE, UPGRADES AND STORM/CONNECTIVITY IMPROVEMENTS	101461	WASTEWATER- STORM SHELTER AND PRIMARY CONTROL CENER	\$ 776,023.39

WASD Project #	OMB Project Name	WASD Subproject #	WASD Subproject Name	Total Fiscal Year Expenditures 10/2022 to 9/2023
1013	WASTEWATER FACILITIES MAINTENANCE, UPGRADES AND STORM/CONNECTIVITY IMPROVEMENTS	103005	SOUTH MIAMI HEIGHTS TRAILER INSTALLATION AND SITE DEVELOPMENT	\$ 149,307.97
1018	PEAK FLOW MANAGEMENT FACILITIES	101774	FORCE MAIN IN DORAL 36-INCH DIAMETER SANITARY SEWER FM IN 107 AVE.- FROM NW 7 St. TO NW 25 STREET	\$ 1,283,700.43
1018	PEAK FLOW MANAGEMENT FACILITIES	102034	LAND ACQUISITION FOR WDWWTW (WDWRRF) (WT-1L)	\$ (583.00)
1018	PEAK FLOW MANAGEMENT FACILITIES	102194	WASTEWATER MASTER PLAN	\$ 442,579.22
1019	SANITARY SEWER SYSTEM EXTENSION	100877	SANITARY SEWER SYSTEM EXTENSION	\$ 1,946,551.59
1019	SANITARY SEWER SYSTEM EXTENSION	101733	SANITARY SEWER SYSTEM EXTENSION FOR JPA's	\$ 238,733.61
1021	PUMP STATION GENERATORS AND MISCELLANEOUS UPGRADES	103021	HARDENING OF 10 PUMP STATIONS (PS 54,112,300,311,348,536,683,1043,1044, 1310) (FEMA)	\$ 139,708.93
1023	WASTEWATER TELEMETERING SYSTEM	100621	TELEMETERING SYSTEM - WASTEWATER	\$ 23,681.46
1024	WASTEWATER SYSTEM MAINTENANCE AND UPGRADES	100622	WASTEWATER SYSTEM UPGRADES	\$ 24,336,507.87
1025	LIFT STATION UPGRADES AND STRUCTURAL MAINTENANCE IMPROVEMENTS	100623	LIFT STATION STRUCTURAL MAINTENANCE & UPGRADES	\$ 5,301,869.16
1027	WASTEWATER EQUIPMENT AND VEHICLES	100625	MISCELLANEOUS TOOLS AND EQUIPMENT	\$ 52,981.53
1027	WASTEWATER EQUIPMENT AND VEHICLES	101729	VEHICLES/TRANSPORTATION EQUIPMENT	\$ 3,299,392.48
1027	WASTEWATER EQUIPMENT AND VEHICLES	101730	HEAVY CONSTRUCTION EQUIPMENT	\$ 2,923,364.89
1029	WASTEWATER TREATMENT PLANTS REPLACEMENT AND RENOVATION	100627	WASTEWATER TREATMENT PLANTS REHABILITATION	\$ 24,351,088.13
1029	WASTEWATER TREATMENT PLANTS REPLACEMENT AND RENOVATION	101732	SECURITY PROJECTS	\$ 591,949.83
1040	OCEAN OUTFALL LEGISLATION PROGRAM	101867	CT-2A-1 - HLD Facilities (WIFIA 4)	\$ 557,297.64
1040	OCEAN OUTFALL LEGISLATION PROGRAM	102006	NT-2C - NDWWTP - HLD Facilities (WIFIA 4)	\$ 2,166,573.86
1040	OCEAN OUTFALL LEGISLATION PROGRAM	102007	NE-2 - NDWWTP - Municipal Injection Wells (WIFIA 1)	\$ 28,671,358.54
1040	OCEAN OUTFALL LEGISLATION PROGRAM	102008	NE-1 - NDWWTP - Municipal Injection Well PS (WIFIA 4)	\$ 2,277,688.56
1040	OCEAN OUTFALL LEGISLATION PROGRAM	102009	CE-1 - CDWWTP - Municipal Injection Well PS (WIFIA 4)	\$ 1,367,006.32
1040	OCEAN OUTFALL LEGISLATION PROGRAM	102010	CE-2 - CDWWTP - Municipal Injection Wells (WIFIA 1)	\$ 9,920,738.14
1040	OCEAN OUTFALL LEGISLATION PROGRAM	102080	NT-3 - NDWWTP - EDB # 2 (Electrical Bldg. for HLD)(WIFIA 2)	\$ 578,868.52
1040	OCEAN OUTFALL LEGISLATION PROGRAM	102096	CDWWTP PUMP STATION FOR CENTRATE WELL (CE-3)	\$ 222,491.18
1040	OCEAN OUTFALL LEGISLATION PROGRAM	102138	OWNERS REPRESENTATIVE SERVICES FOR OOL PROGRAM AND WASTEWATER SYSTEM	\$ (357,846.34)
1040	OCEAN OUTFALL LEGISLATION PROGRAM	102222	CT-3C-A - CDWWTP - EDB #2 (HLD)(WIFIA 2)	\$ 1,950,946.97
1040	OCEAN OUTFALL LEGISLATION PROGRAM	103006	CDWWTP - Preliminary Site Preparation (CT-2B)	\$ 65,560.12
1040	OCEAN OUTFALL LEGISLATION PROGRAM	103007	CT-3B - CDWWTP - O2 Train and Secondary Clarifiers (WIFIA 4)	\$ 182,470.66
1040	OCEAN OUTFALL LEGISLATION PROGRAM	103014	NT-2B- NDWWTP - Site Prep & Stormwater (WIFIA 4)	\$ 345,372.56
1040	OCEAN OUTFALL LEGISLATION PROGRAM	103042	CE-5 Additional Municipal Injection Wells (WIFIA 3)	\$ 5,633,136.23
1041	GENERAL OBLIGATION BOND (GOB)	103037	WASTEWATER INFRASTRUCTURE REPLACEMENT UPGRADE - GOB	\$ 865,676.32
1042	WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS	101967	WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS	\$ 4,578.45
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102501	SDWWTP - Oxygen Production	\$ 2,422,461.96
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102503	SDWWTP - Chlorine Building	\$ 299,825.79
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102504	SDWWTP - Effluent Pump Station	\$ 840,279.36
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102506	SDWWTP - Digesters and Control Buildings	\$ 4,886,156.01
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102507	SDWWTP - Dewatering Facility	\$ 15,091,625.64
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102509	SDWWTP - Odor Control	\$ 2,358,471.13
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102510	SDWWTP - General Electrical	\$ 3,890,117.40
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102600	CDWWTP - Electrical Improvements	\$ 338,020.39
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102602	CDWWTP - Headworks Plant 1	\$ 49,038.68
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102603	CDWWTP - Headworks Plant 2	\$ 2,681.95

WASD Project #	OMB Project Name	WASD Subproject #	WASD Subproject Name	Total Fiscal Year Expenditures 10/2022 to 9/2023
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102606	CDWWTP - Secondary Clarifiers Plant 1	\$ 22,881.27
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102607	CDWWTP - Secondary Clarifiers Plant 2	\$ 1,506,293.25
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102608	CDWWTP - RS Pump Stations Plant 1	\$ 545.73
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102609	CDWWTP - RS Pump Stations Plant 2	\$ 1,480,407.44
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102610	CDWWTP - Effluent Pump Station	\$ 116,096.99
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102614	CDWWTP - Digesters Plant 2	\$ 7,924.86
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102615	CDWWTP - Dewatering Building	\$ 22,912,887.63
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102616	CDWWTP - Chlorination Facilities	\$ 697.47
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102618	CDWWTP - Co-Gen Facility	\$ 1,659,414.19
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102620	CDWWTP - Pump Station 1	\$ 27,694.31
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102621	CDWWTP - Pump Station 2	\$ 485,420.92
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102624	CDWWTP -Ventilation Improvements	\$ 388.42
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102625	CDWWTP - REHABILITATION OF WALKWAYS AND STAIRWAYS	\$ 47,065.39
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102626	CDWWTP - Oxygen Production	\$ 731,677.07
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102628	CONSENT DECREE PROGRAM MANAGEMENT & CONSTRUCTION MANAGEMENT	\$ (8,882,560.32)
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102700	NDWWTP - Headworks and Sludge Degritting Transfer	\$ 16,705.98
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102701	NDWWTP - Primary Clarifiers and Odor Control	\$ 5,971,572.04
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102703	NDWWTP - Oxygen Production	\$ 178,394.94
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102704	NDWWTP - Secondary Clarifiers	\$ 5,077,540.21
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102705	NDWWTP - Disinfection	\$ 1,359,797.95
1045	CONSENT DECREE: WASTEWATER COLLECTION AND TRANSMISSION LINES PROJECTS	102808	Replace Approximately 25 miles of AC force mains	\$ 21,486.74
1045	CONSENT DECREE: WASTEWATER COLLECTION AND TRANSMISSION LINES PROJECTS	102809	Opa-Locka Airport 48" PCCP force main replacement	\$ 14,156.52
1046	CONSENT DECREE: SEWER PUMP STATION PROJECTS	102902	Upgrade of PS#0692	\$ 308,383.41
1046	CONSENT DECREE: SEWER PUMP STATION PROJECTS	102903	Replacement of Switchgear PS#0414	\$ 172,670.55
1046	CONSENT DECREE: SEWER PUMP STATION PROJECTS	102908	Replacement of Plumbing and Electrical Equipment at PS#0301	\$ 437,658.71
1046	CONSENT DECREE: SEWER PUMP STATION PROJECTS	102911	Replacement of Switchgear at PS#0187	\$ 5,243.35
1046	CONSENT DECREE: SEWER PUMP STATION PROJECTS	102916	Upgrade of PS #0037, 0351, 0370, 0403	\$ 53,195.35
1047	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT (CONNECT 2 PROTECT PROGRAM)	103000	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT - GRAVITY AND FORCE MAINS	\$ 7,427,091.43
1047	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT (CONNECT 2 PROTECT PROGRAM)	103001	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT - PUMP STATIONS	\$ 1,398,116.22
1048	SOUTH DISTRICT EXPANSION WASTEWATER TREATMENT PLANT CAPACITY	102055	ST-1B - SDWWTP - Step Feed & Oxygenation Train Rehab(WIFIA 3)	\$ 30,381,497.53
1048	SOUTH DISTRICT EXPANSION WASTEWATER TREATMENT PLANT CAPACITY	102056	ST-2A SDWWTP - Headworks and Oxygenation Train(WIFIA 3)	\$ 34,497,704.84

WASD Project #	OMB Project Name	WASD Subproject #	WASD Subproject Name	Total Fiscal Year Expenditures 10/2022 to 9/2023
1048	SOUTH DISTRICT EXPANSION WASTEWATER TREATMENT PLANT CAPACITY	102150	SE-2 - SDWWTP - Municipal Injection Wells (WIFIA 1)	\$ 662,718.24
1048	SOUTH DISTRICT EXPANSION WASTEWATER TREATMENT PLANT CAPACITY	103009	SDWWTP - Chlorine Contact & Wells PS (ST-2C)(WIFIA 3)	\$ 10,901,724.48
1048	SOUTH DISTRICT EXPANSION WASTEWATER TREATMENT PLANT CAPACITY	103010	SDWWTP - Clarifiers and HLD (ST-2B)(WIFIA 3)	\$ 37,836,804.93
1048	SOUTH DISTRICT EXPANSION WASTEWATER TREATMENT PLANT CAPACITY	103011	SDWWTP - Electrical Building (ST-2D-A)(WIFIA 2)	\$ 41,213,086.08
1048	SOUTH DISTRICT EXPANSION WASTEWATER TREATMENT PLANT CAPACITY	103015	ST- 2E - SDWWTP - RAS Piping(WIFIA 3)	\$ 225,413.46
1048	SOUTH DISTRICT EXPANSION WASTEWATER TREATMENT PLANT CAPACITY	103041	ST-2D-B - SDWWTP - Substations 5/6 & 15/16 (WIFIA 2)	\$ 13,601,613.28
1049	PUMP STATION REHABILITATION AND RESILIENCE PROGRAM (PSRRP)	101454	PUMP STATION IMPROVEMENT PROGRAM	\$ 3,400,288.25
1049	PUMP STATION REHABILITATION AND RESILIENCE PROGRAM (PSRRP)	101837	REPLACEMENT OF MOTOR CONTROL CENTERS AND SWITCHGEAR AT REGIONAL PUMP STATIONS	\$ 17,853.84
1049	PUMP STATION REHABILITATION AND RESILIENCE PROGRAM (PSRRP)	101934	REPLACEMENT OF VARIABLE FREQUENCY DRIVES (VFD)	\$ 42,786.86
1049	PUMP STATION REHABILITATION AND RESILIENCE PROGRAM (PSRRP)	102045	P.S. 2 BASIN UPGRADE - PHASE 1 LOCAL	\$ 201,303.57
1049	PUMP STATION REHABILITATION AND RESILIENCE PROGRAM (PSRRP)	102126	RELOCATION OF PUMP STATIONS	\$ 303,755.02
1049	PUMP STATION REHABILITATION AND RESILIENCE PROGRAM (PSRRP)	102160	CONVERSION OF CAN PUMP STATIONS TO SUBMERSIBLE	\$ 1,902,881.82
1049	PUMP STATION REHABILITATION AND RESILIENCE PROGRAM (PSRRP)	102163	PS NO. 0559 - REPLACEMENT OF MECH & ELECTRICAL EQUIPMENT	\$ 23,797.93
1049	PUMP STATION REHABILITATION AND RESILIENCE PROGRAM (PSRRP)	102192	OUT OF COMPLIANCE PUMP STATIONS	\$ 6,620,168.21
1049	PUMP STATION REHABILITATION AND RESILIENCE PROGRAM (PSRRP)	102201	PS#0300 - REPLACEMENT OF MECHANICAL & ELECTRICAL EQUIPMENT	\$ 73,328.06
1049	PUMP STATION REHABILITATION AND RESILIENCE PROGRAM (PSRRP)	102202	PS# 425 FEMA - REPLACEMENT OF ELECTRICAL AND MECHANICAL EQUIPMENT (previously for PS# 306)	\$ 220,538.56
1049	PUMP STATION REHABILITATION AND RESILIENCE PROGRAM (PSRRP)	103022	Pump Station Upgrades due to Aging Infrastructure	\$ 402,672.99
ewater Grand Total				\$ 425,912,045.99

Appendix D
Supplemental Environmental Project:
Connection Database

Folio	Address	Owner	Folio Number	Property Type	ACCOUNT IN CC&B	TYPE OF ACCT	NORC Letter Sent	NORC No.	Connection deadlines	Connected	Violation Number & Type	Certified Receipt Confirmation Number (USPS)	C. Date of Delivery	RER Received C Returned Card	Notes
FOLIO 74	2717 NW 34 ST MIAMI FL 33142	SITE INVEST LLC	3031270010860	INDUSTRIAL	YES	WAREHOUSE	YES	5119	7/29/2019	P2020032908 – final 6/3/20)					
PHASE 1	3255 NW 38 ST MIAMI FL 33142	DANDY SAND INVESTMENTS LLC	3031210140580	INDUSTRIAL	NO	N/A	YES	5601		C2019113753 - P2019069995					
PHASE 1	3298 NW 38 ST MIAMI FL 33142	3 CS DEVELOPMENT GROUP LLC	3031210140430	INDUSTRIAL	NO	N/A	YES	5602		N/A Total demo C2019101607 - P2020014854	#F2008108198 & #F2018004650				9020 FAILURE TO OBTAIN 40 YR. BUILDING RE-CERTIFICATION: SEC. 8-11 (f) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE 9007 THE ELECTRICAL OR MECHANICAL INSTALLATIONS OR SYSTEMS CREATE A HAZARDOUS CONDITION: SEC. 8-5 (b)(2)(v) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE
PHASE 1	3251 NW 38 ST MIAMI FL 33142	FELIX SERVELLO	3031210140570	INDUSTRIAL	YES / 6039923200	WAREHOUSE	YES	5603		C2022021907 - P2022029981					
PHASE 1	3200 NW 38 ST MIAMI FL 33142	ROGELIO E MULLER	3031210140530	INDUSTRIAL	YES / 2565226322	OFFICE & WAREHOUSE	YES	5604		C2022026616 - P2022017820					
PHASE 1	3800 NW 38 ST MIAMI FL 33142	FRANK DE LA OLIVA	3031210140540	INDUSTRIAL	YES / 3165526200	WAREHOUSE	YES	5605		C2019192870 - P2019076186					
PHASE 1	3241 NW 38 ST MIAMI FL 33142	SCANDINAVIAN DEVELOPMENT LLC	3031210140460	INDUSTRIAL	NO	N/A	YES	5606		C2019045141 - P2019026728					
FOLIO 6	3800 NW 35 AVE MIAMI FL 33412	ELEVATOR CONSTRUCTIONS LOCAL 71 HOLDING CO INC	3031210001251	INDUSTRIAL	YES	WAREHOUSE	YES	5872	3/8/2019	C2020013993 – P2020048565		7017 2400 0000 7831 3926	No Date of Signature	3/22/2019	
FOLIO 41	3175 NW 37 ST MIAMI FL 33142	AUTOMOTIVE PROPERTIES WEST LLC C/O TRACY SEIDLE	3031210030070	INDUSTRIAL	YES	VEHICLE DEALER	YES	5873	3/8/2020	C2019196856 – P2020001215		7017 2400 0000 7831 3919	3/22/2019	4/9/2019	
FOLIO 3	3705 NW 35TH AVE MIAMI FL 33412	AV 3705 LLC	3031210360550	INDUSTRIAL	YES	STORE	YES	5875	6/6/2019		F2017003536 (Unsafe Structure)	7017 2400 0000 7831 3933	No Date of Signature	3/22/2019	Property was sold and NORC was resent to the current property owner (AV 3705 LLC. Attn: Alba Rodriguez. 9 Palmetto Drive Miami Springs, FL 33166) NORC Sent on 11/13/19 9020 FAILURE TO OBTAIN 40 YR. BUILDING RE-CERTIFICATION: SEC. 8-11 (f) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE
FOLIO 9	3455 NW 37 ST MIAMI FL 33412	HEMBLY O EULER	3031210360551	INDUSTRIAL	YES	VEHICLE REPAIR	YES	5876		C2019188710 – P2019063213		7017 2400 0000 7831 3940	4/1/2019	4/4/2019	
FOLIO 11	3375 NW 37 ST MIAMI FL 33412	FELIPE VISSER JTRS WILLIAN LLOYD JTR	3031210360570	INDUSTRIAL	YES	FACTORY	YES	5877		C2019209631 – P2019078753		7017 2400 0000 7831 3957	Unknown	4/4/2019	
FOLIO 8	3370 NW 37 ST MIAMI FL 33412	ART BY GOD INC	3031210360680	INDUSTRIAL	YES	WAREHOUSE	YES	5878		C2019086261 – P2019032110					
FOLIO 20	3300 NW 37 ST MIAMI FL 33412	ART BY GOD INC	3031210360620	INDUSTRIAL	YES	WAREHOUSE	YES	5879		CONNECTED, CURRENT WASD W&WW ACC#8146756913		7017 2400 0000 7831 3964	3/20/2019	4/4/2019	
FOLIO 2	3691 NW 35TH AVE MIAMI FL 33412	PELMENI LLC	3031210360690	INDUSTRIAL	YES	APTS	YES	5880		N/A, bldg. demolished, permit #P2019032875					
FOLIO 55	4001 NW 32 AVE MIAMI FL 33412	BOB W YOUNG & W CAROL	3031210430050	INDUSTRIAL	YES	WAREHOUSE	YES	5881			#G20170183167				Second floor created inside single story building 9006 THERE IS AN UNUSUAL SAGGING OR LEANING OUT OF PLUMB OF THE STRUCTURE OR ANY PARTS OF THE STRUCTURE AND SUCH EFFECT IS CAUSED BY DETERIORATION OR OVER-STRESSING: SEC. 8-5 (b)(2)(iv) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE
FOLIO 46	3801 NW 32 AVE MIAMI FL 33412	RICARDO M VISBAL & MARIA ALFONSO	3031210030030	COMMERCIAL	YES	VEHICULE REPAIR	YES	5882	7/24/2019	C2019160563 – P2019061872		7017 2400 0000 7831 8327	5/2/2019	5/7/2019	
FOLIO 44	3190 NW 38 ST MIAMI FL 33412	RICARDO R ORGAZ & W JANET	3031210030060	COMMERCIAL	YES	WAREHOUSE	YES	5883		C2019209260 – P2019081259		7017 2400 0000 7831 3995	4/1/2019	4/4/2019	
FOLIO 43	3701 NW 32 AVE MIAMI FL 33412	3701 NW 32ND AVE LLC	3031210030061	COMMERCIAL	YES	WAREHOUSE	YES	5884	3/21/2020	C2019183844 – P2019066614		7017 2400 0000 7831 4008	Unknown	4/4/2019	
FOLIO 84	3275 NW 36TH ST MIAMI FL 33142	BP 36TH STREET PROPERTY INC	3031210140210	INDUSTRIAL	NO		YES	5885	3/21/2020	C2022062801 - Permit 2022032036 (plans for Demo)	F2015000542 (Unsafe Structure)	7017 2400 0000 7831 4015	No Date of Signature	4/4/2019	9010 WORK DONE WITHOUT PERMIT OR WITH EXPIRED PERMIT: SEC. 8-5 (a)(3) AND 8-5 (b)(3)(i) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE 9020 FAILURE TO OBTAIN 40 YR. BUILDING RE-CERTIFICATION: SEC. 8-11 (f) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE 9015 DANGEROUS TO HUMAN LIFE AND WELFARE: SEC. 8-5 (a)(2) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE
FOLIO 34	3200 NW 37 ST MIAMI FL 33412	O REILLY AUTOMOTIVE STORES INC	3031210140290	INDUSTRIAL	YES	WAREHOUSE	YES	5886	3/21/2020	C2019151023 – P2019033962	F2018004644 (Unsafe Structures)	7017 2400 0000 7831 4022	No Date of Signature	4/4/2019	9020 FAILURE TO OBTAIN 40 YR. BUILDING RE-CERTIFICATION: SEC. 8-11 (f) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE 9007 THE ELECTRICAL OR MECHANICAL INSTALLATIONS OR SYSTEMS CREATE A HAZARDOUS CONDITION: SEC. 8-5 (b)(2)(v) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE 9010 WORK DONE WITHOUT PERMIT OR WITH EXPIRED PERMIT: SEC. 8-5 (a)(3) AND 8-5 (b)(3)(i) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE
FOLIO 47	3211 NW 37 ST MIAMI FL 33412	NIBERTO L MORENO TRS NIBERTO MORENO TRUST	3031210140330	INDUSTRIAL	YES	STORE	YES	5887	3/21/2020	C2019209278 – P2019081284		7017 2400 0000 7831 4039	3/27/2019	4/4/2019	
FOLIO 45	3235 NW 37 ST MIAMI FL 33412	ROJASFANK CORPORATION	3031210140350	INDUSTRIAL	YES	WAREHOUSE	YES	5888	3/21/2020		NOSA issued on 03/21/2019	7017 2400 0000 7831 4046	Unknown		2019-ALLOCATION-00607 - NORC 5888
FOLIO 35	3245 NW 37 ST MIAMI FL 33412	MONSTER VENTURES LLC	3031210140360	INDUSTRIAL	YES	WAREHOUSE	YES	5889	3/21/2020	Enforcement (ENF) - Connected, C2021147262 - P2021074465		7017 2400 0000 7831 4053	4/1/2019	4/4/2019	
FOLIO 21	3271 NW 37 ST MIAMI FL 33412	38 MIAMI INVESTMENTS LLC	3031210140390	INDUSTRIAL	YES	WAREHOUSE	YES	5890	3/21/2020	ENF - Connected, C2021147276 P2021074464		7017 2400 0000 7831 4060	3/27/2019	4/9/2019	

Folio	Address	Owner	Folio Number	Property Type	ACCOUNT IN CC&B	TYPE OF ACCT	NORC Letter Sent	NORC No.	Connection deadlines	Connected	Violation Number & Type	Certified Receipt Confirmation Number (USPS)	C. Date of Delivery	RER Received C Returned Card	Notes
FOLIO 23	3820 NW 32 AVE MIAMI FL 33412	LR & EA LLC	3031210140620	INDUSTRIAL	YES	VEHICLE PAINT	YES	5891	7/8/2019	C2022169952 - Permit 2022055697		7017 2400 0000 7831 8129	4/17/2019	5/1/2019	
FOLIO 24	3816 NW 32 AVE MIAMI FL 33412	ELLEND AND EDDY INVEST CORP.	3031210140630	INDUSTRIAL	YES	WAREHOUSE	YES	5892	4/11/2020		Expired Process (C2020082064) - No Permit issued	7017 2400 0000 7831 8136	4/17/2019	5/1/2019	
FOLIO 29	3812 NW 32 AVE MIAMI FL 33412	MICHAEL C GARDNER	3031210140640	INDUSTRIAL	YES	WAREHOUSE	YES	5893	4/11/2020	C2020102449 P2020055310: Connected		7017 2400 0000 7831 8143	No Date of Signature	4/23/2019	
FOLIO 30	3808 NW 32 AVE MIAMI FL 33412	3808 PROP LLC	3031210140650	INDUSTRIAL	NO		YES	5894	4/11/2020	C2021077726 - P2022001150	#20200201375	7017 2400 0000 7831 8150	4/17/2019	4/23/2019	105.1 VIOLATIONS(S): Installation of plumbing pump system connected to well, mechanical duct work, and electrical circuit for well pump inside warehouse area and Electrical Service.
FOLIO 39	3900 NW 32 AVE MIAMI FL 33412	FIORELLA PERFUMES CORP	3031210140680	INDUSTRIAL	NO		YES	5895	4/11/2020		F2011111458 (Unsafe Structure)	7017 2400 0000 7831 8167	5/3/2019		9010 WORK DONE WITHOUT PERMIT OR WITH EXPIRED PERMIT: SEC. 8-5 (a)(3) AND 8-5 (b)(3)(i) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE 40 year Certificated issues 12/30/19
FOLIO 38	3904 NW 32 AVE MIAMI FL 33412	SAMUEL T VIVANO 111 SARA V ROLLEY	3031210140690	INDUSTRIAL	NO		YES	5896	7/24/2019	Connected, C2021167248 P2021079072		7017 2400 0000 7831 8341	5/6/2019	5/14/2019	
FOLIO 32	3908 NW 32 AVE MIAMI FL 33412	SAMUEL T VIVANO III SARA V ROLLEY	3031210140700	INDUSTRIAL	NO		YES	5897	4/17/2020	Connected, C2021171725 P2022004458	#20200201298 & #20200201299	7017 2400 0000 7831 8174	4/25/2019	5/6/2019	Missing ground electrode at electric service. SEVERAL UNFIRED PRESSURE VESSELS (AIR COMPRESSORS) INSTALLED IN WAREHOUSES WITHOUT THE REQUIRED PERMITS
FOLIO 31	3914 NW 32 AVE MIAMI FL 33412	SEDINA 3914 LLC	3031210140710	INDUSTRIAL	YES	WAREHOUSE	YES	5898	4/25/2020			7017 2400 0000 7831 8334	No Date of Signature	5/6/2019	ENF - C2019231320 in process; UCVN will be issue on the week of 01/08/2024
FOLIO 26	3916 NW 32 AVE MIAMI FL 33412	MIAMI DADE EXPRESSWAY	3031210140720	INDUSTRIAL	YES	WAREHOUSE	YES	5899	4/17/2020		F2007107549 (Unsafe Structure)	7017 2400 0000 7831 8181	4/22/2019	5/1/2019	9004 DETERIORATED STRUCTURE OR STRUCTURAL PARTS: SEC. 8-5 (b)(2)(ii) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE 9007 THE ELECTRICAL OR MECHANICAL INSTALLATIONS OR SYSTEMS CREATE A HAZARDOUS CONDITION: SEC. 8-5 (b)(2)(v) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE 9020 FAILURE TO OBTAIN 40 YR. BUILDING RE-CERTIFICATION: SEC. 8-11 (f) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE
FOLIO 25	3920 NW 32 AVE MIAMI FL 33412	MIAMI DADE EXPRESSWAY AUTHORITY	3031210140730	INDUSTRIAL	YES	WAREHOUSE	YES	5900	4/17/2020		F2007107069 (Unsafe Structure)	7017 2400 0000 7831 8198	4/22/2019	5/1/2019	9020 FAILURE TO OBTAIN 40 YR. BUILDING RE-CERTIFICATION: SEC. 8-11 (f) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE Last activity 5/27/2010:NCL AND VACATE LETTER NOT MAILED, CASE UNDER ADMINISTRATIVE REVIEW BY M.LEE.
FOLIO 7	3805 NW 35 AVE MIAMI FL 33412	ELEVATOR CONSTRUCTIONS LOCAL 71 HOLDING CO INC	3031210360370	INDUSTRIAL	YES	WAREHOUSE	YES	5901	4/17/2020	C2021050376- P2021052880		7017 2400 0000 7831 8204	4/23/2019	5/1/2019	
FOLIO 13	3429 NW 38 ST MIAMI FL 33412	JOSE LAZARO RODRIGUEZ JNR REVOCABLE LIVING TRUST NIRZA RODRIGUEZ TRS	3031210360380	INDUSTRIAL	YES	WAREHOUSE	YES	5902	4/17/2020	C2019168094 - P2020003915		7017 2400 0000 7831 8211	4/29/2019	5/6/2019	
FOLIO 16	3354 NW 38 ST MIAMI FL 33412	JACS 38 LLC	3031210360500	INDUSTRIAL	NO		YES	5903	4/17/2020	Connected, C2021111076 P2022005523		7017 2400 0000 7831 8288	4/22/2019	5/1/2019	
FOLIO 12	3360 NW 38 ST MIAMI FL 33412	JACS 38 LLC	3031210360510	INDUSTRIAL	NO		YES	5904	4/17/2020	Connected, C2021111250 P2022001264		7017 2400 0000 7831 8235	4/22/2019	5/1/2019	
FOLIO 5	3430 NW 38 ST MIAMI FL 33412	JACS 38 LLC	3031210360530	INDUSTRIAL	YES	WAREHOUSE	YES	5905	4/17/2020	Connected, C2021111252 P2021064655		7017 2400 0000 7831 8242	4/22/2019	5/1/2019	
FOLIO 48	3825 NW 32 AVE MIAMI FL 33412	COHEN AIRPORT WAREHOUSES LLC	3031210430042	INDUSTRIAL	NO		YES	5906	4/25/2020		199952903 (Work w/o permit or failure to maintain)	7017 2400 0000 7831 8358	5/1/2019	5/6/2019	12/22/17/ - TICKET 729181 WAS PAID ON 9/7/2000, NO PERMITS OBTAINED TO DATE TO CORRECT VIOLATIONS. CASE IS IN LIEN DEPARTMENT. Consent Agreement paid in full on 07/03/2023
FOLIO 58	3145 NW 38 ST MIAMI FL 33412	MARVIN BOCHNER INC	3031210450030	INDUSTRIAL	YES	WAREHOUSE	YES	5909	4/18/2020	P2020018841 - final 1/6/20					
FOLIO 79	3400 NW 27 AVE MIAMI FL 33142	CAMILO GOMZE DANIEL JARAMILLO GALLO	3031270010640	COMMERCIAL	YES	STORE	YES	5910	4/18/2020	Connected, C2022053027 P2022031920					
FOLIO 81	2787 NW 34 ST MIAMI FL 33412	LEONARDO GARCIA & SEVERINO D GARCIA	3031270010820	INDUSTRIAL	NO	NO	YES	5911	4/18/2020	C2021041774 P2021037138 PEND		7017 2400 0000 7831 8273	4/29/2019	5/6/2019	
FOLIO 82	2747 NW 34 ST MIAMI FL 331 42	LEONARDO GARCIA & W ELIZABETH	3031270010840	INDUSTRIAL	YES	WAREHOUSE	YES	5912	4/18/2020			7017 2400 0000 7831 8280	4/29/2019	5/6/2019	UCVN will be issue on the week of 01/08/2024
FOLIO 83	2727 NW 34 ST MIAMI FL 331 42	FLAMES ENTERPRISE INC	3031270010850	INDUSTRIAL	YES	VEHICLE REPAIR	YES	5913	4/18/2020	C2021030165- P2021034518		7017 2400 0000 7831 8297	No Signature	5/7/2019	
FOLIO 75	3455 NW 30 AVE MIAMI FL 33412	2900 NW THIRTY SIXTH STREET LLC	3031280000021	INDUSTRIAL	YES	VEHICLE REPAIR	YES	5914	4/18/2020	Connected - C2019183840 P2019074665		7017 2400 0000 7831 8303	No Date of Signature	5/7/2019	
FOLIO 78	2901 NW 34 ST MIAMI FL 331 42	TUCCI LLC	3031280000031	INDUSTRIAL	YES	WAREHOUSE	YES	5915	4/18/2019	Connected - C2019199329 P2019074444		7017 2400 0000 7831 8310	4/29/2019	5/7/2019	
FOLIO 67	3090 NW 33 ST MIAMI FL 331 43	RICARDO PEREZ	3031280111670	RESIDENTIAL	YES	DUPLEX BOTH	YES	5916	5/30/2020	ENF					UCVN will be issue on the week of 01/08/2024
FOLIO 65	3050 NW 33 ST MIAMI FL 33412	LUISA SUMMERS	3031280111642	RESIDENTIAL	YES	RESIDENCE	YES	5917	5/30/2020	ENF	NOSA issued on 05/30/2019	7017 2400 0000 7831 8402	Unknown		
FOLIO 80	3230 NW 30 AVE MIAMI FL 33412	AIXA SHAMALEH	3031280111610	RESIDENTIAL	YES	RESIDENCE	YES	5918	5/30/2020	Connected under permit: 2022033471		7017 2400 0000 7831 8419	No Date of Signature	6/20/2019	
FOLIO 63	3068 NW 33 ST MIAMI FL 33412	MARIA E GIL & OGILMA GIL	3031280111651	RESIDENTIAL	YES	RESIDENCE	YES	5919	5/30/2020	Connected under permit: C2022081815		7017 2400 0000 7831 8426	No Date of Signature	6/20/2019	
FOLIO 52	3140 NW 38 ST MIAMI FL 33142	REINA E ACOSTA JESUS H AGOSTA & W ETALS (IRTS)	3031210040050	INDUSTRIAL	YES	RESIDENCE	YES	5920	5/30/2020	Connected under permit 2023039199		7017 2400 0000 7831 8433	6/19/2019	6/25/2019	
FOLIO 66	3044 NW 33 ST MIAMI FL 33412	EVA RODRIGUEZ	3031280111641	RESIDENTIAL	YES	RESIDENCE	YES	5921	5/30/2020			7017 2400 0000 7831 8440	No Date of Signature		No RER Stamp of Returned Date
FOLIO 68	3034 NW 33 ST MIAMI FL 33412	ESTRELLA PEREZ & OSVALDO DOMINGUEZ	3031280111640	RESIDENTIAL	YES	RESIDENCE	YES	5922	5/30/2020		NOSA issued on 09/25/2023	7021 2720 0001 2429 0618	10/3/2023		No RER Stamp of Returned Date New owners
FOLIO 57	3165/67 NW 38 ST MIAMI FL 33412	LEROY M BERRY	3031210030010	COMMERCIAL	YES	DUPLEX BOTH	YES	5923	5/30/2020	C2020094155 - P2020042421		7017 2400 0000 7831 8464	No Date of Signature	6/25/2019	

Folio	Address	Owner	Folio Number	Property Type	ACCOUNT IN CC&B	TYPE OF ACCT	NORC Letter Sent	NORC No.	Connection deadlines	Connected	Violation Number & Type	Certified Receipt Confirmation Number (USPS)	C. Date of Delivery	RER Received C Returned Card	Notes	
FOLIO 54	3110 NW 38 ST MIAMI FL 33412	JUNIOR RODRIGUEZ & W ISABEL MEJIA	3031210040070	RESIDENTIAL	YES	RESIDENCE	YES	5924	5/30/2020		FNPTCA	7017 2400 0000 7831 8471 7021 1970 0000 7560 4188	No Date of Signature 03/03/2022	7/8/2019 04/08/2022		
FOLIO 60	3091 NW 33 ST MIAMI FL 33412	PEPPIE HARRIS TANDHASETTI TRS PEPPIE TANDHASETTI REVOCABLE TR	3031280130030	RESIDENTIAL	YES	RESIDENCE	YES	5925	5/30/2020	C2021087144- P2021049498		7017 2400 0000 7831 8488	No Date of Signature	6/26/2019		
FOLIO 62	3074 NW 33 ST MIAMI FL 33412	ADELAIDA GONZALEZ	3031280111660	RESIDENTIAL	YES	RESIDENCE PLUS	YES	5926	5/30/2020	ENF	NOV dated 12/10/2020	7018 1830 0001 0574 5729	12/14/2020	12/14/2020	Notice/Encumbrance as per 55.28.222 (CFN: 20220238805 BOOK 33085 PAGE 1662	
FOLIO 56	3185/87 NW 38 ST MIAMI FL 33412	LEROY M BERRY	3031210030020	COMMERCIAL	YES	DUPLEX BOTH	YES	5927	5/30/2020	Connected, building permit #2020046731 - final 5/22/20						
FOLIO 64	3056 NW 33 ST MIAMI FL 33412	WENDY M ROSARIO	3031280111650	RESIDENTIAL	YES	RESIDENCE	YES	5928	6/17/2019	ENF		7017 2400 0000 78316613	No Date of Signature	6/12/2019		
FOLIO 50	3166-70 NW 38 ST MIAMI FL 33142	PRIMO RENTALS 2 LLC	3031210030050	RESIDENTIAL	YES	DUPLEX BOTH	YES	5929	6/16/2020	Connected, C2021134914 P2021074969		7017 2400 0000 7831 6620	No Date of Signature	7/5/2019		
FOLIO 51	3150-54 NW 38 ST MIAMI FL 33142	YOISI GARCIA	3031210030040	INDUSTRIAL	YES	DUPLEX BOTH	YES	5930	6/17/2020	C2021060366- P2021028487		7017 2400 0000 7831 6637	No Date of Signature	7/26/2019		
FOLIO 69	3032 NW 33 ST MIAMI FL 33412	YUDY LILIANA EUSCATIGUE	3031280111630	RESIDENTIAL	YES	RESIDENCE	YES	5931	6/17/2020	Connected under process: 2022039996						
FOLIO 53	3130 NW 38 ST MIAMI FL 331 42	ANTONIO LOPEZ & W MARY	3031210040060	INDUSTRIAL	YES	RESIDENCE	YES	5932	6/18/2020	C2021098612- P2021052223		7017 2400 0000 7831 6651	7/5/2019			
FOLIO 17	3352 NW 38 ST MIAMI FL 33412	JACS 38 LLC	3031210360720	INDUSTRIAL	NO			5933	6/18/2020	Connected under permit 2022061552		7017 2400 0000 7831 6675	6/24/2019	7/8/2019		
FOLIO 70	3030 NW 33 ST MIAMI FL 33412	EDUARDO MARTINEZ - HEIDY E MARTINEZ	3031280111621	RESIDENTIAL	YES	RESIDENCE	YES	5934	6/18/2020	Connected under permit 2022069639						
FOLIO 10	3435 NW 37 ST MIAMI FL 33412	ROSA LUISA MARTINEZ TRS	3031210360560	INDUSTRIAL	YES	OFFICE	YES	5935	6/18/2020		NOSA issued on 06/18/2019	70171970 0000 7560 6519	5/19/2022	5/24/2022	Demand letter issued on 12/21/2023	
FOLIO 88	3100 NW 38 ST MIAMI FL 331 42	MARVIN BOCHNER INC	3031210040080	INDUSTRIAL	NO											
PHASE 1	3233 NW 38 ST MIAMI FL 33142	SEABASTOPOUL INTL INC	3031210140545	INDUSTRIAL	YES	STORE		N/A		C2017032826 - P2017027729						
PHASE 1	3230 NW 38 ST MIAMI FL 33142	MIAMI COMPRESSOR REBUILDERS INC	3031210140510	INDUSTRIAL	YES / 8923917854	VEHICLE REPAIR		N/A		C2017133460 - P2017060040						
PHASE 1	3259 NW 38 ST MIAMI FL 33142	DANDY SAND INVESTMENTS LLC	3031210140590	INDUSTRIAL	YES / 5387181204	WAREHOUSE		N/A		NO BUILDING ON PARCEL - SAME OWNER AS #3255 NW 38 ST						
PHASE 1	3270 NW 38 ST MIAMI FL 33142	3 CS DEVELOPMENT GROUP LLC	3031210140450	INDUSTRIAL	YES / 4908646010	FACTORY		N/A		C2016179164 - P2017019581						
PHASE 1	3250 NW 38 ST MIAMI FL 33142	EBERLE FRANCOIS	3031210140480	INDUSTRIAL	YES / 1545132524	VEHICLE DEALER		N/A		C2018008146 - P2018007245						
FOLIO 1	3519 NW 36 ST MIAMI FL 331 42	DL REAL STATE LLC	0131210380010	COMMERCIAL	YES	VEHICLE REPAIR										
FOLIO 4	3252 NW 36TH ST MIAMI FL 33127	DL REAL ESTATE LLC	3031210001250	INDUSTRIAL	NO											
FOLIO 14	ADDRESS NOT AVAILABLE	MAESTRE CONSTRUCTION INC	3031210630010	INDUSTRIAL	YES	RESIDENCE				Process was not for connection (C2020062977 - Permit 2020048469)						
FOLIO 15	3850 NW 35 AVE MIAMI FL 33142	MIAMI- DADE EXPRESSWAY AUTHORITY	3031210001100	INDUSTRIAL	YES	WAREHOUSE										
FOLIO 18	3405 NW 38 ST MIAMI FL 33412	JOSE LAZARO RODRIGUEZ JNR REVOCABLE LIVING TRUST NIRZA RODRIGUEZ TRS	3031210360390	INDUSTRIAL	NO											
FOLIO 19	3333 NW 38 ST MIAMI FL 33412	MIAMI DADE COUNTY MIAMI DADE TRANSIT	3031210440010	INDUSTRIAL	YES	WAREHOUSE										
FOLIO 22	ADDRESS NOT AVAILABLE	BP 36TH STREET PROPERTY INC	3031210140250	INDUSTRIAL	NO											
FOLIO 27	ADDRESS NOT AVAILABLE	BP 36TH STREET PROPERTY INC	3031210140260	RESIDENTIAL	NO											
FOLIO 28	3244 NW 37 ST MIAMI FL 33412	BP 36TH STREET PROPERTY INC	3031210140270	RESIDENTIAL	NO											
FOLIO 33	3236 NW 37 ST MIAMI FL 33412	O REILLY AUTOMOTIVE STORES INC	3031210140280	INDUSTRIAL	NO											Cancelled folio, new folio 30-3121-014-0290, NORC 5886 Connected
FOLIO 36	3804 NW 32 AVE MIAMI FL 33412	MAKEN HOLDING LLC	3031210140660	INDUSTRIAL	NO			6443								
FOLIO 37	3802 NW 32 AVE MIAMI FL 33412	MAKEN INVESTMENT GROUP LLC	3031210140670	INDUSTRIAL	YES	WAREHOUSE		4632		C2019113795 - Permit 2020008978						
FOLIO 40	ADDRESS NOT AVAILABLE	AUTOMOTIVE PROPERTIES WEST LLC C/O TRACY SEIDLE	3031210550020	COMMERCIAL	YES	RESIDENCE/DUPLEX										No process found in Gold Key
FOLIO 42	ADDRESS NOT AVAILABLE	AUTOMOTIVE PROPERTIES WEST LLC C/O TRACY SEIDLE	3031210550030	COMMERCIAL	YES	SERVICE STATION										No process found in Gold Key
FOLIO 49	3945 NW 32 AVE MIAMI FL 33412	COHEN AIRPORT WAREHOUSES LLC	3031210430041	INDUSTRIAL	YES	WAREHOUSE		4459								C2024041902 under review to connect to sewers
FOLIO 59	3800 NW 31 AVE MIAMI FL 33412	MARVIN BOCHNER INC	3031210450020	INDUSTRIAL	YES	WAREHOUSE		1248			F2019005801 (Unsafe Structure) C2023037467 - Permit 2019064720 (Permit for roofing)					8-11 (F)(IV)(5) FAILURE OF THE OWNER OF A 40 YEAR OLD BUILDING TO COMPLETE REQUIRED REPAIRS OR MODIFICATIONS
FOLIO 61	ADDRESS NOT AVAILABLE	MIAMI DADE COUNTY MIAMI DADE HOUSING AGENCY	3031280130050	RESIDENTIAL	YES	DUPLEX REAR										
FOLIO 71	3010 NW 33 ST, MIAMI, FL 33142	VALERIO DANIEL CAPOTE	3031280111620	RESIDENTIAL	YES	RESIDENCE		6342								
FOLIO 72	NW 33 ST MIAMI FL 33412	MIAMI DADE COUNTY MIAMI DADE HOUSING AGENCY	3031280130120	RESIDENTIAL	YES	RESIDENCE										
FOLIO 73	ADDRESS NOT AVAILABLE	MIAMI DADE COUNTY MIAMI DADE HOUSING AGENCY	3031280130110	RESIDENTIAL	YES	RESIDENCE										
FOLIO 76	2950 NW 35 ST MIAMI FL 33412	LZG LIG	3031280000020	INDUSTRIAL	YES	FACTORY		4304		C2020033965 - Permit 2020020112						
FOLIO 77	ADDRESS NOT AVAILABLE	AMERICAN PILES LLC	3031270010870	INDUSTRIAL	NO											
FOLIO 85	ADDRESS NOT AVAILABLE	3275 PROPERTIES LLC	3031210140240	INDUSTRIAL	NO											
FOLIO 86	3855 NW 35 AVE MIAMI FL 33142	MIAMI- DADE COUNTY MIAMI- DADE TRANSIT	3031210000901	INDUSTRIAL	YES	POWER PLANT		5871								
FOLIO 87	3295 NW 37 ST MIAMI FL 331 42	3 CS DEVELOPMENT GROUP LLC	3031210140420	INDUSTRIAL	NO											
FOLIO 89	4030 NW 32ND AVE MIAMI FL 33142	MIAMI DADE CO EXPRESSWAY AUTHORITY	3031210140750	INDUSTRIAL	YES	WAREHOUSE		5874			C2018083756 - Permit 2018033045 (Permit for Windows only)					
FOLIO 90	ADDRESS NOT AVAILABLE	MIAMI DADE COUNTY MIAMI DADE HOUSING AGENCY	3031280130040	RESIDENTIAL	YES	RESIDENCE										

Color Code: Vacant Land or no property to connect
New connection since last update