



Daniella Levine Cava, Mayor

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

miamidade.gov

**VIA ELECTRONIC CORRESPONDENCE**

July 31, 2023

CCN: 64997

File No: 8.DC.09.33

Chief, Environmental Enforcement Section  
Environment and Natural Resources Division  
U.S. Department of Justice  
P.O. Box 7611  
Tom Mariani  
Washington, D.C. 20044-7611  
RE: DOJ No. 90-5-1-1-4022/1  
[Tom.Mariani@usdoj.gov](mailto:Tom.Mariani@usdoj.gov)

Chief, Clean Water Enforcement Branch  
Water Protection Division  
Attn: Brad Ammons  
U.S. Environmental Protection Agency, Region 4  
61 Forsyth Street, S.W.  
Atlanta, Georgia 30303  
[Ammons.Brad@epa.gov](mailto:Ammons.Brad@epa.gov)

Rachael Amy Kamons  
Environmental Enforcement Section  
U.S. Department of Justice  
P.O. Box 7611  
Ben Franklin Station  
Washington, D.C. 20044-7611  
[Rachael.Kamons@usdoj.gov](mailto:Rachael.Kamons@usdoj.gov)

Florida Department of Environmental Protection  
Southeast District – West Palm Beach  
3301 Gun Club Road, MSC 7210-1  
West Palm Beach, FL 33406  
Attn: Compliance/Enforcement Section  
[Jason.Andreotta@dep.state.fl.us](mailto:Jason.Andreotta@dep.state.fl.us)

**RE: Consent Decree (Case: No. 1:12-cv-24400-FAM),  
Reference DOJ Case No. 90-5-1-1-4022/1,  
Section IX – Reporting Requirements, Paragraph 33 – Semi-Annual Reports – 2023 Semi-Annual  
Report No. 1**

Dear Sir or Madam:

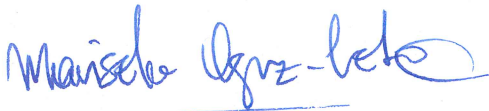
In accordance with the provisions of Paragraph 33 of the above referenced Consent Decree, on behalf of Miami-Dade County, the Water and Sewer Department (WASD) submits to both the United States Environmental Protection Agency (EPA) and the State of Florida Department of Environmental Protection (FDEP) the 2023 Semi-Annual Report No. 1. The report includes the progress made in implementing the requirements of the aforementioned Consent Decree during the period of time from January 1, 2023 through June 30, 2023. The report also includes the anticipated work to be completed over the next two calendar quarters through December 31, 2023.

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.

COUNTY

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

Sincerely,



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

Attachment: 2023 Semi-Annual Report No. 1

cc:

Anita Patel  
Senior Assistant Attorney General, Complex Litigation  
Office of the Attorney General  
PL 01 The Capitol  
Tallahassee, FL 32399-1050  
(850) 414-3694  
[anita.patel@myfloridalegal.com](mailto:anita.patel@myfloridalegal.com)

Florida Department of Environmental Protection  
Southeast District – West Palm Beach  
3301 Gun Club Road, MSC 7210-1  
West Palm Beach, FL 33406  
Attn: Compliance/Enforcement Section  
[Lisa.M.Self@dep.state.fl.us](mailto:Lisa.M.Self@dep.state.fl.us)  
[Bridjette.Bucell@FloridaDEP.gov](mailto:Bridjette.Bucell@FloridaDEP.gov)  
[Sed.wastewater@dep.state.fl.us](mailto:Sed.wastewater@dep.state.fl.us)  
[Vicki.Villani@floridaDEP.gov](mailto:Vicki.Villani@floridaDEP.gov)  
[Guy.Cappello@floridaDEP.gov](mailto:Guy.Cappello@floridaDEP.gov)

Paul Schwartz  
Associate Regional Counsel  
U.S. EPA, Region 4  
61 Forsyth Street, SW  
Atlanta, Georgia 30303  
[Schwartz.Paul@epa.gov](mailto:Schwartz.Paul@epa.gov)

Jimmy Morales, Office of the Mayor  
Miami-Dade County Chief Operations Officer  
111 NW 1st Street 29th Floor  
Miami, FL 33128  
[Jimmy.Morales2@miamidade.gov](mailto:Jimmy.Morales2@miamidade.gov)

Elizabeth Teegen  
Chief Assistant Attorney General, Complex Litigation  
Office of the Attorney General  
PL-01, The Capitol  
Tallahassee, FL 32399-1050  
850-414-3808  
[Elizabeth.Teegen@myfloridalegal.com](mailto:Elizabeth.Teegen@myfloridalegal.com)

Jairo Castillo-Valenzuela  
Dennis Sayre  
Wastewater Enforcement Section  
Water Enforcement Branch  
Enforcement & Compliance Assurance Division  
USEPA Region 461 Forsyth Street. S.W.  
Atlanta, GA 30303  
[Castillo.Jairo@epa.gov](mailto:Castillo.Jairo@epa.gov)  
[Sayre.Dennis@epa.gov](mailto:Sayre.Dennis@epa.gov)

Madame Mayor Daniella Levine-Cava  
Miami-Dade County  
111 NW First Street 29<sup>th</sup> Floor  
Miami, Florida 33128  
[Daniella.Cava@miamidade.gov](mailto:Daniella.Cava@miamidade.gov)

Roy Coley, Director  
Miami-Dade Water and Sewer Department  
3071 SW 38<sup>th</sup> Avenue  
Miami, Florida 33146  
[Roy.Coley@miamidade.gov](mailto:Roy.Coley@miamidade.gov)

Angela Benjamin  
Miami-Dade Assistant County Attorney  
Miami-Dade County Attorney's Office  
111 NW First Street Suite 2810  
Miami, Florida 33128  
[Angela.Benjamin@miamidade.gov](mailto:Angela.Benjamin@miamidade.gov)

Amanda Kinnick (WASD)  
Billie Jo McCarley (WASD)  
Frances G. Morris (WASD)  
James B. Ferguson (WASD)  
Juan Curiel (WASD)

Robert Fergen (WASD)  
Oscar Vasquez (WASD)  
Carlos A. Castro (WASD)  
Rolando Roque (WASD)  
Ana Caveda (WASD)

Sarah Davis (CAO)  
Lashika Nelson (CAO)  
Rashid Istambouli (RER-DERM)  
Carlos Hernandez (RER-DERM)  
Roger Williams (CD PMCM)



## **2023 Semi-Annual Report No. 1 (Eighteenth Semi-Annual Report)**

**January 1, 2023 through June 30, 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**



This Page Has Been Intentionally Left  
Blank

## Contents

1.0	Executive Summary .....	1
2.0	Introduction .....	13
2.1	Purpose.....	13
2.2	Requirements .....	13
2.3	Reporting Schedule .....	13
2.4	Reporting Structure .....	14
3.0	Work Progress .....	15
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 .....	15
3.2	New CMOM Programs – Paragraph 19(a) through (h), (j) .....	15
3.2.1	Specific Capital Improvement Projects (“CIPs”) Program – Paragraph 19(i).....	15
3.3	Supplemental Environmental Project Plan .....	15
4.0	Additional Information.....	16
4.1	State's Ocean Outfall Legislation .....	16

### Tables

1-1	Completed CD Projects, Activities, and Milestones.....	3
1-2	Upcoming CD Projects, Activities, and Milestones, and Deliverables in the Next Two Calendar Quarters .....	6
1-3	Issues Log.....	7

### Appendices

A	Work Progress Tables
B	Project Schedule Gantt Charts
C	Financial Analysis Program Report
D	SEP Connection Database

## 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
FMOPMARF	Force Main Operations, Preventative Maintenance and Assessment/Rehabilitation Program
FM R/R P	Force Main Rehabilitation/Replacement Program
FOG	Fats, Oils and Grease
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 (January 1, 2023 through June 30, 2023), and also provides projections for significant projects and activities anticipated to be completed in the next two (2) calendar quarters (July 1, 2023 through December 31, 2023).

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, WASD did not meet the final deadline for seven (7) Appendix D Capital Improvement Projects (CIP):

- CD 1.6 Gravity Sludge Thickening Facility at the South District Wastewater Treatment Plant (SDWWTP),
- CD 1.8 Dewatering Facility at the SDWWTP,
- CD 2.12 Gravity Sludge Thickeners Plant 1 at Central District Wastewater Treatment Plant (CDWWTP),
- CD 2.13 Gravity Sludge Thickeners Plant 2 at CDWWTP
- CD 2.15 Digester Plant 2 at CDWWTP,
- CD 2.16 Dewatering Facility at CDWWTP, and
- CD 2.18 Odor Control Systems at CDWWTP.

All other CD requirements were met.

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

- On June 16, 2023, the County notified EPA and FDEP for a Request for Time Extension and Project Status Update for CD CIP 2.15 Digesters Plant 2 due to unforeseen and complex delays during construction, and start-up and commissioning. The compliance date for this project was June 18, 2023.

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 \$1.99 billion, and the Supplemental Environmental Project (SEP) included in Appendix E. As of this reporting period, fifty-eight (58) projects with a total cost of \$861 million have reached substantial completion, eighteen (18) projects with a cost of \$915 million are in the construction phase, and five (5) projects with a cost of \$215 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).

<b>Table 1-1 Completed CD Projects, Activities, Milestones, and Deliverables</b>				
<b>CD Projects, Activities, and Milestones</b>	<b>CD Reference</b>	<b>CD Deadline</b>	<b>Completion or Submittal Date</b>	<b>CD Compliant (Yes/No)</b>
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
Request to Waive Stipulated Penalties due to Force Majeure Delay – CD 5.9 New Pump Station No. 0301	Section XI, para. 52 & Section XVII, para. 77	1/30/2023	1/30/2023	Yes
Post Request to Waive Stipulated Penalties due to Force Majeure Delay – CD 5.9 New Pump Station No. 0301 in PDR	Section V, para. 9	1 business day after submittal	1/30/2023	Yes
Submit 2022 Semi-Annual Report No. 2	Section IX, para. 33	1/31/2023	1/31/2023	Yes
Post 2022 Semi-Annual Report No. 2 in PDR	Section IX, para. 36	1 business day after submittal	1/31/2023	Yes
Submit 2022 Quarterly Report No. 4	Section IX, para. 32	1/31/2023	1/31/2023	Yes
Post 2022 Quarterly Report No. 4 in PDR	Section IX, para. 36	1 business day after submittal	1/31/2023	Yes
Submit 2022 Annual Report	Section IX, para. 34	3/1/2023	3/1/2023	Yes

<b>Table 1-1 Completed CD Projects, Activities, Milestones, and Deliverables</b>				
<b>CD Projects, Activities, and Milestones</b>	<b>CD Reference</b>	<b>CD Deadline</b>	<b>Completion or Submittal Date</b>	<b>CD Compliant (Yes/No)</b>
Post 2022 Annual Report in PDR	Section IX, para. 36	1 business day after submittal	3/1/2023	Yes
Request to Waive Stipulated Penalties for CD 3.6 – Disinfection at NDWWTP	Section XI, para. 52 & Section XVII, para. 77	3/2/2023	3/2/2023	Yes
Post Request to Waive Stipulated Penalties for CD 3.6 – Disinfection at NDWWTP in PDR	Section V, para. 9	1 business day after submittal	3/2/2023	Yes
Completion of CD CIP 3.2 Primary Clarifiers and Odor Control	Section VI, para. 19(i)	4/6/2023	9/14/2022	Yes
Request to Waive Stipulated Penalties for CD 5.3 – Pump Station No. 0692	Section XI, para. 52 & Section XVII, para. 77	4/19/2023	4/19/2023	Yes
Post Request to Waive Stipulated Penalties for CD 5.3 – Pump Station No. 0692 in PDR	Section V, para. 9	1 business day after submittal	4/19/2023	Yes
Completion of CD 1.10 Odor Control	Section VI, para. 19(i)	4/25/2023	4/19/2023	Yes
Submit 2023 Quarterly Report No. 1	Section IX, para. 32	5/1/2023	5/1/2023	Yes
Post 2023 Quarterly Report No. 1 in PDR	Section IX, para. 36	1 business day after submittal	5/1/2023	Yes
Force Majeure Delay Notification – Tropical Storm Warning (Hurricane Ian) Follow-up Letter	Section XI, para. 52 & Section XVII, para. 77	6/6/2023	6/6/2023	Yes
Post Force Majeure Delay Notification – Tropical Storm Warning (Hurricane Ian) Follow-up Letter in PDR	Section V, para. 9	1 business day after submittal	6/6/2023	Yes
Request for Time Extension and Project Status Update for CD CIP 2.15 Digester Plant 2	Section XI, para. 52 & Section XVII, para. 77	6/16/2026	6/16/2023	Yes
Post Request for Time Extension and Project Status Update for CD CIP 2.15 Digester Plant 2 in PDR	Section V, para. 9	1 business day after submittal	6/16/2023	Yes

<b>Table 1-1 Completed CD Projects, Activities, Milestones, and Deliverables</b>				
<b>CD Projects, Activities, and Milestones</b>	<b>CD Reference</b>	<b>CD Deadline</b>	<b>Completion or Submittal Date</b>	<b>CD Compliant (Yes/No)</b>
Submit Sixth Annual FOG Control Program Review Report	Section VI, para. 19(a)	6/30/2023	6/30/2023	Yes
Post Submit Sixth Annual FOG Control Program Review Report in PDR	Section IX, para. 36	1 business day after submittal	6/30/2023	Yes

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

<b>CD Projects, Activities, and Milestones</b>	<b>CD Reference</b>	<b>CD Deadline</b>	<b>Anticipated Completion or Submittal Date</b>
Submit 2023 Quarterly Report No. 2	Section IX, para. 32	7/31/2023	7/31/2023
Post 2023 Quarterly Report No. 2 in PDR	Section IX, para. 36	1 business day after submittal	1 business day after submittal
Submit 2023 Semi-Annual Report No. 1	Section IX, para. 33	7/31/2023	7/31/2023
Post 2023 Semi-Annual Report No. 1 in PDR	Section IX, para. 36	1 business day after submittal	1 business day after submittal
Submit 2023 Quarterly Report No. 3	Section IX, para. 32	10/31/2023	10/31/2023
Post 2023 Quarterly Report No. 3 in PDR	Section IX, para. 36	1 business day after submittal	1 business day after submittal
CD CIP 1.7 Digesters and Control Building	Section VI, para. 19(i)	11/21/2023	10/12/2023

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.

<b>Table 1-3 Issues Log</b>			
<b>Item</b>	<b>Date</b>	<b>Description</b>	<b>Resolution/Clarification/Decision</b>
<b>1</b>	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.
<b>2</b>	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**

<b>Item</b>	<b>Date</b>	<b>Description</b>	<b>Resolution/Clarification/Decision</b>
<b>3</b>	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."	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.  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.
<b>4</b>	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/FDEPA. 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.
<b>5</b>	12/19/2019	EPA/FDEP to prioritize the review of the CMOM Program Implementation Schedule.	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.  At the June 2020 CD Program Update Meeting, FDEP suggested that the County update the CMOM Program Implementation Schedule to include



<b>Table 1-3 Issues Log</b>			
<b>Item</b>	<b>Date</b>	<b>Description</b>	<b>Resolution/Clarification/Decision</b>
			language that establishes that the 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.
<b>6</b>	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.
<b>7</b>	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>

**Table 1-3 Issues Log**

<b>Item</b>	<b>Date</b>	<b>Description</b>	<b>Resolution/Clarification/Decision</b>
<b>8</b>	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	<p>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 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>
<b>9</b>	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.
<b>10</b>	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>

**Table 1-3 Issues Log**

<b>Item</b>	<b>Date</b>	<b>Description</b>	<b>Resolution/Clarification/Decision</b>
<b>11</b>	11/4/2022	Force Majeure Notification for Consent Decree Appendix D-2, Capital Improvement Projects CD 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.
<b>12</b>	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) Gravity Sludge Thickeners Plant 1, CD 2.13 CDWWTP Gravity Sludge Thickeners Plant 2, CD 2.16 CDWWTP Dewatering Facility 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.
<b>13</b>	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.
<b>14</b>	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.

<b>Table 1-3 Issues Log</b>			
<b>Item</b>	<b>Date</b>	<b>Description</b>	<b>Resolution/Clarification/Decision</b>
<b>15</b>	4/19/2023	Request to Waive Potential Stipulated Penalties CD Appendix D-2, Capital Improvement Project 5.3 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 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.
<b>16</b>	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.

## 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 is progressing on drilling the first seven (7) of nine (9) new Class I municipal injection wells. Six (6) injection wells have been completed and the four (4) monitoring wells are complete. The final injection well in the first contract (of 7 wells) is under construction and will finish by end of summer. The final two (2) injection wells are permitted, and construction mobilization has started on the next well. All injection well construction is scheduled to be completed by the end of 2024.

The design of the municipal well pump station was revised to account for other project design changes and the revised permit drawings are now under review. The updated Stormwater Master Plan is complete, and the permit application is in development. The CDWWTP Electrical Distribution Building 2 (EDB2) is in procurement and construction NTP is scheduled for late 2023. FDEP air permitting for EDB2 is proceeding. The design task order for the Outfall and Effluent Transfer Pump Station is in progress.

- NDWWTP's four (4) existing injection wells are continuing to function at near maximum capacity, and substantial outfall flow diversion is being achieved (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 (UIC). The drilling contractor finished one (1) injection well and is



working on drilling and testing the four (4) remaining injection wells concurrently. The 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 were not allowed by Miami-Dade Regulatory and Economic Resources (RER) until the wetland permits were issued. The partial clearing for the geotechnical borings is about 75 percent complete (end of June 2023). The additional subsurface investigations are currently underway. The Site Preparation and Stormwater Pond Project is in procurement.

## 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: March 29 and June 28, 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 September 27 and December 13, 2023.
			8. Continued to use the PS system/database to track PS basins, new or upgraded with 26 HP or larger, 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 end Cycle.	9.2 Continue with enforcement of utilities still pending to complete the SSES end Cycle.
			9.3 Planned to start reviews of the Utilities SSES 3rd Cycle Report submittals.	9.3 Prepare to start reviews of the Utilities SSES 3rd Cycle Report submittals.
			10. Continued the review of the GIS Water & Sewer As-Built / Atlases submitted by each Utility in January-2022 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 2023 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 2023.
			10.3 DERM reviewed the reports submitted in June from all VSCO utilities regarding Non-Vacant properties not connected to public water/sewer.	10.3 DERM will continue the review of the reports submitted in June 2023 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.	<p>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.</p> <p>11.1 DERM completed coordination with IT staff to further enhance the PS database to place PS under moratoriums automatically.</p> <p>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.</p>	<p>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.</p> <p>11.1 DERM will continue working with IT staff to enhance the PS database to further enhance the PS database.</p> <p>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.</p>
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, 2023.
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.	<p>Anticipated to complete First Task Authorization under the Integrated Master Plan. Model network validation is ongoing and expected to be completed on 12/26/2023. Partial calibration of one of the critical service areas, Pump Station #1 and #2 will be prioritized to identify immediate needs for the system, expected to be completed on 12/11/2023.</p> <p>Development of methodology for calculation of demand and flows with WASD staff in a series of meetings. Meeting to discuss alternate water demand estimation methodologies were held on 6/5/2023, expected to be completed 8/25/2023.</p> <p>This assignment is in line with the intent of the CMOM to keep the Wastewater Collection and Transmission Model updated.</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(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 December 31, 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. Placed automatically under Moratorium Pump Stations (PS) 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 do not submit them by the 14th of the following month, or if TRIPLICATE readings detected, as required by the Miami-Dade County Code.</p> <p>3.1 Used the completed automatization of 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 TRIPLICATE readings detected, as required by the Miami-Dade County Code.</p> <p>3.1. Continue implementing/using the automatic generation of Moratorium / Enforcement letters when utilities and 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 Completed the Installation of 192 Smart Cover Technology Units in manholes experiencing SSOs events and 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 prepared 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 Meetings continued to be held with the 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 2022.</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. Due to Staffing shortages the reviews of the Sanitary Sewer System Model Survey/Report received from each Volume Sewer Customer Utilities reviews could not be completed.</p> <p>16.1 Interviewed candidates for new staffing positions. Some personnel were hired. Additional positions advertised.</p> <p>17. Due to staff shortages the review of televising reports received from the utilities having sanitary sewer collection and transmission systems within well field protection areas was not completed. However, DERM completed interviews of candidates for new staffing positions.</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 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. Plan to complete the hiring process of the new staff to assist with the reviews of the Sanitary Sewer System Model Survey/Report received from each Volume Sewer Customer Utilities as well as other reports.</p> <p>16.1 Plan to complete hiring of field personnel to assist with the multiple field inspections.</p> <p>17. Plan to secure staff to assist with the reviews of the televising reports received from the utilities having sanitary sewer collection and transmission systems within well field protection areas. Plan to complete hiring process of the new staffing to assist with the reviews.</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. 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.	2. Distribute Outreach flyers. Flyers will be distributed by DERM Plan Review, FOG Technicians/Inspectors, and Liquid Waste Transporters. Reevaluate our outreach for Food Service Establishment (FSE) in order to adapt to new challenges.
			3. Continued FOG Outreach, including workshops. FOG and Utility Round Table meetings where held virtually via Microsoft Teams.	3. Continue FOG Outreach, including 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. 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 NGIs FSE. Goal to achieve 100% compliance continues. Facilities that remain out of compliance (3.6%) 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 FOG2.0.
			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 6th 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 7th 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. Develop or approve training programs for the 2024 permitting cycle for LWTs and Disposal Facilities.
			16. Continued the Public Outreach program in collaboration with WASD.	16. Continue preparing and implementing Public Outreach program. Content for outreach material was designed by staff and sent to RER communications Department to develop door hangers and mail out materials. Distribution will be started as soon as finished.
			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 2023 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. Estimated that 50% of the total 3,701 facilities are expected to be inspected by 2023-2024, pending approval of additional staff. 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.	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. Continued the 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. Continue working on transitioning PCTS software from Proliance to e-Builder. 2. Continue the development of CMOM performance measures and KPI tracking. 3. Continue enhancement of EAMS 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.	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. Electronic As-Built Submittal - Completed. 5. Field solution for reviewing GIS infrastructure information, as-built files and associated documents.	1. Finalizing GraniteNet video migration and preparing for new version 5.7 containing fixes and updates for previous issues. 2. The GIS integration of all projects conveyed and activated are being tracked. The metrics will be reported in the 2023 Semi-Annual Report. 3. 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. Reviewing additional requirements as needed for modernization. The metrics will be reported in the 2023 Semi-Annual Report No. 2. 4. Developing and testing automated processes for updating As-built submittals based on requirements for AutoCAD templates. Completed schema and finalizing automated processes. 5. Completed additional enhancements to the field cloud solution. Developing solution for simplifying source data updating process. 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"> <li>1. Work with WASD staff and outside consultants to develop scope for the capture of asset inventory and condition assessment for the Pump Stations Division</li> <li>2. Work with WASD staff and outside consultants to capture of asset inventory at the Wastewater Treatment Plants</li> <li>3. Work with EAMS Division to facilitate input of asset inventory and conditions assessments within the department's asset management systems</li> </ol>	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.
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"> <li>1. Continued to deploy Smart Covers to "hot spots" to closely monitor and prevent SSOs.</li> <li>2. CCTV contract to inspect gravity sewer mains for Pump Station 0002 is ongoing</li> <li>3. WPO identified defects are in the process of repair.</li> <li>4. Deploy of wastewater AMI on VFD</li> </ol>	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"> <li>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).</li> <li>2. Completion of SOPs and work instructions for the following units within Pump Station Division: <ul style="list-style-type: none"> <li>• Diesel Maintenance Unit: (5) SOPs and (4) work instructions</li> <li>• Wet-Well Rehabilitation Unit: (3) SOPs</li> </ul> </li> </ol> <p>Work performed and completed by Quality Assurance &amp; Quality Control Division in conjunction with Pump Stations Division</p>	<p>Projects and activities anticipated to be performed:</p> <ol style="list-style-type: none"> <li>1. Begin the project for asset inventory and condition assessment (58 pump stations).</li> <li>2. Continue the development of SOPs and work instructions for the following units within Pump Station Division: <ul style="list-style-type: none"> <li>• Structural Trade</li> <li>• Submersible Repair Unit</li> </ul> </li> </ol>

**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 (51%) 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 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.  RER-DERM/WASD Coordination Meetings will be held each quarter to discuss Hauled Waste Program and any issues or concerns related to illicit hauled waste or discharges to the plant or collection system.  There will not be any new facilities or new assets coming online during the next two quarters of the year.
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 March 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 and February 25, 2022 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 installation for the electrical wiring to Compressor No. 3 controls/power and feeder terminations of Substation No. 20 was completed and the start-up of Compressor No. 3 is scheduled to commence on July 17, 2023.	Construction will continue.
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.	1.5(1) This child project reached substantial completion on May 26, 2020.  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  1.5(3) Completed on January 23, 2016.	1.5(1) N/A  1.5(2) N/A  1.5(3) N/A
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. Currently the project is in design-build phase, transitioning from 60% design towards 100% NFC and construction started with building's foundation and shell work. On December 28, 2022, the County requested a Time Extension and Project Status Update to EPA and FDEP.	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.	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. Currently the project is in Design-Build phase, transitioning from 60% design towards 100% NFC and construction started with building's foundation and shell work. On December 28, 2022, the County requested a Time Extension and Project Status Update to EPA and FDEP.	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) Notice to Proceed was issued on September 08, 2020. Construction continued.  1.11(1.2) Award was rescinded due to unacceptable bid. Procurement (Re-bid) completed. 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"> <li>1) CDWWTP General Electric In-house Construction - Substations 1 and 2.</li> <li>2) Substations 3, 4A, 4B, 5 &amp; 6 – This work is part of Project 2.27(2).</li> <li>3) Substations 9 &amp; 10 - This work is part of Project 2.10(1).</li> <li>4) Substations 11 &amp; 12 – This work is part of project 2.11.</li> <li>5) Substations 15 &amp; 16 – This work is part of Project 2.15(1).</li> <li>6) Substations 17 &amp; 18 – This work is part of Project 2.19(2a).</li> <li>7) Substations 7A, 8A, 9A &amp; 10A</li> </ol>	<p>Note: The majority of this work will be done 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) Project Completion Date is currently under review.</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>2.1(1) N/A</p> <p>2.1(2) N/A</p> <p>2.1(3) Project is expected to be reported as Complete.</p> <p>2.1(4) N/A</p> <p>2.1(5) N/A</p> <p>2.1(6) N/A</p> <p>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 &amp; 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>	N/A
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>	N/A
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>	N/A
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.</p> <p>Structural rehabilitation work for Train #2 and Train #3 were performed by WASD in-house forces during the dry seasons.</p>	<p>This project reached substantial completion on June 22, 2018, ahead of the CD Compliance Date of April 12, 2019.</p>	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
2.6	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.	2.7(1) Procurement continued. 2.7(2) Mechanism upgrade work postponed for Tank #3 due to rephasing. Expected to commence in 2024. 2.7(3) Structural rehabilitation of Tank #3 postponed due to rephasing. Expected to commence in 2024.	2.7(1) Procurement will continue. 2.7(2) Construction on hold. 2.7(3) Procurement on hold.
2.8	Secondary Clarifiers Plant 2	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. This project has been split into three child projects: 1) RAS pump discharge piping, 2) Train Mechanisms, and 3) Structural Rehab.	2.8(1) Construction continued. 2.8(2) Mechanism Upgrade for Tank #4 completed on April 28, 2023. 2.8(3) Tank#4 was completed on January 25, 2023.	2.8(1) Construction will continue. 2.8(2) Mechanism Upgrade for Tank #1 pending construction. 2.8(3) Tank #1 pending construction.
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.	Procurement continued.	Procurement will continue.
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

**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
2.12	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. Currently the project is in Design-Build phase, transitioning from 60% design towards 100% NFC and construction started with building's foundation and shell work. On December 28, 2022, the County requested a Time Extension and Project Status Update to EPA and FDEP.	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. Currently the project is in design-build phase, transitioning from 60% design towards 100% NFC and construction started with building's foundation and shell work. On December 28, 2022, the County requested a Time Extension and Project Status Update to EPA and FDEP.	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.
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 completed. 2.15(3) Procurement will completed and construction will commence.

**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
2.16	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. Currently the project is in Design-Build phase, transitioning from 60% design towards 100% NFC and construction started with building's foundation and shell work. On December 28, 2022, the County requested a Time Extension and Project Status Update to EPA and FDEP.	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.	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 bio gas availability. 2.19(2b) N/A
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

**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
2.21	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 located in the roadway is scheduled for installation in August 2023.	Construction will be completed.
2.23	O <sub>2</sub> Plant Process Controls Phase 2	The CDWWTP O <sub>2</sub> 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.
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

**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
2.28	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) Construction was completed and substantial completion was achieved on September 14, 2022.
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 170, 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 <sub>2</sub> 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 <sub>2</sub> 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 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> <p>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>	<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**

---

WASD Consent Decree Schedule - June 2023 Update - Amended

EPA Interim Milestone ID

Activity Name

Actual/Forecast Start

EPA Interim Milestone Start Date

Actual/Forecast Finish

EPA Interim Milestone Finish Date

WASD Consent Decree Schedule - June 2023 Update - Amended

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

06-Sep-23

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

1.6.2

Procurement - SD Gravity Sludge Thickeners - SD Gravity Sludge Thickeners

29-Mar-16 A

19-Aug-19

03-Jul-20 A

17-Aug-20

1.6.3

Design-Builder Contract Duration - SD Gravity Sludge Thickeners

06-Jul-20 A

18-Aug-20

30-Oct-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

12-Oct-23

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

Actual Project Phase Summary

Actual Work

Remaining Work

Critical Re...

Milestone

MIAMI-DADE WATER & SEWER DEPARTMENT

CONSENT DECREE PROGRAM SCHEDULE

CURRENT VS APPROVED EPA DATES

QUALITY.VALUE.ECONOMIC GROWTH.

WWW.MIAMIDADE.GOV/WATER

MIAMI-DADE COUNTY

Date

Revision

Checked

Approved

14-Jul-14

Revision 0

GSR

DH

15-Jun-23

May 2023 Update

17-Jul-23

June 2023 Update

20-Jul-23

May 2023 Update - Amended

20-Jul-23

June 2023 Update - Amended



WASD Consent Decree Schedule - June 2023 Update - Amended			EPA Milestone Layout w/ compliance dates				20-Jul-23 15:10 - Page No. 2 of 10																														
EPA Interim Milestone ID	Activity Name	Actual/Forecast Start	EPA Interim Milestone Start Date	Actual/Forecast Finish	EPA Interim Milestone Finish Date	18Q	2019Q	2019Q	2019Q	2020Q	2020Q	2020Q	2021Q	2021Q	2021Q	2022Q	2022Q	2022Q	2023Q	2023Q	2023Q	2024Q	2024Q	2024Q	2025Q	2025Q	2025Q	2026Q	2026Q	2026Q	2027Q	2027Q	2027Q				
1.8.2	Procurement - SD Dewatering Facilities	29-Mar-16 A	13-Apr-16	03-Jul-20 A	09-Jan-18																																
1.8.3	Design-Builder Contract Duration - SD Dewatering Facilities	06-Jul-20 A	10-Jan-18	30-Oct-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	14-Jan-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	31-Aug-23	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	30-Aug-16 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

▽

 Compliance Dates Actual Project Phase Summary Actual Work Remaining Work

Critical Re...

◆

 Milestone

MIAMI-DADE WATER & SEWER DEPARTMENT

CONSENT DECREE PROGRAM SCHEDULE

CURRENT VS APPROVED EPA DATES

QUALITY.VALUE.ECONOMIC GROWTH.

WWW.MIAMIDADE.GOV/WATER

MIAMI-DADE COUNTY

Date	Revision	Checked	Approved
14-Jul-14	Revision 0	GSR	DH
15-Jun-23	May 2023 Update		
17-Jul-23	June 2023 Update		
20-Jul-23	May 2023 Update - Amended		
20-Jul-23	June 2023 Update - Amended		





[illegible]

WASD Consent Decree Schedule - June 2023 Update - Amended			EPA Milestone Layout w/ compliance dates				20-Jul-23 15:10 - Page No. 5 of 10																											
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	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q		
	2.19.3	Procurement - CD Co-Gen Improvements	12-Mar-14 A	17-Aug-16	29-Nov-18 A	30-Mar-18																												
	2.19.4	Construction - CD Co-Gen Improvements	30-Jul-14 A	17-Aug-17	30-Nov-23	21-May-20																												
2.21 Pump Station No.1																																		
	2.21.1	Engineering Design - CD Pump Station No. 1	13-Aug-15 A	01-Oct-16	11-May-17 A	30-Jun-17																												
	2.21.2	Permitting - CD Pump Station No. 1	15-May-17 A	01-Jul-17	08-Jan-18 A	05-Feb-18																												
	2.21.3	Procurement - CD Pump Station No. 1	08-Dec-17 A	06-Feb-18	10-Jun-18 A	05-Feb-19																												
	2.21.4	Construction - CD Pump Station No. 1	07-Sep-16 A	06-Feb-19	19-Dec-19 A	26-Feb-21																												
2.22 Pump Station No.2																																		
	2.22.1	Engineering Design - CD Pump Station No. 2	13-Apr-15 A	01-Oct-14	13-Apr-16 A	05-Feb-15																												
	2.22.2	Permitting - CD Pump Station No. 2	13-Apr-16 A	06-Feb-15	02-Dec-16 A	15-Dec-16																												
	2.22.3	Procurement - CD Pump Station No. 2	15-Jul-16 A	29-Jul-16	23-Jan-17 A	04-Feb-17																												
	2.22.4	Construction (Summary) - CD Pump Station No. 2	24-Jan-17 A	05-Feb-17	27-Aug-23	25-May-19																												
2.23 O2 Plant Process Controls Phase 2																																		
	2.23.1	Engineering Design - CD O2 Plant Process Controls Phase 2	01-Oct-13 A	01-Oct-13	20-Dec-13 A	02-Feb-14																												
	2.23.2	Permitting - CD O2 Plant Process Controls Phase 2	01-Oct-13 A	03-Feb-14	20-Dec-13 A	02-Feb-15																												
	2.23.3	Procurement - CD O2 Plant Process Controls Phase 2	03-Jun-14 A	03-Feb-15	13-Apr-15 A	02-Feb-16																												
	2.23.4	Construction - CD O2 Plant Process Controls Phase 2	20-Apr-15 A	03-Feb-16	25-Apr-16 A	09-Mar-17																												
2.24 Gas Monitoring and Alarms																																		
	2.24.1	Engineering Design - CD Gas Monitoring and Alarms	13-Apr-15 A	01-Jan-15	11-Aug-15 A	04-Mar-15																												
	2.24.4	Construction - CD Gas Monitoring and Alarms	12-Oct-16 A	04-Mar-17	29-Sep-17 A	19-Sep-17																												
2.25 Ventilation Improvements																																		
	2.25.1	Engineering Design - CD Ventilation Improvements	11-Jun-14 A	01-Jan-21	11-May-17 A	07-Jul-21																												
	2.25.2	Permitting - CD Ventilation Improvements	30-Sep-15 A	08-Jul-21	08-Jan-18 A	07-Jul-22																												
	2.25.3	Procurement - CD Ventilation Improvements	07-Mar-16 A	08-Jul-22	10-Jun-18 A	07-Jul-23																												
	2.25.4	Construction - CD Ventilation Improvements	30-Aug-16 A	08-Jul-23	23-Aug-21 A	27-Feb-25																												
2.26 Rehabilitation of Walkways and Stairways																																		
	2.26.1	Construction - CD Rehab of Walkways & Stairways (by WASD)	01-Oct-13 A	01-Oct-13	26-Apr-27	27-Sep-27																												
2.27 Oxygen Production																																		
	2.27.1	Engineering Design (summary) - CD Oxygen Production	13-Apr-15 A	01-Jan-15	21-Jun-17 A	15-Jul-17																												
	2.27.2	Procurement (Summary) - CD Oxygen Production & Site Preparation	05-Jun-17 A	16-Jul-17	28-Dec-18 A	15-Jul-18																												
	2.27.3	Construction (Summary) - CD Oxygen Production & Site Preparation	29-Mar-19 A	16-Jul-18	28-Sep-21 A	13-Feb-22																												
2.28 SCADA RTU Upgrades																																		
	2.28.1	Construction - CD SCADA RTU Upgrades	01-Oct-13 A	01-Oct-13	10-Feb-14 A	29-Mar-14																												
2.29 High Strength Influent Impact Study																																		
	2.29.1	Engineering Study - CD High Strength Influent Study Impact	12-Feb-13 A	12-Feb-13	29-May-14 A	24-Jun-14																												
3. North District WWTP																																		
3.01 Headworks and Sludge Degritting & Transfer																																		
	3.1.1	Engineering Design - ND Headworks & Sludge Degritting	20-Mar-13 A	20-Mar-13	11-Jul-14 A	19-Sep-14																												
	3.1.2	Permitting - ND Headworks & Sludge Degritting	11-Jun-14 A	11-Jul-14	30-Sep-15 A	05-Sep-15																												
	3.1.3	Procurement - ND Headworks & Sludge Degritting	08-Apr-15 A	01-Oct-14	01-Nov-15 A	03-Dec-15																												
	3.1.4	Construction Phase 1: Screens - ND Headworks & Sludge Degritting	02-Nov-15 A	23-Dec-15	30-May-17 A	07-Apr-18																												
	3.1.5	Construction Phase 2: Building Improvements - ND Headworks & Sludge Degritting	02-Nov-15 A	04-Dec-15	06-Dec-17 A	07-Apr-18																												
3.02 Primary Clarifiers and Odor Control																																		

Remaining Project Phase Summary Compliance Dates Actual Project Phase Summary Actual Work Remaining Work

Critical Re... Milestone

MIAMI-DADE WATER & SEWER DEPARTMENT

CONSENT DECREE PROGRAM SCHEDULE

CURRENT VS APPROVED EPA DATES

QUALITY.VALUE.ECONOMIC GROWTH.

WWW.MIAMIDADE.GOV/WATER

MIAMI-DADE COUNTY

Date	Revision	Checked	Approved
14-Jul-14	Revision 0	GSR	DH
15-Jun-23	May 2023 Update		
17-Jul-23	June 2023 Update		
20-Jul-23	May 2023 Update - Amended		
20-Jul-23	June 2023 Update - Amended		

<



WASD Consent Decree Schedule - June 2023 Update - Amended			EPA Milestone Layout w/ compliance dates				20-Jul-23 15:10 - Page No. 7 of 10																											
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	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q			
3.11 SCADA RTU Upgrades																																		
3.11.1	Construction - ND SCADA RTU Upgrades		30-Sep-13 A	01-Oct-13	26-Nov-14 A	24-Mar-15																												
4. Wastewater Collection & Transmission Line																																		
4.01 Collection System I/I Repairs																																		
4.1.1	Construction - Collection System I/I Repair		01-Oct-13 A	01-Oct-13	27-Sep-27	27-Sep-27																												
4.02 Government Cut FM - Phase 1&2																																		
4.2.1	Construction - Government Cut FM Phase 1 & 2		01-Oct-11 A	01-Oct-12	30-Sep-13 A	30-Sep-13																												
4.03 Government Cut FM - Phase 3																																		
4.3.1	Engineering Design (DCP) - Government Cut FM Phase 3		30-Jan-13 A	30-Jan-13	22-Jan-14 A	22-Jan-14																												
4.3.2	Permitting - Government Cut FM Phase 3		02-May-14 A	14-Jul-14	19-Jul-15 A	10-Dec-14																												
4.3.3	Procurement - Government Cut FM Phase 3		28-Feb-13 A	08-May-14	22-Jan-14 A	07-May-15																												
4.3.4	Construction - Government Cut FM Phase 3		23-May-14 A	08-May-15	23-Nov-16 A	08-Apr-17																												
4.04 North Dade 72 inch PCCP FM Rehabilitation																																		
4.4.1	Engineering Design (DCP) - North Dade 72" PCCP FM Rehab		13-May-13 A	01-Oct-13	15-Feb-14 A	06-Mar-14																												
4.4.2	Permitting - North Dade 72" PCCP FM Rehab		10-Mar-15 A	04-Oct-14	27-Nov-15 A	06-Mar-15																												
4.4.3	Procurement - North Dade 72" PCCP FM Rehab		03-Feb-14 A	07-Mar-15	04-Mar-15 A	05-Mar-16																												
4.4.4	Construction - North Dade 72" PCCP FM Rehab		30-Sep-15 A	09-Jul-17	05-May-16 A	05-Mar-18	5-Mar-18																											
4.05 South Dade 54 inch PCCP FM Rehabilitation																																		
4.5.1	Engineering Design - South Dade 54" PCCP FM Rehab		05-Aug-14 A	05-Aug-14	01-Oct-15 A	20-Feb-15																												
4.5.2	Permitting - South Dade 54" PCCP FM Rehab		14-Oct-15 A	04-Jan-16	19-Feb-16 A	02-Jan-17																												
4.5.3	Procurement - South Dade 54" PCCP FM Rehab		03-Jun-16 A	07-Apr-15	26-Sep-16 A	15-Dec-16																												
4.5.4	Construction - South Dade 54" PCCP FM Rehab		26-Sep-16 A	16-Dec-16	14-Sep-18 A	23-Dec-18	23-Dec-18																											
4.06 Replacement of Tamiami Canal Aerial Crossing FM's at NW 37 Ave																																		
4.6.1	Engineering Design - Replace Tamiami Canal/NW 37 Ave Crossing		11-Dec-12 A	01-Oct-13	11-Mar-13 A	02-Jan-14																												
4.6.2	Permitting - Replace Tamiami Canal/NW 37 Ave Crossing		12-Mar-13 A	03-Jan-14	11-May-13 A	02-Jan-15																												
4.6.3	Procurement - Replace Tamiami Canal/NW 37 Ave Crossing		13-May-13 A	03-Jan-15	03-Oct-13 A	02-Jan-16																												
4.6.4	Construction - Replace Tamiami Canal/NW 37 Ave Crossing		07-Oct-13 A	03-Jan-16	27-May-14 A	29-Oct-16																												
4.07 Replacement of 18 inch DIP FM in Miami Lakes																																		
4.7.1	Engineering Design - Replace 18" DIP FM in Miami Lakes		11-Mar-12 A	01-Nov-13	08-May-14 A	08-May-14																												
4.7.2	Permitting - Replace 18" DIP FM in Miami Lakes		09-Jun-14 A	09-Jun-14	23-Oct-14 A	05-Mar-15																												
4.7.3	Procurement - Replace 18" DIP FM in Miami Lakes		24-Oct-14 A	06-Mar-15	01-Jun-15 A	04-Mar-16																												
4.7.4	Construction - Replace 18" DIP FM in Miami Lakes		02-Jun-15 A	05-Mar-16	07-Dec-15 A	09-Apr-17																												
4.08 Rehabilitation of 54 inch PCCP FM in the City																																		
4.8.1	Engineering Design (DCP) - Rehab 54" PCCP FM in the City		12-Mar-15 A	06-Oct-14	11-Nov-15 A	03-Apr-15																												
4.8.2	Permitting - Rehab 54" PCCP FM in the City		11-Jul-15 A	04-Apr-15	22-Jul-15 A	29-Dec-15																												
4.8.3	Procurement - Rehab 54" PCCP FM in the City		23-Jan-16 A	06-Mar-15	26-Sep-16 A	08-Jul-16																												
4.8.4	Construction - Rehab 54" PCCP FM in the City		27-Sep-16 A	20-Sep-16	16-Jun-17 A	28-May-17	7-May-17																											
4.09 Replace Approximately 30 miles of AC FM Transmission System																																		
4.9.1	Engineering Design - Replace ~30 miles of AC FM Trans System		28-Aug-12 A	01-Nov-13	06-May-19 A	09-Oct-14	09-Oct-14																											
4.9.2	Permitting - Replace ~30 miles of AC FM Trans System		05-Aug-13 A	10-Oct-14	04-Sep-18 A	12-Nov-18	12-Nov-18																											
4.9.3	Procurement - Replace ~30 miles of AC FM Trans System		16-Dec-13 A	10-Oct-15	08-Oct-19 A	11-Apr-19	11-Apr-19																											
4.9.4	Construction - Replace ~30 miles of AC FM Trans System		14-Apr-14 A	09-Oct-16	05-Jun-20 A	17-Oct-20	17-Oct-20																											
4.10 Opa-Locka Airport 48" PCCP Force Main Replacement																																		

WASD Consent Decree Schedule - June 2023 Update - Amended			EPA Milestone Layout w/ compliance dates				20-Jul-23 15:10 - Page No. 8 of 10																
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								
4.10.1	Engineering Design - Replace 48" PCCP FM @ Opa-Locka Airport	17-Dec-14 A	06-Oct-14	05-May-16 A	23-Apr-15																		
4.10.2	Permitting - Replace 48" PCCP FM @ Opa-Locka Airport	30-Jul-15 A	29-Jul-14	14-Jun-16 A	23-Jul-16																		
4.10.3	Procurement - Replace 48" PCCP FM @ Opa-Locka Airport	04-May-16 A	24-Jul-16	19-Dec-16 A	29-Dec-16																		
4.10.4	Construction - Replace 48" PCCP FM @ Opa-Locka Airport	12-Oct-16 A	23-Oct-16	11-May-18 A	25-Oct-18	▽	25-Oct-18																
5. Sewer Pump Station System																							
5.01 Upgrade of PS#0418																							
5.1.1	Engineering Design - Upgrade PS#0418	01-Nov-13 A	01-Nov-13	12-May-14 A	06-Jun-14																		
5.1.2	Permitting - Upgrade PS#0418	21-Jul-14 A	14-Jul-14	13-Aug-15 A	17-Jun-15																		
5.1.3	Procurement - Upgrade PS#0418	13-Aug-15 A	07-Jun-15	27-May-16 A	05-Jun-16																		
5.1.4	Construction - Upgrade PS#0418	28-May-16 A	06-Jun-16	08-Nov-19 A	22-Oct-19			▽	22-Oct-19														
5.02 Upgrade of PS#0691																							
5.2.1	Engineering Design - Upgrade PS#0691	26-Nov-14 A	07-Oct-14	31-Mar-15 A	09-Sep-16																		
5.2.2	Permitting (City of Homestead) - Upgrade PS#0691	01-Apr-15 A	10-Aug-14	30-Jul-15 A	08-Mar-17																		
5.2.3	Procurement (City of Homestead) - Upgrade PS#0691	31-Jul-15 A	09-Mar-17	15-Jan-16 A	03-Dec-17	ec-17																	
5.2.4	Construction (City of Homestead) - Upgrade PS#0691	03-Jan-17 A	04-Dec-17	08-Nov-19 A	27-Jan-19			▽	27-Jan-19														
5.03 Upgrade of PS#0692																							
5.3.1	Engineering Design - Upgrade PS#0692	26-Nov-14 A	07-Oct-14	08-Nov-16 A	15-May-15																		
5.3.2	Permitting - Upgrade PS#0692	08-Nov-16 A	10-Aug-14	02-Oct-17 A	30-Aug-17	g-17																	
5.3.3	Procurement - Upgrade PS#0692	04-Aug-17 A	01-Sep-17	23-Jan-19 A	05-Oct-17			05-Oct-17															
5.3.4	Construction - Upgrade PS#0692	28-Jan-19 A	06-Oct-17	17-Nov-20 A	17-Jun-20				▽	17-Jun-20													
5.04 Replacement of Switchgear PS#0414 and Generator Replacement																							
5.4.1	Engineering Design - PS#0414	09-Feb-15 A	07-Oct-14	30-Mar-16 A	13-May-15																		
5.4.2	Permitting - PS#0414	25-May-16 A	14-May-15	15-Jun-17 A	15-Jul-17																		
5.4.3	Procurement - PS#0414	15-Nov-16 A	08-Jun-15	20-Sep-17 A	15-Aug-17	r-17																	
5.4.4	Construction - PS#0414	21-Sep-17 A	16-Aug-17	11-Jun-19 A	15-Jun-19			▽	15-Jun-19														
5.05 Replacement of Switchgear and Rehabilitation of Wetwell PS#0415																							
5.5.1	Engineering Design - PS#0415	09-Feb-15 A	07-Oct-14	30-May-16 A	24-Apr-16																		
5.5.2	Permitting - PS#0415	31-May-16 A	10-Aug-14	30-May-17 A	30-Aug-17	-17																	
5.5.3	Procurement - PS#0415	17-Nov-16 A	03-Dec-16	10-Oct-17 A	15-Oct-17	t-17																	
5.5.4	Construction - PS#0415	11-Oct-17 A	16-Oct-17	13-Nov-19 A	02-Sep-19			▽	02-Sep-19														
5.06 Replacement of Switchgear PS#0416																							
5.6.1	Engineering Design - PS#0416	06-Feb-15 A	07-Oct-14	24-May-16 A	13-May-15																		
5.6.2	Permitting - PS#0416	24-May-16 A	14-May-15	09-May-17 A	31-May-17																		
5.6.3	Procurement - PS#0416	15-Nov-16 A	08-Jun-15	18-Jul-17 A	15-Aug-17	17																	
5.6.4	Construction - PS#0416	20-Jul-17 A	16-Aug-17	11-Jun-19 A	13-Jun-19			▽	13-Jun-19														
5.07 Replacement of Switchgear and Rehabilitation of Wetwell PS#0417																							
5.7.1	Engineering Design - PS#0417	06-Feb-15 A	07-Oct-14	30-May-16 A	16-Apr-16																		
5.7.2	Permitting - PS#0417	30-May-16 A	10-Aug-14	01-Aug-17 A	31-Jul-17	y																	
5.7.3	Procurement - PS#0417	09-Dec-16 A	01-Feb-17	25-Jan-18 A	30-Sep-17	Sep-17																	
5.7.4	Construction - PS#0417	12-Feb-18 A	01-Oct-17	01-Jul-20 A	25-Jul-20				▽	25-Jul-20													
5.08 Replacement of Electrical and Mechanical Equipment in PS#0107																							
5.8.1	Engineering Design - PS#0107	08-Jun-15 A	07-Oct-14	16-Sep-15 A	09-Sep-16																		
5.8.2	Permitting - PS#0107	13-Oct-15 A	10-Aug-14	24-Mar-16 A	08-Mar-17																		

Remaining Project Phase Summary

Actual Project Phase Summary

Actual Work

Remaining Work

Critical Re...

Milestone

MIAMI-DADE WATER & SEWER DEPARTMENT

CONSENT DECREE PROGRAM SCHEDULE

CURRENT VS APPROVED EPA DATES

QUALITY.VALUE.ECONOMIC GROWTH.

WWW.MIAMIDADE.GOV/WATER

MIAMI-DADE COUNTY

Date	Revision	Checked	Approved
14-Jul-14	Revision 0	GSR	DH
15-Jun-23	May 2023 Update		
17-Jul-23	June 2023 Update		
20-Jul-23	May 2023 Update - Amended		
20-Jul-23	June 2023 Update - Amended		

[illegible]

[illegible]

**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 - March 2023)**  
**(On an accrual basis )**

<i>In Thousands</i>	Semi-Annual	
	Audited Oct-Sep	Unaudited Oct-Mar
<b>Wastewater System</b>	<b>FY 21-22 Actual</b>	<b>FY 22-23 Actual</b>
<b>Revenues:</b>		
Wastewater System Operating Revenues	\$473,058	\$243,619
Interest Income	\$4,222	\$14,668
Other Adjustments (net change accruals&payables)	\$16,190	\$0
Transferred From WASD Water Operations <b>(*Occurs at Year-end flow of funds - after audit)</b>	\$79,795	\$0
<b>Total Revenues:</b>	<b>\$573,265</b>	<b>\$258,287</b>
<b>Expenditures:</b>		
Wastewater System Operating & Maintenance Expenditures	(\$293,563)	(\$152,530)
Debt Service - Existing (net of Swap receipts)	(\$198,608)	(\$123,927)
Operating Revenues Transferred To Wastewater Capital Funds (Renewal & Replacement/Special Construction)	(\$79,000)	\$0
Operating Revenues Transferred <b>(To)</b> From Bond Required Reserve	(\$2,094)	(\$2,055)
Transferred To WASD Water Operations	\$0	\$0
<b>Total Expenditures Operating and Non-Operating</b>	<b>(\$573,265)</b>	<b>(\$278,512)</b>
<b>Net Overage/(Deficit) in Wastewater System Revenues *</b>	<b>\$0</b>	<b>(\$20,225)</b>
<b>% Increase for Net <i>Deficit</i></b>	<b>0.00%</b>	<b>0.00%</b>

**\* 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	\$82,900	\$85,884
Water and Wastewater Rate Stabilization Fund Balance	\$30,534	\$30,534
Water and Sewer General Reserve Fund Beginning Balance	\$79,708	\$81,362
Water and Wastewater Systems Transfer to/(from) General Reserve *	\$1,654	\$0
Water and Sewer General Reserve Fund Ending Balance	\$81,362	\$81,362

**Miami-Dade Water and Sewer Department**  
**Statement of Revenues, Expenses and Changes in Net Position**  
**WASTEWATER - Wastewater Funds**  
**For 6 Months Ending March 31, 2023**

Report Id: WGLZ11B  
Run on: 04/13/23 08:40 AM  
Source: GL

	Unaudited FY 2023			FY 2022	
	Actual	Budget	Variance Fav/(Unfav)	Actual	Variance Fav/(Unfav)
<b>OPERATING REVENUES</b>					
Retail Water	-	-	-	-	-
Retail Wastewater	182,064,578.58	181,088,112.00	976,466.58	172,100,647.19	9,963,931.39
Wholesale Water	-	-	-	-	-
Wholesale Wastewater	51,957,086.69	45,850,434.00	6,106,652.69	43,425,237.54	8,531,849.15
Other Revenues	9,597,445.95	6,638,707.00	2,958,738.95	6,534,337.14	3,063,108.81
<b>TOTAL OPERATING REVENUES</b>	<b>243,619,111.22</b>	<b>233,577,253.00</b>	<b>10,041,858.22</b>	<b>222,060,221.87</b>	<b>21,558,889.35</b>
<b>OPERATING &amp; MAINTENANCE EXPENSES</b>					
Water Source of Supply	-	-	-	-	-
Water Pumping	-	-	-	-	-
Water Treatment and Purification	-	-	-	-	-
Water Transmission and Distribution	-	-	-	-	-
Sewer Collection	18,601,476.25	18,016,212.57	(585,263.68)	16,279,599.06	(2,321,877.19)
Sewer Pumping	31,411,413.23	28,227,133.25	(3,184,279.98)	26,192,616.13	(5,218,797.10)
Sewer Treatment and Disposal	65,669,223.37	57,820,632.82	(7,848,590.55)	59,283,511.94	(6,385,711.43)
Customer Accounting	1,900,104.39	2,132,283.25	232,178.86	1,944,301.45	44,197.06
Customer Service	6,781,963.94	6,047,380.18	(734,583.76)	5,259,999.73	(1,521,964.21)
General and Administration	28,165,309.69	32,990,323.06	4,825,013.37	24,472,880.16	(3,692,429.53)
Fringes and Overhead	-	-	-	-	-
Stores Overhead	-	-	-	-	-
Vehicle Overhead	-	-	-	-	-
<b>TOTAL OPERATING &amp; MAINTENANCE EXPENSES</b>	<b>152,529,490.87</b>	<b>145,233,965.13</b>	<b>(7,295,525.74)</b>	<b>133,432,908.47</b>	<b>(19,096,582.40)</b>
<b>OPERATING INCOME BEFORE DEPRECIATION</b>	<b>91,089,620.35</b>	<b>88,343,287.87</b>	<b>2,746,332.48</b>	<b>88,627,313.40</b>	<b>2,462,306.95</b>
Depreciation	79,167,730.91	-	(79,167,730.91)	79,218,573.88	50,842.97
<b>OPERATING INCOME (LOSS)</b>	<b>11,921,889.44</b>	<b>88,343,287.87</b>	<b>(76,421,398.43)</b>	<b>9,408,739.52</b>	<b>2,513,149.92</b>
<b>NON-OPERATING REVENUE (EXPENSE)</b>					
Customer Connection Fees	15,725,430.64	-	15,725,430.64	17,142,566.18	(1,417,135.54)
Other Revenue	332,602.12	-	332,602.12	96,961.39	235,640.73
Other Expense	-	-	-	-	-
Change in Fair Value	-	-	-	-	-
Interest Income	13,132,672.26	-	13,132,672.26	813,639.01	12,319,033.25
Interest Expense	(51,799,787.57)	-	(51,799,787.57)	(54,957,181.19)	3,157,393.62
Capitalized Interest	-	-	-	-	-
Amortization of Debt Issue	(2,952,595.92)	-	(2,952,595.92)	(3,067,709.52)	115,113.60
Operating Disaster Revenue	-	-	-	-	-

**Miami-Dade Water and Sewer Department**  
**Statement of Revenues, Expenses and Changes in Net Position**  
**WASTEWATER - Wastewater Funds**  
**For 6 Months Ending March 31, 2023**

Report Id: WGLZ11B  
Run on: 04/13/23 08:40 AM  
Source: GL

	Unaudited FY 2023			FY 2022	
	Actual	Budget	Variance Fav/(Unfav)	Actual	Variance Fav/(Unfav)
Operating Grants	-	-	-	-	-
Job Order Recovery	488,876.58	-	488,876.58	314,443.36	174,433.22
Job Order Expenses	(800,142.57)	-	(800,142.57)	(456,263.92)	(343,878.65)
Gen Fund Admin Support Fee	-	-	-	-	-
Non-Operating Transfers	-	-	-	-	-
Non-Operating Activity	-	-	-	-	-
Non-O&M Activity	-	-	-	-	-
<b>TOTAL NON-OPERATING REVENUE (EXPENSE)</b>	<b>(25,872,944.46)</b>	<b>-</b>	<b>(25,872,944.46)</b>	<b>(40,113,544.69)</b>	<b>14,240,600.23</b>
<b>INCOME (LOSS) BEFORE CAPITAL CONTRIBUTIONS</b>	<b>(13,951,055.02)</b>	<b>88,343,287.87</b>	<b>(102,294,342.89)</b>	<b>(30,704,805.17)</b>	<b>16,753,750.15</b>
Capital Contributions	7,043,943.67	-	7,043,943.67	6,546,603.72	497,339.95
<b>INCREASE (DECREASE) IN NET POSITION</b>	<b>(6,907,111.35)</b>	<b>88,343,287.87</b>	<b>(95,250,399.22)</b>	<b>(24,158,201.45)</b>	<b>17,251,090.10</b>

**Miami-Dade Water and Sewer Department**  
**GL O&M Expense Analysis by O&M Activity**  
**As of March 31, 2023**

Report Id: WFR018  
Run on: 07/10/23 12:46 PM  
Source: GL

		Annual Budget 2023	YEAR-TO-DATE (OCTOBER - MARCH 2023)			
			Actual 2023	Budget 2023	Actual 2022	Budget 2022
OPERATING & MAINTENANCE EXPENSES						
100057	OM Activity - GL use only (SC)	581,560	493,665	290,780	668,932	288,500
225002	Sewer Collection & Trans (SC)	-	-	-	-	134,327
226002	Sewer Collection & Trans (SC)	20,350	16,339	5,344	109,990	103,428
260004	Security Services (SC)	850,000	481,649	399,075	371,409	327,530
260110	Communications (SC)	303,906	250,040	152,316	137,041	151,768
260402	Damages (SC)	-	-	-	6,886	14,575
350105	Construction Mgmt (SC)	-	319,606	-	212	-
520101	Install. of Elect Equip (SC)	-	1,053	-	-	-
520121	Maint. of Elect Equip (SC)	-	1,957	-	-	-
520521	Grounds Installs/Landscp (SC)	-	2,168	-	503	-
520601	Indoor Air Qly Insp Compl (SC)	-	-	-	-	11,698
520621	Install Mech/Hvac-Refr Eq (SC)	-	4,296	-	10,818	-
520661	Maint. of Mech Hvac Equip (SC)	-	-	-	-	50
520777	Maint. of Plumbing Equip (SC)	-	-	-	927	-
520871	Misc Projects/Tasks (SC)	-	-	-	167	-
520913	Painting (SC)	-	2,150	-	-	-
520921	Structural Misc Task (SC)	-	88	-	3,451	-
620004	Sewer Collection & Trans (SC)	895,000	244,241	420,203	241,900	234,886
630117	Sewer Collection & Trans (SC)	-	-	-	-	1,170
711301	Sewer Meter Related Work (SC)	1,079,070	576,290	538,645	431,417	525,412
711302	Maint Swr Meter Vaults (SC)	-	185	-	-	-
810002	Sewer Collection Actv (SC)	-	121,113	-	2,670	-
811015	Telemetry/SCADA (SC)	76,900	13,967	74,303	13,034	74,059
840001	Admin. & General (SC)	7,728,253	3,183,898	3,574,336	3,659,784	1,634,306
840002	Facilities Maint (SC)	13,800	13,278	6,479	7,158	11,230
840101	Cleaning (SC)	3,367,629	2,016,725	1,647,113	1,952,654	1,605,978
840102	Evaluation/Review (SC)	850,879	454,005	427,050	479,728	343,383
840103	Force Main Inspection (SC)	-	-	-	10,761	42,351
840104	Inspection-Repair Shop (SC)	966,306	855,079	458,109	543,591	389,789
840105	Joint Grouting (SC)	102,500	610,131	51,004	68,376	36,344
840106	Lateral TV Inspection (SC)	245,509	543,307	122,845	470,188	100,350
840107	Manhole Inspections (SC)	-	30,427	-	6,726	-
840108	Manhole Sealing (SC)	-	349,049	-	493,878	171,345
840109	Metering-Conductivity (SC)	467,000	13,688	219,257	71,588	121,975
840110	Metering-Night Flow (SC)	-	166,008	-	144,907	-
840112	Special Projects Inspect (SC)	4,280,994	625,078	2,148,627	272,130	2,280,578
840114	Smoke Test (SC)	1,200	22,064	563	50,021	561
840117	I/I Contract - Inspection (SC)	1,700,000	-	798,150	(297,215)	935,800
840118	Sect Metal Sleeve Main Li (SC)	-	6,398	-	9,837	-
840119	Deroot Main Line (SC)	-	30,184	-	13,237	-
840120	Descale Main Line (SC)	-	29,666	-	18,355	-
840121	Heavy Clean Main Line (SC)	-	45,339	-	28,270	-
840122	Gravity Main CCTV Insp (SC)	327,700	1,191,698	163,463	1,199,143	14,500
840123	Grout Latrl Annular Space (SC)	-	110,075	-	(897)	-
840124	Smart Cover Inspections (SC)	-	43,464	-	7,559	-
840125	General Inspections (SC)	-	3,568	-	11,357	-
840126	Customer Complaints (SC)	-	28,816	-	1,895	-
840127	Critical Asset Pipes (SC)	-	7,970	-	6,307	-
840128	City Permitting and Insp (SC)	-	11,846	-	10,538	-
840129	Canal Crossing Inspection (SC)	-	11,685	-	-	-
840201	Air Rel Valve Maint & Ble (SC)	-	25,277	-	4,885	-
840202	Aut Air Rel Valve Install (SC)	-	-	-	991	-
840203	Autom Air Rel Valve Rep (SC)	-	59,313	-	66,879	-
840204	Dye Tests (SC)	-	24,046	-	14,844	-
840205	Force Main Installation (SC)	-	2,433	-	1,132	-
840206	Force Main Repairs (SC)	2,053,600	504,759	986,612	503,573	1,095,947
840207	Gravity Main Installation (SC)	-	46,061	-	(12)	-
840208	Gravity Main Point Reps (SC)	4,291,016	1,169,562	2,097,342	1,188,147	3,125,974
840209	Lateral Location (SC)	-	-	-	709	-

**Miami-Dade Water and Sewer Department**  
**GL O&M Expense Analysis by O&M Activity**  
**As of March 31, 2023**

Report Id: WFR018  
Run on: 07/10/23 12:46 PM  
Source: GL

		Annual Budget 2023	YEAR-TO-DATE (OCTOBER - MARCH 2023)			
			Actual 2023	Budget 2023	Actual 2022	Budget 2022
840210	Lateral Point Repairs (SC)	2,551,200	1,698,987	1,197,788	1,165,448	864,664
840211	Maint./Rep-Rep Shop (SC)	288,100	61,213	138,635	120,671	159,337
840212	Manhole Installation (SC)	-	5,637	-	(31)	-
840213	Manhole-Repairs (SC)	-	342,024	-	283,663	730,158
840214	Restoration (SC)	-	605,209	-	661,507	1,450
840215	Sewer Lateral Inspection (SC)	-	1,506	-	-	-
840216	Sewer Lateral Install. (SC)	-	705	-	3,650	-
840217	System Valve Exercising (SC)	4,186,398	1,046,522	2,097,667	885,357	2,328,760
840218	System Valve Installation (SC)	-	4,676	-	92,290	-
840219	System Valve Repair (SC)	-	5,916	-	7,295	-
840221	Special Projects-M&R Sec(SC)	-	1,144	-	(304)	-
840240	Assisting Other Divisions (SC)	-	1,999	-	20,050	-
840241	Smart Cover Maint/Repairs (SC)	-	62,067	-	19,541	-
850129	Metering (SC)	1,050	166	507	82	636
Sewer Collection		37,229,920	18,601,476	18,016,213	16,279,599	17,862,820
100058	OM Activity - GL use only (SP)	913,965	767,247	456,983	1,034,781	453,000
210003	Pump Stations (SP)	-	74,704	-	-	-
225001	Sewer Pumping (SP)	-	685	-	-	140,441
226003	Sewer Pumping (SP)	56,950	1,180	26,738	-	3,636
229001	Sewer Pumping (SP)	-	-	-	9,471	-
260005	Security Services (SP)	660,000	424,375	309,870	269,205	280,740
260120	Communications (SP)	361,849	256,558	181,561	239,789	130,549
350102	Construction Mgmt (SP)	-	16,154	-	11,747	-
520002	Admin. & General (SP)	25,000	(3,066)	11,738	-	12,000
520102	Install. of Elect Equip (SP)	-	612	-	-	-
520301	Fueling/Recovery Deliv (SP)	-	54,427	-	56,305	19,132
520522	Grounds Installs/Landscp (SP)	-	390	-	361	-
520542	Grounds Maint. Services (SP)	171,571	79,593	86,111	123,820	111,659
520622	Install Mech/Hvac-Refr Eq (SP)	-	3,862	-	3,754	-
520642	Maintenance Contracts (SP)	-	-	-	-	234
520662	Maint. of Mech Hvac Equip (SP)	1,550	4,596	728	11,947	702
520778	Maint. of Plumbing Equip (SP)	119,271	63,309	59,862	15,228	52,379
520872	Misc Projects/Tasks (SP)	-	11,446	-	148	-
520902	Carpentry (SP)	-	-	-	554	-
520914	Painting (SP)	-	-	-	404	-
520922	Structural Misc Task (SP)	718,753	331,530	360,742	45,350	319,587
630112	Hazardous Waste Disposal (SP)	5,000	517	2,348	-	2,500
630114	Sewer Pumping (SP)	163,100	28,817	76,575	6,624	41,202
811016	Telemetry/SCADA (SP)	2,306,904	1,417,090	1,163,710	1,313,766	549,659
830001	Adm&Gnl (SP)	2,031,630	1,192,784	984,934	1,043,520	803,831
830002	Adm&Gnl-Admin Support (SP)	775,805	265,456	389,345	326,564	964,936
830003	Adm&Gnl-Training (SP)	7,000	18,263	3,299	23,218	11,854
830004	Adm&Gnl-Supv (SP)	105,969	57,039	53,169	72,095	68,395
830005	Adm&Gnl-Other (SP)	307,800	465,561	145,738	518,046	201,866
830100	Odor Control (SP)	-	2,646	-	-	-
830101	Odor Ctrl-Maintenance (SP)	-	44,854	-	-	-
830102	Odor Ctrl-Other (SP)	-	1,254	-	-	-
830200	Operations (SP)	-	58,189	-	37,150	-
830201	OP-Shutdowns (SP)	-	-	-	-	106
830203	OP-Supv (SP)	1,818,517	964,708	912,212	657,156	453,527
830204	OP-Engineering (SP)	-	7,750	-	-	374
830205	OP-Operations (SP)	4,900	-	2,413	155	47
830206	OP-Other (SP)	9,158,308	1,842,374	4,593,516	1,391,695	4,411,511
830300	Equipment (SP)	9,495,000	5,245,458	4,669,178	2,993,834	3,769,351
830301	Equip-Routine (SP)	7,561,650	2,838,684	3,782,421	1,770,139	3,168,580
830302	Equip-Preventive (SP)	1,044,918	638,249	521,046	747,911	487,652
830303	Equip-Predictive (SP)	10,900	2,656	5,124	732	4,882
830304	Equip-Corrective (SP)	9,888,700	9,073,542	4,707,144	8,797,114	4,665,549
830305	Equip-Engineering (SP)	2,200	184	1,033	326	94
830306	Equip-Supervision (SP)	1,249,298	795,987	626,244	833,566	400,256

**Miami-Dade Water and Sewer Department**  
**GL O&M Expense Analysis by O&M Activity**  
**As of March 31, 2023**

Report Id: WFR018  
Run on: 07/10/23 12:46 PM  
Source: GL

		Annual Budget 2023	YEAR-TO-DATE (OCTOBER - MARCH 2023)			
			Actual 2023	Budget 2023	Actual 2022	Budget 2022
830307	Equip-Other (SP)	63,200	205,784	29,980	179,338	258,017
830401	GroundsRoutine (SP)	8,400	1,745	3,944	-	3,275
830404	GroundsCorrective (SP)	200	-	100	-	468
830405	GroundsEngineering (SP)	-	-	-	-	608
830407	GroundsOther (SP)	-	-	-	-	50
830500	Structures (SP)	54,300	104,334	25,518	20,110	24,618
830501	Struct-Routine (SP)	53,400	194,174	25,105	160,330	40,830
830502	Struct-Preventive (SP)	23,000	442,256	10,924	433,710	-
830503	Struct-Predictive (SP)	1,900	-	900	-	424
830504	Struct-Corrective (SP)	323,200	344,399	157,589	514,937	141,113
830505	Struct-Engineering (SP)	700	-	335	160	-
830506	Struct-Supervision (SP)	687,773	359,529	345,071	317,694	275,918
830507	Struct-Other (SP)	4,105,198	865,056	2,049,862	938,948	1,988,186
830603	RemAct/Spil-Shutdowns (SP)	-	577	-	-	59
830605	RemAct/Spil-Clean up (SP)	-	971	-	-	-
830700	Inspection (SP)	240,948	114,432	120,870	114,456	-
830703	Insp-ET's (SP)	67,900	136,986	31,940	172,406	19,535
830704	Insp-Prop Pump Stations (SP)	5,600	17,610	2,638	20,919	4,144
830705	Insp-Donations (SP)	1,000	-	470	-	-
830802	Gas Monit Calib-Materials (SP)	-	-	-	-	59,891
830900	Emergency (SP)	5,600	-	2,748	1,162	11,233
830901	Emerg - Hurrican Preparat (SP)	46,600	109,877	22,846	1,028	3,983
830902	Emerg-Hurricane Recovery (SP)	483,900	53,926	240,199	(63)	-
830904	Emergency - Run Generator (SP)	7,500	1,138	3,750	4,054	15,118
830906	Emergency - OPP (SP)	13,100	-	6,544	14,658	369
830907	Assist other Division (SP)	144,400	62,199	71,572	164,412	40,008
850130	Utilities Monitoring (SP)	1,527,500	1,027,458	755,939	683,925	725,059
850203	Assistance to Other Div (SP)	25,200	-	12,594	-	50
850209	Maint/Rep-Diesel Eqp/Gens(SP)	213,820	239,410	100,419	30,553	47,250
850213	Maint/Rep-Pump Stations (SP)	144,350	79,888	70,766	63,405	74,281
850220	Maint/Rep-Struct/Grounds (SP)	100	-	47	-	47
850222	Underground Piping/Valves (SP)	250	-	117	-	538
850226	Telemetry/SCADA (SP)	1,100	-	516	-	515
850228	Odor Control (SP)	100	-	47	-	468
Sewer Pumping		57,216,748	31,411,413	28,227,133	26,192,616	25,266,286
100059	OM Activity - GL use only (ST)	2,777,386	1,414,890	1,377,727	1,872,998	869,000
113002	Sewer System Damages (ST)	-	-	-	77,736	58,731
210001	Sewer Trmnt & Disposal (ST)	1,001,500	14,201	470,204	(100,965)	1,404,168
225003	Sewer Treatment Activity (ST)	633,218	223,719	317,644	392,853	243,670
226001	Sewer Treatment Activity (ST)	1,841,458	1,675,357	924,006	368,435	142,416
227001	Sewer Treatment Activity (ST)	2,900	549	1,362	436,512	525,882
228001	Sewer Treatment Activity (ST)	639,392	173,344	320,817	113,606	101,305
229002	Sewer Treatment Activity (ST)	-	-	-	425,918	632,173
260006	Security Services (ST)	2,000,000	950,069	939,000	596,904	1,029,380
330004	Sewer System Damages (ST)	-	91,881	-	-	-
350107	Construction Mgmt (ST)	-	306	-	-	-
520302	Fueling/Recovery Deliv (ST)	2,000	46,771	1,000	25,898	4,121
520463	Fire Protection System (ST)	-	64,373	-	984	-
520501	Grounds Contract Services (ST)	262,453	127,426	131,701	163,542	191,456
520523	Grounds Installs/Landscp (ST)	4,000	4,846	1,878	2,486	2,340
520543	Grounds Maint. Services (ST)	1,634,428	841,236	819,184	622,328	750,198
520623	Install Mech/Hvac-Refr Eq (ST)	-	14,955	-	1,709	-
520663	Maint. of Mech Hvac Equip (ST)	447,100	615,414	211,957	568,265	575,395
520873	Misc Projects/Tasks (ST)	-	1,082	-	5,831	-
520974	Rentals-Other Divisions (ST)	-	197,964	-	259,937	-
620001	Sewer Treatment Plant (ST)	-	-	-	864,130	938,607
630119	Sewer Treatment Plant (ST)	281,100	126,554	131,976	91,974	135,458
640021	Sewer Disposal Monitoring (ST)	500,500	-	250,235	-	-
740001	LabS Treat & Disp Exp (ST)	3,712,430	1,712,515	1,837,995	1,655,666	1,771,759
810003	Sewer Treatment Acty (ST)	709,000	308,306	332,876	(20,475)	280,740



**Miami-Dade Water and Sewer Department**  
**GL O&M Expense Analysis by O&M Activity**  
**As of March 31, 2023**

Report Id: WFR018  
Run on: 07/10/23 12:46 PM  
Source: GL

		Annual Budget 2023	YEAR-TO-DATE (OCTOBER - MARCH 2023)			
			Actual 2023	Budget 2023	Actual 2022	Budget 2022
811017	Telemetry/SCADA (ST)	3,866,534	1,721,260	1,962,064	1,507,363	2,261,704
811018	Main/Rep-Rad/Com Eq (ST)	84,000	18,023	39,999	20,241	25,262
811021	Instl/Rep/Cam/Surv Eq (ST)	243,858	137,701	122,328	128,144	105,583
850001	Admin. & General (ST)	40,583,627	24,474,716	20,255,120	22,917,023	18,303,293
850002	Adm&Gnl-CMMS (ST)	421,520	216,543	211,548	210,442	239,757
850003	Adm&Gnl-Supervision (ST)*	-	-	-	-	47
850004	Adm & Gnl-Permitting (ST)	49,700	15,617	23,349	5,241	53,036
850005	CDL Random Testing (ST)	-	300	-	-	50
850006	Training (ST)	19,300	13,709	9,061	19,039	13,119
850103	Emerg Power Generation (ST)	10,200	2,643	5,094	724	590
850104	Odor Control (ST)	7,908,808	5,146,285	3,940,443	3,013,926	3,364,123
850105	Effluent Pumping (ST)	100	9,769	47	-	468
850106	Pumping Stations (ST)	400	-	188	-	948
850109	Training (ST)	41,700	1,733	20,798	34,911	22,146
850111	Purchased Treatment (ST)	1,000	-	470	-	14,177
850112	Reuse Facility (ST)	250	-	117	-	639
850114	Sludge Cons & Diges Ops (ST)	300,200	171,904	140,944	53,981	928
850115	Dewatering (ST)	3,055,250	1,616,712	1,455,979	1,648,695	1,465,699
850116	Solids Handling (ST)	9,186,450	5,087,515	4,579,541	4,700,824	4,552,609
850117	Headworks (ST)	100	-	47	-	47
850119	Secondary Clarification (ST)	1,150	4,673	540	13,130	915
850120	O2 Generation (ST)	409,470	241,862	193,865	601,534	143,623
850121	Non Emer Power Generation (ST)	342,607	91,189	171,919	98,459	121,980
850122	Final Station (ST)	200	-	94	-	94
850123	Deep Well Injection (ST)	2,300,200	-	1,079,944	-	14,552
850124	Tanker Duty (ST)	-	-	-	-	295
850125	Biosolids Processing (ST)	350	-	164	-	167
850127	Vessel Cleaning (ST)	180,520	14,129	90,244	173,000	23,829
850128	Special Projects (ST)	86,200	32,220	43,063	31,135	63,273
850202	Other Maintenance (ST)	496,470	455,941	233,746	326,986	264,111
850204	Assistance to Other Div (ST)	3,900	9,488	1,906	8,918	13,956
850206	Emerg Actv/Emg Gen-Stby (ST)	1,300	135,792	610	28,740	101,968
850208	Maint/Rep-Co-Generation(ST)	737,214	682,532	360,611	634,681	390,794
850210	Maint/Rep-Diesel Eqp/Gens(ST)	3,288,955	1,588,798	1,619,668	1,158,568	1,397,557
850211	Maint/Rep-Plant Equipment (ST)	17,623,315	10,871,138	8,708,130	9,525,872	8,084,634
850212	Maint/Rep-Instnr/Ctrls/Mtrs(ST)	282,910	160,441	132,835	176,511	142,411
850214	Maint/Rep-Pump Stations (ST)	550	-	258	-	889
850215	Maint/Rep-Radio/Comm (ST)	300	-	141	-	140
850216	Maint/Rep-Cryogenic Plant (ST)	214,550	39,920	106,702	119,723	118,885
850217	Maint/Rep-Sldg Concntr/Digs(ST)	196,850	26,635	98,170	28,906	161,616
850218	Maint/Rep-Sldg Dewatering(ST)	136,000	9,696	64,218	21,879	1,616,918
850219	Maint/Rep-Sludge Handling (ST)	24,350	3,472	12,035	10,205	7,132
850221	Maint/Rep-Struct/Grounds (ST)	4,509,907	2,332,015	2,245,856	1,964,601	2,088,603
850223	Underground Piping/Valves (ST)	142,386	47,444	71,040	64,263	121,427
850225	Remedial Action/Spills (ST)	200	-	94	-	515
850227	Telemetry/SCADA (ST)	100	28,698	47	27,483	47
850230	Special Projects (ST)	3,523,547	1,652,953	1,748,033	1,582,094	1,471,453
Sewer Treatment and Disposal		116,725,368	65,669,223	57,820,633	59,283,512	56,432,808
TOTAL O&M EXPENSES		515,305,260	261,789,555	257,736,478	233,334,522	239,561,481
TOTAL DIRECT O&M WASTEWATER SYSTEM EXPENSES (SC, SP, ST)			115,682,113		101,755,727	
			Oct-Mar FY 2023		Oct-Mar FY 2022	

**Miami- Dade Water and Sewer Department**  
**Wastewater Capital Expenditures by Project/Sub-Projects**  
Data for 10/1/2022 through 3/31/2023

WASD Project #	OMB Project Name	WASD Subproject #	WASD Subproject Name	Total Semi Annual 10/2022 to 03/2023
1002	NORTH DISTRICT UPGRADES- WASTEWATER TREATMENT PLANT	101947	NDWWTP FA MONITORING WELLS TO MEET FDEP REQ.	\$ 6,275.42
1002	NORTH DISTRICT UPGRADES- WASTEWATER TREATMENT PLANT	102220	NT-3C - NDWWTP - EDB # 3 (Replacement Electrical Bldg.)(WIFIA 2)	\$ 607,226.33
1002	NORTH DISTRICT UPGRADES- WASTEWATER TREATMENT PLANT	102221	NDWWTP EFFLUENT PUMP STATION AND ELECTRICAL ANNEX	\$ 3,801.68
1003	CENTRAL DISTRICT UPGRADES- WASTEWATER TREATMENT PLANT	102205	2.21.02 PS 1 SEAWALL AND HARDENING PROJECT (FEMA)	\$ 79,598.35
1003	CENTRAL DISTRICT UPGRADES- WASTEWATER TREATMENT PLANT	102206	CD2.22.02 - PS 2 BEAUTIFICATION AND HARDENING CITY OF MIAMI (FEMA)	\$ 336,261.85
1003	CENTRAL DISTRICT UPGRADES- WASTEWATER TREATMENT PLANT	102223	CDWWTP - STORM HARDENING OF NEW HYPOCHLORITE BUILDING. MWH PLANS ALREADY AT 90% READY FOR PERMITTING	\$ 4,797.84
1003	CENTRAL DISTRICT UPGRADES- WASTEWATER TREATMENT PLANT	103024	CT-4 - CDWWTP - NEW MATERIALS MANAGEMENT BUILDING	\$ 354,935.39
1006	SOUTH DISTRICT WASTEWATER TREATMENT PLANT PROJECTS	102102	SDWWTP FA MONITORING WELL REPLACEMENT	\$ 1,650,683.18
1007	SOUTH DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT	102184	SDWWTP FOG RECOVERY STATION	\$ 63,310.96
1007	SOUTH DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT	103050	SDWWTP- POLYMER BUILDING AND MAIN SWITCH GEAR BUILDING HVAC	\$ 58,420.91
1008	NORTH DISTRICT FORCEMAIN NETWORK REHABILITATION AND UPGRADES	101768	WASD SERVICE AREA WEST OF I-75 AND NORTH OF NW 170 ST. (ADM AREA)	\$ 519,253.04
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	\$ 52,749.04
1008	NORTH DISTRICT FORCEMAIN NETWORK REHABILITATION AND UPGRADES	101985	LEHMAN CAUSEWAY	\$ 1,467,829.82
1008	NORTH DISTRICT FORCEMAIN NETWORK REHABILITATION AND UPGRADES	102072	NL-1A TO PHASE 1 & 2: 60" FM FROM BISCAYNE BLVD. TO N. MIAMI AVE. Phase 1 & 2	\$ 9,593,463.33
1008	NORTH DISTRICT FORCEMAIN NETWORK REHABILITATION AND UPGRADES	102245	OJUS SANITARY SEWER WITHIN THE OJUS URBAN AREA DISTRICT (DIRECTOR)	\$ 1,454,971.26
1008	NORTH DISTRICT FORCEMAIN NETWORK REHABILITATION AND UPGRADES	103018	REPLACE 18" DIP FM FROM PS 499 NORTH ON ISLAND BLVD TO PS 471	\$ 553,516.05
1008	NORTH DISTRICT FORCEMAIN NETWORK REHABILITATION AND UPGRADES	103032	AVENTURA TRANSMISSION MAIN	\$ 595,123.16
1008	NORTH DISTRICT FORCEMAIN NETWORK REHABILITATION AND UPGRADES	103036	FORCE MAIN REPLACEMENT FROM PS0491 TO MANHOLE ON 137 AT COLLINS AVE.	\$ -
1009	CENTRAL DISTRICT FORCEMAIN NETWORK REHABILITATION AND UPGRADES- INCLUDES CONNECT TO PROTECT	103035	CONNECT TO PROTECT - CONVERSION PROJECT 12,000 HOMES - PHASE 1	\$ 1,012,743.92
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))	\$ -
1011	FLOW REDUCTION PROGRAM (FRP)	100050	REHABILITATION OF SEWER MAINS DUE TO I/I - SECTIONAL LINING	\$ 1,075,829.43
1011	FLOW REDUCTION PROGRAM (FRP)	100890	REHABILITATION OF SEWER MAINS DUE TO I/I - CURED-IN-PLACE LINING	\$ 166,703.65
1011	FLOW REDUCTION PROGRAM (FRP)	102800	REHABILITATION OF SEWER MAINS - Dig and Replace, (Previously called Collection System I/I Repairs)	\$ 841,388.44
1011	FLOW REDUCTION PROGRAM (FRP)	103019	REHABILITATION OF SEWER MAINS - CIPP for WPO	\$ 589,141.14
1011	FLOW REDUCTION PROGRAM (FRP)	103020	REHABILITATION OF SEWER MAINS - Basin 1 - All Technologies	\$ 24,187.99
1011	FLOW REDUCTION PROGRAM (FRP)	103028	REHABILITATION OF SEWER MAINS - Basin 2 - All Technologies	\$ 54,589.59
1013	WASTEWATER FACILITIES MAINTENANCE, UPGRADES AND STORM/CONNECTIVITY IMPROVEMENTS	101461	WASTEWATER- STORM SHELTER AND PRIMARY CONTROL CENER	\$ 11,375.52
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	\$ 202,691.67
1019	SANITARY SEWER SYSTEM EXTENSION	100877	SANITARY SEWER SYSTEM EXTENSION	\$ 1,114,725.23
1019	SANITARY SEWER SYSTEM EXTENSION	101733	SANITARY SEWER SYSTEM EXTENSION FOR JPA's	\$ 43,401.72



WASD Project #	OMB Project Name	WASD Subproject #	WASD Subproject Name	Total Semi Annual 10/2022 to 03/2023
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)	\$ 9,884.14
1024	WASTEWATER SYSTEM MAINTENANCE AND UPGRADES	100622	WASTEWATER SYSTEM UPGRADES	\$ 11,392,606.40
1025	LIFT STATION UPGRADES AND STRUCTURAL MAINTENANCE IMPROVEMENTS	100623	LIFT STATION STRUCTURAL MAINTENANCE & UPGRADES	\$ 2,823,967.40
1027	WASTEWATER EQUIPMENT AND VEHICLES	100625	MISCELLANEOUS TOOLS AND EQUIPMENT	\$ 126.30
1027	WASTEWATER EQUIPMENT AND VEHICLES	101729	VEHICLES/TRANSPORTATION EQUIPMENT	\$ 2,976,768.48
1027	WASTEWATER EQUIPMENT AND VEHICLES	101730	HEAVY CONSTRUCTION EQUIPMENT	\$ 1,817,433.03
1029	WASTEWATER TREATMENT PLANTS REPLACEMENT AND RENOVATION	100627	WASTEWATER TREATMENT PLANTS REHABILITATION	\$ 9,968,835.90
1029	WASTEWATER TREATMENT PLANTS REPLACEMENT AND RENOVATION	101732	SECURITY PROJECTS	\$ 509,082.11
1040	OCEAN OUTFALL LEGISLATION PROGRAM	101867	CT-2A-1 - HLD Facilities (WIFIA 4)	\$ 462,141.47
1040	OCEAN OUTFALL LEGISLATION PROGRAM	102006	NT-2C - NDWWTP - HLD Facilities (WIFIA 4)	\$ 1,295,770.05
1040	OCEAN OUTFALL LEGISLATION PROGRAM	102007	NE-2 - NDWWTP - Municipal Injection Wells (WIFIA 1)	\$ 12,167,223.34
1040	OCEAN OUTFALL LEGISLATION PROGRAM	102008	NE-1 - NDWWTP - Municipal Injection Well PS (WIFIA 4)	\$ 663,743.39
1040	OCEAN OUTFALL LEGISLATION PROGRAM	102009	CE-1 - CDWWTP - Municipal Injection Well PS (WIFIA 4)	\$ 832,769.84
1040	OCEAN OUTFALL LEGISLATION PROGRAM	102010	CE-2 - CDWWTP - Municipal Injection Wells (WIFIA 1)	\$ 7,302,825.06
1040	OCEAN OUTFALL LEGISLATION PROGRAM	102080	NT-3 - NDWWTP - EDB # 2 (Electrical Bldg. for HLD)(WIFIA 2)	\$ 389,543.74
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	\$ (3,969,386.70)
1040	OCEAN OUTFALL LEGISLATION PROGRAM	102222	CT-3C-A - CDWWTP - EDB #2 (HLD)(WIFIA 2)	\$ 1,224,089.32
1040	OCEAN OUTFALL LEGISLATION PROGRAM	103006	CDWWTP - Preliminary Site Preparation (CT-2B)	\$ 18,038.57
1040	OCEAN OUTFALL LEGISLATION PROGRAM	103007	CT-3B - CDWWTP - O2 Train and Secondary Clarifiers (WIFIA 4)	\$ 51,247.48
1040	OCEAN OUTFALL LEGISLATION PROGRAM	103014	NT-2B- NDWWTP - Site Prep & Stormwater (WIFIA 4)	\$ 176,562.16
1041	GENERAL OBLIGATION BOND (GOB)	103037	WASTEWATER INFRASTRUCTURE REPLACEMENT UPGRADE - GOB	\$ -
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102501	SDWWTP - Oxygen Production	\$ 1,649,760.51
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102503	SDWWTP - Chlorine Building	\$ 144,328.24
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102504	SDWWTP - Effluent Pump Station	\$ 819,125.52
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102506	SDWWTP - Digesters and Control Buildings	\$ 1,476,135.17
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102507	SDWWTP - Dewatering Facility	\$ 12,501,523.97
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102509	SDWWTP - Odor Control	\$ 1,894,860.97
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102510	SDWWTP - General Electrical	\$ 1,674,147.13
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102600	CDWWTP - Electrical Improvements	\$ 304,415.09
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102602	CDWWTP - Headworks Plant 1	\$ 38,849.37
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102603	CDWWTP - Headworks Plant 2	\$ 2,681.95
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102606	CDWWTP - Secondary Clarifiers Plant 1	\$ 2,880.37
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102607	CDWWTP - Secondary Clarifiers Plant 2	\$ 919,058.26
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	\$ 1,278,218.44
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	\$ (91,633.13)
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102615	CDWWTP - Dewatering Building	\$ 16,011,048.44
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102616	CDWWTP - Chlorination Facilities	\$ 697.47

WASD Project #	OMB Project Name	WASD Subproject #	WASD Subproject Name	Total Semi Annual 10/2022 to 03/2023
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102618	CDWWTP - Co-Gen Facility	\$ 934,010.19
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	\$ 124,083.82
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	\$ 439,255.41
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102628	CONSENT DECREE PROGRAM MANAGEMENT & CONSTRUCTION MANAGEMENT	\$ (11,884,601.95)
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102700	NDWWTP - Headworks and Sludge Degritting Transfer	\$ 17,112.27
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102701	NDWWTP - Primary Clarifiers and Odor Control	\$ 3,507,549.56
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102703	NDWWTP - Oxygen Production	\$ 120,992.14
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102704	NDWWTP - Secondary Clarifiers	\$ 2,540,372.18
1044	CONSENT DECREE: WASTEWATER TREATMENT PLANTS PROJECTS	102705	NDWWTP - Disinfection	\$ 266,982.62
1045	CONSENT DECREE: WASTEWATER COLLECTION AND TRANSMISSION LINES PROJECTS	102808	Replace Approximately 25 miles of AC force mains	\$ 1,993.68
1045	CONSENT DECREE: WASTEWATER COLLECTION AND TRANSMISSION LINES PROJECTS	102809	Opa-Locka Airport 48" PCCP force main replacement	\$ 9,290.12
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	\$ 85,948.69
1046	CONSENT DECREE: SEWER PUMP STATION PROJECTS	102908	Replacement of Plumbing and Electrical Equipment at PS#0301	\$ 304,837.19
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	\$ 9,780.72
1047	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT (CONNECT 2 PROTECT PROGRAM)	103000	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT - GRAVITY AND FORCE MAINS	\$ 5,381,321.05
1047	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT (CONNECT 2 PROTECT PROGRAM)	103001	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT - PUMP STATIONS	\$ 165,347.02
1048	SOUTH DISTRICT EXPANSION WASTEWATER TREATMENT PLANT CAPACITY	102055	ST-1B - SDWWTP - Step Feed & Oxygenation Train Rehab(WIFIA 3)	\$ 18,478,409.20
1048	SOUTH DISTRICT EXPANSION WASTEWATER TREATMENT PLANT CAPACITY	102056	ST-2A SDWWTP - Headworks and Oxygenation Train(WIFIA 3)	\$ 26,459,480.62
1048	SOUTH DISTRICT EXPANSION WASTEWATER TREATMENT PLANT CAPACITY	102150	SE-2 - SDWWTP - Municipal Injection Wells (WIFIA 1)	\$ 40,969.11
1048	SOUTH DISTRICT EXPANSION WASTEWATER TREATMENT PLANT CAPACITY	103009	SDWWTP - Chlorine Contact & Wells PS (ST-2C)(WIFIA 3)	\$ 2,931,052.08
1048	SOUTH DISTRICT EXPANSION WASTEWATER TREATMENT PLANT CAPACITY	103010	SDWWTP - Clarifiers and HLD (ST-2B)(WIFIA 3)	\$ 14,553,497.07
1048	SOUTH DISTRICT EXPANSION WASTEWATER TREATMENT PLANT CAPACITY	103011	SDWWTP - Electrical Building (ST-2D-A)(WIFIA 2)	\$ 9,536,954.36
1048	SOUTH DISTRICT EXPANSION WASTEWATER TREATMENT PLANT CAPACITY	103015	ST- 2E - SDWWTP - RAS Piping(WIFIA 3)	\$ 225,413.46

WASD Project #	OMB Project Name	WASD Subproject #	WASD Subproject Name	Total Semi Annual 10/2022 to 03/2023
1048	SOUTH DISTRICT EXPANSION WASTEWATER TREATMENT PLANT CAPACITY	103041	ST-2D-B - SDWWTP - Substations 5/6 & 15/16 (WIFIA 2)	\$ 7,200,956.50
1048	SOUTH DISTRICT EXPANSION WASTEWATER TREATMENT PLANT CAPACITY	103042	CE-5 Additional Municipal Injection Wells (WIFIA 3)	\$ 2,523,771.63
1049	PUMP STATION REHABILITATION AND RESILIENCE PROGRAM (PSRRP)	101454	PUMP STATION IMPROVEMENT PROGRAM	\$ 2,525,197.79
1049	PUMP STATION REHABILITATION AND RESILIENCE PROGRAM (PSRRP)	101837	REPLACEMENT OF MOTOR CONTROL CENTERS AND SWITCHGEAR AT REGIONAL PUMP STATIONS	\$ 17,807.04
1049	PUMP STATION REHABILITATION AND RESILIENCE PROGRAM (PSRRP)	101934	REPLACEMENT OF VARIABLE FREQUENCY DRIVES (VFD)	\$ 9,642.32
1049	PUMP STATION REHABILITATION AND RESILIENCE PROGRAM (PSRRP)	102045	P.S. 2 BASIN UPGRADE - PHASE 1 LOCAL	\$ 9,452.44
1049	PUMP STATION REHABILITATION AND RESILIENCE PROGRAM (PSRRP)	102126	RELOCATION OF 20 PUMP STATIONS	\$ 124,118.01
1049	PUMP STATION REHABILITATION AND RESILIENCE PROGRAM (PSRRP)	102160	CONVERSION OF CAN PUMP STATIONS TO SUBMERSIBLE	\$ 320,010.13
1049	PUMP STATION REHABILITATION AND RESILIENCE PROGRAM (PSRRP)	102163	PS NO. 0559 - REPLACEMENT OF MECH & ELECTRICAL EQUIPMENT	\$ -
1049	PUMP STATION REHABILITATION AND RESILIENCE PROGRAM (PSRRP)	102192	OUT OF COMPLIANCE PUMP STATIONS	\$ 1,838,146.86
1049	PUMP STATION REHABILITATION AND RESILIENCE PROGRAM (PSRRP)	102201	PS#0300 - REPLACEMENT OF MECHANICAL & ELECTRICAL EQUIPMENT	\$ 40,402.40
1049	PUMP STATION REHABILITATION AND RESILIENCE PROGRAM (PSRRP)	102202	PS# 425 FEMA - REPLACEMENT OF ELECTRICAL AND MECHANICAL EQUIPMENT (previously for PS# 306)	\$ 130,531.06
1049	PUMP STATION REHABILITATION AND RESILIENCE PROGRAM (PSRRP)	103022	Pump Station Upgrades due to Aging Infrastructure	\$ 272,901.67
				\$ 201,418,570.37

**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 331 42	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		2018-ALL-1205 / NOSA sent 7.18.18					
PHASE 1	3200 NW 38 ST MIAMI FL 33142	ROGELIO E MULLER	3031210140530	INDUSTRIAL	YES / 2565226322	OFFICE & WAREHOUSE	YES	5604		2018-ALL-1210 / NOSA sent 7.18.18					
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 331 42	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		5878		C2019086261 – P2019032110					
FOLIO 20	3300 NW 37 ST MIAMI FL 33412	ART BY GOD INC	3031210360620	INDUSTRIAL	YES	WAREHOUSE	YES	5879				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						
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	ENF / C2022169952: Connected	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	ENF / C021077726	#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	IORELLA PERFUMES CORP	3031210140680	INDUSTRIAL	NO		YES	5895	4/11/2020	ENF	F2011111458 (Unsafe Structure)				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	ENF - 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 VIVIANO III SARA V ROLLEY	3031210140700	INDUSTRIAL	NO		YES	5897	4/17/2020	ENF - 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	ENF - C2019231320 in process		7017 2400 0000 7831 8334	No Date of Signature	5/6/2019	
FOLIO 26	3916 NW 32 AVE MIAMI FL 33412	MIAMI DADE EXPRESSWAY	3031210140720	INDUSTRIAL	YES	WAREHOUSE	YES	5899	4/17/2020	ENF	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	ENF	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	ENF - 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	ENF - 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	ENF - 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	ENF	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.
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	ENF - 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	ENF - 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	ENF		7017 2400 0000 7831 8280	4/29/2019	5/6/2019	
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					
FOLIO 65	3050 NW 33 ST MIAMI FL 33412	LUISA SUMMERS	3031280111642	RESIDENTIAL	YES	RESIDENCE	YES	5917	5/30/2020	ENF					
FOLIO 80	3230 NW 30 AVE MIAMI FL 33412	AIXA SHAMAILEH	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 (JRTS)	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	ENF		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	ENF					
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			7017 2400 0000 7831 8471	No Date of Signature	7/8/2019	
FOLIO 60	3091 NW 33 ST MIAMI FL 33412	PEPIIE HARRIS TANDHASETTI TRS PEPIIE 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					
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	ENF - 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	ENF 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		YES	5933	6/18/2020	ENF: 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	ENF: 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	ENF					
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	SEABASTOPOI 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	RESIDEN TIAL	NO										
FOLIO 33	3236 NW 37 ST MIAMI FL 33412	O REILLY AUTOMOTIVE STORES INC	3031210140280	INDUSTRIAL	NO										
FOLIO 36	3804 NW 32 AVE MIAMI FL 33412	MAKEN HOLDING LLC	3031210140660	INDUSTRIAL	NO										
FOLIO 37	3802 NW 32 AVE MIAMI FL 33412	MAKEN INVESTMENT GROUP LLC	3031210140670	INDUSTRIAL	YES	WAREHOUSE				C2019113795 - Permit 2020008978					
FOLIO 40	ADDRESS NOT AVAILABLE	AUTOMOTIVE PROPERTIES WEST LLC C/O TRACY SEIDLE	3031210550020	COMMERCIAL	YES	RESIDENCE/DUPLEX									
FOLIO 42	ADDRESS NOT AVAILABLE	AUTOMOTIVE PROPERTIES WEST LLC C/O TRACY SEIDLE	3031210550030	COMMERCIAL	YES	SERVICE STATION									
FOLIO 49	3945 NW 32 AVE MIAMI FL 33412	COHEN AIRPORT WAREHOUSES LLC	3031210430041	INDUSTRIAL	YES	WAREHOUSE				Expired Process (C2021058118) - No Permit issued					
FOLIO 59	3800 NW 31 AVE MIAMI FL 33412	MARVIN BOCHNER INC	3031210450020	INDUSTRIAL	YES	WAREHOUSE				C2023037467 - Permit 2019064720 (Permit for roofing)	F2019005801 (Unsafe Structure)				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	ADDRESS NOT AVAILABLE	OWNER NAME NOT AVAILABLE	3031280111620	RESIDENTIAL	YES	RESIDENCE									
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 LLG	3031280000020	INDUSTRIAL	YES	FACTORY				C2020033965 - Permit 2020020112					
FOLIO 77	ADDRESS NOT AVAILABLE	AIANY PEREZ	3031270010870	INDUSTRIAL	NO										
FOLIO 85	ADDRESS NOT AVAILABLE	BP 36TH STREET PROPERTY INC	3031210140240	INDUSTRIAL	NO										
FOLIO 86	3855 NW 35 AVE MIAMI FL 33142	MIAMI- DADE COUNTY MIAMI- DADE TRANSIT	3031210000901	INDUSTRIAL	YES	POWER PLANT									
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				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