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VIA ELECTRONIC CORRESPONDENCE

January 31, 2022

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File No: 8.DC.09.33

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**RE: Consent Decree (Case: No. 1:12-cv-24400-FAM),
Reference DOJ Case No. 90-5-1-1-4022/1,
Section IX – Reporting Requirements, Paragraph 33 – Semi-Annual Reports – 2021
Semi-Annual Report No. 2**

Dear Sir or Madam:

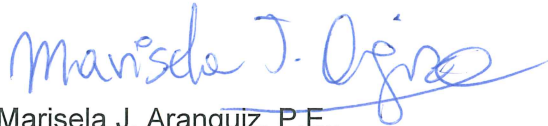
In accordance with the provisions of Paragraph 33 of the above referenced Consent Decree, on behalf of Miami-Dade County, the Water and Sewer Department (WASD) submits to both the United States Environmental Protection Agency (EPA) and the State of Florida Department of Environmental Protection (FDEP) the 2021 Semi-Annual Report No. 2. The report includes the progress made in implementing the requirements of the aforementioned Consent Decree during the period of time from July 1, 2021 through December 31, 2021. The report also includes the anticipated work to be completed over the next two calendar quarters through June 30, 2022.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering such information, the information submitted is, to the best of my knowledge and belief, true, accurate

and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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

Sincerely,



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

Attachment: 2021 Semi-Annual Report No. 2

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2021 Semi-Annual Report No. 2 (Fifteenth Semi-Annual Report)

July 1, 2021, through December 31, 2021

Prepared for

**United States Environmental Protection Agency and
Florida Department of Environmental Protection**

**Consent Decree
Case: No. 1:12-cv-24400-FAM**

Prepared by

**Miami-Dade County, Miami-Dade Water and Sewer Department and
the
Consent Decree Program Management Construction Management
Team**



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Acronyms and Abbreviations

AASIS	Active As-built Supplemental Information Systems
AC	Asbestos Cement
BODR	Basis of Design Report
CCTV	Closed-Circuit Television
CD	Consent Decree
CDWWTP	Central District Wastewater Treatment Plant
CIP	Capital Improvement Project
CIPP	Cured in Place Pipe
CMOM	Capacity, Management, Operations and Maintenance
County	Miami-Dade County
COVID-19	Novel Coronavirus Disease 2019
DOJ	Department of Justice
EFT	Electronic Funds Transfer
EPA	Environmental Protection Agency
ET	Elapsed Time
FDEP	Florida Department of Environmental Protection
FM	Force Main
FMOPMARP	Force Main Operations, Preventative Maintenance and Assessment/Rehabilitation Program
FM R/R P	Force Main Rehabilitation/Replacement Program
FOG	Fats, Oils and Grease
FSE	Food Service Establishments
FYTD	Fiscal Year to Date
GDO	Grease Discharge Operations

Acronyms and Abbreviations (continued)

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 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. In accordance with the CD, this Report includes a description of the projects and activities completed and milestones achieved during the previous two (2) calendar quarters (July 1, 2021 through December 31, 2021), and also provides projections for significant projects and activities anticipated to be completed in the next two (2) calendar quarters (January 1, 2022 through June 30, 2022).

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 March 18, 2014, County approved resolution of commitment not to transfer 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.

All CD requirements were met for the previous two (2) calendar quarters.

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

- On July 14, 2021, the County notified EPA and FDEP of a Potential Delay 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 Compliance Date is February 25, 2022.
- On October 29, 2021, the County notified EPA and FDEP of a Potential Delay 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. The Compliance Date is April 7, 2022.

The County continues to be fully engaged with the successful implementation and compliance of the CD. First, with the 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 execution of the eighty-one (81) capital improvement projects included in Appendix D which have

an approximate total cost of \$1.96 billion, and the Supplemental Environmental Project (SEP) included in Appendix E. As of this reporting period, fifty-one (51) projects with a total cost of \$643 million have reached substantial completion and thirty (30) projects with a cost of \$173 million in the planning and procurement phases, and \$1,143 million in the construction phase.

The projects, activities and milestones achieved, and the deliverables submitted to EPA and FDEP are listed in Table 1-1 (page 3). The upcoming projects, activities, milestones, and deliverables for the next two (2) calendar quarters are listed in Table 1-2 (page 5). 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 in Table 1-3 (page 6).

Table 1-1 Completed CD Projects, Activities, Milestones, and Deliverables				
CD Projects, Activities, and Milestones	CD Reference	CD Deadline	Completion or Submittal Date	CD Compliant (Yes/No)
Make available a copy of each specified Deliverable in the Public Document Repository (PDR) no later than one (1) business day from submission	Section V, para. 9	Ongoing	Ongoing	Yes
Ensure Adequate Pumping, Transmission and Treatment Capacity under the conditions of CD Appendix A	Section VI, para. 18(a)	Ongoing	Ongoing	Yes
Continue implementing existing Pump Station Remote Monitoring Program	Section VI, para. 18(b)	Ongoing	Ongoing	Yes
Continue implementing existing Spare Parts Program	Section VI, para. 18(d)	Ongoing	Ongoing	Yes
Continued Implementation of Sanitary Sewer Overflow (SSO) Identification and Reporting	Section VI, para. 19(b)	Within 24 hours and 5 days of known occurrence	Ongoing	Yes
Submit Potential Delay Notification Letter for CD CIP 1.2 Oxygen Production	Section XI, para. 52 & Section XVII, para. 77	7/14/2021	7/14/2021	Yes
Post Potential Delay Notification Letter for CD CIP 1.2 – Oxygen Production in PDR	Section V, para. 9	1 business day after submittal	7/14/2021	Yes
Submit 2021 Quarterly Report No.2	Section IX, para. 32	7/31/2021	7/30/2021	Yes
Post 2021 Quarterly Report No. 2 in PDR	Section IX, para. 36	1 business day after submittal	7/30/2021	Yes
Submit 2021 Semi-Annual Report No. 1	Section IX, para. 33	7/31/2021	7/30/2021	Yes
Post 2021 Semi-Annual Report No. 1 in PDR	Section IX, para. 36	1 business day after submittal	7/30/2021	Yes
Submit Consent Decree Outstanding Force Majeure and Potential Delay Notifications Letter	Section XI, para. 52 & Section XVII, para. 77	8/13/2021	8/13/2021	Yes
Post Consent Decree Outstanding Force Majeure and Potential Delay Notifications Letter in PDR	Section V, para. 9	1 business day after submittal	8/13/2021	Yes

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

CD Projects, Activities, and Milestones	CD Reference	CD Deadline	Completion or Submittal Date	CD Compliant (Yes/No)
Submit FDEP Annual Payment for CD Compliance Monitoring under Consent Order OGC Case No. 03-1376(a)	Section XVI, para. 76	N/A	8/27/2021	Yes
Post FDEP Annual Payment for CD Compliance Monitoring under Consent Order OGC Case No. 03-1376(a) in PDR	Section IX, para. 36	1 business day after submittal	8/27/2021	Yes
Submit 2021 Quarterly Report No. 3	Section IX, para. 32	10/31/2021	10/29/2021	Yes
Post 2021 Quarterly Report No. 3 in PDR	Section IX, para. 36	1 business day after submittal	10/29/2021	Yes
Submit Potential Delay Notification Letter for CD CIP 1.5 – Effluent Pump Station	Section XI, para. 52 & Section XVII, para. 77	10/29/2021	10/29/2021	Yes
Post Potential Delay Notification Letter for CD CIP 1.5 – Effluent Pump Station in PDR	Section V, para. 9	1 business day after submittal	10/29/2021	Yes
Submit Supplemental Letter to the 2021 Quarterly Report No. 3	Section IX, para. 32	12/3/2021	12/3/2021	Yes
Post Supplemental Letter to the 2021 Quarterly Report No. 3 in PDR	Section IX, para. 36	1 business day after submittal	12/3/2021	Yes

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

CD Projects, Activities, and Milestones	CD Reference	CD Deadline	Anticipated Completion or Submittal Date
Submit 2021 Quarterly Report No. 4	Section IX, para. 32	1/31/2022	1/31/2022
Post 2021 Quarterly Report No. 4 in PDR	Section IX, para. 36	1 business day after submittal	1 business day after submittal
Submit 2021 Semi-Annual Report No. 2	Section IX, para. 33	1/31/2022	1/31/2022
Post 2021 Semi-Annual Report No. 2 in PDR	Section IX, para. 36	1 business day after submittal	1 business day after submittal
Submit 2022 Quarterly Report No. 1	Section IX, para. 32	10/31/2021	10/31/2021
Post 2022 Quarterly Report No. 1 in PDR	Section IX, para. 36	1 business day after submittal	1 business day after submittal
CD CIP 5.9 New Pump Station No. 0301	Section VI, para. 19(i)	1/24/2022	1/25/2022
CD CIP 1.2 Oxygen Production at SDWWTP	Section VI, para. 19(i)	2/25/2022	7/28/2022
CD CIP 1.5 Effluent Pump Station at SDWWTP	Section VI, para. 19(i)	4/7/2022	3/18/2022

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

Table 1-3 Issues Log			
Item	Date	Description	Resolution/Clarification/Decision
1	7/20/2017	At the July 20, 2017 EPA/FDEP/WASD CD Program Update Meeting, WASD proposed a scope modification for CD CIP 5.9 Replacement of Plumbing and Electrical Equipment at PS 0301.	The scope modification request for CD CIP 5.9, to include the construction of a new Submersible PS, exceeds the CD description and as such will require a revision to the CD Appendix D CD CIP 5.9 schedule. After the presentation, EPA/FDEP requested a formal request for the proposed change. On July 28, 2017, the County sent EPA/FDEP an official scope modification request for CD CIP 5.9 Replacement of Plumbing and Electrical Equipment. On October 16, 2019, the County re-distributed the scope modification for CD CIP 5.9 letter as requested by EPA. This item is pending final decision.
2	2/13/2018	<p>On February 13, 2018, the County advised EPA, FDEP and Department of Justice (DOJ) that the Public Document Repository (PDR) site would be migrated to a Microsoft cloud-based system.</p> <p>WASD communicated to EPA and FDEP that their Public Information Office (PIO) will continue to provide access to deliverables digitally. Upon request for hard copies, the PIO will provide in accordance with public records law.</p>	<p>On February 14, 2018, EPA, DOJ and FDEP did not object to the proposed migration. Once effective, this migration of PDR site will be included in the next Status Report to the Court.</p> <p>On August 1, 2019, the County electronically notified the EPA/FEP that the PDR was unavailable to the public for an estimated four (4) days due to a server failure. The new cloud-based PDR system was put into production on July 31, 2019 and by August 1, 2019 most of the library was restored. On October 4, 2019, the County submitted a letter detailing the timeline of the breach in PDR compliance.</p>
3	4/19/2018	At the April 2018 CD Program Update Meeting, WASD mentioned that there will be an amendment to the County Ordinance regarding the time a business must connect to a public lateral. In line with federal laws, it will be modified to reflect one (1) year. There is reference in Appendix E Supplemental Environmental Project Plan of the CD, however, indicating a different timeframe, i.e. “Pursuant to existing regulations, businesses will have ninety (90) days to abandon their septic systems and connect to the public laterals.”	<p>EPA stated there may be a need to change that language in the CD and that the matter would be discussed with the DOJ. On December 19, 2019, the County provided SEP CD Language to EPA that is under consideration by DOJ. This item is pending final decision.</p> <p>At the December 2020 CD Program Update Meeting, EPA requested to resend information of the SEP language changed by the Ordinance. The information was resent on December 17, 2020.</p>

Table 1-3 Issues Log

Item	Date	Description	Resolution/Clarification/Decision
4	4/19/2018	At the January 24, 2017 monthly meeting, WASD mentioned that the Ocean Outfall Legislation Program is in the process of developing the Conceptual Memorandum. After the development of that Report the change of scope for CD CIP 2.14 CDWWTP Digesters Plant 1 will be submitted to EPA/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 February 2022. This item is pending final decision.
5	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. See Item No. 10.
6	2/20/2020	WASD to resend response to FDEP's comments on the BODR for Thickening and Dewatering Project (CD CIP 1.6, 1.8, 2.12 2.13, 2.16 and 2.18(2)).	In the February 2020, WASD required an update on the status of the FDEP's review and approval of the BODR for Thickening and Dewatering Project (CD CIP 1.6, 1.8, 2.12 2.13, 2.16 and 2.18(2)). FDEP requested that the response to FDEP's comments be resent to facilitate their review. On February 20, 2020, WASD resent the October 2019 communication to FDEP. On March 5, 2020, FDEP issued a conditional approval. The solid loading for both facilities have been revised and submitted to FDEP on May 21, 2021. Approval for CD CIP 1.6 and 1.8 was received from FDEP on May 24, 2021. On October 27, 2021, a WASD/FDEP Coordination Meeting was held to discuss CD CIP 2.12, 2.13, 2.16 and 2.18(2) and the FDEP approval was received on January 5, 2022.
7	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

Table 1-3 Issues Log

Item	Date	Description	Resolution/Clarification/Decision
			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.
8	4/16/2020	RER-DERM to provide EPA/FDEP with the Project Certifications for CD CIP 5.01 – PS 0418 and CD CIP 5.05 – PS 0415.	At the April 2020 CD Program Update Meeting, FDEP requested that RER-DERM provide EPA/FDEP with the Project Certifications for CD CIP 5.01 – PS 0418 and CD 5.05 – PS 0415. On April 16, 2020, RER-DERM provided the requested Certifications.
9	4/16/2020	Discussion on Force Majeure impacts of COVID-19. The County to collect supporting documentation related to any COVID-19 Force Majeure Claim.	At the April 2020 CD Program Update Meeting, the County provided a summary of the impacts of COVID-19 on Consent Decree CIPs in construction, permitting and procurement phases. FDEP and EPA reiterated that supporting documentation will be needed to evaluate any COVID-19 Force Majeure Claim for delays. The County is preparing an update to include projects that have been affected through June 30, 2021.
10	6/18/2020	WASD to provide an updated CMOM Program Implementation Schedule.	At the June 2020 CD Program Update Meeting, FDEP suggested that the County update the CMOM Program Implementation Schedule to include language that establishes that the updated schedule is valid if approval is given by target date and language for approval delay procedure. As of December 2020, WASD is finalizing the last details of the schedule. The schedule will be comprehensive and will include activities that have been completed to date. The County provided a revised CMOM Implementation scheduled on March 19, 2021. This item is pending review by EPA and FDEP
11	5/27/2021	Outstanding Force Majeure and Potential Delay Stipulated Penalties	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. The County is currently preparing a letter with the information requested for each project. 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.

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 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 COVID-19, 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 CDWWTP construction is progressing on drilling the first seven (7) of nine (9) new Class I municipal injection wells. Four (4) injection wells and two (2) monitoring well are essentially completed (some surface cleanup at three (3) locations ongoing). Drilling for two (2) more injection wells and a monitoring well is underway. The design of the municipal well pump station is about 89 percent complete; the pump station design scope is being modified to coordinate changes caused from other projects under design. The Underground Injection Control (UIC) permit for the final two (2) wells is still in FDEP review. The industrial wells have been operating at full capacity for about 11 months (offline for three (3) weeks for pipe work). These industrial wells reduce about 34 to 36 mgd from the outfall discharge each month. A revised stormwater master plan is under development to account for the latest design work. Two (2) electrical distribution buildings in the OOL program are at the draft 100 percent design completion. Final comments are being addressed and then these two (2) buildings will be permitted with the City of Miami.
- The NDWWTP early work projects will include installing injection wells on the upland portion of the site while the wetland and stormwater management permits are being obtained. Five (5) new municipal wells at NDWWTP are designed and permitted (UIC). The drilling contractor completed site preparation is underway with actual drilling on one injection well. The substantial permitting required for the site development is ongoing. The design of the injection well pump station is progressing toward 60 percent. The FDEP, state and Section 404 Wetland Permitting and Mitigation credit purchases are set. Mitigation requirements for the County is under review, and this additional work will be coordinated with the state/federal requirements. Local permitting may take longer as it requires commission approval. The

high-level disinfection design is at 50 percent complete. The designs for the site preparation and electrical buildings are about 75 and 60 percent complete, respectively. The existing four (4) 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).

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.	<p>1. Continued with the monitoring and tracking of the monthly Elapsed Time (ET) submittals by each Volume Sewer Customer Utility.</p> <p>2. Placed under Initial Moratorium (IM) Pump Station basins that exceeded the maximum 10 hours pursuant to the Nominal Average Pump Operating Time (NAPOT).</p> <p>3. Placed 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.</p> <p>3.1 Used the PS Database to automatically generate and send Notification Letters to all Utilities and Private systems that failed to submit ETs.</p> <p>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.</p> <p>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.</p> <p>5. Continued generating the monthly NAPOT Status & Sewer Allocation reports for all Utilities and Building Officials. All Utilities and Building Officials were notified how to access the NAPOT Status on the WEB, by using the PS Estimator WEB Application.</p> <p>6. Sewer Allocations were de-allocated manually for municipalities according to their monthly reports as submitted to RER-DERM.</p> <p>6.1 Completed automatic de-allocations of reserved flows for projects that are 10 yrs. or more in the system.</p>	<p>1. Continue monitoring and tracking of the monthly Elapsed Time (ET) submittals by each Volume Sewer Customer Utility.</p> <p>2. Continue placing under Initial Moratorium (IM) Pump Station basins that exceed the maximum 10 hours pursuant to the Nominal Average Pump Operating Time (NAPOT).</p> <p>3. Continue placing 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.</p> <p>3.1. Continue using the application to issue/send automatic enforcement notifications when utilities or Private PS fail to submit ET Data on time.</p> <p>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.</p> <p>4.1 Coordinate with IT to further enhance and/or implement automatic updates of the PS status.</p> <p>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.</p> <p>6. Continue manually de-Allocations for all municipalities according to their completed monthly reports submitted to RER-DERM.</p> <p>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.</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(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. Due the COVID-19 the Quarterly Utility Round Table (URT) Meetings were held virtually. During the previous quarter, two (2) meetings were held: August 26 and December 15, 2021.	7. Will meet virtually with the utility's representatives, PSO private permittees/owners and the Engineering consultants to discuss/review compliance issues. The two (2) meetings are schedule for March 16 and June 15, 2022.
			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 Continued the update of the 4th Cycle SSES Requirements / Guidelines. The 4th Cycle report is due by 11/12/2032 for all the public utilities. The 4th Cycle SSES Requirements / Guidelines may also be used for the 3rd Cycle due on 11/12/2022.	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. The 4th Cycle SSES Requirements / Guidelines may also be used for the 3rd Cycle due on 11/12/2022.
			10. Completed the review of the GIS Water & Sewer As-Built / Atlas submitted by the Utilities.	10. Continue the review the GIS Water & Sewer As-Built / Atlases submitted by each Utility in January-2022 in order to assure compliance with Code requirements.
			10.1 DERM staff used the GIS Water & Sewer Atlases & As-Built layers to determine Adequate Pumping, Transmission and Treatment capacity, an other reviews/approvals requiring Water and Sewer information. 10.2 DERM met with all Utilities to address / correct issues encountered in the review of the 2020 GIS Submittals	10.1 DERM staff will continue using the GIS Water & Sewer Atlases & As-Built layers to determine Adequate Pumping, Transmission and Treatment capacity, an other reviews/approvals requiring Water and Sewer information. 10.2 Upon completion of the Reviews of the GIS submittals, DERM will meet with all Utilities to address and/or to correct issues encountered in the 2021 GIS Submittals.
11. Updated Moratorium status of PS basins for which the utility completed and certified the Corrective Action Plan(s) (CAP) to bring basin Nominal Average Pump Operating Time (NAPOT) below the 10 hours.	11. Continue Updating Moratorium status of PS basins for which the utilities completed and certified the Corrective Action Plan(s) (CAP) to bring basin Nominal Average Pump Operating Time (NAPOT) below the 10 hours.			

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
			12. Continued Electronic reviews for construction permits pertaining to new or upgrades of Domestic Wastewater Collection and Transmission systems for ALL utilities within the Miami-Dade County service areas.	12. Continue electronic reviews for new construction permits or upgrades of Domestic Wastewater Collection and Transmission systems for ALL utilities within the Miami-Dade County service areas.
18(b)	Pump Station Remote Monitoring Program	The Pump Station Remote Monitoring Program is being implemented in accordance with Paragraph 18(b) of the CD. The continuing program involves the installation and operation of remote monitoring equipment in all Pump Stations in the Wastewater Collection and Transmission System (WCTS) within 6 months after the County becomes operationally responsible for Pump Station. The pump station monitoring system shall continuously monitor, report and transmit data.	Work on the program has been ongoing, completed Data Review & Data Configuration sections of the project plan. Currently completing the reporting components for the WWTP/WTP Custom Monthly Regulatory Reports. Configuration of the Pump Station data mapping is ongoing, as is sensor importing for Rain Vieux Data, USGS data and NOAA data.	Work on the program is ongoing and will continue beyond June 30, 2022.

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(c)	Wastewater Collection and Transmission System Model (Continued)	<p>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.</p>	<p>An updated version of the WASD WCTS effective model incorporated all the changes to the system provide in the last quarter of FY2021. The effective hydraulic model submittal included:</p> <ol style="list-style-type: none"> 1. InfoWorks ICM Transportable Model Files 2. Model Changes Log 3. Transmittal Letter with summary of modifications 4. Dashboard – 2020 AADF 5. User Defined Flags – CSV File, TM, Changes Log 6. Inflows File <p>The model was updated to match field information after visits to CDWWTP and PS0001. The interceptors going to PS0001 were updated for elevation based on latest survey data that was performed by WASD. Extensive analysis was done to evaluate the capacity of PS0001 interceptors in order to plan for developments and growth in this area.</p> <p>The model also includes a Pump Station Dashboard that provides a detailed summary/overview of the pump station results for existing scenario annual average daily flow condition was delivered along with the effective model.</p> <p>The model update was completed through October, 2021.</p>	<p>Continue efforts to update hydraulic model with information available for improvement projects associated with Consent Decree, WASD Master Plan, Pump Station Improvement Program as well as New Development Projects in an effort to maintain the most up to date projection scenarios for current year and years 2025, 2035, and 2040 in the WASD hydraulic model.</p> <p>The model will be updated with inflows hydrographs based on 2020 SCADA data.</p> <p>This effort is to address Section VI, Paragraph (18).(c).(iv) of the Consent Decree.</p>
18(d)	Spare Parts Program	<p>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.</p>	<p>Work on the program has been ongoing.</p>	<p>The existing program will be enhanced as the new CMOM Programs are implemented. Work on the program is ongoing and will continue beyond June 30, 2022.</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	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.	1. Monitored and tracked the monthly submittal of the Elapsed Time (ET) readings by each Volume Sewer Customer utility.	1. Continue Monitoring and tracking of the monthly submittal of the Elapsed Time (ET) readings by each Volume Sewer Customer utility.
			2. Placed 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).	2. Continue placing 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).
			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 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.	3.1. Continue implementing/using the automatic generation of Moratorium / Enforcement letters when utilities and Private systems when they fail to submit ET Data on time.
			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.	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.
			5. Created the Volume Sewer Customer Utilities monthly Nominal Average Pump Operating Time (NAPOT) Status Report. Moratoriums were updated accordingly.	5. Continue to generate the Volume Sewer Customer monthly Certification of Nominal Average Pump Operating Time (NAPOT) Status report.
			6. Continued to use the PS system/database to track PS basin Moratoriums related to SSOs.	6. Continue to use the PS system/database to track PS basin Moratoriums related to SSOs.
			6.1 Coordinated with IT staff to enhance the PS Database to flag the PS if placed under moratorium for No Ets or Triplicate Readings.	6.1 Place into production the enhancement of the PS Database to flag the PSs when placed under moratorium for No Ets or Triplicate Readings submitted. This enhancement is expected to be placed in production during this next quarter.
			7. Issued enforcement letters or RFIs for SSO events reported or documented by DERM personnel, as needed.	7. Continue to issue enforcement letters or Requests for Information (RFIs) for SSO events reported or documented by DERM personnel, as needed.
			7.1 Placed Moratoriums on basins that experienced multiple SSOs, in order to minimize or prevent additional SSOs.	7.1 Implement Moratoriums as needed to minimize or prevent additional SSOs.

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>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 were reverted as the utilities demonstrated compliance with the SSES, Code requirement of 5,000 GPDIM.</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. Due to COVID-19 Virtual Meetings were held with the Utility/Municipal Officials during this period.</p> <p>11. Implemented automatic De-Allocations of reserved flows that have been in the database for 10 years or more. 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. All Volume Sewer Customer utilities and/or representatives participated in two (2) Virtual URT Meetings held during the last two (2) Quarters in 2021.</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>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, as needed.</p> <p>11. Continue to De-Allocate reserved flows that have been in the database for 10 years or more. This process provided 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, Compliance status, and ways to improve efficiency in all programs involving.</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.	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.	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.
			14. Completed reviews of the GIS WASD As-Built / Atlases submitted by each Volume Sewer Customer Utility in January-2021 to assure compliance with Code requirements. Also, met with all Volume Sewer Customer Utilities about the GIS WASD As-Built / Atlases submitted.	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 meeting as necessary.
			15. Completed an inspection program of all public and private sanitary sewer pump stations in the County.	15. Plan to repeat the inspection program of all public and private sanitary sewer pump stations.
			15.1 DERM initiated enforcement actions for violations/deficiencies identified during the inspections.	15.1 Plan Inspection of properties that obtained Sewer Extension permits and the permit has expired.
			16 Due to COVID and Staffing shortages the reviews of the Sanitary Sewer System Model Survey/Report received from each Volume Sewer Customer Utilities reviews could not be completed. Completed interviews of candidates for new staffing positions.	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.
17. Due to COVID-19 and staffing 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.	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.			

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 Inspectors.
			2. Updated and distributed FOG "Did You Know" flyers to Municipalities and posted on DERM webpage. Due to COVID-19 flyers were not distributed in person.	2. Update and 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 or virtual). 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. Assigned FOG Inspectors to run eManifest Reports and schedule inspections based on findings.	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.
			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 NGTs FSE. 100% of these facilities are under enforcement; however, due to COVID-19 compliance has only been reached for 94.82% of them.	6. Continue enforcement (and compliance assistance) with NGTs FSE. Goal to achieve 100% compliance continues. Facilities that remain out of compliance (5.18%) will continue under enforcement until 100% compliance is achieved.
			7. Updates to the Liquid Waste Transporter (LWT) permit conditions were completed.	7. Review LWT Permit conditions and update accordingly. This is going to be an annual exercise. Also, virtual outreach events to inform regulated community about changes and to have them familiarized with permit conditions will be scheduled every year before permit issuance.
			8. Monitoring of "NO COMMINGLING of FOG" (implemented April 1, 2017) at the South District Wastewater Treatment Plant has been put on hold because of COVID-19 and other program priorities due to limited personnel. Assistance provided to treatment plant personnel for seven (7) days at the request of WASD.	8. These inspections at the South District Wastewater Treatment Plant have been put on hold because of COVID-19 and limited personnel. They will remain on hold at least for the next six (6) months depending on COVID-19 and personnel.
			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. Work on developing an on-line FOG Construction Inspection portal.
			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. Implemented FOG related tasks associated with LW-ST2.0 Liquid Waste Transportation & Disposal Guidance Manual, including reviewing random/flagged/other waste sampling reports and cross-referencing eManifest records to identify potential sources of non-complying waste. Also, reviewed monthly FOG facility effluent sampling data for parameter trends. Updated training requirements for disposal facilities.	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.
			14. Continued to track/record Key Performance Indicators and Performance Measures to evaluate and improve the FOG Control Program, to be used for the 5th 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 6th FOG Control Program Annual Review Report.
			15. Developed or approved training programs for 2022 permitting cycle for LWTs and Disposal Facilities. Pending implementation by WASD.	15. Continue developing or approving training programs for 2023 permitting cycle for LWTs and Disposal Facilities.
			16. Continued the Public Outreach program in collaboration with WASD. Some events scheduled for the last two years were cancelled because of COVID-19.	16. Continue preparing and implementing Public Outreach program outline and schedule in collaboration with WASD. Implementation of the Residential Outreach program that was due by March 5, 2020 is still being impacted by COVID-19.
			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.

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.	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.
			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. Planned to implement annual routine inspections to the current 7,578 Grease Discharge Operating (GDO) permitted facilities.	21. Plan to implement annual routine inspections to the current 7,578 GDO permitted facilities, pending on COVID-19 and approval of additional staff.
			22. Collected data for Hot Spots from utilities and continued to perform complaints inspections. Due to COVID-19 these inspections are on hold.	22. Begin Hot Spot inspections and continue complaints inspections. Estimated as 336 inspections per year, pending approval of additional staff.
			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, pending COVID-19 and approval of additional staff.
			24. Due to COVID-19 and staffing, confirmation inspections to facilities reported as closed were not started.	24. Begin confirmation inspections to facilities reported as closed. Estimated that 50% of the total 3,756 facilities are expected to be inspected by 2022-2023, pending approval of additional staff. Also, inspections will depend on COVID-19.
			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.
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. Continue development of the Building Backup Application.	Work on the program will include the activities listed in the CMOM Implementation Schedule 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. 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. 4. Procured SCADA Watch	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. GIS Training Refresher Program - Completed. 5. Electronic As-Built Submittal - Completed. 6. eBuilder CIP GIS integration	GraniteNet updates in progress, researching and assessing software upgrade for streamlining field inspections and review. The GIS integration of all projects conveyed and activated are being tracked. The metrics will be reported in the 2021 Annual Report. The GIS Hydraulic Model integration of all projects conveyed and activated are being tracked. The metrics will be reported in the 2021 Annual Report. Coordinating with WASD/HR training and providing virtual training course updates as needed. Enhancing processes to include Civil 3D/Pressure pipe template and standard DWG As-Built submittals. Enterprise GIS web editing for Capital Improvement Projects (CIP) is being finalized, pending migration to CIP geodatabase.

Table A-2.1 New CMOM Programs

Paragraph	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
19(d)	Sewer System Asset Management Program	The Sewer System Asset Management Program is being developed in accordance with Paragraph 19(d). This Program will maintain a desired level of service for the County's Sewer System considering life cycle cost to ensure compliance with regulatory requirements and the CD.	<p>Work on the program was ongoing:</p> <ol style="list-style-type: none"> 1. Work with WASD staff and outside consultants to develop scope for the capture of asset inventory and condition assessment for the Pump Stations Division 2. Work with WASD staff and outside consultants to capture of asset inventory at the Wastewater Treatment Plants 3. Work with EAMS Division to facilitate input of asset inventory and conditions assessments within the department's asset management systems 	Continue gathering asset inventory and conditions assessments and input information within the department's asset management systems. Work on the program will include the activities listed in the CMOM Implementation Schedule and will continue beyond June 30, 2022.
19(e)	Gravity Sewer System Operations and Maintenance Program	The Gravity Sewer System Operations and Maintenance Program is being developed in accordance with Paragraph 19(e) of the CD. This Program will address SSOs, particularly those caused by FOG, roots and/or debris obstructions. The program will facilitate proper operation and maintenance activities associated with gravity mains in the WCTS.	<p>Work on the program was ongoing:</p> <ol style="list-style-type: none"> 1. Continued to deploy Smart Covers to "hot spots" to closely monitor and prevent SSOs. 2. CCTV contract to inspect gravity sewer mains for Pump Station 0002 in Procurement process 3. CCTV inspection for all WPO station was scheduled for implementation 	Work on the program will include the activities listed in the CMOM Implementation Schedule and will continue beyond June 30, 2022.
19(f)	Pump Station Operations and Preventative Maintenance Program	The Pump Station Operations and Preventive Maintenance Program is being developed in accordance with Paragraph 19(f) of the CD. This Program will facilitate proper operation and maintenance activities associated with the Pump Stations within the WCTS.	<p>Work on the Program was ongoing:</p> <ol style="list-style-type: none"> 1. Work with WASD staff and outside consultants to develop scope for the capture of asset inventory and condition assessment for the Pump Stations Division. 2. Started inter-departmental discussions (Pump Station Division, EAMS Division and Quality Assurance & Quality Control Division) for the development of the SOPs for all internal processes within the Pump Stations Division (Electrical, Mechanical, Structural, Wet-Well Rehabilitation and Diesel Maintenance) 	<ol style="list-style-type: none"> 1. Implementation of upgrades to the Pump Station Division's electronic asset management system to include Problem, Failure, Action, and Cause codes, and Preventative Maintenance schedules. 2. Implementation and deployment of electronic tablets for field staff for their use in remote access to the asset management system. <p>Work on the program will include the activities listed in the CMOM Implementation Schedule and will continue beyond June 30, 2022.</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(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. Convened working group to discuss and establish SOPs for the evaluation of soils, develop specifications for the use of inert materials, and develop standards for corrosion control options. 3. ARV program is ongoing.	Work on the Program will include the activities listed in the CMOM Implementation Schedule and will continue beyond June 30, 2022. Re-inspection cycle for 72-inch PPCP pipes in the south area of the County to take place during the next dry season. Continue working group to discuss and establish 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. Continued random collection of hauled waste 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 on August 4, 2021 and on November 8, 2021 to discuss Hauled Waste Program and any issues or concerns related to illicit hauled waste or discharges to the plant or collection system. 3. Work with WASD staff and outside consultants to capture of asset inventory at the Wastewater Treatment Plants.	Work on the Program will include the activities listed in the CMOM Implementation Schedule and will continue beyond June 30, 2022. Continue gathering asset inventory and input information within the department's asset management systems. Next RER-DERM/WASD Coordination Meetings will be held on February 16, 2022 and May 11, 2022 to discuss Hauled Waste Program and any issues or concerns related to illicit hauled waste or discharges to the plant or collection system.
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 2020 through September 2021 can be found in Appendix C.	Work on the program will include the activities listed in the CMOM Implementation Schedule 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 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 Compliance Date is February 25, 2022 and construction continued.	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 procurement commenced. 1.3(3) Procurement continued train - SS 5/6 and SS 15/16.	1.3(1) Structural Rehabilitation of the oxygen trains has been completed. 1.3(2) Procurement for Electrical Building Expansion and mixer upgrade will continue. 1.3(3) Procurement for oxygenation train - SS 5/6 and SS 15/16 will be completed.
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.	Construction continued.	Construction will continue.
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 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. The Compliance Date is April 7, 2022. 1.5(3) Completed on January 23, 2016.	1.5(1) N/A 1.5(2) Construction will be completed. 1.5(3) 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
1.6	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.	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.	Design/Build Construction will continue.
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.	Construction continued.	Construction continued.
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 started. 1.11(2) Construction continued.	1.11(1.1) Construction will continue. 1.11(1.2) Construction will continue. 1.11(2) Construction will completed.

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
1.12	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.	<p>1.12(1) Actuator Replacement reached substantial completion on June 5, 2018.</p> <p>1.12(2) Structural rehab. of Contact Chambers # 3 and #4 continued completed July 9, 2020. Procurement for Structural rehab. of Contact Chamber #2 completed, NTP issued on November 30, 2020. Project reached substantial completion April 5, 2021.</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
2.1	Electrical Improvements	<p>The CDWWTP Electrical Improvements project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation and replacement of electrical controls and wiring as needed throughout the plant. This project schedule has been broken down into multiple components to reflect more accurately reflect the way the work is being executed:</p> <ol style="list-style-type: none"> 1) CDWWTP General Electric In-house Construction - Substations 1 and 2. 2) Substations 3, 4A, 4B, 5 & 6 – This work is part of Project 2.27(2). 3) Substations 9 & 10 - This work is part of Project 2.10(1). 4) Substations 11 & 12 – This work is part of project 2.11. 5) Substations 15 & 16 – This work is part of Project 2.15(1). 6) Substations 17 & 18 – This work is part of Project 2.19(2a). 7) Substations 7A, 8A, 9A & 10A 	<p>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 continued.</p> <p>2.1(3) Construction continued.</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) Construction will continue.</p> <p>2.1(3) Construction will continue.</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 & 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 upgrades continued for Tanks #10 and 8 were completed. 2.8(3) Re-bid for Tank#4 will commenced.	2.8(1) Construction will continue. 2.8(2) Construction will continue for Tank #10 and will be completed. Tank #4 work will commence. 2.8(3) Procurement for Tank #4 will continue.
2.9	RS Pump Stations Plant 1	The CDWWTP RS Pump Stations Plant 1 project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the replacement of return sludge pump, piping, motor control centers and structural repairs to the pump stations. Work on this project will be performed in conjunction with Project 2.7.	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) Construction continued. 2.10(2) Construction of RAS Header Pipe was completed on July 7, 2017.	2.10(1) Construction will continue. 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.	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.	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.	2.15(1) Construction will be completed. 2.15(2) Construction will completed. 2.15(3) Procurement will completed and construction will commence.
2.16	Dewatering Building	The CDWWTP Dewatering Building project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to construct a new combined thickening and dewatering facility and sludge cake conveyance system to the sludge storage buildings. This project is being performed under design-build delivery method.	Design Build project Notice to Proceed was issued on July 6, 2020. 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.	Design-Build Construction will continue.

Table A-3.2 Central District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
2.17	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.	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 bio gas 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
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.	Construction continued.	Construction will be completed.

Table A-3.2 Central District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
2.23	O ₂ Plant Process Controls Phase 2	The CDWWTP O ₂ Plant Process Controls project is being performed pursuant to Paragraph 19(i) and Appendix D. Existing oxygen production systems are either failing or obsolete. The purpose of this project is to replace existing oxygen production systems.	Construction was completed on April 25, 2016, ahead of the CD compliance date March 9, 2017.	N/A
2.24	Gas Monitoring	The CDWWTP Gas Monitoring project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to monitor gas levels and place alarms in hazardous areas.	Construction was completed on September 29, 2017.	N/A
2.25	Ventilation Improvements	The CDWWTP Ventilation Improvements project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to improve ventilation in hazardous areas. This project schedule has been broken down into multiple components to more accurately reflect the way the work is being executed: 1) HVAC Improvements for air scrubber (Project 2.12, 2.13 and 2.16) 2) Headworks HVAC Improvements (Project 2.3/2.4). 3) Digester Control Building HVAC Improvements (Project 2.15(1)). 4) Pump Station 1 HVAC Improvements (Project 2.21). 5) Pumps Station 2 HVAC Improvements (Project 2.22).	2.25(1) Procurement continued. 2.25(2) Construction was completed. 2.25(3) Construction completed. 2.25(4) Construction was completed. 2.25(5) Construction completed.	2.25(1) Design-Build construction will continue. 2.25(2) N/A 2.25(3) N/A 2.25(4) N/A 2.25(5) Construction will continue.
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
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 continued.	3.2(1) N/A 3.2(2) Construction will continue.
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. Procurement continued.	Procurement will be completed and Design/Build will commence.
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. Procurement continued.	Procurement will be completed and Design/Build will commence.
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.
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 continued.	Construction will be completed.
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

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
3.8	Plant Wide Electrical	<p>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:</p> <ol style="list-style-type: none"> 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. 	<p>3.8(1) General Electrical In-house construction (Feeders 1-2) was completed on January 15, 2016.</p> <p>3.8(2) Electrical Feeders 3-6 (Project 3.1) was completed on December 6, 2017.</p> <p>3.8(3) Electrical Feeders 7-8 designed continued (scope considered under CD 3.3 and CD 3.4)</p> <p>3.8(4) Procurement completed, NTP issued on September 21, 2020. Construction completed.</p>	N/A
3.9	Flood Mitigation	<p>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.</p>	<p>This project was completed on June 24, 2016, ahead of the CD compliance date of August 13, 2017.</p>	N/A
3.10	Yard Piping Replacement	<p>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.</p>	<p>This project was completed on May 24, 2016, ahead of the CD compliance date of December 4, 2021.</p>	N/A
3.11	SCADA RTU Upgrades	<p>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.</p>	<p>This project was completed on November 26, 2014, ahead of the CD compliance date March 24, 2015.</p>	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 ₂ S. This project involves the rehabilitation and replacement of the entire facility equipment (pumps, motors, electrical equipment, HVAC, odor control, valves, piping and wet well) in PS No. 0415.	Construction completion was achieved on November 13, 2019.	N/A
5.6	Replacement of Switchgear PS No. 0416	The Replacement of Switchgear PS No. 0416 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing equipment of the PS is beyond its useful life. This project involves the replacement of electrical switchgear in PS No. 0416.	Construction was completed on June 11, 2019, ahead of the CD compliance date of June 13, 2019.	N/A
5.7	Replacement of Switchgear and Rehabilitation of Wet Well PS No. 0417	The Replacement of Switchgear and Rehabilitation of Wet Well PS No. 0417 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing equipment of the PS is beyond its useful life and the wet well structure is badly deteriorated due to H ₂ S. This project involves the rehabilitation and replacement of the entire facility equipment (pumps, motors, electrical equipment, HVAC, odor control, valves, piping and wet well) in PS No. 0417.	Construction completed July 1, 2020.	N/A
5.8	Replacement of Electrical and Mechanical Equipment PS No 0107	The Replacement of Electrical and Mechanical Equipment PS No. 0107 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing equipment is beyond of the PS is beyond its useful life and parts are not readily available for the load cell type controllers. This project involves the replacement of pumping and electrical equipment of PS No. 0107.	Construction was completed on February 23, 2018, ahead of CD compliance date of January 27, 2019.	N/A

Table A-5.1 Sewer Pump Station Systems

Project Number	Project Name	Project Description	Actions Completed During Previous Two (2) Calendar Quarters	Anticipated Actions to Be Performed in the Next Two (2) Calendar Quarters
5.9	Replacement of Pumping and Electrical Equipment PS No. 0301	The Replacement of Pumping and Electrical Equipment PS No. 0301 project is being performed pursuant to Paragraph 19(i) and Appendix D. The existing pump station equipment has reached the end of its useful life and a new pump station is needed to address future capacity needs, sea level rise and storm surge. Phase 1 of the project involves the replacement of the pumps, electrical equipment and generators, in addition to rehabilitation of the HVAC equipment of PS No. 0301. Phase 2 will include the construction of a new submersible pump station.	Construction continued.	Construction completed on January 25, 2022. An electronically Potential Delay Notification was submitted on January 13, 2022 and the Force Majeure Delay Notification Letter was submitted on January 27, 2022.
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> <ol style="list-style-type: none"> 1) Pump Station 0441 Upgrade 2) Pump Station 0491 Compliance Project 3) Pump Station 0710 Compliance Project 4) Pump Station 0827 Compliance Project 5) Pump Station 0852 Compliance Project 6) Pump Station 1236 Compliance Project – Consent Decree requirements for this project were accomplished and received EPA certification for Substantial Completion. PS#1236 has maintenance issues and will be resolved under phase 2 for which CD deadlines are not applicable. 	<p>5.18(1) Construction was completed on August 14, 2019. 5.18(2) Construction was completed on November 15, 2019. 5.18(3) Construction was completed on August 14, 2019. 5.18(4) Construction was completed on November 18, 2019. 5.18(5) Construction was completed on July 26, 2019. 5.18(6) Construction was completed on May 1, 2017.</p>	N/A
5.19	SCADA RTU Upgrades	<p>The SCADA RTU Upgrades project is being performed pursuant to Paragraph 19(i) and Appendix D. The current radio communication system is obsolete and it is difficult to procure parts. The purpose of the project is to upgrade the SCADA remote telemetry units for 635 pump stations to maintain operational sustainability.</p>	<p>Construction was completed on November 23, 2015 ahead of the CD compliance date March 18, 2016.</p>	N/A

Appendix B Project Schedules Gantt Chart

EPA Interim Milestone ID	Activity Name	Actual/Forecast Start	EPA Interim Milestone Start Date	Actual/Forecast Finish	EPA Interim Milestone Finish Date	17	2018				2019				2020				2021				2022				2023				2024				2025				2026			
						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	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	
WASD Consent Decree Schedule - December 2021 Update																																										
1. South District WWTP																																										
1.01 Headworks																																										
1.1.1	Engineering Design - SD Headworks	02-Feb-15 A	01-Oct-15	27-Feb-15 A	26-Apr-16																																					
1.1.2	Permitting - SD Headworks	02-Feb-15 A	27-Apr-16	27-Feb-15 A	26-Apr-17																																					
1.1.3	Procurement - SD Headworks	02-Feb-15 A	27-Apr-17	15-Oct-19 A	26-Apr-18																																					
1.1.4	Construction - SD Headworks	14-Aug-09 A	27-Apr-18	06-Nov-19 A	23-Feb-20																																					
1.02 Oxygen Production																																										
1.2.1	Engineering Design - SD Oxygen Production	03-Apr-15 A	01-Jan-15	07-Feb-16 A	29-May-16																																					
1.2.2	Permitting - SD Oxygen Production	08-Feb-16 A	30-May-16	11-Apr-17 A	19-May-17																																					
1.2.3	Procurement - SD Oxygen Production	28-Nov-16 A	26-Nov-16	26-Oct-18 A	30-Sep-17																																					
1.2.4	Construction (Consent Decree) - SD Oxygen Production	07-Jan-19 A	01-Oct-17	28-Jul-22	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	24-Apr-22	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	28-Jan-22	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	18-Mar-22	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	31-Dec-22	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-Jul-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 ■ Critical Re...
▽ Compliance Dates ◆ Milestone
■ Actual Project Phase Summary
■ Actual Work
■ Remaining Work

MIAMI-DADE WATER & SEWER DEPARTMENT

CONSENT DECREE PROGRAM SCHEDULE

CURRENT VS APPROVED EPA DATES

QUALITY. VALUE. ECONOMIC GROWTH. WWW.MIAMIDADE.GOV/WATER	Date	Revision	Checked	Approved
	14-Jul-14	Revision 0	GSR	DH
	15-Oct-21	Sept 2021 Update		
	15-Nov-21	Oct 2021 Update		
	15-Dec-21	Nov 2021 Update		
14-Jan-22	Dec 2021 Update			

EPA Interim Milestone ID	Activity Name	Actual/Forecast Start	EPA Interim Milestone Start Date	Actual/Forecast Finish	EPA Interim Milestone Finish Date	2017	2018		2019		2020		2021		2022		2023		2024		2025		2026		
						Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
1.8.2	Procurement - SD Dewatering Facilities	29-Mar-16 A	13-Apr-16	03-Jul-20 A	09-Jan-18									09-Jan-18											
1.8.3	Design-Builder Contract Duration - SD Dewatering Facilities	06-Jul-20 A	10-Jan-18	31-Dec-22	06-Jan-23												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																				
1.10.2	FDEP Permit - SD Odor Control	20-Feb-19 A	28-Jun-19	06-Sep-19 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	06-Jan-23	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	21-Sep-22	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	25-Feb-22	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																				

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

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

QUALITY. VALUE. ECONOMIC GROWTH. WWW.MIAMIDADE.GOV/WATER	Date	Revision	Checked	Approved
	14-Jul-14	Revision 0	GSR	DH
	15-Oct-21	Sept 2021 Update		
	15-Nov-21	Oct 2021 Update		
	15-Dec-21	Nov 2021 Update		
	14-Jan-22	Dec 2021 Update		

EPA Interim Milestone ID	Activity Name	Actual/Forecast Start	EPA Interim Milestone Start Date	Actual/Forecast Finish	EPA Interim Milestone Finish Date	17																																															
						2018	2019	2020	2021	2022	2023	2024	2025	2026																																							
2.4.4	Construction - CD Headworks/Grit Basin Plant 2	08-Dec-15 A	03-Mar-17	13-Aug-19 A	23-Aug-19																																																
2.05 Oxygenation Trains Plant 1																																																					
2.5.1	Engineering Design - CD Oxygenation Trains Plant 1	01-Mar-11 A	01-Jun-14	12-Aug-17 A	02-Sep-14																																																
2.5.2	Permitting - CD Oxygenation Trains Plant 1	01-Mar-11 A	03-Sep-14	02-May-11 A	02-Sep-15																																																
2.5.3	Procurement - CD Oxygenation Trains Plant 1	03-May-11 A	03-Sep-15	13-Feb-18 A	14-Dec-17																																																
2.5.4	Structural Rehab Train #2 - CD Oxygenation Trains Plant 1	15-Jan-17 A	14-Dec-16	14-Apr-17 A	15-Jun-17																																																
2.5.5	Structural Rehab Train #3 - CD Oxygenation Trains Plant 1	13-Feb-18 A	15-Dec-17	22-Jun-18 A	12-Apr-19																																																
2.06 Oxygenation Trains Plant 2																																																					
2.6.1	Engineering Design - CD Oxygenation Trains Plant 2	01-Mar-11 A	01-Jun-16	02-May-11 A	02-Sep-16																																																
2.6.2	Permitting - CD Oxygenation Trains Plant 2	01-Mar-11 A	03-Sep-16	02-May-11 A	02-Sep-17																																																
2.6.3	Procurement - CD Oxygenation Trains Plant 2	02-May-11 A	03-Sep-17	01-Nov-20 A	16-Nov-18																																																
2.6.4	Structural Rehab Train #1 - CD Oxygenation Trains Plant 2	17-Jan-17 A	16-Dec-18	09-May-17 A	18-Mar-19																																																
2.6.5	Structural Rehab Train #2 - CD Oxygenation Trains Plant 2	07-Oct-19 A	16-Dec-19	20-Aug-20 A	14-Apr-20																																																
2.6.6	Structural Rehab Train #3 - CD Oxygenation Trains Plant 2	09-Nov-15 A	15-Dec-20	29-Feb-16 A	15-Apr-21																																																
2.6.7	Structural Rehab Train #4 - CD Oxygenation Trains Plant 2	02-Nov-20 A	16-Dec-21	28-Sep-21 A	14-Apr-22																																																
2.07 Secondary Clarifiers Plant 1																																																					
2.7.1	Engineering Design - CD Secondary Clarifiers Plant 1	12-Apr-18 A	01-Apr-21	03-Jan-20 A	05-Oct-21																																																
2.7.2	Permitting - CD Secondary Clarifiers Plant 1	04-Jan-20 A	06-Oct-21	01-Apr-20 A	05-Oct-22																																																
2.7.3	Procurement - CD Secondary Clarifiers Plant 1	17-Jul-15 A	06-Oct-22	28-Apr-25	05-Oct-23																																																
2.7.4	Construction - CD Secondary Clarifiers Plant 1	11-Jul-15 A	06-Oct-23	12-Jun-26	15-Aug-26																																																
2.08 Secondary Clarifiers Plant 2																																																					
2.8.1	Engineering Design - CD Secondary Clarifiers Plant 2	16-Mar-16 A	01-Jun-16	01-Feb-17 A	31-Oct-21																																																
2.8.2	Permitting - CD Secondary Clarifiers Plant 2	28-Jul-16 A	06-Dec-16	22-May-18 A	05-Dec-17																																																
2.8.3	Procurement - CD Secondary Clarifiers Plant 2	27-Nov-17 A	06-Dec-17	04-Dec-23	05-Dec-18																																																
2.8.4	Construction - CD Secondary Clarifiers Plant 2	21-Nov-18 A	06-Dec-18	16-Jul-24	01-Dec-24																																																
2.09 Return Sludge PS Plant 1																																																					
2.9.1	Engineering Design - CD Return Sludge PS Plant 1	30-Jul-18 A	01-Apr-21	03-Jan-20 A	05-Oct-21																																																
2.9.2	Permitting - CD Return Sludge PS Plant 1	04-Jan-20 A	06-Oct-21	01-Apr-20 A	05-Oct-22																																																
2.9.2	FDEP Permit - CD Return Sludge PS Plant 1	18-Apr-19 A	06-Oct-21	23-Aug-19 A	05-Oct-22																																																
2.9.3	Procurement - CD Return Sludge PS Plant 1	12-Dec-22	06-Oct-22	19-Oct-23	05-Oct-23																																																
2.9.4	Construction PS #2 - CD Return Sludge PS Plant 1	16-Jul-24	06-Oct-23	12-Mar-25	17-Sep-24																																																
2.9.5	Construction PS #3 - CD Return Sludge PS Plant 1	30-Mar-25	18-Sep-24	24-Nov-25	31-Aug-25																																																
2.9.6	Construction PS #1 - CD Return Sludge PS Plant 1	27-Nov-25	01-Sep-25	24-Jul-26	15-Aug-26																																																
2.9.6	Construction Plant 1 RAS PS (Admin/Mobilization) - CD Return Sludge PS Plant 1	20-Oct-23	01-Sep-25	15-Jul-24	15-Aug-26																																																
2.10 Return Sludge PS Plant 2																																																					
2.10.1	Engineering Design - CD Return Sludge PS Plant 2	13-Jan-16 A	01-Jun-16	01-Feb-17 A	31-Mar-17																																																
2.10.2	Permitting - CD Return Sludge PS Plant 2	22-Mar-16 A	06-Dec-16	22-May-18 A	05-Dec-17																																																
2.10.3	Procurement - CD Return Sludge PS Plant 2	14-Apr-16 A	06-Dec-17	29-Nov-18 A	05-Dec-18																																																
2.10.4	Construction - CD Return Sludge PS Plant 2	22-Apr-16 A	06-Dec-18	14-Sep-23	01-Dec-24																																																
2.11 Effluent Pump Station																																																					
2.11.1	Engineering Design - CD Effluent Pump Station	24-Aug-16 A	01-Jan-17	16-Jun-17 A	18-Aug-17																																																
2.11.2	Permitting - CD Effluent Pump Station	22-Jun-17 A	19-Aug-17	27-Feb-18 A	20-Jun-18																																																
2.11.3	Procurement - CD Effluent Pump Station	07-Mar-18 A	21-Jun-18	04-Aug-19 A	20-Jun-19																																																
2.11.4	Construction - CD Effluent Pump Station	05-Aug-19 A	21-Jun-19	01-Jul-21 A	21-Jun-21																																																

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

MIAMI-DADE WATER & SEWER DEPARTMENT

CONSENT DECREE PROGRAM SCHEDULE

CURRENT VS APPROVED EPA DATES

QUALITY. VALUE. ECONOMIC GROWTH. WWW.MIAMIDADE.GOV/WATER	Date	Revision	Checked	Approved
	14-Jul-14	Revision 0	GSR	DH
	15-Oct-21	Sept 2021 Update		
	15-Nov-21	Oct 2021 Update		
	15-Dec-21	Nov 2021 Update		
14-Jan-22	Dec 2021 Update			

Appendix C
CMOM Program:
Financial Analysis Program Report

MIAMI-DADE WATER AND SEWER DEPARTMENT
Consolidated Financial Projection - Wastewater Systems (\$000)
Fiscal Year Actuals Year to Date (October - September 2021)
(On an accrual basis)

<i>In Thousands</i>	Audited Oct-Sep	Unaudited Oct-Sep
Wastewater System	FY 19-20 Actual	FY 20-21 Actual
Revenues:		
Wastewater System Operating Revenues	\$427,522	\$451,315
Interest Income	\$7,673	\$1,404
Other Adjustments (net change accruals&payables)	(\$3,735)	\$0
Transferred From WASH Water Operations <i>(*Occurs at Year-end FY2021 flow of funds - after audit)</i>	\$79,085	\$0
Total Revenues:	\$510,545	\$452,719
Expenditures:		
Wastewater System Operating & Maintenance Expenditures	(\$275,021)	(\$279,676)
Debt Service - Existing (net of Swap receipts)	(\$171,507)	(\$179,813)
Operating Revenues Transferred To Wastewater Capital Funds (Renewal & Replacement/Special Construction)	(\$62,200)	(\$40,558)
Operating Revenues Transferred (To) From Bond Required Reserve	(\$1,817)	\$1,322
Transferred To WASH Water Operations	\$0	\$0
Total Expenditures Operating and Non-Operating	(\$510,545)	(\$498,725)
Net Overage/(Deficit) in Wastewater System Revenues <i>(*Pending FY21 transfer from water - after audit)</i>	\$0	(\$46,006)
% Increase for Net <i>Deficit</i>	<i>0.00%</i>	<i>0.00%</i>

** YTD 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	\$80,060	\$79,261
Water and Wastewater Rate Stabilization Fund Balance	\$30,534	\$30,534
Water and Sewer General Reserve Fund Beginning Balance	\$76,780	\$79,708
Water and Wastewater Systems Transfer to/(from) General Reserve	\$2,928	\$0
Water and Sewer General Reserve Fund Ending Balance	\$79,708	\$79,708

Miami-Dade Water and Sewer Department
Statement of Revenues, Expenses and Changes in Net Position
WASTEWATER - Wastewater Funds
For 12 Months Ending September 30, 2021

Report Id: WGL011-9
Run on: 11/09/21 11:57 AM
Source: GL

	Unaudited FY 2021			FY 2020	
	Actual	Budget	Variance Fav/(Unfav)	Actual	Variance Fav/(Unfav)
OPERATING REVENUES					
Retail Water	-	-	-	-	-
Retail Wastewater	343,223,198.09	332,298,271.00	10,924,927.09	324,979,962.90	18,243,235.19
Wholesale Water	-	-	-	-	-
Wholesale Wastewater	97,410,291.03	78,370,074.00	19,040,217.03	90,604,613.50	6,805,677.53
Other Revenues	10,681,646.87	16,374,069.00	(5,692,422.13)	11,937,728.78	(1,256,081.91)
TOTAL OPERATING REVENUES	451,315,135.99	427,042,414.00	24,272,721.99	427,522,305.18	23,792,830.81
OPERATING & MAINTENANCE EXPENSES					
Water Source of Supply	-	-	-	-	-
Water Pumping	-	-	-	-	-
Water Treatment and Purification	-	-	-	-	-
Water Transmission and Distribution	-	-	-	-	-
Sewer Collection	36,694,809.85	35,666,162.22	(1,028,647.63)	33,169,146.20	(3,525,663.65)
Sewer Pumping	53,856,562.43	50,171,166.71	(3,685,395.72)	50,188,386.87	(3,668,175.56)
Sewer Treatment and Disposal	107,045,807.11	109,216,011.66	2,170,204.55	100,503,598.26	(6,542,208.85)
Customer Accounting	16,870,153.29	4,886,194.52	(11,983,958.77)	12,202,090.58	(4,668,062.71)
Customer Service	10,984,726.84	8,675,517.37	(2,309,209.47)	10,809,852.08	(174,874.76)
General and Administration	54,223,939.28	61,768,792.44	7,544,853.16	68,147,801.81	13,923,862.53
Fringes and Overhead	-	-	-	-	-
Stores Overhead	-	-	-	-	-
Vehicle Overhead	-	-	-	-	-
TOTAL OPERATING & MAINTENANCE EXPENSES	279,675,998.80	270,383,844.92	(9,292,153.88)	275,020,875.80	(4,655,123.00)
OPERATING INCOME BEFORE DEPRECIATION	171,639,137.19	156,658,569.08	14,980,568.11	152,501,429.38	19,137,707.81
Depreciation	143,636,804.32	-	(143,636,804.32)	129,592,195.54	(14,044,608.78)
OPERATING INCOME (LOSS)	28,002,332.87	156,658,569.08	(128,656,236.21)	22,909,233.84	5,093,099.03
NON-OPERATING REVENUE (EXPENSE)					

Miami-Dade Water and Sewer Department
Statement of Revenues, Expenses and Changes in Net Position
WASTEWATER - Wastewater Funds
For 12 Months Ending September 30, 2021

Report Id: WGL011-9
Run on: 11/09/21 11:57 AM
Source: GL

	Unaudited FY 2021			FY 2020	
	Actual	Budget	Variance Fav/(Unfav)	Actual	Variance Fav/(Unfav)
Customer Connection Fees	21,909,711.01	-	21,909,711.01	28,598,192.72	(6,688,481.71)
Other Revenue	(945,294.34)	-	(945,294.34)	(10,511,111.03)	9,565,816.69
Other Expense	-	-	-	-	-
Change in Fair Value	(150,358.56)	-	(150,358.56)	547,653.03	(698,011.59)
Interest Income	1,171,635.74	-	1,171,635.74	7,794,720.16	(6,623,084.42)
Interest Expense	(98,095,374.04)	-	(98,095,374.04)	(91,542,891.95)	(6,552,482.09)
Capitalized Interest	(6,051.75)	-	(6,051.75)	(564,629.67)	558,577.92
Amortization of Debt Issue	(11,444,698.50)	-	(11,444,698.50)	(11,006,982.53)	(437,715.97)
Operating Disaster Revenue	128,152.58	-	128,152.58	-	128,152.58
Operating Grants	-	-	-	-	-
Job Order Recovery	811,823.15	-	811,823.15	979,004.69	(167,181.54)
Job Order Expenses	(798,321.07)	-	(798,321.07)	(1,041,664.26)	243,343.19
Gen Fund Admin Support Fee	-	-	-	-	-
Non-Operating Transfers	-	-	-	-	-
Non-Operating Activity	-	-	-	-	-
Non-O&M Activity	-	-	-	-	-
TOTAL NON-OPERATING REVENUE (EXPENSE)	(87,418,775.78)	-	(87,418,775.78)	(76,747,708.84)	(10,671,066.94)
INCOME (LOSS) BEFORE CAPITAL CONTRIBUTIONS	(59,416,442.91)	156,658,569.08	(216,075,011.99)	(53,838,475.00)	(5,577,967.91)
Capital Contributions	16,393,355.49	-	16,393,355.49	38,144,628.65	(21,751,273.16)
INCREASE (DECREASE) IN NET POSITION	(43,023,087.42)	156,658,569.08	(199,681,656.50)	(15,693,846.35)	(27,329,241.07)

**Miami-Dade Water and Sewer Department
GL O&M Expense Analysis by O&M Activity
As of September 30, 2021**

Report Id: WFR018
Run on: 01/13/22 06:27 PM
Source: GL

		Annual Budget 2021	Annual Actual 2021	Annual Budget 2021	Annual Actual 2020	Annual Budget 2020
OPERATING & MAINTENANCE EXPENSES						
100057	OM Activity - GL use only (SC)	578,413	970,152	578,413	891,803	559,210
225002	Sewer Collection & Trans (SC)	264,855	170,279	264,855	75,548	-
226002	Sewer Collection & Trans (SC)	-	171,541	-	-	-
229002	Sewer Collection & Trans (SC)	668,466	1,107,107	668,466	261,123	-
260004	Security Services (SC)	700,000	839,380	700,000	602,071	780,000
260110	Communications (SC)	354,105	437,565	354,105	338,555	832,251
260402	Damages (SC)	126,725	146,098	126,725	144,354	136,320
350105	Construction Mgmt (SC)	-	604	-	19,678	-
360002	Sewer Collection & Trans (SC)	-	-	-	-	400
520101	Install. of Elect Equip (SC)	-	(1,636)	-	-	-
520521	Grounds Installs/Landscp (SC)	-	948	-	769	-
520541	Grounds Maint. Services (SC)	-	2	-	-	-
520601	Indoor Air Qly Insp Compl (SC)	50,000	-	50,000	-	75,000
520621	Install Mech/Hvac-Refr Eq (SC)	-	2,999	-	4,972	-
520661	Maint. of Mech Hvac Equip (SC)	-	116	-	633	-
520751	Install. of Plumb Equip (SC)	-	3	-	-	-
520777	Maint. of Plumbing Equip (SC)	-	3,572	-	3,539	-
520871	Misc Projects/Tasks (SC)	-	5,756	-	17,948	-
520905	Locksmith Services (SC)	-	(270)	-	(1)	-
520913	Painting (SC)	-	5	-	331	-
520921	Structural Misc Task (SC)	-	3,577	-	17,743	-
620004	Sewer Collection & Trans (SC)	255,000	318,892	255,000	53,072	-
630117	Sewer Collection & Trans (SC)	2,500	2,700	2,500	-	2,500
650002	Sewer Collection & Trans (SC)	-	-	-	961,925	1,250,654
711301	Sewer Meter Related Work (SC)	945,746	914,801	945,746	871,455	1,034,574
711302	Maint Swr Meter Vaults (SC)	-	1,604	-	89,222	-
711305	Calibr/Test Sewer Meter (SC)	-	1,936	-	-	-
810002	Sewer Collection Actv (SC)	-	-	-	(3,520)	-
811015	Telemetering/SCADA (SC)	77,600	93,528	77,600	112,935	171,409
840001	Admin. & General (SC)	3,828,117	3,385,049	3,828,117	3,248,498	3,193,394
840002	Facilities Maint (SC)	11,200	13,649	11,200	12,958	10,500
840101	Cleaning (SC)	2,404,599	3,622,885	2,404,599	3,727,098	4,499,814
840102	Evaluation/Review (SC)	637,184	1,036,518	637,184	873,486	787,724
840103	Force Main Inspection (SC)	81,301	77,960	81,301	186,744	78,982
840104	Inspection-Repair Shop (SC)	922,582	853,253	922,582	781,080	892,317

**Miami-Dade Water and Sewer Department
GL O&M Expense Analysis by O&M Activity
As of September 30, 2021**

Report Id: WFR018
Run on: 01/13/22 06:27 PM
Source: GL

		Annual Budget 2021	Annual Actual 2021	Annual Budget 2021	Annual Actual 2020	Annual Budget 2020
840105	Joint Grouting (SC)	15,000	165,588	15,000	172,268	478,300
840106	Lateral TV Inspection (SC)	201,039	664,202	201,039	643,941	1,291,191
840107	Manhole Inspections (SC)	-	93,300	-	157,208	-
840108	Manhole Sealing (SC)	246,300	501,941	246,300	1,019,002	81,255
840109	Metering-Conductivity (SC)	-	584,891	-	73,925	368,639
840110	Metering-Night Flow (SC)	-	301,754	-	219,780	122,593
840111	Metering-Pre/Post (SC)	100	-	100	314	150
840112	Special Projects Inspect (SC)	5,323,603	1,546,992	5,323,603	1,741,617	3,542,047
840113	Pump Station Improv Prog (SC)	-	-	-	(409)	-
840114	Smoke Test (SC)	1,200	17,810	1,200	31,275	1,200
840116	Wellfield Protect Inspec. (SC)	-	-	-	248,239	-
840117	I/I Contract - Inspection (SC)	2,000,000	1,640,842	2,000,000	1,119,006	2,058,060
840118	Sect Metal Sleeve Main Li (SC)	-	3,187	-	9,468	-
840119	Deroot Main Line (SC)	-	29,061	-	1,835	-
840120	Descale Main Line (SC)	-	163,583	-	53,018	-
840121	Heavy Clean Main Line (SC)	-	86,821	-	28,989	-
840122	Gravity Main CCTV Insp (SC)	-	2,065,853	-	1,529,759	-
840123	Grout Latrl Annular Space (SC)	-	47,453	-	15,780	-
840201	Air Rel Valve Maint & Ble (SC)	-	4,076	-	174,001	-
840202	Aut Air Rel Valve Install (SC)	-	(226)	-	-	-
840203	Autom Air Rel Valve Rep (SC)	-	52,242	-	341,804	-
840204	Dye Tests (SC)	-	12,462	-	14,330	-
840205	Force Main Installation (SC)	-	11,319	-	-	-
840206	Force Main Repairs (SC)	887,014	1,791,631	887,014	1,276,093	807,255
840207	Gravity Main Installation (SC)	-	6,313	-	132	-
840208	Gravity Main Point Reps (SC)	5,800,775	6,006,676	5,800,775	3,985,981	5,594,645
840209	Lateral Location (SC)	-	12	-	855	-
840210	Lateral Point Repairs (SC)	1,346,800	2,752,198	1,346,800	2,215,052	565,487
840211	Maint./Rep-Rep Shop (SC)	170,500	140,074	170,500	211,643	403,900
840212	Manhole Installation (SC)	-	3,303	-	-	-
840213	Manhole-Repairs (SC)	2,177,200	470,941	2,177,200	1,407,171	3,293,100
840214	Restoration (SC)	5,000	857,874	5,000	819,476	-
840215	Sewer Lateral Inspection (SC)	-	1,865	-	389	-
840216	Sewer Lateral Install. (SC)	-	4,029	-	1,175	-
840217	System Valve Exercising (SC)	4,572,887	2,069,529	4,572,887	2,181,461	2,038,955
840218	System Valve Installation (SC)	200	190,479	200	92,458	7,150
840219	System Valve Repair (SC)	-	20,842	-	36,072	-
840220	I/I Contract - Maint/Repr (SC)	1,000,000	596	1,000,000	475	1,000,000

**Miami-Dade Water and Sewer Department
GL O&M Expense Analysis by O&M Activity
As of September 30, 2021**

Report Id: WFR018
Run on: 01/13/22 06:27 PM
Source: GL

		Annual Budget 2021	Annual Actual 2021	Annual Budget 2021	Annual Actual 2020	Annual Budget 2020
840221	Special Projects-M&R Sec(SC)	-	103,883	-	-	-
840240	Assisting Other Divisions (SC)	-	100,452	-	51,396	-
850129	Metering (SC)	10,150	388	10,150	150	40,400
Sewer Collection		35,666,162	36,694,810	35,666,162	33,169,146	35,999,375
100058	OM Activity - GL use only (SP)	909,073	1,508,144	909,073	1,387,463	878,841
212006	Sewer Pumping (SP)	126,345	79,323	126,345	230,355	123,680
225001	Sewer Pumping (SP)	523,576	251,657	523,576	112,496	-
229001	Sewer Pumping (SP)	5,280	50,758	5,280	761	-
260005	Security Services (SP)	600,000	658,289	600,000	734,247	1,220,000
260120	Communications (SP)	257,425	481,185	257,425	519,712	906,277
320003	Sewer Pumping (SP)	-	-	-	17,674	-
350102	Construction Mgmt (SP)	-	19,665	-	-	-
360001	Sewer Pumping (SP)	-	-	-	313,707	747,587
520002	Admin. & General (SP)	13,000	63,906	13,000	(1,945)	1,000
520102	Install. of Elect Equip (SP)	-	(45,713)	-	-	-
520301	Fueling/Recovery Deliv (SP)	16,179	72,333	16,179	79,257	-
520522	Grounds Installs/Landscp (SP)	-	17,078	-	(2,597)	-
520542	Grounds Maint. Services (SP)	286,357	276,938	286,357	222,255	253,584
520622	Install Mech/Hvac-Refr Eq (SP)	-	5,772	-	8,781	-
520642	Maintenance Contracts (SP)	-	-	-	427	-
520662	Maint. of Mech Hvac Equip (SP)	2,000	9,646	2,000	9,965	4,500
520778	Maint. of Plumbing Equip (SP)	107,609	67,569	107,609	28,084	105,948
520872	Misc Projects/Tasks (SP)	-	9,639	-	25,799	-
520902	Carpentry (SP)	-	(4,953)	-	-	-
520906	Locksmith Services (SP)	-	(438)	-	(3)	-
520914	Painting (SP)	-	14,803	-	4,724	-
520922	Structural Misc Task (SP)	646,577	164,408	646,577	14,405	616,311
630112	Hazardous Waste Disposal (SP)	8,300	-	8,300	-	8,000
630114	Sewer Pumping (SP)	192,900	43,992	192,900	30,187	360,800
650001	Sewer Pumping (SP)	-	-	-	9,109	25,500
810001	Sewer Pumping Activities (SP)	-	-	-	108,580	-
811016	Telemetry/SCADA (SP)	882,895	2,386,386	882,895	2,230,062	905,526
830001	Adm&Gnl (SP)	1,980,451	1,475,794	1,980,451	1,713,125	1,783,419
830002	Adm&Gnl-Admin Support (SP)	911,936	1,185,551	911,936	966,530	658,536
830003	Adm&Gnl-Training (SP)	28,400	31,621	28,400	24,433	7,200
830004	Adm&Gnl-Supv (SP)	112,515	122,867	112,515	130,561	206,501
830005	Adm&Gnl-Other (SP)	835,135	819,844	835,135	900,024	576,911

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830200	Operations (SP)	-	81,459	-	85,051	-
830201	OP-Shutdowns (SP)	-	42	-	14,070	925
830203	OP-Supv (SP)	953,996	1,116,118	953,996	1,165,927	1,293,973
830204	OP-Engineering (SP)	-	-	-	751	200
830205	OP-Operations (SP)	200	13,602	200	306	114,083
830206	OP-Other (SP)	8,595,471	5,082,836	8,595,471	2,177,166	7,568,116
830300	Equipment (SP)	7,734,351	7,985,013	7,734,351	7,391,290	7,716,400
830301	Equip-Routine (SP)	6,131,424	4,549,029	6,131,424	3,431,645	6,112,187
830302	Equip-Preventive (SP)	985,252	1,215,670	985,252	636,506	810,055
830303	Equip-Predictive (SP)	15,387	12,023	15,387	29,119	3,700
830304	Equip-Corrective (SP)	9,201,984	14,916,823	9,201,984	16,366,617	7,677,050
830305	Equip-Engineering (SP)	-	2,339	-	475	100
830306	Equip-Supervision (SP)	877,440	1,268,379	877,440	1,203,682	915,559
830307	Equip-Other (SP)	525,753	100,061	525,753	1,044,047	49,476
830401	GroundsRoutine (SP)	7,600	8,336	7,600	3,735	4,600
830404	GroundsCorrective (SP)	800	676	800	1,061	3,000
830405	GroundsEngineering (SP)	200	-	200	1,159	-
830407	GroundsOther (SP)	-	-	-	103	-
830500	Structures (SP)	37,300	43,013	37,300	62,470	17,800
830501	Struct-Routine (SP)	77,200	211,382	77,200	808,632	60,000
830502	Struct-Preventive (SP)	2,000	343,051	2,000	-	1,100
830503	Struct-Predictive (SP)	8,314	1,830	8,314	917	15,200
830504	Struct-Corrective (SP)	285,176	905,738	285,176	1,480,414	176,086
830505	Struct-Engineering (SP)	14,523	758	14,523	448	15,100
830506	Struct-Supervision (SP)	634,365	553,295	634,365	709,199	607,408
830507	Struct-Other (SP)	3,439,958	2,125,284	3,439,958	1,478,293	3,058,122
830601	RemAct/Spil-Supv (SP)	-	10	-	695	-
830603	RemAct/Spil-Shutdowns (SP)	118	1	118	-	-
830700	Inspection (SP)	1,800	68,881	1,800	-	400
830703	Insp-ET's (SP)	38,853	195,276	38,853	242,228	34,125
830704	Insp-Prop Pump Stations (SP)	7,441	31,114	7,441	29,829	4,500
830705	Insp-Donations (SP)	-	946	-	-	-
830802	Gas Monit Calib-Materials (SP)	-	-	-	126,766	-
830900	Emergency (SP)	21,324	(8,949)	21,324	36,591	125
830901	Emerg - Hurrigan Preparat (SP)	12,107	99,069	12,107	73	-
830902	Emerg-Hurricane Recovery (SP)	500	853,860	500	-	500
830904	Emergency - Run Generator (SP)	32,832	12,617	32,832	15,362	400
830906	Emergency - OPP (SP)	-	17,040	-	13,581	-

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830907	Assist other Division (SP)	74,898	300,502	74,898	71,469	200
850130	Utilities Monitoring (SP)	1,563,500	1,462,265	1,563,500	1,482,918	1,484,900
850203	Assistance to Other Div (SP)	100	42,568	100	-	850
850209	Maint/Rep-Diesel Eqp/Gens(SP)	271,150	332,430	271,150	101,815	136,291
850213	Maint/Rep-Pump Stations (SP)	156,550	146,108	156,550	155,774	363,850
850220	Maint/Rep-Struct/Grounds (SP)	-	6	-	22	100
850222	Underground Piping/Valves (SP)	10,150	-	10,150	-	51,225
850224	Remedial Action/Spills (SP)	-	-	-	-	50
850226	Telemetry/SCADA (SP)	4,200	-	4,200	-	5,750
850228	Odor Control (SP)	1,000	-	1,000	-	10,000
Sewer Pumping		50,171,167	53,856,562	50,171,167	50,188,387	47,703,631
100059	OM Activity - GL use only (ST)	1,767,848	2,781,012	1,767,848	2,363,672	1,709,907
210001	Sewer Trmnt & Disposal (ST)	3,000,000	100,965	3,000,000	-	4,000,000
212007	Sewer Treat and Disposal (ST)	347,602	206,460	347,602	425,308	336,797
221001	High Level Disinfection (ST)	-	6,102	-	-	-
225003	Sewer Treatment Activity (ST)	-	364,209	-	-	-
226001	Sewer Treatment Activity (ST)	-	42,200	-	-	-
227001	Sewer Treatment Activity (ST)	1,457,935	468,586	1,457,935	927,601	1,598,671
228001	Sewer Treatment Activity (ST)	200,349	197,754	200,349	201,667	197,819
260006	Security Services (ST)	2,500,000	1,897,412	2,500,000	1,514,848	3,000,000
320002	Expense Projects (ST)	-	204	-	(56)	-
350107	Construction Mgmt (ST)	-	(1,926)	-	33,053	-
520302	Fueling/Recovery Deliv (ST)	-	56,873	-	33,905	3,000
520463	Fire Protection System (ST)	-	7,114	-	8,268	-
520501	Grounds Contract Services (ST)	347,603	431,229	347,603	332,134	259,841
520523	Grounds Installs/Landscp (ST)	-	10,144	-	5,456	-
520543	Grounds Maint. Services (ST)	1,642,521	1,413,858	1,642,521	1,126,492	1,353,560
520623	Install Mech/Hvac-Refr Eq (ST)	-	3,269	-	(49,648)	-
520643	Maintenance Contracts (ST)	-	-	-	93	-
520663	Maint. of Mech Hvac Equip (ST)	1,093,855	1,369,687	1,093,855	1,028,269	988,870
520779	Maint. of Plumbing Equip (ST)	-	(527)	-	300	-
520873	Misc Projects/Tasks (ST)	-	(1,003)	-	5,803	162,568
520974	Rentals-Other Divisions (ST)	-	716,591	-	753,049	100
610001	Sewer Treatment Plant (ST)	-	11,820	-	14,563	-
620001	Sewer Treatment Plant (ST)	1,840,000	1,680,213	1,840,000	943,585	1,150,000
630119	Sewer Treatment Plant (ST)	307,800	96,367	307,800	224,998	360,400
740001	LabS Treat & Disp Exp (ST)	3,192,447	3,162,219	3,192,447	2,928,308	2,843,401

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810003	Sewer Treatment Actv (ST)	300,000	223,063	300,000	110,733	250,000
811017	Telemetry/SCADA (ST)	4,992,296	2,804,758	4,992,296	2,367,250	5,484,679
811018	Main/Rep-Rad/Com Eq (ST)	61,800	38,570	61,800	18,934	49,900
811021	Instl/Rep/Cam/Surv Eq (ST)	210,837	231,856	210,837	222,373	213,562
850001	Admin. & General (ST)	35,557,366	36,563,304	35,557,366	34,798,503	35,977,815
850002	Adm&Gnl-CMMS (ST)	426,679	363,286	426,679	370,670	405,159
850003	Adm&Gnl-Supervision (ST)*	75	-	75	-	125
850004	Adm & Gnl-Permitting (ST)	55,650	73,707	55,650	88,186	31,525
850005	CDL Random Testing (ST)	100	-	100	-	200
850006	Training (ST)	28,110	34,130	28,110	28,103	24,348
850007	Union Activities (ST)	100	-	100	-	200
850103	Emerg Power Generation (ST)	5,983	18,138	5,983	-	7,306
850104	Odor Control (ST)	7,508,451	6,038,548	7,508,451	5,691,152	8,021,831
850105	Effluent Pumping (ST)	1,000	-	1,000	-	10,000
850106	Pumping Stations (ST)	3,528	-	3,528	-	5,996
850109	Training (ST)	67,425	51,400	67,425	36,113	87,715
850111	Purchased Treatment (ST)	-	-	-	36,625	125
850112	Reuse Facility (ST)	7,638	1,204	7,638	-	6,006
850114	Sludge Cons & Diges Ops (ST)	3,808	1,152,270	3,808	-	14,811
850115	Dewatering (ST)	2,867,962	3,842,617	2,867,962	3,711,122	2,955,998
850116	Solids Handling (ST)	10,105,771	9,491,657	10,105,771	7,577,999	12,027,545
850117	Headworks (ST)	100	-	100	-	150
850119	Secondary Clarification (ST)	11,437	123,251	11,437	9,884	33,574
850120	O2 Generation (ST)	379,885	582,154	379,885	302,764	447,494
850121	Non Emer Power Generation (ST)	264,098	172,834	264,098	166,079	384,876
850122	Final Station (ST)	200	-	200	-	1,500
850123	Deep Well Injection (ST)	291,100	-	291,100	27,550	1,200
850124	Tanker Duty (ST)	2,353	52	2,353	(333)	11,612
850125	Biosolids Processing (ST)	50,250	-	50,250	-	51,400
850127	Vessel Cleaning (ST)	83,963	269,459	83,963	47,589	159,138
850128	Special Projects (ST)	33,492	106,654	33,492	118,291	62,158
850202	Other Maintenance (ST)	646,071	642,249	646,071	561,829	498,218
850204	Assistance to Other Div (ST)	31,094	(5,372)	31,094	38,752	34,502
850206	Emerg Actv/Emg Gen-Stby (ST)	120,800	257,576	120,800	357,364	124,070
850208	Maint/Rep-Co-Generation(ST)	1,055,346	1,092,015	1,055,346	1,357,358	766,269
850210	Maint/Rep-Diesel Eqp/Gens(ST)	2,540,650	2,526,154	2,540,650	2,748,060	3,054,114
850211	Maint/Rep-Plant Equipment (ST)	16,051,805	17,149,173	16,051,805	15,493,421	15,858,786
850212	Maint/Rep-Instr/Ctrls/Mtrs(ST)	313,708	360,564	313,708	330,330	629,250

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850214	Maint/Rep-Pump Stations (ST)	3,000	-	3,000	-	3,925
850215	Maint/Rep-Radio/Comm (ST)	200	-	200	-	300
850216	Maint/Rep-Cryogenic Plant (ST)	127,779	195,518	127,779	237,751	64,845
850217	Maint/Rep-Sldg Concnt/Digs(ST)	64,630	70,369	64,630	376,555	33,935
850218	Maint/Rep-Sldg Dewatering(ST)	48,433	104,552	48,433	3,239,802	44,422
850219	Maint/Rep-Sludge Handling (ST)	670,494	108,956	670,494	18,892	788,562
850221	Maint/Rep-Struct/Grounds (ST)	3,561,602	3,328,977	3,561,602	4,085,564	2,775,288
850223	Underground Piping/Valves (ST)	468,743	120,080	468,743	236,314	409,221
850225	Remedial Action/Spills (ST)	1,100	-	1,100	-	1,250
850227	Telemetry/SCADA (ST)	100	43,482	100	30,685	100
850230	Special Projects (ST)	2,491,038	3,847,768	2,491,038	2,839,661	2,445,589
Sewer Treatment and Disposal		109,216,012	107,045,807	109,216,012	100,503,598	112,225,530
TOTAL O&M EXPENSES		475,564,221	481,812,418	475,564,221	478,678,633	480,361,587
TOTAL DIRECT O&M WASTEWATER SYSTEM EXPENSES (SC, SP, ST)			197,597,179 Oct-Sep		183,861,131 Oct-Sep	

Miami-Dade Water and Sewer Department
Wastewater Capital Expenditures by Project/Sub-Projects

Data for 10/1/20 through 9/30/21

WASD Project #	OMB Project Name	WASD Subproject #	WASD Subproject Name	FY 2021 Expenditures
1002	NORTH DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT	101947	NDWWTP FA MONITORING WELLS TO MEET FDEP REQ.	\$1,555,750
1002	NORTH DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT	102220	NT-3C - NDWWTP - EDB # 3 (Replacement Electrical Bldg.)(WIFIA 2)	\$1,676
1002	NORTH DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT	102221	NDWWTP Effluent Pump Station and Electrical Annex	\$118,167
1003	CENTRAL DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT	102205	2.21.02 PS 1 SEAWALL AND HARDENING PROJECT (FEMA)	\$313,572
1003	CENTRAL DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT	102206	CD2.22.02 - PS 2 BEAUTIFICATION AND HARDENING CITY OF MIAMI (FEMA)	\$217,276
1003	CENTRAL DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT	102223	CDWWTP - STORM HARDENING OF NEW HYPOCHLORITE BUILDING. MWH PLANS ALREADY AT 90% READY FOR PERMITTING	\$17,666
1003	CENTRAL DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT	103024	CT-4 - CDWWTP - New Materials Management Building	\$144,719
1006	SOUTH DISTRICT WASTEWATER TREATMENT PLANT EXPANSION - PHASE III	102102	SDWWTP FA MONITORING WELL REPLACEMENT	\$272,855
1007	SOUTH DISTRICT UPGRADES - WASTEWATER TREATMENT PLANT	102184	SDWWTP FOG RECOVERY STATION	\$843,232
1008	NORTH MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS IMPROVEMENTS	101768	WASD SERVICE AREA WEST OF I-75 AND NORTH OF NW 170 ST. (ADM AREA)	\$1,823,865
1008	NORTH MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS IMPROVEMENTS	101924	INSTALLATION OF A REDUNDANT SEWER FM FROM WEST SIDE OF INTERCOASTAL WATERWAY AT NE 163 ST TO NDWWTP	\$2,707,669
1008	NORTH MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS IMPROVEMENTS	101985	LEHMAN CAUSEWAY	\$475,922
1008	NORTH MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS IMPROVEMENTS	102072	NL-1A TO PHASE 1 & 2: 60" FM FROM BISCAYNE BLVD. TO N. MIAMI AVE. Phase 1 & 2	\$913,588
1008	NORTH MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS IMPROVEMENTS	102245	OJUS SANITARY SEWER WITHIN THE OJUS URBAN AREA DISTRICT (DIRECTOR)	\$85,046
1008	NORTH MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS IMPROVEMENTS	103018	REPLACE 18" DIP FM FROM PS 499 NORTH ON ISLAND BLVD TO PS 471	\$1,518,600
1008	NORTH MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS IMPROVEMENTS	103036	Force Main Replacement from PS0491 to Manhole on 137 at Collins Ave.	\$41,970
1009	CENTRAL MIAMI-DADE WASTEWATER TRANSMISSION MAINS AND PUMP STATIONS IMPROVEMENTS	102200	BISCAYNE BASIN PROJECTS RELATED TO CL-1	\$316,643
1011	FLOW REDUCTION PROGRAM (FRP)	100050	REHABILITATION OF SEWER MAINS DUE TO I/I - SECTIONAL LINING	\$735,035
1011	FLOW REDUCTION PROGRAM (FRP)	100890	REHABILITATION OF SEWER MAINS DUE TO I/I - CURED-IN-PLACE LINING	\$2,897,583
1011	FLOW REDUCTION PROGRAM (FRP)	102800	Rehabilitation of Sewer Mains - Dig and Replace, (Previously called Collection System I/I Repairs)	\$652,347
1011	FLOW REDUCTION PROGRAM (FRP)	103019	Rehabilitation of Sewer Mains - CIPP for WPO	\$435,701
1013	WASTEWATER GENERAL MAINTENANCE AND OFFICE FACILITIES	101886	MIAMI GARDENS (CAROL CITY YARD) - MODULAR / STEEL BUILDING	\$12,115
1013	WASTEWATER GENERAL MAINTENANCE AND OFFICE FACILITIES	101887	MEDLEY YARD BUILDING	\$54,979
1013	WASTEWATER GENERAL MAINTENANCE AND OFFICE FACILITIES	103005	SOUTH MIAMI HEIGHTS TRAILER INSTALLATION AND SITE DEVELOPMENT	\$2,297,666
1018	PEAK FLOW MANAGEMENT FACILITIES	101774	Force Main in Doral 36-Inch Diameter Sanitary Sewer FM: in 107 Avenue - from NW 7 St. to NW 25 Street	\$2,059,898
1018	PEAK FLOW MANAGEMENT FACILITIES	102034	LAND ACQUISITION FOR WDWTP (WDWRRF) (WT-1L)	\$238,778
1019	SANITARY SEWER SYSTEM EXTENSION	100877	SANITARY SEWER SYSTEM EXTENSION	\$2,906,448
1019	SANITARY SEWER SYSTEM EXTENSION	101733	SANITARY SEWER SYSTEM EXTENSION FOR JPA's	\$1,674,117
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)	\$179,686
1023	WASTEWATER TELEMETERING SYSTEM	100621	TELEMETERING SYSTEM - WASTEWATER	\$56,729
1024	WASTEWATER SYSTEM MAINTENANCE AND UPGRADES	100622	WASTEWATER SYSTEM UPGRADES	\$20,302,374

WASD Project #	OMB Project Name	WASD Subproject #	WASD Subproject Name	FY 2021 Expenditures
1025	LIFT STATION UPGRADES AND STRUCTURAL MAINTENANCE IMPROVEMENTS	100623	LIFT STATION STRUCTURAL MAINTENANCE & UPGRADES	\$4,995,082
1027	WASTEWATER EQUIPMENT AND VEHICLES	100625	MISCELLANEOUS TOOLS AND EQUIPMENT	\$42,564
1027	WASTEWATER EQUIPMENT AND VEHICLES	101729	VEHICLES/TRANSPORTATION EQUIPMENT	\$3,615,597
1027	WASTEWATER EQUIPMENT AND VEHICLES	101730	HEAVY CONSTRUCTION EQUIPMENT	\$2,491,215
1029	WASTEWATER TREATMENT PLANTS REPLACEMENT AND RENOVATION	100627	WASTEWATER TREATMENT PLANTS REHABILITATION	\$9,424,433
1029	WASTEWATER TREATMENT PLANTS REPLACEMENT AND RENOVATION	101732	SECURITY PROJECTS	\$682,306
1040	OCEAN OUTFALL LEGISLATION REGULATORY	101867	CT-2A - CDWWTP - HLD Improvements & Filtration Pilot Test (WIFIA 4 Applicant)	\$391,296
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102006	NT-2C - NDWWTP - HLD Facilities (WIFIA 4 Applicant)	\$1,695,878
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102007	NE-2 - NDWWTP - Municipal Injection Wells (WIFIA 1)	\$1,124,846
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102008	NE-1 - NDWWTP - Municipal Injection Well PS (WIFIA 4 Applicant)	\$1,006,688
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102009	CE-1 - CDWWTP - Municipal Injection Well PS (WIFIA 4 Applicant)	\$1,241,264
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102010	CE-2 - CDWWTP - Municipal Injection Wells (WIFIA 1)	\$30,520,752
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102038	CDWWTP - CENTRATE INJECTION WELL (CE-4)	\$477,817
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102080	NT-3 - NDWWTP - EDB # 2 (Electrical Bldg. for HLD)(WIFIA 2)	\$902,925
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102096	CDWWTP PUMP STATION FOR CENTRATE WELL (CE-3)	\$2,447,623
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102138	OWNERS REPRESENTATIVE SERVICES FOR OOL PROGRAM AND WASTEWATER SYSTEM	\$3,258,643
1040	OCEAN OUTFALL LEGISLATION REGULATORY	102222	CT-3C.1 - CDWWTP - EDB #2 (HLD)(WIFIA 2)	\$1,960,332
1040	OCEAN OUTFALL LEGISLATION REGULATORY	103007	CT-3B - CDWWTP - O2 Train and Secondary Clarifiers (WIFIA 4 Applicant)	\$786,596
1040	OCEAN OUTFALL LEGISLATION REGULATORY	103014	NT-2B- NDWWTP - Site Prep & Stormwater (WIFIA 4 Applicant)	\$1,491,170
1041	GENERAL OBLIGATION BOND (GOB)	101796	UPGRADE OF MIAMI SPRINGS PUMP STATION AND CONTRACT SPECIFICATIONS	\$69,045
1042	WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS	101967	WASTEWATER - PIPES AND INFRASTRUCTURE PROJECTS	\$1,019,568
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102500	SDWWTP - Headworks	\$27
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102501	SDWWTP - Oxygen Production	\$4,282,696
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102502	SDWWTP - Oxygenation Trains	\$229,347
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102503	SDWWTP - Chlorine Building	\$1,184,573
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102504	SDWWTP - Effluent Pump Station	\$17,623,653
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102506	SDWWTP - Digesters and Control Buildings	\$17,597,964
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102507	SDWWTP - Dewatering Facility	\$22,335,167
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102508	SDWWTP - FOG Removal Facility	\$84,351
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102509	SDWWTP - Odor Control	\$1,402,059
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102510	SDWWTP - General Electrical	\$1,048,299
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102511	SDWWTP - Chlorine Contact Chamber Structural	\$907,431
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102600	CDWWTP - Electrical Improvements	\$7,981,754
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102601	CDWWTP - Building improvements	\$27,830
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102602	Headworks Plant 1	\$192,719
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102603	CDWWTP - Headworks Plant 2	\$116,792
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102604	CDWWTP - Oxygenation Trains Plant 1	\$42,866
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102605	CDWWTP - Oxygenation Trains Plant 2	\$1,874,875
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102606	CDWWTP - Secondary Clarifiers Plant 1	\$485,015
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102607	CDWWTP - Secondary Clarifiers Plant 2	\$1,176,172
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102608	CDWWTP - RS Pump Stations Plant 1	\$92,975
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102609	CDWWTP - RS Pump Stations Plant 2	\$8,048,996
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102610	CDWWTP - Effluent Pump Station	\$9,513,962
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102614	CDWWTP - Digesters Plant 2	\$10,834,867
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102615	CDWWTP - Dewatering Building	\$28,728,982
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102616	CDWWTP - Chlorination Facilities	\$50,608
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102618	CDWWTP - Co-Gen Facility	\$713,359
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102620	CDWWTP - Pump Station 1	\$65,662
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102621	CDWWTP - Pump Station 2	\$837,045
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102624	CDWWTP -Ventilation Improvements	\$66,174

WASD Project #	OMB Project Name	WASD Subproject #	WASD Subproject Name	FY 2021 Expenditures
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102625	CDWWTP - REHABILITATION OF WALKWAYS AND STAIRWAYS	\$102,231
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102626	CDWWTP - Oxygen Production	\$31,026,342
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102628	CONSENT DECREE PROGRAM MANAGEMENT & CONSTRUCTION MANAGEMENT	\$2,701,972
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102700	NDWWTP - Headworks and Sludge Degritting Transfer	\$6,646
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102701	NDWWTP - Primary Clarifiers and Odor Control	\$20,227,769
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102703	NDWWTP - Oxygen Production	\$1,169,395
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102704	NDWWTP - Secondary Clarifiers	\$4,397,135
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102705	NDWWTP - Disinfection	\$3,790,202
1044	WASTEWATER TREATMENT PLANTS - CONSENT DECREE PROJECTS	102707	NDWWTP - Plant Wide Electrical	\$613,219
1045	WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT DECREE PROJECTS	102804	South Dade 54 inch PCCP FM Rehabilitation	\$32,729
1045	WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT DECREE PROJECTS	102808	Replace Approximately 25 miles of AC force mains	\$1,271,154
1045	WASTEWATER COLLECTION AND TRANSMISSION LINES - CONSENT DECREE PROJECTS	102809	Opa-Locka Airport 48" PCCP force main replacement	\$83,957
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102900	DORAL BASIN - UPGRADE SEWAGE PS No. 418	\$542,961
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102902	Upgrade of PS#0692	\$2,476,355
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102903	Replacement of Switchgear PS#0414	\$512,543
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102904	Replacement of Switchgear and Rehabilitation of Wet well PS#0415	\$1,084,838
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102905	Replacement of Switchgear PS#0416	\$226,973
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102906	Replacement of Switchgear and Rehabilitation of Wet well PS#0417	\$1,744,944
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102908	Replacement of Plumbing and Electrical Equipment at PS#0301	\$5,443,520
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102909	Upgrade of PS#0488	\$0
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102910	Installation of 60 inch FM from Kendall Dr to PS#0536	\$399,515
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102911	Replacement of Switchgear at PS#0187	\$26,953
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102916	Upgrade of PS #0037, 0351, 0370, 0403	\$86,577
1046	SEWER PUMP STATION SYSTEMS - CONSENT DECREE PROJECTS	102917	Upgrade of PS #0441, 0491, 0710, 0827, 0852, 1236	\$88,594
1047	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT	103000	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT - GRAVITY AND FORCE MAINS	\$3,346,675
1047	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT	103001	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT - PUMP STATIONS	\$250,595
1047	WASTEWATER COMMERCIAL CORRIDORS ECONOMIC DEVELOPMENT	103002	SUPPLEMENTAL ENVIRONMENT PROJECT (SEP)	\$33,322
1048	South District Expansion WW Treatmt. Plant Capacity	101757	CL-1 - Downtown Transmission FM Extension	\$2,725,193
1048	South District Expansion WW Treatmt. Plant Capacity	102055	ST-1B - SDWWTP - Step Feed & Oxygenation Train Rehab(WIFIA 3)	\$1,856,242
1048	South District Expansion WW Treatmt. Plant Capacity	102056	ST-2A SDWWTP - Headworks and Oxygenation Train(WIFIA 3)	\$3,320
1048	South District Expansion WW Treatmt. Plant Capacity	102150	SE-2 - SDWWTP - Municipal Injection Wells (WIFIA 1)	\$5,457,406
1048	South District Expansion WW Treatmt. Plant Capacity	103009	SDWWTP - Chlorine Contact & Wells PS (ST-2C)(WIFIA 3)	\$712,485
1048	South District Expansion WW Treatmt. Plant Capacity	103011	SDWWTP - Electrical Building (ST-2D)(WIFIA 2)	\$2,036,686
1048	South District Expansion WW Treatmt. Plant Capacity	103015	ST- 2E - SDWWTP - RAS Piping(WIFIA 3)	\$3,838,664
1049	ESTABLISHED A PUMP STATION RESILIENCE PROGRAM (PSRP)	101454	PUMP STATION IMPROVEMENT PROGRAM	\$10,174,801
1049	ESTABLISHED A PUMP STATION RESILIENCE PROGRAM (PSRP)	101816	INSTALLATION OF ODOR CONTROL UNITS AT PUMP STATIONS (VAPE)	\$98,939
1049	ESTABLISHED A PUMP STATION RESILIENCE PROGRAM (PSRP)	101930	REPLACEMENT OF MECHANICAL EQUIPMENT IN REGIONAL PUMP STATIONS	\$169,285
1049	ESTABLISHED A PUMP STATION RESILIENCE PROGRAM (PSRP)	101934	REPLACEMENT OF VARIABLE REQUENCY DRIVES (VFD)	\$656,000
1049	ESTABLISHED A PUMP STATION RESILIENCE PROGRAM (PSRP)	102045	P.S. 2 BASIN UPGRADE - PHASE 1 LOCAL	\$175,984
1049	ESTABLISHED A PUMP STATION RESILIENCE PROGRAM (PSRP)	102126	RELOCATION OF 20 PUMP STATIONS	\$133,756
1049	ESTABLISHED A PUMP STATION RESILIENCE PROGRAM (PSRP)	102160	CONVERSION OF CAN PUMP STATIONS TO SUBMERSIBLE	\$563,221

WASD Project #	OMB Project Name	WASD Subproject #	WASD Subproject Name	FY 2021 Expenditures
1049	ESTABLISHED A PUMP STATION RESILIENCE PROGRAM (PSRP)	102163	PS NO. 0559 - REPLACEMENT OF MECH & ELECTRICAL EQUIPMENT	\$18,329
1049	ESTABLISHED A PUMP STATION RESILIENCE PROGRAM (PSRP)	102192	OUT OF COMPLIANCE PUMP STATIONS	\$2,636,956
1049	ESTABLISHED A PUMP STATION RESILIENCE PROGRAM (PSRP)	102201	PS#0300 - REPLACEMENT OF MECHANICAL & ELECTRICAL EQUIPMENT	\$162,956
1049	ESTABLISHED A PUMP STATION RESILIENCE PROGRAM (PSRP)	103022	Pump Station Upgrades due to Aging Infrastructure	\$189,750
				\$366,360,617

Appendix D
Supplemental Environmental Project:
Connection Database

Folio	Address	Owner	Folio Number	Property Type	TYPE OF USE/PTXA	SWR CC'S	ACCOUNT IN CC&B	TYPE OF ACCT	NORC Letter Sent	NORC No.	Date Sent	90 or 365 days to connect	Connection deadlines	Connected	Violation Number & Type	Certified Receipt Confirmation Number (USPS)	C. Date of Delivery	RER Received C Returned Card	Notes
FOLIO 74	2717 NW 34 ST MIAMI FL 33142	SITE INVEST LLC	3031270010860	INDUSTRIAL	WAREHOUSE	\$ 168.00	YES	WAREHOUSE	YES	5119	4/30/2019	90	7/29/2019	P2020032908 - final 5/3/20					
PHASE 1	3255 NW 38 ST MIAMI FL 33142	DANDY SAND INVESTMENTS LLC	3031210140580	INDUSTRIAL	N/A	NO	NO	N/A	YES	5601	7/16/2018			C2019113753 - P2019069995					
PHASE 1	3298 NW 38 ST MIAMI FL 33142	3 CS DEVELOPMENT GROUP LLC	3031210140430	INDUSTRIAL	N/A	NO	NO	N/A	YES	5602	7/16/2018			N/A Total demo C2019101507 - 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)(iv) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE
PHASE 1	3251 NW 38 ST MIAMI FL 33142	FELIX SERVELLO	3031210140570	INDUSTRIAL	WAREHOUSE	NO	YES / 6039923200	WAREHOUSE	YES	5603	7/16/2018			2018-ALL-1205 / NOSA sent 7.18.18					
PHASE 1	3200 NW 38 ST MIAMI FL 33142	ROGELIO E MULLER	3031210140530	INDUSTRIAL	OFFICE & WAREHOUSE	NO	YES / 2565226322	OFFICE & WAREHOUSE	YES	5604	7/16/2018			2018-ALL-1210 / NOSA sent 7.18.18					
PHASE 1	3800 NW 38 ST MIAMI FL 33142	FRANK DE LA OLIVA	3031210140540	INDUSTRIAL	WAREHOUSE	YES / N00067957	YES / 3165526200	WAREHOUSE	YES	5605	7/16/2018			C2019192870 - P2019076186					
PHASE 1	3241 NW 38 ST MIAMI FL 33142	SCANDINAVIAN DEVELOPMENT LLC	3031210140460	INDUSTRIAL		NO	NO	N/A	YES	5606	7/16/2018			C2019045141 - P2019026728					
FOLIO 6	3800 NW 35 AVE MIAMI FL 33412	ELEVATOR CONSTRUCTIONS LOCAL 71 HOLDING CO INC	3031210001251	INDUSTRIAL	AUTOMOTIVE	\$ 3,337.60	YES	WAREHOUSE	YES	5872	3/8/2019	365	3/8/2019	C2020045855 - P2020045855 - P2019196856 - P2020001215		7017 2400 0000 7831 3926	No Date of Signature	3/22/2019	
FOLIO 41	3175 NW 37 ST MIAMI FL 33142	AUTOMOTIVE PROPERTIES WEST LLC C/O TRACY SEIDLE	3031210030070	INDUSTRIAL	AUTOMOTIVE-MARINE	\$ 2,273.60	YES	VEHICLE DEALER	YES	5873	3/8/2019	365	3/8/2020			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	MIX-USE	\$ 753.20	YES	STORE	YES	5875	3/8/2019	90	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	AUTOMOTIVE	\$ 722.40	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 WILLIAM LLOYD JTR	3031210360570	INDUSTRIAL	MANUF-FOOD PROCESSING	\$ 5,978.00	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	WAREHOUSE	\$ 627.20	YES	WAREHOUSE		5878	Unknown			C2019086261 - P2019032110		7017 2400 0000 7831 3964	3/20/2019	4/4/2019	
FOLIO 20	3300 NW 37 ST MIAMI FL 33412	ART BY GOD INC	3031210360620	INDUSTRIAL	MANUF-FOOD PROCESSING	\$ 40,654.32	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	3- APTS	\$ 2,520.00	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	AUTOMOTIVE-MARINE	\$ 3,235.12	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	AUTOMOTIVE OR MARINE	\$ 1,385.44	YES	VEHICLE REPAIR	YES	5882	4/25/2019	90	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	AUTOMOTIVE OR MARINE	\$ 5,346.88	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	AUTOMOTIVE OR MARINE	\$ 1,293.60	YES	WAREHOUSE	YES	5884	3/21/2019	365	3/21/2020	C2019183844 - P2019066614		7017 2400 0000 7831 4008	Unknown	4/4/2019	
FOLIO 84	3275 NW 36TH ST MIAMI FL 33412	BP 36TH STREET PROPERTY INC	3031210140210	INDUSTRIAL	AUTOMOTIVE OR MARINE	\$ -	NO		YES	5885	3/21/2019	365	3/21/2020		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	AUTOMOTIVE OR MARINE	\$ 6,737.36	YES	WAREHOUSE	YES	5886	3/21/2019	365	3/21/2020	C2019151023 - P2019033962 - C2019209278 - P2019081284	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)(iv) 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	WAREHOUSE	\$ 409.36	YES	STORE	YES	5887	3/21/2019	365	Mar-20			7017 2400 0000 7831 4039	3/27/2019	4/4/2019	
FOLIO 45	3235 NW 37 ST MIAMI FL 33412	ROJASFANK CORPORATION	3031210140350	INDUSTRIAL	WAREHOUSE	\$ 583.97	YES	WAREHOUSE	YES	5888	3/21/2019	365	3/21/2020			7017 2400 0000 7831 4053	4/1/2019	4/4/2019	
FOLIO 35	3245 NW 37 ST MIAMI FL 33412	MONSTER VENTURES LLC	3031210140360	INDUSTRIAL	MANUF-FOOD PROCESSING	\$ 17,640.00	YES	WAREHOUSE	YES	5889	3/21/2019	365	3/21/2020			7017 2400 0000 7831 4060	3/27/2019	4/9/2019	
FOLIO 21	3271 NW 37 ST MIAMI FL 33412	38 MIAMI INVESTMENTS LLC	3031210140390	INDUSTRIAL	WHOLESALE OUTLET	\$ 504.00	YES	WAREHOUSE	YES	5890	3/21/2019	365	3/21/2020			7017 2400 0000 7831 4060	3/27/2019	4/9/2019	
FOLIO 23	3820 NW 32 AVE MIAMI FL 33412	LR & EA LLC	3031210140620	INDUSTRIAL	MANUF-FOOD PROCESSING	\$ 21,391.44	YES	VEHICLE PAINT	YES	5891	4/9/2019	90	7/8/2019			7017 2400 0000 7831 8129	4/17/2019	5/1/2019	
FOLIO 24	3816 NW 32 AVE MIAMI FL 33412	ELEND AND EDDY INVEST CORP.	3031210140630	INDUSTRIAL	WAREHOUSE	\$ 613.09	YES	WAREHOUSE	YES	5892	4/11/2019	365	4/11/2020			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	WAREHOUSE	\$ 610.51	YES	WAREHOUSE	YES	5893	4/11/2019	365	4/11/2020	C2020102449 P2020055310		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	WAREHOUSE	\$ -	NO		YES	5894	4/11/2019	365	4/11/2020		#20200201375	7017 2400 0000 7831 8150	4/17/2019	4/23/2019	105.1 VIOLATION(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	FIURELLA PERFUMES CORP	3031210140680	INDUSTRIAL	WAREHOUSE	\$ -	NO		YES	5895	4/11/2019	365	4/11/2020		F201111458 (Unsafe Structure)	7017 2400 0000 7831 8341	5/6/2019	5/14/2019	9010 WORK DONE WITHOUT PERMIT OR WITH EXPIRED PERMIT: SEC. 8-5 (a)(3) AND 8-5 (b)(3)(i) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE 40 year Certificated issues 12/30/19
FOLIO 38	3904 NW 32 AVE MIAMI FL 33412	SAMUEL T VIVIANO III SARA V ROLLEY	3031210140690	INDUSTRIAL	WAREHOUSE	\$ -	NO		YES	5896	4/25/2019	90	7/24/2019			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	WAREHOUSE	\$ -	NO		YES	5897	4/17/2019	365	4/17/2020		#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	MANUF-FOOD PROCESSING	\$ 610.51	YES	WAREHOUSE	YES	5898	4/25/2019	365	4/25/2020			7017 2400 0000 7831 8334	No Date of Signature	5/6/2019	

Folio	Address	Owner	Folio Number	Property Type	TYPE OF USE/PTXA	SWR CC'S	ACCOUNT IN CC&B	TYPE OF ACCT	NORC Letter Sent	NORC No.	Date Sent	90 or 365 days to connect	Connection deadlines	Connected	Violation Number & Type	Certified Receipt Confirmation Number (USPS)	C. Date of Delivery	RER Received C Returned Card	Notes
FOLIO 26	3916 NW 32 AVE MIAMI FL 33412	MIAMI DADE EXPRESSWAY	3031210140720	INDUSTRIAL	INDUSTRIAL LIGHT MFG	\$ 613.09	YES	WAREHOUSE	YES	5899	4/17/2019	365	4/17/2020		F2007107549 (Unsafe Structure)	7017 2400 0000 7831 8181	4/22/2019	5/1/2019	9004 DETERIORATED STRUCTURE OR STRUCTURAL PARTS: SEC. 8-5 (b)(2)(ii) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE 9007 THE ELECTRICAL OR MECHANICAL INSTALLATIONS OR SYSTEMS CREATE A HAZARDOUS CONDITION: SEC. 8-5 (b)(2)(v) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE 9020 FAILURE TO OBTAIN 40 YR. BUILDING RE-CERTIFICATION: SEC. 8-11 (f) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE
FOLIO 25	3920 NW 32 AVE MIAMI FL 33412	MIAMI DADE EXPRESSWAY AUTHORITY	3031210140730	INDUSTRIAL	INDUSTRIAL LIGHT MFG	\$ 611.18	YES	WAREHOUSE	YES	5900	4/17/2019	365	4/17/2020		F2007107069 (Unsafe Structure)	7017 2400 0000 7831 8198	4/22/2019	5/1/2019	9020 FAILURE TO OBTAIN 40 YR. BUILDING RE-CERTIFICATION: SEC. 8-11 (f) CODE OF MIAMI-DADE COUNTY AND THE FLORIDA BUILDING CODE Last activity 5/27/2010:NCL AND VACATE LETTER NOT MAILED, CASE UNDER ADMINISTRATIVE REVIEW BY M.LEE.
FOLIO 7	3805 NW 35 AVE MIAMI FL 33412	ELEVATOR CONSTRUCTIONS LOCAL 71 HOLDING CO INC	3031210360370	INDUSTRIAL	WAREHOUSE	\$ 229.60	YES	WAREHOUSE	YES	5901	4/17/2019	365	4/17/2020	C20121050376- P20121052880 C2019168094 - P2020003915		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	OFFICE BLDG	\$ 252.00	YES	WAREHOUSE	YES	5902	4/17/2019	365	4/17/2020			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	MANUF-FOOD PROCESSING	-	NO		YES	5903	4/17/2019	365	4/17/2020			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	WAREHOUSE	-	NO		YES	5904	4/17/2019	365	4/17/2020			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	WAREHOUSE	\$ 475.61	YES	WAREHOUSE	YES	5905	4/17/2019	365	4/17/2020			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	MANUF-FOOD PROCESSING	\$ -	NO		YES	5906	4/25/2019	365	4/25/2020		199952903 (Work w/o permit or failure to maintain)	7017 2400 0000 7831 8358	5/1/2019	5/6/2019	12/22/17 - TICKET 729181 WAS PAID ON 9/7/2020, 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	WAREHOUSE	\$ 2,140.04	YES	WAREHOUSE	YES	5909	4/18/2019	365	4/18/2020	P2020018841 - final 1/6/20					
FOLIO 79	3400 NW 27 AVE MIAMI FL 33142	CAMILO GOMZES DANIEL JARAMILLO GALLO	3031270010640	COMMERCIAL	RETAIL	\$ 858.48	YES	STORE	YES	5910	4/18/2019	365	4/18/2020						
FOLIO 81	2787 NW 34 ST MIAMI FL 33412	LEONARDO GARCIA & SEVERINO D GARCIA	3031270010820	INDUSTRIAL	WAREHOUSE	\$ -	NO		YES	5911	4/18/2019	365	4/18/2020			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	WAREHOUSE	\$ 239.40	YES	WAREHOUSE	YES	5912	4/18/2019	365	4/18/2020			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	MANUF-FOOD PROCESSING	\$ 10,707.48	YES	VEHICLE REPAIR	YES	5913	4/18/2019	365	4/18/2020	C20121030165- 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	WAREHOUSE	\$ 1,683.92	YES	VEHICLE REPAIR	YES	5914	4/18/2019	365	4/18/2020			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	MANUF-FOOD PROCESSING	\$ 63,754.88	YES	WAREHOUSE	YES	5915	4/18/2019	365	4/18/2019			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	MULTIFAMILY-DUPLEXES-4	\$ 8,064.00	YES	DUPLEX BOTH	YES	5916	5/30/2019	365	5/30/2020						
FOLIO 65	3050 NW 33 ST MIAMI FL 33412	LUISA SUMMERS	3031280111642	RESIDENTIAL	SINGLE FAMILY RESIDENCE	\$ 1,232.00	YES	RESIDENCE	YES	5917	5/30/2019	365	5/30/2020						
FOLIO 80	3230 NW 30 AVE MIAMI FL 33412	AIXA SHAMALEIH	3031280111610	RESIDENTIAL	MULTIFAMILY-DUPLEX	\$ 4,032.00	YES	RESIDENCE	YES	5918	5/30/2019	365	5/30/2020			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	SINGLE FAMILY RESIDENCE	\$ 1,232.00	YES	RESIDENCE	YES	5919	5/30/2019	365	5/30/2020			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	SINGLE FAMILY RESIDE CE	\$ 1,232.00	YES	RESIDENCE	YES	5920	5/30/2019	365	5/30/2020			7017 2400 0000 7831 8433	6/19/2019	6/25/2019	
FOLIO 66	3044 NW 33 ST MIAMI FL 33412	EVA RODRIGUEZ	3031280111641	RESIDENTIAL	SINGLE FAMILY RESIDENCE	\$ 1,232.00	YES	RESIDENCE	YES	5921	5/30/2019	365	5/30/2020			7017 2400 0000 7831 8440	No Date of Signature	No RER Stamp of Returned Date	
FOLIO 68	3034 NW 33 ST MIAMI FL 33412	ESTRELLA PEREZ & OSVALDO DOMINGUEZ	3031280111640	RESIDENTIAL	MULTIFAMILY-DUPLEXES-2	\$ 2,016.00	YES	RESIDENCE	YES	5922	5/30/2019	365	5/30/2020						
FOLIO 57	3165/67 NW 38 ST MIAMI FL 33412	LEROY M BERRY	3031210030010	COMMERCIAL	MULTIFAMILY-DUPLEX	\$ 2,016.00	YES	DUPLEX BOTH	YES	5923	5/30/2019	365	5/30/2020	C2020094155 - P2020042421		7017 2400 0000 7831 8464	No Date of Signature	6/25/2019	
FOLIO 54	3110 NW 38 ST MIAMI FL 33412	JUNIOR RODRIGUEZ & W ISABEL MEJIA	3031210040070	RESIDENTIAL	MULTIFAMILY-DUPLEX	\$ 2,016.00	YES	RESIDENCE	YES	5924	5/30/2019	365	5/30/2020			7017 2400 0000 7831 8471	No Date of Signature	7/8/2019	
FOLIO 60	3091 NW 33 ST MIAMI FL 33412	PEPIE HARRIS TANDHASSETTI TRS PEPIE TANDHASSETTI REVOCABLE TR	3031280130030	RESIDENTIAL	SINGLE FAMILY RESIDENCE	\$ 1,232.00	YES	RESIDENCE	YES	5925	5/30/2019	365	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	ADELAI DA GONZALEZ	3031280111660	RESIDENTIAL	MULTIFAMILY-DUPLEX	\$ 2,016.00	YES	RESIDENCE PLUS	YES	5926	5/30/2019	365	5/30/2020						
FOLIO 56	3185/87 NW 38 ST MIAMI FL 33412	LEROY M BERRY	3031210030020	COMMERCIAL	MULTIFAMILY-DUPLEX	\$ 2,016.00	YES	DUPLEX BOTH	YES	5927	5/30/2019	365	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	SINGLE FAMILY RESIDENCE	\$ 1,232.00	YES	RESIDENCE	YES	5928	6/17/2019	365	6/17/2019			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	MULTIFAMILY-DUPLEX	\$ 2,016.00	YES	DUPLEX BOTH	YES	5929	6/17/2019	365	6/16/2020			7017 2400 0000 7831 6620	No Date of Signature	7/5/2019	
FOLIO 51	3150-54 NW 38 ST MIAMI FL 33142	YOSI GARCIA	3031210030040	INDUSTRIAL	MULTIFAMILY-DUPLEX	\$ 2,016.00	YES	DUPLEX BOTH	YES	5930	6/17/2019	365	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	SINGLE FAMILY RESIDENCE	\$ 1,232.00	YES	RESIDENCE	YES	5931	6/17/2019	365	6/17/2020						
FOLIO 53	3130 NW 38 ST MIAMI FL 331 42	ANTONIO LOPEZ & W MARY	3031210040060	INDUSTRIAL	SINGLE FAMILY RESIDE CE	\$ 1,232.00	YES	RESIDENCE	YES	5932	6/18/2019	365	6/18/2020	C2021098612- P2021052223		7017 2400 0000 7831 6651	7/5/2019	7/8/2019	
FOLIO 17	3352 NW 38 ST MIAMI FL 33412	JACS 38 LLC	3031210360720	INDUSTRIAL	SINGLE FAMILY RESIDENCE	-	NO		YES	5933	6/18/2019	365	6/18/2020			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	SINGLE FAMILY RESIDENCE	\$ 1,232.00	YES	RESIDENCE	YES	5934	6/18/2019	365	6/18/2020						
FOLIO 10	3435 NW 37 ST MIAMI FL 33412	ROSA LUISA MARTINEZ TRS	3031210360560	INDUSTRIAL	RESIDENTIAL	\$ 1,232.00	YES	OFFICE	YES	5935	6/18/2019	365	6/18/2020						
FOLIO 88	3100 NW 38 ST MIAMI FL 331 42	MARVIN BOCHNER INC	3031210040080	INDUSTRIAL	PARKING LOT-MOBILE HOME	\$ -	NO												
PHASE 1	3233 NW 38 ST MIAMI FL 33142	SEABASTOPOL INTL INC	3031210140545	INDUSTRIAL	STORE	NO	YES	STORE		N/A									
PHASE 1	3230 NW 38 ST MIAMI FL 33142	MIAMI COMPRESSOR REBUILDERS INC	3031210140510	INDUSTRIAL	VEHICLE REPAIR	YES / N00038067	YES / 8923917854	VEHICLE REPAIR		N/A									
PHASE 1	3259 NW 38 ST MIAMI FL 33142	DANDY SAND INVESTMENTS LLC	3031210140590	INDUSTRIAL	WAREHOUSE	NO	YES / 5387181204	WAREHOUSE		N/A									
PHASE 1	3270 NW 38 ST MIAMI FL 33142	3 CS DEVELOPMENT GROUP LLC	3031210140450	INDUSTRIAL	FACTORY	YES / N00036403	YES / 4908646010	FACTORY		N/A									
PHASE 1	3250 NW 38 ST MIAMI FL 33142	EBERLE FRANCOIS	3031210140480	INDUSTRIAL		YES / N00041099	YES / 1545132524	VEHICLE DEALER		N/A									
FOLIO 1	3519 NW 36 ST MIAMI FL 331 42	DL REAL STATE LLC	0131210380010	COMMERCIAL	VACANT LAND	\$ -	YES	VEHICLE REPAIR											
FOLIO 4	3252 NW 36TH ST MIAMI FL 33127	DL REAL ESTATE LLC	3031210001250	INDUSTRIAL	VACANT LAND	\$ -	NO												
FOLIO 14	ADDRESS NOT AVAILABLE	MAESTRE CONSTRUCTION INC	3031210630010	INDUSTRIAL	VACANT LAND	\$ -	YES	RESIDENCE											
FOLIO 15	3850 NW 35 AVE MIAMI FL 33142	MIAMI DADE EXPRESSWAY AUTHORITY	3031210001100	INDUSTRIAL	VACANT GOVERNMENTAL	\$ -	YES	WAREHOUSE											
FOLIO 18	3405 NW 38 ST MIAMI FL 33412	JOSE LAZARO RODRIGUEZ JNR REVOCABLE LIVING TRUST NIRZA RODRIGUEZ TRS	3031210360390	INDUSTRIAL	VACANT LAND -INDUSTRIAL	\$ -	NO												
FOLIO 19	3333 NW 38 ST MIAMI FL 33412	MIAMI DADE COUNTY MIAMI DADE TRANSIT	3031210440010	INDUSTRIAL	VACANT GOVERNMENTAL	\$ -	YES	WAREHOUSE											
FOLIO 22	ADDRESS NOT AVAILABLE	BP 36TH STREET PROPERTY INC	3031210140250	INDUSTRIAL	PARKING LOT-MOBILE HOME	\$ -	NO												
FOLIO 27	ADDRESS NOT AVAILABLE	BP 36TH STREET PROPERTY INC	3031210140260	RESIDENTIAL	PARKING LOT-MOBILE HOME	\$ -	NO												
FOLIO 28	3244 NW 37 ST MIAMI FL 33412	BP 36TH STREET PROPERTY INC	3031210140270	RESIDENTIAL	PARKING LOT-MOBILE HOME	\$ -	NO												
FOLIO 33	3236 NW 37 ST MIAMI FL 33412	O RILLY AUTOMOTIVE STORES INC	3031210140280	INDUSTRIAL	PARKING LOT-MOBILE HOME	\$ -	NO												
FOLIO 36	3804 NW 32 AVE MIAMI FL 33412	MAKEN HOLDING LLC	3031210140660	INDUSTRIAL	PARKING LOT-MOBILE HOME	\$ -	NO												
FOLIO 37	3802 NW 32 AVE MIAMI FL 33412	MAKEN INVESTMENT GROUP LLC	3031210140670	INDUST															