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VIA ELECTRONIC CORRESPONDENCE

February 1, 2016

CCN: 60014
File No: 8.DC.20.33

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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 32 – Semi-Annual Reports – 2015
Semi-Annual Report No. 2**

Dear Sir/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 2015 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, 2015 through December 31, 2015. The report also includes the anticipated work to be completed over the next two calendar quarters through June 30, 2016. The county has met all of the Consent Decree requirements for the previous two calendar quarters and is in full compliance with the Consent Decree.

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) 552-8120.

Sincerely,



Bertha Goldenberg, P.E., LEED® Green Associate
Assistant Director, Regulatory Compliance and Planning

Attachment: 2015 Semi-Annual Report No. 2

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2015 Semi-Annual Report No. 2

July 1, 2015 through December 31, 2015

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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Contents

1.0 Executive Summary	1
2.0 Introduction	10
2.1 Purpose	10
2.2 Requirements	10
2.3 Reporting Schedule	11
2.4 Reporting Structure	11
3.0 Work Progress	12
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	12
3.2 New CMOM Programs – Paragraph 19(a) through (h), (j)	12
3.2.1 Specific Capital Improvement Projects ("CIPs") Program – Paragraph 19(i)	12
3.3 Supplemental Environmental Project ("SEP") Plan.....	12
4.0 Additional Information	14
4.1 State's Ocean Outfall Legislation (OOL).....	14

Appendix

A Work Progress Tables

B Project Schedule Gantt Charts

Tables

1-1	Completed CD Projects, Activities and Milestones.....	2
1-2	Upcoming CD Projects, Activities, and Milestones	4
1-3	Issues Log.....	5

Acronyms and Abbreviations

AC	Asbestos Cement
BODR	Basis of Design Report
CDWWTP	Central District Wastewater Treatment Plant
CD	Consent Decree
CIP	Capital Improvement Project
CIPP	Cured in Place Pipe
CMOM	Capacity, Management, Operations and Maintenance
County	Miami-Dade County
EFT	Electronic Funds Transfer
EPA	Environmental Protection Agency
FM	Force Main
FOG	Fats, Oils and Grease
FDEP	Florida Department of Environmental Protection
GPD	Gallons per Day
GPM	Gallons per Minute
GIS	Geographic Information System
I/I	Inflow/Infiltration
IMS	Information Management System
LF	Linear Foot
MGD	Million Gallons per Day
NPDES	National Pollutant Discharge Elimination System
N/A	Not Applicable
OOL	Ocean Outfall Legislation

PDR	Public Document Repository
PS	Pump Station
RER-DERM	Department of Regulatory and Economic Resources-Division of Environmental Resources Management
RTU	Remote Telemetry Unit
R & R	Renewal and Replacement
SSO	Sanitary Sewer Overflow
SEP	Supplemental Environmental Project
SORP	Sewer Overflow Response Plan
SCADA	Supervisory Control and Data Acquisition
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.

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 of the CD. In accordance with the CD, this Report includes a description of the projects and activities completed and milestones achieved during the previous two calendar quarters (July 1, 2015 through December 31, 2015), and also provides projections for significant projects and activities anticipated to be completed in the next two calendar quarters (January 1, 2016 through June 30, 2016).

On March 18, 2014, the County approved a 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. 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.

The County has met all of the CD requirements for the previous two calendar quarters and is in full compliance with the CD. The projects, activities, and milestones achieved, and the deliverables submitted to EPA/FDEP for review and comment are listed in Table 1-1. The upcoming projects, activities, milestones, and deliverables for the next two calendar quarters are listed in Table 1-2. Additional program and project information is included in the Work Progress Tables and Gantt charts in Appendix A and Appendix B, respectively.

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 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 SSO Identification and Reporting	Section VI, para 19(b)	Within 24 hours and 5 days of known occurrence	Ongoing	Yes
Submit Sewer Overflow Response Plan	Section VI, para 19(b)	7/6/15	7/2/15	Yes
Post Sewer Overflow Response Plan in PDR	Section V, para 9	1 business day after submittal	7/2/15	Yes
Submit Request for Modifications of Non-Material Changes to Interim Milestones in CD Appendix D-2	Section XX, para 82	N/A	7/16/15	Yes
Post Request for Modification of Non-Material Changes to Interim Milestones in CD Appendix D-2 in PDR	Section V, para 9	1 business day after submittal	7/16/15	Yes
Submit 2015 Quarterly Report No.2	Section IX, para 32	7/31/15	7/30/15	Yes
Post 2015 Quarterly Report No.2 in PDR	Section IX, para 36	1 business day after submittal	7/30/15	Yes
Submit 2015 Semi-Annual Report No.1	Section IX, para 33	7/31/15	7/30/15	Yes
Post 2015 Semi-Annual Report No.1 in PDR	Section IX, para 36	1 business day after submittal	7/30/15	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 Force Main Operations, Preventative Maintenance and Assessment/Rehabilitation Program	Section VI, para 19(g)	8/6/15	8/6/15	Yes
Post Force Main Operations, Preventative Maintenance and Assessment/Rehabilitation Program in PDR	Section V, para 9	1 business day after submittal	8/6/15	Yes
Submit Request for Modification of Non-Material Change CD Appendix D CIP 5.11	Section XX, para 82	N/A	8/12/15	Yes
Post Request for Modification of Non-Material Change CD Appendix D CIP 5.11 in PDR	Section V, para 9	1 business day after submittal	8/12/15	Yes
Submit Request for Modification of Non-Material Change CD Appendix D CIP 2.27	Section XX, para 82	N/A	10/2/15	Yes
Post Request for Modification of Non-Material Change CD Appendix D CIP 2.27 in PDR	Section V, para 9	1 business day after submittal	10/2/15	Yes
Submit Sewer System Asset Management Program	Section VI, para 19(d)	10/6/15	10/6/15	Yes
Post Sewer System Asset Management Program in PDR	Section V, para 9	1 business day after submittal	10/6/15	Yes
Submit Request for Non-Material Change for Supplemental Environmental Project	Section XX, para 82	N/A	10/16/15	Yes
Post Request for Non-Material Change for Supplemental Environmental Project in PDR	Section V, para 9	1 business day after submittal	10/16/15	Yes
Submit 2015 Quarterly Report No. 3	Section IX, para 32	10/30/15	10/28/15	Yes
Post 2015 Quarterly Report No. 3 in PDR	Section IX, para 36	1 business day after submittal	10/28/15	Yes
Submit Force Majeure Notification Letter CD Appendix D CIP 4.4	Section XI, para 52	N/A	11/9/15	Yes
Post Force Majeure Notification Letter CD Appendix D CIP 4.4 in PDR	Section V, para 9	1 business day after submittal	11/9/15	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 Force Main Rehabilitation/Replacement Program	Section VI, para 19(g)	12/7/15	12/4/15	Yes
Post Force Main Rehabilitation/Replacement Program in PDR	Section V, para 9	1 business day after submittal	12/4/15	Yes
Submit Information Management System Program	Section VI, para 19(c)	12/7/15	12/4/15	Yes
Post Information Management System Program in PDR	Section V, para 9	1 business day after submittal	12/4/15	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 2015 Quarterly Report No. 4	Section IX, para 32	2/1/16	2/1/16
Post 2015 Quarterly Report No. 4 in PDR	Section IX, para 36	1 business day after submittal	1 business day after submittal
Submit 2015 Semi-Annual Report No.2	Section IX, para 33	2/1/16	2/1/16
Post 2015 Semi-Annual Report No.2	Section IX, para 36	1 business day after submittal	1 business day after submittal
Submit 2015 Annual Report	Section IX, para 34	3/1/16	3/1/16
Post 2015 Annual Report in PDR	Section IX, para 36	1 business day after submittal	1 business day after submittal
Submit CMOM Early Implementation Activities and Consolidated Implementation Schedule	Section VI, para 19	N/A	3/31/16
Post CMOM Early Implementation Activities and Consolidated Implementation Schedule in PDR	Section V, para 9	1 business day after submittal	3/31/15
Submit 2016 Quarterly Report No. 1	Section IX, para 32	5/2/16	5/2/16
Post 2016 Quarterly Report No. 1 in PDR	Section IX, para 36	1 business day after submittal	1 business day after submittal

Table 1-3 is an “Issues Log” which includes issues that have been identified by WASD, Department of Regulatory and Economic Resources-Division of Environmental Resources Management (RER-DERM), EPA or FDEP in 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	6/18/2015	On June 18, 2015 WASD proposed a definition for construction completion. It states, “Construction Completion shall mean completion of construction and installation of equipment or infrastructure such that the equipment or infrastructure has been placed in operation, and is expected to both function and perform as designed. This specifically includes all control systems and instrumentation necessary for normal operations and all residual handling systems. Miscellaneous items related to construction activities, such as restoration of surrounding areas or installation of other items not necessary for the equipment or infrastructure to function and perform as designed, is not required to be completed prior to the Miami-Dade Water and Sewer Department certifying that a particular project has met the construction completion milestone.”	Status: Completed. On July 17, 2015, Brad Ammons sent WASD an email stating that EPA concurs with the proposed definition of Construction Completion for purposes of determining when a Consent Decree Appendix D Project is completed.
2	7/16/15	The CD states in Section X Stipulated Penalties Paragraph 50, “In exercising its discretion of whether to assess a stipulated penalty for an SSO, EPA and/or FDEP will consider the amount of sewage recovered.” Therefore, it is WASD’s intention to initiate, when applicable perform, the calculation or estimation of recovered SSO volume. WASD will develop the processes and procedures and submit them to EPA/FDEP for approval.	Status: Pending. These processes and procedures are still under development.

Table 1-3 Issues Log

Item	Date	Description	Resolution/Clarification/Decision
3	7/16/15	At the July 16, 2015 CD Program Monthly Progress Meeting with EPA and FDEP, WASD proposed the cost effective alternative of adding a 48" connection to the suction side of PS 0536 that will provide similar benefits to those of the 60" FM for CD Appendix D-2 CIP 5.11.	EPA/FDEP verbally agreed to the proposal and mentioned that they felt the change was a non-material change of the Consent Decree. They requested a formal request for the proposed change. WASD submitted a Request for Non-Material Change for CD Appendix D CIP 5.11 on August 12, 2015. WASD received EPA and FDEP approval on October 28, 2015.
4	7/16/15	At the July 16, 2015 CD Program Monthly Progress Meeting with EPA and FDEP, WASD proposed an alternate approach (VPSA technology) to be used in place of cryogenic oxygen generation for CD Appendix D-2 CIP 2.27.	EPA/FDEP verbally agreed to the proposal and mentioned that they felt the change was a non-material change of the Consent Decree. They requested a formal request for the proposed change. WASD submitted a Request for Non-Material Change for CD Appendix D CIP 2.27 on October 2, 2015. Final decision still pending.
5	7/16/15	At the July 16, 2015 CD Program Monthly Progress Meeting with EPA and FDEP, WASD proposed an alternate design approach to CD Supplemental Environmental Project (SEP). The alternate design approach is compliant with the CD requirements in Section VIII, Supplemental Environmental Project.	EPA/FDEP verbally agreed to the proposal and mentioned that they felt the change was a non-material change of the Consent Decree. They requested a formal request for the proposed change. WASD submitted a Request for Non-Material Change for CD Supplemental Environmental Project (SEP) on October 16, 2015. Final decision still pending.
6	7/16/15	EPA/FDEP requested confirmation that the total fees for the properties and businesses serviced are not being used to offset the CD required \$2,047,200 cost to implement the proposed alternate design approach to CD Supplemental Environmental Project (SEP).	WASD confirmed that the total fees for the properties and businesses serviced are not being used to offset the CD required \$2,047,200 cost to implement the proposed alternate design approach to CD Supplemental Environmental Project (SEP) in their Request for Non-Material Change of the SEP letter sent to EPA/FDEP on October 16, 2015.

Table 1-3 Issues Log

Item	Date	Description	Resolution/Clarification/Decision
7	9/17/15	Implementation schedules are required to be included in CMOM Program deliverables. However, these programs are interrelated and one program directly affects another. On the January 22, 2015 CD Program Monthly Progress Meeting with EPA and FDEP, WASD recommended that a consolidated implementation schedule be developed once all of the CMOM Program deliverables have been submitted.	EPA/FDEP followed up with an email on March 19, 2015 and agreed to allow WASD to submit a consolidated implementation schedule for all CMOM programs once all program documents have been submitted. On the September 17, 2015 CD Program Monthly Progress Meeting with EPA and FDEP, Miami-Dade requested a deadline of March 2016 for the submittal of the CMOM Programs Consolidated Schedule of Implementation Activities. EPA and FDEP agreed to the requested deadline. WASD will submit a Consolidated Implementation Schedule for CMOM Programs to EPA/FDEP for review and approval by March 31, 2016.
8	12/04/15	The City of Homestead is designing and building a new Pump Station 0001. The new pump station will eliminate the need for PS 0691 to act as a booster for excess Homestead flows. The new pump station will discharge directly in the existing 42-inch force main currently being used by PS 0691. At the December 4, 2015 CD Program Monthly Progress Meeting with EPA and FDEP, WASD proposed to modify the scope of work for CD CIP 5.2. The scope change consists of connecting the Homestead system downstream from Pump Station 0691 and decommissioning the pump station.	EPA/FDEP verbally agreed to the proposal and mentioned that they felt the change was a non-material change of the Consent Decree. They requested a formal request for the proposed change. WASD will submit a formal request. Final decision still pending.

Table 1-3 Issues Log

Item	Date	Description	Resolution/Clarification/Decision
9	12/04/15	At the December 4, 2015 CD Program Monthly Progress Meeting with EPA and FDEP, WASD presented reasons for rehabilitating Digester Cluster 1, 2 and 3 and deleting Cluster 4 of CD CIP 2.15(4), and then deleting both CD CIP 2.14 (1) and CD CIP 2.14 (2). Due to improvements in thickening systems as a result of CD CIP 2.12, 2.13 and 2.16 Thickening and Dewatering, WASD has confirmed that only 2 digester clusters are required to treat the biosolids generated under design conditions and permitted plant capacity.	EPA/FDEP verbally agreed to the proposal and mentioned that they felt the change was a non-material change of the Consent Decree. They requested a formal request for the proposed change. WASD will submit a formal request. Final decision still pending.
10	12/04/15	At the December 4, 2015 CD Program Monthly Progress Meeting with EPA and FDEP, WASD presented reasons for the modification of CD South District WWTP CIP 1.07 description. WASD requested approval to use Clusters 1 and 2 for stabilization and Cluster 3 for sludge storage. Due to improvements in thickening systems as a result of CD 1.06/1.08 Thickening and Dewatering, WASD has confirmed that only 2 digester clusters are required to treat the biosolids generated under design conditions and permitted plant capacity.	EPA/FDEP verbally agreed to the proposal and mentioned that they felt the change was a non-material change of the Consent Decree. They requested a formal request for the proposed change. WASD will submit a formal request. Final decision still pending.
11	12/04/15	At the December 4, 2015 CD Program Monthly Progress Meeting with EPA and FDEP, WASD proposed an alternate approach (new mechanical thickening centrifuges) to be used in lieu of rehabilitating existing gravity thickeners and merging CD South District CIPs 1.06 and 1.08 into a single project.	EPA/FDEP verbally agreed to the proposal and mentioned that they felt the change was a non-material change of the Consent Decree. They requested a formal request for the proposed change. WASD will submit a formal request. Final decision still pending.

Table 1-3 Issues Log

Item	Date	Description	Resolution/Clarification/Decision
12	12/04/15	At the December 4, 2015 CD Program Monthly Progress Meeting with EPA and FDEP, WASD proposed an alternate approach (new mechanical thickening centrifuges) to be used in lieu of rehabilitating existing gravity thickeners and merging CD Central District CIPs 2.12, 2.13 and 2.16 into a single project.	EPA/FDEP verbally agreed to the proposal and mentioned that they felt the change was a non-material change of the Consent Decree. They requested a formal request for the proposed change. WASD will submit a formal request. Final decision still pending.

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). Six years from the Effective Date of the Consent Decree and each subsequent year until termination, the United States, FDEP, and Miami-Dade agree to consider whether to discontinue the Semi-Annual Reports. If the United States, FDEP and Miami-Dade 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. 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. Miami-Dade 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 this 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 due by July 30, 2014 according to the above requirement. Subsequent Semi-Annual Reports will be submitted pursuant to Paragraph 33 of the CD. As indicated in Section 2.1 of the Introduction, six years from the Effective Date of the Consent Decree and each subsequent year until termination, the United States, FDEP, and Miami-Dade agree to consider whether to discontinue the Semi-Annual Reports.

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 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 calendar quarters and the next two 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 calendar quarters and the next two 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 has identified certain rehabilitation projects that are intended to address conditions currently causing SSOs or contributing to 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 calendar quarters and the next two calendar quarters can be found in Tables A-3.1, A-3.2 and A-3.3 for the WWTPs, Tables A-4.1 and A-4.2 for the WCTLs and Table A-5.1 for the Sewer Pump Station Systems in Appendix A, Work Progress Tables.

3.3 Supplemental Environmental Project ("SEP") Plan

This project is being performed pursuant to Section VIII and Appendix E of the CD. The County has identified an area in the County which is zoned business, commercial, and industrial, from light to heavy manufacturing where there currently is no access to sewers, and where septic systems are inadequate or failing and many businesses pre-date the current septic system regulations. Disconnecting the industrial users from septic tanks and connecting them to the sewer system will improve water quality in the aquifer and nearby surface waters, and prevent future contamination. The County will install at least seven thousand six hundred sixty (7,660) linear feet of gravity sewer mains within an industrial area which currently has no access to sanitary sewers and relies on septic systems.

In the previous two calendar quarters, WASD received from a Design Consultant the final Basis of Design Report (BODR) for the overall SEP. WASD completed Phase 1A SEP engineering design of a small portion of the proposed gravity sewer main within the SEP as a demonstration project; the Phase 1A SEP was awarded to the qualified low-bidder, and a Notice-To-Proceed was issued by WASD for construction in December 2015.

In the next two calendar quarters, WASD will initiate engineering design for the overall SEP, and oversee construction of the Phase 1A SEP demonstration project. The SEP is currently on schedule to meet the CD compliance deadlines for design and construction completion.

4.0 Additional Information

According to Paragraph 33(d), this report shall include "any additional information Miami-Dade 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 (OOL)

In 2008, the Florida Legislature approved a law requiring all wastewater facilities in southeast Florida utilizing ocean outfalls for disposal of treated wastewater to reduce nutrient discharges by 2018, cease using the outfalls by 2025, and install a functioning reuse system by 2025.

The EPA, FDEP and the County acknowledge that the County's implementation of the Ocean Outfall Legislation may impact the scope of scheduling of certain capital improvement projects 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 CD as set forth in Section XX (Modification).

During the reporting period, no issues were identified that impacted the scope of scheduling of capital improvement projects.

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 Calendar Quarters	Anticipated Actions to Be Performed in the Next Two 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 ensures adequate transmission capacity for its Pump Stations and adequate treatment capacity for its WWTPs. Pursuant to Appendix A of the CD, certifications are performed by Department of Regulatory and Economic Resources-Division of Environmental Resources Management ("RER-DERM") and kept on file by WASD. The EPA can have access to these reports upon request.	<ol style="list-style-type: none"> 1. Monitored and tracking the monthly submittal of the Elapsed Time (ET) readings by each Volume Sewer Customer Utility. 2. Placed under Moratorium those pump stations that exceeded the maximum 10 hours pursuant to the Nominal Average Pump Operating Time (NAPOT). 3. Removed from Moratorium status those pump stations for which the utility completed and certified the Remedial Action Plans (RAP) to bring below the 10 hours pursuant to the Nominal Average Pump Operating Time (NAPOT). 4. Completed monthly reports for the Certification of Nominal Average Pump Operating Time (NAPOT) for each Volume Sewer Customer Utility. 5. Sent copies of the Certification of Nominal Average Pump Operating Time (NAPOT) to each Volume Sewer Customer Utility. 	<ol style="list-style-type: none"> 1. Continue Monitoring and Tracking of monthly ET submittals. 2. Automatic and/or Manual placement in moratorium those pump stations that fail to submit ET readings for one or all of the pumps within the station. 3. Automatic and/or Manual placement in moratorium those VSC utilities that fail to submit the ET readings on time. 4. Continue generating monthly reports NAPOT reports and copy each corresponding Utility.
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.	Work on the program has been ongoing.	Work on the program is ongoing and will continue beyond June 30, 2016.

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 Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
18(c)	Wastewater Collection and Transmission System Model	The WCTS model is being implemented in accordance with Paragraph 18(c) of the CD. The model assists in the development and implementation of CMOM programs to optimize transmission capacity and to evaluate the impact of I/I rehabilitation projects; proposed modifications, upgrades and expansions to the WCTS; and performance of the WCTS. The WCTS model can also be used to simulate the manifolded Force Mains and private Pump Stations which manifold into the County's Force Main system.	Completed hydraulic modeling analysis to provide evaluation of impact from proposed modifications, upgrades and expansions to the WCTS within each CD project deadline: 4.10, 5.11, 5.04, 5.05, 5.06 and 5.07. Continued efforts to develop Model and GIS integration procedures according to Paragraph 18(c)(iv). Completed the compilation of available information on wastewater private pump stations. Continued efforts to incorporate private PS flows into the Model according to Paragraph 18(c)(ii). Continued efforts towards the development of a Model Calibration Plan according to Paragraph 18(c)(iv). Completed update of hydraulic model pump station connectivity in addition to the sustained efforts to update of Gravity Sewer elevations for the entire system and major gravity sewer lines according to Paragraphs 18(c)(iii) and 18(c)(iv). Continued efforts to update hydraulic model with information available for CD Projects, Ocean Outfall Legislation Projects, Master Plan Projects, Pump Station Improvement Projects as well as New Development Projects in an effort to maintain the most up to date projection scenarios for years 2015, 2020, 2025 and 2035 in the Pump Model.	Submit final Model and GIS integration procedures according to Paragraph 18(c)(iv). Complete the inclusion of wastewater private pump station information into hydraulic model according to Paragraph 18(c)(i). Finalize the development of a Model Calibration Plan according to Paragraph 18(c)(iv). Maintain coordination with Ocean Outfall Legislation Projects for timely updating of projects into hydraulic model. Complete hydraulic analysis of CD Projects 5.17(1), 5.17(2), 5.17(3) and 5.17(4). Continue efforts to update CD WCTS Hydraulic Model. Coordinate efforts with CMOM team for collection of required data for calibration of hydraulic model according to Paragraph 18(c)(iv).
18(d)	Spare Parts Program	The Spare Parts Program is being implemented in accordance with Paragraph 18(d) of the CD. This program is a continuing inventory management program for spare parts for the WCTS and WWTPs.	Work on the program has been ongoing.	The existing program will be enhanced as the new CMOM Programs are implemented. Work on the program is ongoing and will continue beyond June 30, 2016.

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 Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
18(e)	Volume Sewer Customer Ordinance Program	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. The VSC Program and the VSC Ordinance were amended in accordance with Paragraph 18(e) of the CD.	The proposed ordinance was adopted on first reading and scheduled for public hearing before the Metropolitan Services (MS) Committee on Wednesday, August 26, 2015. The MS Committee forwarded the VSCO to BCC with a favorable recommendation. The VSCO was presented before the BCC for the second reading and adopted on September 1, 2015.	VSC's Sewer Atlas are due to RER-DERM on January 6, 2016. VSC's Plan of Compliance are due to RER-DERM on March 11, 2016.

Table A-2.1 New CMOM Programs

Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
19(a)	Fats, Oils and Grease Control Program	<p>The FOG Control Program is being implemented in accordance with Paragraph 19(a) of the CD. The Program allows the County to regulate industrial and commercial sources of oil and grease. In addition, this Program involves a review, evaluation and revision of the County's previous program. RER-DERM has organized the FOG Control Program into the following three projects;</p> <p>Project 1: FOG Characterization, Control Device Design, and Management, Operation and Maintenance Standards, Project 2: FOG Control Inspections, Enforcement, Compliance and Outreach, and Project 3: FOG Ordinance and Enforcement Management.</p>	<p>Program was pending EPA and FDEP approval.</p> <ol style="list-style-type: none"> 1. Modified Grease Discharge Operating Permits to include mandatory cleaning/pumping frequency (30 days for Hydromechanical and 90 for gravity FOG Control Devices). 2. Continued FOG Outreach Program, including workshop for Food Service Establishments: December 11, 2015 FOG Control Program Operating Permit Workshop. 	<p>Program is pending EPA and FDEP approval.</p> <ol style="list-style-type: none"> 1. Develop a new FOG Control Technician Training Program, including class and field time. 2. Hire four (4) new FOG Control Technicians and one (1) FOG Inspector. 3. Continue FOG Outreach Program, schedule meeting with Liquid Waste Transporters (LWTs): January 11, 2016 FOG Control Program Meeting (see attached). 4. Continue FOG Outreach Program, develop and distribute FOG Control Program "Did You Know" outreach flyer to be provided to (1) Certificate of Use/Municipal Occupational License applicants that generate FOG, (2) Liquid Waste Transporters and (3) post on web (see attached). 5. Submit Continuing Education Credits (CEC) Course titled "Fats, Oils & Grease Control Device Design, Operation & Maintenance" to Florida Board of Professional Engineers. 6. Schedule "Fats, Oils & Grease Control Device Design, Operation & Maintenance" training course for Design Professionals to improve the design and effectiveness of FOG Control Devices. Course provides 4 CECs for Professional Engineers. 7. Update FOG Control Device Design Guidance form FOG1.5 to FOG2.0. 8. Develop an electronic manifest (eManifest) system for FOG generators (e.g., FSEs), transporters (LWT) and disposal facilities. Development of the system is being coordinated with MDC-WASD and Broward County (Pompano disposal facility). 9. Continue FOG Outreach Program, schedule meeting with Liquid Waste Transporters (LWTs): May/June 2016 FOG eManifest System and NO FOG Commingling.

Table A-2.1 New CMOM Programs

Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
19(b)	Sewer Overflow Response Plan	<p>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.</p>	<p>The Program document was finalized and submitted to the EPA/FDEP on July 2, 2015 ahead of the CD compliance date July 6, 2015.</p>	<p>Program is pending EPA and FDEP approval. Work on the program will be ongoing and will continue beyond June 30, 2016.</p>

Table A-2.1 New CMOM Programs

Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
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.	The Program document was finalized and submitted to the EPA/FDEP on December 4, 2015 ahead of CD compliance date December 7, 2015.	Program is pending EPA and FDEP approval. Work on the program will be ongoing and will continue beyond June 30, 2016.
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.	Data entry process improvements implemented. GIS activities included: implementation of process changes to speed up the digitizing process. Completion of 579 Sewer projects: 201 miles of pipe modified or added; 8309 above ground assets modified or added. Started manhole rim elevation and gravity invert elevation data capture project.	GIS activities will include miles of pipe added, miles of pipe modified, above ground assets added and above ground assets modified in the next two calendar quarters. Streamlining the manual as-builts to GIS process. Continue collecting elevation of manhole rims and pipe inverts and their inclusion into GIS.

Table A-2.1 New CMOM Programs

Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two 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.	The Program document was finalized and submitted to the EPA/FDEP on the CD compliance date October 6, 2015.	Program is pending EPA and FDEP approval. Work on the program will be ongoing and will continue beyond June 30, 2016.
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.	Program was pending EPA and FDEP approval. Work on the program was ongoing.	Program is pending EPA and FDEP approval. Work on the program will be ongoing and will continue beyond June 30, 2016.
19(f)	Pump Station Operations and Preventative Maintenance Program	The Pump Station Operations and Preventative 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.	Program was pending EPA and FDEP approval. Work on the program was ongoing.	Program is pending EPA and FDEP approval. Work on the program will be ongoing and will continue beyond June 30, 2016.

Table A-2.1 New CMOM Programs

Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two 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.	The FMOPMAR Program document was finalized and submitted to the EPA/FDEP on the CD compliance date August 6, 2015. The FMRRP was finalized and submitted to the EPA/FDEP on December 4, 2015 ahead of the CD compliance date December 7, 2015.	Programs are pending EPA and FDEP approval. Work on the programs will be ongoing and will continue beyond June 30, 2016.
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.	The Program document was finalized and submitted to the EPA/FDEP on the CD compliance date May 6, 2015.	Program is pending EPA and FDEP approval. Work on the programs will be ongoing and will continue beyond June 30, 2016.

Table A-2.1 New CMOM Programs

Paragraph	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
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.	Program was pending EPA and FDEP approval. The County received EPA and FDEP comments on November 25, 2015. Work on the program was ongoing.	Response to comments will be submitted to EPA/FDEP. Program is pending EPA and FDEP approval. Work on the program will be ongoing and will continue beyond June 30, 2016.

Table A-3.1 South District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two 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.	Procurement and construction were ongoing.	Procurement will be completed and construction will continue.
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 replace and retrofit existing air compression units.	Design was ongoing.	Design will be completed. Permitting will commence. Pre-purchase activities will commence.
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 two child projects; (1) for the structural rehab of the trains and for the mixer upgrades, and (2) for the electrical building expansions.	Plant staff rehabilitated Train 1, ahead of schedule, because of deteriorating conditions. Construction was ongoing.	Construction will continue for Oxygenation Trains. Design will commence for the electrical building expansion.
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.	In validation/planning stage.	No activities milestone scheduled.

Table A-3.1 South District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
1.5	Effluent Pump Station	The SDWWTP Effluent Pump Station project will be performed pursuant to Paragraph 19(i) and Appendix D. This project involves an upgrade of the existing obsolete pump control systems, upgrade of the pumps drives and motors, and structural rehabilitation of pump station wet well, i.e. chambers 2 through 4. This project has been split into three separate child projects: the electrical equipment associated with pumps 7,8 and 9; structural rehabilitation of the effluent pump wetwells; and the building improvements and equipment for the remaining pumps respectively.	Structural rehab of wetwell #3 was completed in September 2015. Electrical equipment was installed and wetwell rehab continued. The required building improvements to the pump station were in the validation process.	Structural rehab of wetwell #4 will be completed. Design will commence for the building improvements.
1.6	Gravity Sludge Thickeners	The SDWWTP Gravity Sludge Thickeners project will be performed pursuant to Paragraph 19(i) and Appendix D. This project involves the replacement of the thickened sludge pumps, and electrical systems in the concentrator pump station. It also entails the rehabilitation of the concentrator collector mechanisms and structural rehabilitation and coating of the concentrators.	This project is being performed under design-build delivery method. Design continued.	Design will be completed. Permitting and procurement will commence.
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; 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 unstabilized sludge that will require landfill disposal.	Design continued.	Design will be completed. Pre-purchase activities will commence.
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 continued.	Design will be completed. Permitting and procurement will commence.

Table A-3.1 South District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
1.9	FOG Removal Facility	The SDWWTP FOG Removal Facility project is being performed pursuant to Paragraph 19(i) and Appendix D. The current FOG separation tank is not capable of adequately handling solids load, resulting in excess odors and unanticipated manual labor to remove large amounts of grit, settled soils and hardened grease. The purpose of this project is to improve separation operations to the recently constructed 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.	Design continued.	Design will be completed. Permitting and procurement will commence.
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.	In validation/planning stage.	No activities milestone scheduled.
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 controls and wiring as needed throughout the plant.	In validation/planning stage.	Design will commence.
1.12	Chlorine Contact Chamber Structural	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.	Procurement commenced.	Procurement will continue.

Table A-3.2 Central District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
2.1	Electrical Improvements	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.	Construction was ongoing. Note: The majority of this work will be done in conjunction with other CD projects.	Design will commence for miscellaneous electrical improvements. Substations 1 & 2 will be completed.
2.2	Building Improvements	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 two child projects. The first is for Administration building and roofing improvement. The second is for the remodeling work that was in the original Consent Decree scope.	Procurement continued for the remaining roof repairs. Design was ongoing for the remodeling of bathrooms, locker rooms and showers.	Construction will commence for the additional renovations to Administration Building. Permitting will start and be completed for the remodeling work. Procurement will start for the remodeling work.
2.3	Headworks Plant 1	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. This project involves the addition of influent screens and an electrical room with upgraded electrical instrumentation.	Design continued. Procurement commenced. Pre-purchase activities commenced.	Design will be completed. Permitting will commence. Procurement will continue.

Table A-3.2 Central District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
2.4	Headworks Plant 2	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. This project involves the addition of influent screens and an electrical room with upgraded electrical instrumentation.	Design continued. Pre-purchase activities commenced.	Design will be completed. Permitting will commence and be completed. Procurement will commence.
2.5	Oxygenation Trains Plant 1	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.	Construction was ongoing.	Structural rehabilitation work for Train 2 and Train 3 will be performed by WASD in-house forces during the dry seasons. Construction will continue.
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.	The installation of electrical equipment continued. Construction was ongoing.	The installation of electrical equipment will be completed. Structural rehabilitation will continue.
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.	In validation/planning stage.	No activities milestone scheduled.
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 and replace the sludge collection mechanisms in the plant.	Design commenced.	Design will continue.

Table A-3.2 Central District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
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.	In validation/planning stage.	No activities milestone scheduled.
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.	Design commenced.	Design will continue. Permitting will commence.
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 in the effluent pump station.	In validation/planning stage.	Design will commence.
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. It also involves the rehabilitation of concentrator collector mechanisms and structural rehabilitation and coating of concentrators.	Design continued.	Design will be completed. Permitting and procurement will commence.
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. It also involves the rehabilitation of concentrator collector mechanisms and structural rehabilitation and coating of concentrators.	This project is being performed under design-build delivery method. Design continued.	Design will be completed. Permitting and procurement will commence.
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 unstabilized sludge that will require landfill disposal.	In validation/planning stage.	Design will commence.

Table A-3.2 Central District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
2.15	Digesters Plant 2	The CDWWTP Digesters Plant 2 project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the complete rehabilitation of sludge digester clusters, i.e. roofs, concrete structures, recirculation and transfer pumps, mixers, and electrical pumps. This will prevent the loss of digestion capacity and the decline in biogas/methane production for power generation. In addition, it will decrease the amount of unstabilized sludge that will require landfill disposal.	Cluster 1: Permitting commenced. Cluster 4: Design continued.	Cluster 1: Permitting will be completed. Procurement will start. Cluster 3: Design will commence. Cluster 4: Design will be completed. Permitting 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 dewatering facility and sludge cake conveyance system to the sludge storage buildings.	Design continued.	Design will be completed. Permitting and procurement will commence.
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.	Permitting and procurement commenced.	Permitting will be completed. Procurement will be completed. Construction will commence.
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.	A portion of this project is being performed in coordination with the Headworks projects 2.3 and 2.4.	Design and procurement will continue. Permitting will commence.

Table A-3.2 Central District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
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 two separate “child” projects; one for the generator replacement and one for the biogas treatment facilities.	Construction was ongoing for the Co-Gen generator replacement. Design continued for the Co-Gen biogas treatment facilities improvements.	Construction will be completed for the Co-Gen generator replacement. Design will be completed for the Co-Gen biogas treatment facilities improvements.
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.	In lieu of constructing improvements to the CDWWTP Septage Unloading facilities, WASD discontinued the process of receiving septage at the CDWWTP and has shut down the Septage Unloading facilities. Septage has been diverted to the SDWWTP as of January 2013 ahead of the CD compliance date June 3, 2022.	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.	Design commenced.	Design will continue.

Table A-3.2 Central District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
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.	Design continued.	Design will be completed. Permitting will commence. Pre-purchase activities will commence.
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 ongoing.	Construction will be completed.
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.	Permitting commenced.	Permitting will be completed and procurement will commence.
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.	In validation/planning stage.	No activities milestone scheduled.
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.	Construction was ongoing.	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.	Design continued.	Design will continue.

Table A-3.2 Central District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
2.28	SCADA RTU Upgrades	The CDWWTP Building Improvements project was performed pursuant to Paragraph 19(i) and Appendix D. The old radio communication system was obsolete and it was difficult to procure parts. The purpose of the project was to upgrade the SCADA remote telemetry units to maintain operational sustainability.	This project is 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.	This study is completed as of June 4, 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 Calendar Quarters	Anticipated Actions to Be Performed in the Next Two 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 2 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 commenced.	Construction Phase 1 and Phase 2 will continue.
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. It also involves the rehabilitation of the mechanical and odor control systems at the plant.	Design continued.	Design 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.	In validation/planning stage.	No activities milestone scheduled.
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.	In validation/planning stage.	No activities milestone scheduled.
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.	Rehabilitation of mechanism Nos. 3, 6 and 8 was ongoing and performed by in-house plant staff. Design for remaining scope of work continued.	Design will continue for remaining scope of work. Rehabilitation of mechanism Nos. 3, 6 and 8 will be completed. Rehabilitation of mechanism Nos. 1,2,4,5,7,9 and 10 will continue.

Table A-3.3 North District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
3.6	Disinfection	The NDWWTP Disinfection project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the replacement of the chlorine gas storage, liquid chlorination and dosing system with bulk sodium hypochlorite storage and dosing system in the existing chlorine building.	Design continued.	Design will be completed. Permitting will commence.
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. This project has been split into three separate child projects: the Deep Injection Well (DIW) Pump Station Mechanical work, the Deep Injection Well (DIW) Electrical work, and the Ocean Outfall (OO) Pump Station.	Construction continued. The OO Pump Station rehabilitation was completed in March 2015. Procurement started for the DIW Pump Stations Mechanical. Construction continued for the DIW Pump Stations Electrical.	Procurement and construction will continue for the DIW Pump Station Mechanical and Electrical, respectively.
3.8	Plant Wide Electrical	The NDWWTP Plant Wide Electrical project is being performed pursuant to Paragraph 19(i) and Appendix D. This project involves the rehabilitation and replacement of electrical controls and wiring as needed at the NDWWTP.	Procurement continued for ND Plant Wide Electrical. Procurement commenced for Feeders 1 and 2.	Procurement will be completed for Feeders 1 and 2. Construction will commence.
3.9	Flood Mitigation	The NDWWTP Flood Mitigation project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to mitigate the flood potential in the Generator and Electrical Building at the NDWWTP.	Procurement and construction continued.	Procurement will be completed and construction will continue.
3.10	Yard Piping Replacement	The NDWWTP Yard Piping Replacement project is being performed pursuant to Paragraph 19(i) and Appendix D. The purpose of this project is to replace the wastewater piping that interconnects unit processes throughout the plant.	Construction was ongoing.	Construction will be completed.

Table A-3.3 North District WWTP Capital Improvement Projects

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
3.11	SCADA RTU Upgrades	The NDWWTP SCADA RTU Upgrades project is being performed pursuant to Paragraph 19(i) and Appendix D. The current radio communication system is obsolete and it is difficult to procure parts. The purpose of the project is to upgrade the SCADA remote telemetry units to maintain operational sustainability.	Project was completed on November 26, 2014 ahead of the CD compliance date March 24, 2015.	N/A

Table A-4.1 Wastewater Collection and Transmission Lines

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two 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 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 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. Phase 3 of this project involves the replacement of 54 inch FM from the land shaft at Fisher Island to CDWWTP at Virginia Key.	This project is being performed under design-build delivery method. Construction was ongoing.	Construction will be completed.
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.	Notice to proceed was issued in March 2015. This project is being performed under a design-build delivery method. Permitting and construction continued.	Permitting and construction will be completed. Final design will be completed.

Table A-4.1 Wastewater Collection and Transmission Lines

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
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. This project has been split into two (2) separate child projects; one which includes the 2.5 miles of 54" pipe rehabilitation and another for required bypasses.	Permitting commenced.	Permitting will be completed. Procurement will commence. Pre-purchase activities will commence.
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 October 29, 2016.	N/A
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 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.	Work on this project was ongoing.	Procurement will commence and be completed. Construction will commence.
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.	See Table A-4.2.	See Table A-4.2.

Table A-4.1 Wastewater Collection and Transmission Lines

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
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" 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.	Design continued.	Design will be completed. Permitting will commence and be completed. Procurement will commence.

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 Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
1	12	SW 112 Ave. & SW 104 St.	SW 112 Ave. & SW 112 St.	Design commenced.	Design will be completed. Permitting will commence.
2	8	NE 14 Ave. & 191 St.	NE 14 Ave. & Miami Gardens Dr.	Procurement commenced.	Procurement will be completed. Construction will commence.
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.	Permitting commenced.	Permitting will be completed. Procurement will commence and be completed. Construction will commence.
7	10	NW 52 Ct. & NW 190 St.	NW 52 Ave. & NW 189 Ter.	Permitting commenced.	Permitting will be completed. Procurement will commence and be completed. Construction will commence.
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

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 Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
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
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.	Procurement commenced.	Procurement will be completed. Construction will commence.
21	10	NW 42 Pl. & NW 199 Ter.	NW 39 Ct. & NW 199 St.	Procurement commenced.	Procurement will be completed. Construction will commence.
22	6	PS 358	PS 352	Procurement commenced.	Procurement will be completed. Construction will commence.
23	8	PS 1022	PS 1072	Design commenced.	Design will continue. Permitting will commence.
24	8	PS 353	NW 48 Ct. & NW 178 Ter.	Design continued.	Design will be completed. Permitting will commence and be completed. Procurement will commence.
25	10	NW 52 Ave. & NW 173 Dr.	NW 52 Ave. & NW 178 Ter.	Procurement commenced.	Procurement will be completed and construction will commence.
26	6	PS 354	NW 52 Ave. & NW 173 Dr.	Procurement commenced.	Procurement will be completed and construction will commence.

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 Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
27	4	Pvt. PS @ SW 149 Ter.	MH 14 @ PS 719	Design commenced.	Design will be completed. Permitting will commence and be completed. Procurement will commence.
28	8	PS 786	MH 5 @ PS 785	Design commenced.	Design will be completed. Permitting will commence.
29	12	PS 811	SW 107 Ave. & SW 76 St.	Permitting commenced.	Permitting will be completed. Procurement will commence.
30	12	PS 811	SW 102 Ave. & SW 81 St.	Permitting commenced.	Permitting will be completed. Procurement will commence.
31	10	PS 812	SW 102 Ave. & SW 84 St.	Permitting commenced.	Permitting will be completed. Procurement will commence.
32	12	SW 107 Ave. & SW 104 St.	SW 107 Ave. & Kendale Blvd.	Procurement commenced.	Procurement will be completed and construction will commence.
33	4	Pvt. PS @ 114 Ave. & SW 169 St.	MH 59 @ SW 103 Ave.	Design commenced.	Design will continue. Permitting will commence.
34	10	PS 709	Homestead Ave. & Kumquat St.	Design commenced.	Design will continue.
35	6	SW 110 Ave. & Banyan St.	SW 95 Ave. & SW Banyan St.	Design commenced.	Design will continue.
36	4	PS 721	US1 & Banyan St.	Design commenced.	Design will continue.
37	4	PS 749	PS 731	Design commenced.	Design will continue.
38	4	PS 747	US1 & East Indigo St.	Design commenced.	Design will continue.
39	10	SW 102 Ave. & SW 176 St.	Homestead Ave. & West Jessamine	Design commenced.	Design will continue.
40	8	PS 745	SW 102 Ave. & SW 175 St.	Design commenced.	Design will continue.
41	4	PS 731	SW Duval Ave. & West Indigo St.	Design commenced.	Design will continue.
42	10	SW 102 Ave. & West Jessamine	US1 & SW 184 St.	Design commenced.	Design will continue.

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 Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
43	12	Homestead Ave. & 180 St.	Railroad St. & SW 184 St.	Design commenced.	Design will continue.
44	8	PS 810	SW 118 Pl. & SW 72 St.	Design commenced.	Design will be completed and permitting will commence.
45	12	PS 793	SW 118 Pl. & SW 72 St.	Design commenced.	Design will be completed and permitting will commence.
46	6	PS 724	SW 106 Ave. & SW 155 St.	Design continued.	Design will continue. Permitting will commence.
47	8	PS 869	SW 122 Ave. & SW 88 St.	Procurement commenced.	Procurement will be completed and construction will commence.
48	10	PS 1017	SW 123 Pl. & SW 268 St.	Design commenced.	Design will continue.
49	10	PS 1029	SW 132 Ave. & 268 St.	Design commenced.	Design will continue.
50	8	SW 137 Ave. & SW 268 St.	SW 128 Ave. & 268 St.	Design commenced.	Design will continue.
51	10	PS 1028	SW 137 Ave. & 288 St.	Design commenced.	Design will continue.
52	10	PS 1027	SW 132 Ave. & 280 St.	Design commenced.	Design will continue.
53	8	PS 1018	MH 44A @ SW 132 Ave.	Design commenced.	Design will continue.
54	12	SW 137 Ave. & SW 72 St.	SW 142 Ave. & SW 72 St.	Design commenced.	Design will continue.
55	12	SW 142 Ave. & SW 72 St.	SW 147 Ave. & SW 72 St.	Design commenced.	Design will continue.
56	8	PS 864	SW 147 Ave. & SW 72 St.	Design commenced.	Design will continue.
57	8	SW 142 Ave. & Kendale Lakes Blvd.	SW 140 Ave. & Kendale Lakes Blvd.	Design commenced.	Design will continue.
58	10	SW 140 Ave. & Kendale Lakes Blvd.	SW 137 Ave. & Kendale Lakes Blvd.	Design commenced.	Design will continue.
59	12	SW 137 Ave. & Kendale Lakes Blvd.	SW 137 Ave. & SW 81 St.	Design commenced.	Design will continue.
60	8	PS 1013	PS 1012	This project was in the planning/validation phase.	Design will commence.
61	10	PS 1012	SW 144 Ave. & SW 280 St.	This project was in the planning/validation phase.	Design will commence.
62	8	PS 1011	SW 144 Ct. & SW 280 St.	This project was in the planning/validation phase.	Design will commence.

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 Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
63	10	SW 147 Ave. & SW 288 St.	SW 134 Pl. & SW 288 St.	Design commenced.	Design will continue.
64	6	PS 1009	SW 147 Ave. & SW 296 St.	This project was in the planning/validation phase.	Planning will continue.
65	6	PS 1006	PS 1005	This project was in the planning/validation phase.	Planning will continue.
66	8	PS 1002	SW 152 & SW 304 St.	This project was in the planning/validation phase.	Planning will continue.

Table A-5.1 Sewer Pump Station Systems

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two 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.	Procurement commenced.	Procurement will be completed and construction will commence.
5.2	Upgrade 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.	Design continued.	Design will continue. WASD will submit a change in the scope of work for approval. Please see Item 8 on Table 1-3 Issues Log (page 7).
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.	Design continued.	Design will continue.
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 equipment of the PS is beyond its useful life. This project involves the replacement of electrical switchgear in PS No. 0414.	Design continued.	Design will be completed. Permitting will commence.
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 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 replacement of electrical switchgear and the rehabilitation of the wet well to include an odor control unit.	Design continued.	Design will be completed. Permitting will commence.
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.	Design continued.	Design will be completed. Permitting will commence.

Table A-5.1 Sewer Pump Station Systems

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
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 replacement of electrical switchgear and the rehabilitation of the wet well of PS No. 0417 to include an odor control unit.	Design continued.	Design will be completed. Permitting will commence.
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.	Permitting commenced.	Permitting will be completed. Procurement will commence and be completed. Construction will commence.
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 equipment is beyond its useful life due to the saltwater environment. This project involves the replacement of pumping and electrical equipment of PS No. 0301 to include a generator.	Design continued.	Design will be completed. Permitting will commence and be completed. Procurement will commence.
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.	Procurement commenced.	Procurement will be completed and construction will commence.
5.11	Installation of 60 inch FM from Kendall Dr. to PS No. 0536	On August 12, 2015 WASD submitted a Request for Non-Material Change for Appendix D CIP 5.11. WASD proposed the cost effective alternative of adding a 48" connection to the suction side of PS 0536 that will provide similar benefits to those of the 60" FM for CD Appendix D CIP 5.11. WASD received EPA and FDEP approval on October 28, 2015.	Design continued.	Design will be completed. Permitting will commence.

Table A-5.1 Sewer Pump Station Systems

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
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 equipment is beyond of the PS is beyond its useful life and parts are not readily available. This project involves the replacement of the Anvic Drive with a VFD.	Permitting commenced. Pre-purchase activities commenced.	Permitting will be completed. Procurement will commence.
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 ongoing.	Construction will be completed.
5.14	Upgrade of PSs Nos. 0086 and 0492	The Upgrade of Pump Stations 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, Pump Station 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 Pump Station No. 0492 were upgraded. It was also rehabilitated to a new submersible type pump station.	PS No. 0086 was completed on July 15, 2013 and PS No. 0492 on April 25, 2013. Both were completed ahead of the CD compliance date December 31, 2013.	N/A

Table A-5.1 Sewer Pump Station Systems

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two 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. The 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 the existing dry well, an electrical upgrade and flow isolation and I/I repairs if necessary. The PSs No. 0437 and 0466 are being upgraded to include new submersible pumps, installation of a new valve box, an electrical upgrade. The PS No. 0680 is being upgraded to include new submersible pumps, new valves above ground and an electrical upgrade.	Procurement commenced.	Procurement will be completed and construction will commence.

Table A-5.1 Sewer Pump Station Systems

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
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.	Design commenced.	Design will continue.

Table A-5.1 Sewer Pump Station Systems

Project Number	Project Name	Project Description	Actions Completed During Previous Two Calendar Quarters	Anticipated Actions to Be Performed in the Next Two Calendar Quarters
5.18	Upgrade of PSs Nos. 0441, 0491, 0710, 0827, 0852, 1236	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.	In validation/planning stage.	No activities milestone scheduled.
5.19	SCADA RTU Upgrades	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.	Construction was completed on November 23, 2015 ahead of the CD compliance date March 18, 2016.	N/A

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Appendix B Project Schedules Gantt Chart

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Activity Name	Start	Finish	2015						2016					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun

WASD Consent Decree Schedule - December 2015			15												
0. General Compliance Activities			06-Jun-14 A	29-Dec-23											
Reporting Requirements			31-Dec-15	02-May-16											
Quarterly Reports			31-Dec-15	02-May-16											
2015 Quarterly Report No 4			31-Dec-15*	01-Feb-16							█	2015 Quarterly Report No 4			
2016 Quarterly Report No 1			31-Mar-16*	02-May-16									█	2016 Quarterly Report No 1	
Semi Annual Reports			31-Dec-15	01-Feb-16											
2015 Semi Annual Report No 2			31-Dec-15	01-Feb-16							█	2015 Semi Annual Report No 2			
Annual Report			31-Dec-15	01-Mar-16											
2015 Annual Report			31-Dec-15	01-Mar-16*							█	2015 Annual Report			
Program Management/Construction Management			06-Jun-14 A	29-Dec-23							█				
1. South District WWTP			19-Nov-13 A	17-Mar-22											
1.01 Headworks			02-Feb-15 A	24-Jan-18											
Procurement - SD Headworks			02-Feb-15 A	28-Apr-16							█	Procurement - SD Headworks			
WASD Project Administration - SD Headworks			02-Feb-15 A	24-Jan-18							█				
Construction - SD Headworks			24-Mar-15 A	24-Jan-18							█				
1.02 Oxygen Production			09-Apr-15 A	05-Nov-19											
Engineering Design - SD Oxygen Production			09-Apr-15 A	07-Feb-16							█	Engineering Design - SD Oxygen Production			
WASD Project Administration - SD Oxygen Production			09-Apr-15 A	05-Nov-19							█				
100% Design Review/Permit Ready Submittal - SD Oxygen			08-Dec-15 A	07-Feb-16							█	100% Design Review/Permit Ready Submittal - SD Oxygen			
Pre-Purchase Air Compressors - SD Oxygen Production			22-Jan-16	13-Jun-17							█				
Pre-Purchase RTU - SD Oxygen Production			22-Jan-16	14-Dec-16							█				
Pre-Purchase Bid Package (RTU) - SD Oxygen Production			22-Jan-16*	12-Mar-16							█	Pre-Purchase Bid Package (RTU) - SD Oxygen Production			
Pre-Purchase Bid Package (Air Compressors) - SD Oxygen			22-Jan-16*	12-Mar-16							█	Pre-Purchase Bid Package (Air Compressors) - SD Oxygen			
Permitting - SD Oxygen Production			08-Feb-16	05-Aug-16							█	Permitting - SD Oxygen Production			
Advertise Pre-Purchase Package (RTU) - SD Oxygen Production			13-Mar-16								◆	Advertise Pre-Purchase Package (RTU) - SD Oxygen Production			
Vendor Bid & Award (RTU) - SD Oxygen Production			13-Mar-16	13-Jun-16							█	Vendor Bid & Award (RTU) - SD Oxygen Production			
Advertise Pre-Purchase Package (Air Compressors) - SD Oxygen			13-Mar-16								◆	Advertise Pre-Purchase Package (Air Compressors) - SD Oxygen			
Vendor Bid & Award (Air Compressors) - SD Oxygen Production			13-Mar-16	13-Jun-16							█	Vendor Bid & Award (Air Compressors) - SD Oxygen Production			
Vendor NTP (RTU) - SD Oxygen Production				13-Jun-16							◆	Vendor NTP (RTU) - SD Oxygen Production			
Vendor NTP (Air Compressors) - SD Oxygen Production				13-Jun-16							◆	Vendor NTP (Air Compressors) - SD Oxygen Production			
Fabricate & Deliver RTU - SD Oxygen Production			14-Jun-16	14-Dec-16							█	Fabricate & Deliver RTU - SD Oxygen Production			
Fabricate & Deliver Air Compressors - SD Oxygen Production			14-Jun-16	13-Jun-17							█	Fabricate & Deliver Air Compressors - SD Oxygen Production			
1.03 Oxygenation Trains			02-Feb-15 A	17-Mar-22											
1.03 (1) - Oxygenation Trains Structural Rehab & Mixer Installation			02-Feb-15 A	17-Mar-22											
Construction Train 1 - SD Oxygenation Trains Struct. Rehab			02-Feb-15 A	08-Jan-16							█	Construction Train 1 - SD Oxygenation Trains Structural Rehab			
Construction - SD Oxygenation Trains Struct. Rehab			02-Feb-15 A	17-Mar-22							█				
WASD Project Administration - SD Oxygenation Trains Structural			02-Feb-15 A	17-Mar-22							█				
1.03 (2) - Oxygenation Trains - Electrical Building Expansion			01-Jun-16	28-Oct-16											

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MIAMI-DADE WATER & SEWER DEPARTMENT

CONSENT DECREE PROGRAM SCHEDULE

SIX MONTH SCHEDULE

Date	Revision	Checked	Approved
14-Jul-14	Revision 0		
22-Aug-14	July 2014 Update		
13-Jan-15	December 2014 Update		
15-Jan-16	December 2015 Update		

Activity Name	Start	Finish	2016													
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun		
Pre-Design - SD Oxygenation Trains Electrical Building E	01-Jun-16*	28-Oct-16														
1.05 Effluent Pump Station	19-Nov-13 A	20-Jan-21														
Engineering Design - SD Effluent Pump Station	19-Nov-13 A	09-Aug-17														
Permitting - SD Effluent Pump Station	19-Nov-13 A	05-Feb-18														
Procurement - SD Effluent Pump Station	18-Feb-14 A	02-Nov-18														
Construction - SD Effluent Pump Station	20-May-14 A	22-Oct-20														
1.05 (1) Effluent Pump Station Electrical Equipment (Pu	19-Nov-13 A	14-Mar-18														
WASD Project Administration - SD Effluent PS Elect. Ec	19-Nov-13 A	14-Mar-18														
1b - Construction - Structural Rehab Wetwells - SD Efflu	16-Feb-15 A	14-Mar-18														
1a - Install Electrical Equipment - SD Effluent PS Electri	23-Feb-15 A	30-Jan-16														
1b - Structural Rehab Wetwell #4 - SD Effluent PS Wetw	31-Jan-16*	29-May-16														
1.05 (2) Effluent Pump Station Building Improvements i	19-Jan-16	20-Jan-21														
Pre-Design - SD Effluent PS Building Improvements & P	19-Jan-16*	16-Jun-16														
Engineering Design - SD Effluent PS Building Improvem	17-Jun-16	09-Aug-17														
Basis of Design Report (BODR) - SD Effluent Pump Stat	17-Jun-16	15-Aug-16														
WASD Project Administration - SD Effluent PS Building i	17-Jun-16	20-Jan-21														
1.06 Gravity Sludge Thickeners	03-Jul-14 A	28-Mar-20														
Engineering Design - SD Gravity Sludge Thickeners	03-Jul-14 A	29-Feb-16														
WASD Project Administration - SD Gravity Sludge Thicken	03-Jul-14 A	28-Mar-20														
Pilot Testing of Thickening Process - SD Gravity Sludge Th	21-Aug-15 A	07-Apr-16														
Design Criteria Package Initial Submittal - SD Gravity Sludg	03-Dec-15 A	08-Feb-16														
DCP Design Review - SD Gravity Sludge Thickeners	09-Feb-16	19-Feb-16														
Final DCP Submittal - SD Gravity Sludge Thickeners	20-Feb-16	29-Feb-16														
Permitting - SD Gravity Sludge Thickeners	01-Mar-16	29-Jan-18														
Procurement - SD Gravity Sludge Thickeners - SD Gravity :	01-Mar-16	25-Nov-16														
Design-Builder RFQ (Tier 1) Procurement - SD Gravity Slud	01-Mar-16	28-Jun-16														
Environmental Permits - SD Gravity Sludge Thickeners	01-Mar-16	28-Feb-17														
DCP Sent to Procurement - SD Gravity Sludge Thickeners	01-Mar-16															
Submit/Approve SBD Goals and Request to Advertise - SD	01-Mar-16	29-Apr-16														
Advertise RDBS - SD Gravity Sludge Thickeners	30-Apr-16															
Request for Qualifications - SD Gravity Sludge Thickeners	30-Apr-16	29-May-16														
Qualifications Package Due - SD Gravity Sludge Thickeners	30-May-16															
Qualification Review Period - SD Gravity Sludge Thickeners	30-May-16	28-Jun-16														
Shortlist Published - SD Gravity Sludge Thickeners		28-Jun-16														
Design-Builder RFP (Tier 2) Procurement- SD Gravity Sludg	29-Jun-16	25-Nov-16														
Request for Proposals - SD Gravity Sludge Thickeners	29-Jun-16	27-Aug-16														
1.07 Digesters and Control Building	03-Jul-14 A	26-Jan-22														
Engineering Design - SD Digesters & Control Building	03-Jul-14 A	15-Jul-16														
WASD Project Administration - SD Digesters & Control Bui	03-Jul-14 A	26-Jan-22														



MIAMI-DADE WATER & SEWER DEPARTMENT CONSENT DECREE PROGRAM SCHEDULE SIX MONTH SCHEDULE

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Activity Name	Start	Finish	2016													
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun		
60% Design Submittal - SD Digesters & Control Building	21-Nov-15 A	09-Mar-16								█		█				60% Design Submittal - SD Dig
60% Design Review -SD Digesters & Control Building	10-Mar-16	30-Mar-16														60% Design Review -SD
Pre-Purchase RTU - SD Digesters & Control Building	10-Mar-16	26-Aug-18														
Pre-Purchase Bid Package (RTU) - SD Digesters & Control	10-Mar-16	08-May-16														Pre-Purchase
100% Design Submittal - SD Digesters & Control Building	31-Mar-16	18-Jun-16														100% Design Submittal - SD Digesters & Control Building
Advertise Pre-Purchase Package (RTU) - SD Digesters & C	09-May-16															◆ Advertise Pre
Vendor Bid & Award (RTU) - SD Digesters & Control Building	09-May-16	07-Jul-16														Vendor Bid & Award (RTU) - SD Digesters & Control Building
100% Design Review/Permit Ready Submittal - SD Digeste	19-Jun-16	15-Jul-16														100% Design Review/Permit Ready Submittal - SD Digeste
1.08 Dewatering Facility	13-Apr-15 A	26-Feb-20														
Engineering Design (DCP) - SD Dewatering Facilities	13-Apr-15 A	07-Mar-16														Engineering Design (DCP) - SD
WASD Project Administration - SD Dewatering Facilities	13-Apr-15 A	26-Feb-20														
Pilot Testing of Thickening Process - SD Dewatering Facilit	21-Aug-15 A	07-Mar-16														Pilot Testing of Thickening Proc
Design Criteria Package Initial Submittal - SD Dewatering F	03-Dec-15 A	08-Feb-16														Design Criteria Package Initial Submitta
DCP Design Review - SD Dewatering Facilities	09-Feb-16	19-Feb-16														DCP Design Review - SD Dewatering
Final DCP Submittal - SD Dewatering Facilities	20-Feb-16	29-Feb-16														Final DCP Submittal - SD Dewater
Permitting - SD Dewatering Facilities	01-Mar-16	29-Jan-18														
Procurement - SD Dewatering Facilities	01-Mar-16	25-Nov-16														
Design-Builder RFQ (Tier 1) Procurement - SD Dewatering I	01-Mar-16	28-Jun-16														
Environmental Permits - SD Dewatering Facilities	01-Mar-16	28-Feb-17														
DCP Sent to Procurement - SD Dewatering Facilities	01-Mar-16															◆ DCP Sent to Procurement - SD D
Submit/Approve SBD Goals and Request to Advertise - SD	01-Mar-16	29-Apr-16														Submit/Approve
Advertise RDBS - SD Dewatering Facilities	30-Apr-16															◆ Advertise RDBS
Request for Qualifications - SD Dewatering Facilities	30-Apr-16	29-May-16														Reques
Qualifications Package Due - SD Dewatering Facilities	30-May-16															◆ Qualific
Qualification Review Period - SD Dewatering Facilities	30-May-16	28-Jun-16														
Shortlist Published - SD Dewatering Facilities		28-Jun-16														◆
Design-Builder RFP (Tier 2) Procurement- SD Dewatering F	29-Jun-16	25-Nov-16														
Request for Proposals - SD Dewatering Facilities	29-Jun-16	27-Aug-16														
1.09 FOG Removal Facility	08-Jul-14 A	06-Mar-18														
WASD Project Administration - SD FOG Removal Facility	08-Jul-14 A	06-Mar-18														
100% Design Review/Permit Ready Submittal - SD FOG R	24-Dec-15 A	21-Jan-16														100% Design Review/Permit Ready Submittal
Permitting - SD FOG Removal Facility	22-Jan-16	20-Apr-16														Permitting - SD FO
Procurement - SD FOG Removal Facility	21-Apr-16	17-Oct-16														
Design Documents Sent to Procurement - SD FOG Remov	21-Apr-16															◆ Design Documents
Submit/Approve SBD Goals and Request to Advertise - SD	21-Apr-16	19-Jun-16														S
Advertise Bid Package - SD FOG Removal Facility	20-Jun-16															◆ A
Bid Solicitation Period - SD FOG Removal Facility	20-Jun-16	03-Aug-16														
1.11 General Electrical	31-Dec-15	10-Nov-20														
Pre-Design - SD General Electric	31-Dec-15*	28-May-16														Pre-Des

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MIAMI-DADE WATER & SEWER DEPARTMENT

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Activity Name	Start	Finish	2015						2016					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
WASD Project Administration - SD General Electric	31-Dec-15	10-Nov-20												
Engineering Design - SD General Electrical	29-May-16	21-Jul-17												
1.12 Chlorine Contact Chamber Structural Rehab	01-Oct-15 A	04-Feb-19												
WASD Project Administration - SD Chlorine Contact Chamf	01-Oct-15 A	04-Feb-19												
Procurement - SD Chlorine Contact Chamber Struct. Rehab	01-Dec-15 A	26-Aug-16												
2. Central District WWTP	01-Mar-11 A	28-Dec-23												
2.01 Miscellaneous Electrical Improvements	14-Oct-15 A	03-Feb-20												
Construction - (Substations 1 & 2) - CD Misc. Elect.Improv	14-Oct-15 A	30-Jun-16												
Construction - CD Misc. Elect.Improvements	14-Oct-15 A	03-Feb-20												
Pre-Design - CD Misc. Elect.Improvements	06-Feb-16*	04-Jul-16												
2.02 Building Improvements	26-Mar-14 A	11-Oct-17												
Engineering Design - CD Repairs to Various Buildings	26-Mar-14 A	20-Jan-16												
Procurement - CD Repairs to Various Buildings	03-Jun-14 A	15-Nov-16												
Permitting - CD Repairs to Various Buildings	13-Oct-14 A	19-May-16												
Construction - CD Repairs to Various Buildings	16-Oct-14 A	13-Jul-17												
2.02 (1) CD Administration Building & Misc. Roof Impro	26-Mar-14 A	10-Sep-17												
WASD Project Administration - CD Administration Building	26-Mar-14 A	10-Sep-17												
Construction (Summary) - CD Administration Building & M	16-Oct-14 A	12-Jun-17												
1c - Procurement - CD Misc. Roof Repairs	31-Jan-15 A	29-Jan-16												
1b - Bid & Award Building Remodel - CD Administration E	02-Nov-15 A	03-May-16												
1b - Submit/Approve SBD Goals and Request to Advertis	02-Nov-15 A	04-Jan-16												
1b - Advertise Bid Package - CD Administration Building	05-Jan-16													
1b - Bid Solicitation Period - CD Administration Building	05-Jan-16	03-Feb-16												
1c - Maintenance Building Roof Repairs - CD Misc. Roof	30-Jan-16*	29-Mar-16												
1b - Bids Due - CD Administration Building	04-Feb-16													
1b - Bid Review Period - CD Administration Building	04-Feb-16	04-Mar-16												
1b - Award Recommendation - CD Administration Building		04-Mar-16												
1b - Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Adn	05-Mar-16	03-May-16												
1c - Operation & Control Building Roof Repairs - CD Misc	30-Mar-16	28-May-16												
1b - Building Remodeling - CD Administration Building	04-May-16	12-Jun-17												
1b - Contractor Notice to Proceed (NTP) - CD Administra	04-May-16													
2.02 (2) Remodel Bathrooms, Locker Rooms & Showers	13-Jun-15 A	11-Oct-17												
Engineering Design (Summary) - CD Misc. Building Impr	13-Jun-15 A	20-Jan-16												
WASD Project Administration - CD Misc. Building Improv	14-Jun-15 A	11-Oct-17												
Permitting - CD Misc. Building Improvements	21-Jan-16*	19-May-16												
Procurement - CD Misc. Building Improvements	20-May-16	15-Nov-16												
Design Documents Sent to Procurement - CD Misc. Buil	20-May-16													
Submit/Approve SBD Goals and Request to Advertise - (20-May-16	18-Jul-16												
2.03 Headworks/Grit Basin Plant 1	06-Oct-14 A	20-Jan-18												



MIAMI-DADE WATER & SEWER DEPARTMENT CONSENT DECREE PROGRAM SCHEDULE SIX MONTH SCHEDULE

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Activity Name	Start	Finish	2016											
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Engineering Design - CD Headworks/Grit Basin Plant 1	06-Oct-14 A	28-Jan-16	[Gantt bar from Oct 2014 to Jan 2016]											
WASD Project Administration - CD Headworks/Grit Basin F	06-Oct-14 A	20-Jan-18	[Gantt bar from Oct 2014 to Jan 2018]											
Owner Pre-purchase Screening Equipment - CD Headworks	21-Aug-15 A	15-Dec-16	[Gantt bar from Aug 2015 to Dec 2016]											
Vendor Bid & Award (Screening Equipment) - CD Headwork	30-Oct-15 A	19-Feb-16	[Gantt bar from Oct 2015 to Feb 2016]											
Owner Pre-purchase RTU's - CD Headworks/Grit Basin Pla	31-Oct-15 A	24-Nov-16	[Gantt bar from Oct 2015 to Nov 2016]											
Pre-Purchase Bid Package (RTUs) - CD Headworks/Grit B	31-Oct-15 A	29-Jan-16	[Gantt bar from Oct 2015 to Jan 2016]											
Procurement - CD Headworks/Grit Basin Plant 1	18-Dec-15 A	19-Jul-16	[Gantt bar from Dec 2015 to Jul 2016]											
Install Manhole and Clean out of 84" Pipe - CD Headworks/	18-Dec-15 A	19-Apr-16	[Gantt bar from Dec 2015 to Apr 2016]											
100% Design Review/Permit Ready Submittal - CD Headw	19-Dec-15 A	28-Jan-16	[Gantt bar from Dec 2015 to Jan 2016]											
Permitting - CD Headworks/Grit Basin Plant 1	29-Jan-16	12-May-16	[Gantt bar from Jan 2016 to May 2016]											
Advertise Pre-Purchase Package (RTUs) -CD Headworks/C	30-Jan-16		[Gantt bar from Jan 2016 to Feb 2016]											
Vendor Bid & Award (RTUs) - CD Headworks/Grit Basin Pla	30-Jan-16	29-Mar-16	[Gantt bar from Jan 2016 to Mar 2016]											
Vendor NTP (Screening Equipment) - CD Headworks/Grit B		19-Feb-16	[Gantt bar from Feb 2016 to Mar 2016]											
Fabricate & Deliver Screening Equipment - CD Headworks/	20-Feb-16	15-Dec-16	[Gantt bar from Feb 2016 to Dec 2016]											
Design Documents Sent to Procurement - CD Headworks/C	29-Mar-16		[Gantt bar from Mar 2016 to Apr 2016]											
Submit/Approve SBD Goals and Request to Advertise - CD	29-Mar-16	27-Apr-16	[Gantt bar from Mar 2016 to Apr 2016]											
Vendor NTP (RTUs) - CD Headworks/Grit Basin Plant 1		29-Mar-16	[Gantt bar from Mar 2016 to Apr 2016]											
Fabricate & Deliver RTUs - CD Headworks/Grit Basin Plant 1	30-Mar-16	24-Nov-16	[Gantt bar from Mar 2016 to Nov 2016]											
Advertise Bid Package - CD Headworks/Grit Basin Plant 1	28-Apr-16		[Gantt bar from Apr 2016 to May 2016]											
Bid Solicitation Period - CD Headworks/Grit Basin Plant 1	28-Apr-16	27-May-16	[Gantt bar from Apr 2016 to May 2016]											
Bids Due - CD Headworks/Grit Basin Plant 1	28-May-16		[Gantt bar from May 2016 to Jun 2016]											
Bid Review Period - CD Headworks/Grit Basin Plant 1	28-May-16	19-Jun-16	[Gantt bar from May 2016 to Jun 2016]											
Award Recommendation - CD Headworks/Grit Basin Plant 1		19-Jun-16	[Gantt bar from Jun 2016 to Jul 2016]											
Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Headworks	20-Jun-16	19-Jul-16	[Gantt bar from Jun 2016 to Jul 2016]											
2.04 Headworks/Grit Basin Plant 2	06-Oct-14 A	20-Aug-18												
Engineering Design - CD Headworks/Grit Basin Plant 2	06-Oct-14 A	28-Jan-16	[Gantt bar from Oct 2014 to Jan 2016]											
WASD Project Administration - CD Headworks/Grit Basin F	06-Oct-14 A	20-Aug-18	[Gantt bar from Oct 2014 to Aug 2018]											
Owner Pre-purchase Screening Equipment - CD Headworks	17-Jun-15 A	15-Dec-16	[Gantt bar from Jun 2015 to Dec 2016]											
Vendor Bid & Award (Screening Equipment) - CD Headwork	30-Oct-15 A	19-Feb-16	[Gantt bar from Oct 2015 to Feb 2016]											
Owner Pre-purchase RTU's - CD Headworks/Grit Basin Pla	31-Oct-15 A	24-Nov-16	[Gantt bar from Oct 2015 to Nov 2016]											
Pre-Purchase Bid Package (RTUs) - CD Headworks/Grit B	31-Oct-15 A	29-Jan-16	[Gantt bar from Oct 2015 to Jan 2016]											
Installation of Manhole and Clean out of 84" Pipe - CD Hea	08-Dec-15 A	19-Apr-16	[Gantt bar from Dec 2015 to Apr 2016]											
100% Design Review/Permit Ready Submittal - CD Headw	18-Dec-15 A	28-Jan-16	[Gantt bar from Dec 2015 to Jan 2016]											
Permitting - CD Headworks/Grit Basin Plant 2	29-Jan-16	27-Apr-16	[Gantt bar from Jan 2016 to Apr 2016]											
Procurement - CD Headworks/Grit Basin Plant 2	29-Jan-16	19-Jul-16	[Gantt bar from Jan 2016 to Jul 2016]											
Advertise Pre-Purchase Package (RTUs) -CD Headworks/C	30-Jan-16		[Gantt bar from Jan 2016 to Feb 2016]											
Vendor Bid & Award (RTUs) - CD Headworks/Grit Basin Pla	30-Jan-16	29-Mar-16	[Gantt bar from Jan 2016 to Mar 2016]											
Vendor NTP (Screening Equipment) - CD Headworks/Grit B		19-Feb-16	[Gantt bar from Feb 2016 to Mar 2016]											
Fabricate & Deliver Screening Equipment - CD Headworks/	20-Feb-16	15-Dec-16	[Gantt bar from Feb 2016 to Dec 2016]											



MIAMI-DADE WATER & SEWER DEPARTMENT CONSENT DECREE PROGRAM SCHEDULE SIX MONTH SCHEDULE

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15-Jan-16	December 2015 Update		

Activity Name	Start	Finish	2015						2016					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Design Documents Sent to Procurement - CD Headworks/C	29-Mar-16													◆ Design Documents Sent to
Submit/Approve SBD Goals and Request to Advertise - CD	29-Mar-16	27-Apr-16												Submit/Approve
Vendor NTP (RTUs) - CD Headworks/Grit Basin Plant 2		29-Mar-16												◆ Vendor NTP (RTUs) - CD
Fabricate & Deliver RTUs - CD Headworks/Grit Basin Plant 2	30-Mar-16	24-Nov-16												
Advertise Bid Package - CD Headworks/Grit Basin Plant 2	28-Apr-16													◆ Advertise Bid Pa
Bid Solicitation Period - CD Headworks/Grit Basin Plant 2	28-Apr-16	27-May-16												Submit/Approve
Bids Due - CD Headworks/Grit Basin Plant 2	28-May-16													◆ Bids Du
Bid Review Period - CD Headworks/Grit Basin Plant 2	28-May-16	19-Jun-16												Submit/Approve
Award Recommendation - CD Headworks/Grit Basin Plant 2		19-Jun-16												◆ A
Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Headworks	20-Jun-16	19-Jul-16												
2.05 Oxygenation Trains Plant 1	01-Mar-11 A	14-Apr-18												
WASD Project Administration - CD Oxygenation Trains Plar	01-Mar-11 A	14-Apr-18												
Construction - CD Oxygenation Trains Plant 1	02-Dec-13 A	14-Apr-18												
2.06 Oxygenation Trains Plant 2	01-Mar-11 A	13-Apr-22												
WASD Project Administration - CD Oxygenation Trains Plar	01-Mar-11 A	13-Apr-22												
Construction - CD Oxygenation Trains Plant 2	06-Jan-14 A	13-Apr-22												
Install Mixer Electrical Equip. & Expand Structure - CD Oxy	02-Feb-15 A	29-Apr-16												Install Mixer Elec
2.08 Secondary Clarifiers Plant 2	15-Jul-15 A	01-Jun-23												
Pre-Design -CD Secondary Clarifiers Plant 2	15-Jul-15 A	29-Jan-16												Pre-Design -CD Secondary Clarifiers Plant
Engineering Design - CD Secondary Clarifiers Plant 2	30-Jan-16	02-Mar-17												
Basis of Design Report (BODR) - CD Secondary Clarifiers F	30-Jan-16	29-Mar-16												Basis of Design Report (E
WASD Project Administration - CD Secondary Clarifiers Ple	30-Jan-16	01-Jun-23												
BODR Review Period - CD Secondary Clarifiers Plant 2	30-Mar-16	12-Apr-16												BODR Review Period
30% Design Submittal - CD Secondary Clarifiers Plant 2	13-Apr-16	11-Jul-16												
2.10 Return Sludge PS Plant 2	15-Jul-15 A	15-May-23												
Pre-Design - CD Return Sludge PS Plant 2	15-Jul-15 A	12-Jan-16												Pre-Design - CD Return Sludge PS Plant 2
Engineering Design - CD Return Sludge PS Plant 2	13-Jan-16	13-Feb-17												
Basis of Design Report (BODR) - CD Return Sludge PS Ple	13-Jan-16	12-Mar-16												Basis of Design Report (BODR
WASD Project Administration - CD Return Sludge PS Plant 2	13-Jan-16	15-May-23												
RAS Header pipe Design Validation - CD Return Sludge PS	13-Jan-16	29-Jan-16												RAS Header pipe Design Validation - CD R
RAS Header pipe 100% Design Submission - CD Return SI	30-Jan-16	29-Feb-16												RAS Header pipe 100% Design St
Permitting (RAS Header pipe) - CD Return Sludge PS Plant	01-Mar-16	15-Jul-16												
Permitting - CD Return Sludge PS Plant 2	01-Mar-16	12-Aug-17												
30% Design Submittal - CD Return Sludge PS Plant 2	13-Mar-16	10-Jun-16												30%
30% Design Review - CD Return Sludge PS Plant 2	11-Jun-16	24-Jun-16												
60% Design Submittal - CD Return Sludge PS Plant 2	25-Jun-16	05-Oct-16												
2.11 Effluent Pump Station	05-Jan-16	01-Oct-19												
Pre-Design - CD Effluent Pump Station	05-Jan-16*	03-May-16												Pre-Design - C
Engineering Design - CD Effluent Pump Station	04-May-16	20-May-17												



MIAMI-DADE WATER & SEWER DEPARTMENT CONSENT DECREE PROGRAM SCHEDULE SIX MONTH SCHEDULE

Date	Revision	Che...	Approved
14-Jul-14	Revision 0		
22-Aug-14	July 2014 Update		
13-Jan-15	December 2014 Update		
15-Jan-16	December 2015 Update		

Activity Name	Start	Finish	2015						2016							
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun		
Basis of Design Report (BODR) - CD Effluent Pump Station	04-May-16	22-Jun-16														
WASD Project Administration - CD Effluent Pump Station	04-May-16	01-Oct-19														
BODR Review Period - CD Effluent Pump Station	23-Jun-16	06-Jul-16														
2.12 Gravity Sludge Thickeners Plant 1	30-Apr-15 A	08-Apr-20														
Engineering Design - CD Gravity Sludge Thickeners Plant 1	30-Apr-15 A	15-Feb-16														
WASD Project Administration - CD Gravity Sludge Thickeners Plant 1	01-May-15 A	08-Apr-20														
BODR Design Review - CD Gravity Sludge Thickeners Plant 1	23-Dec-15 A	14-Jan-16														
Pilot Testing of Thickening Process - CD Gravity Sludge Thickeners Plant 1	06-Jan-16*	04-Aug-16														
Design Criteria Package Initial Submittal - CD Gravity Sludge Thickeners Plant 1	15-Jan-16	25-Jan-16														
DCP Design Review - CD Gravity Sludge Thickeners Plant 1	26-Jan-16	03-Feb-16														
Final DCP Submittal - CD Gravity Sludge Thickeners Plant 1	04-Feb-16	15-Feb-16														
Permitting - CD Gravity Sludge Thickeners Plant 1	16-Feb-16	07-Apr-18														
Procurement - CD Gravity Sludge Thickeners Plant 1	16-Feb-16	02-Mar-17														
Design-Builder RFQ (Tier 1) - CD Gravity Sludge Thickeners Plant 1	16-Feb-16	15-May-16														
Environmental Permits - CD Gravity Sludge Thickeners Plant 1	16-Feb-16	14-Feb-17														
DCP Sent to Procurement - CD Gravity Sludge Thickeners Plant 1	16-Feb-16															
Submit/Approve SBD Goals and Request to Advertise - CD Gravity Sludge Thickeners Plant 1	16-Feb-16	16-Mar-16														
Advertise RDBS - CD Gravity Sludge Thickeners Plant 1	17-Mar-16															
Request for Qualifications - CD Gravity Sludge Thickeners Plant 1	17-Mar-16	15-Apr-16														
Qualifications Package Due - CD Gravity Sludge Thickeners Plant 1	16-Apr-16															
Qualification Review Period - CD Gravity Sludge Thickeners Plant 1	16-Apr-16	15-May-16														
Shortlist Published - CD Gravity Sludge Thickeners Plant 1		15-May-16														
Design-Builder RFP (Tier 2) - CD Gravity Sludge Thickeners Plant 1	16-May-16	02-Mar-17														
2.13 Gravity Sludge Thickeners Plant 2	11-Jun-14 A	18-Jan-20														
Engineering Design - CD Gravity Sludge Thickeners Plant 2	11-Jun-14 A	15-Feb-16														
WASD Project Administration - CD Gravity Sludge Thickeners Plant 2	01-May-15 A	18-Jan-20														
BODR Design Review - CD Gravity Sludge Thickeners Plant 2	23-Dec-15 A	14-Jan-16														
Design Criteria Package Initial Submittal - CD Gravity Sludge Thickeners Plant 2	15-Jan-16	25-Jan-16														
DCP Design Review - CD Gravity Sludge Thickeners Plant 2	26-Jan-16	03-Feb-16														
Pilot Testing of Thickening Process - CD Gravity Sludge Thickeners Plant 2	31-Jan-16*	29-Aug-16														
Final DCP Submittal - CD Gravity Sludge Thickeners Plant 2	04-Feb-16	15-Feb-16														
Permitting - CD Gravity Sludge Thickeners Plant 2	16-Feb-16	16-Jan-18														
Procurement - CD Gravity Sludge Thickeners Plant 2	16-Feb-16	11-Dec-16														
Design-Builder RFQ (Tier 1) - CD Gravity Sludge Thickeners Plant 2	16-Feb-16	15-May-16														
Environmental Permits - CD Gravity Sludge Thickeners Plant 2	16-Feb-16	14-Feb-17														
DCP Sent to Procurement - CD Gravity Sludge Thickeners Plant 2	16-Feb-16															
Submit/Approve SBD Goals and Request to Advertise - CD Gravity Sludge Thickeners Plant 2	16-Feb-16	16-Mar-16														
Advertise RDBS - CD Gravity Sludge Thickeners Plant 2	17-Mar-16															
Request for Qualifications - CD Gravity Sludge Thickeners Plant 2	17-Mar-16	15-Apr-16														

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MIAMI-DADE WATER & SEWER DEPARTMENT CONSENT DECREE PROGRAM SCHEDULE SIX MONTH SCHEDULE

WASD Consent Decree Schedule - December 2015 Update			Six Month Schedule Layout						21-Jan-16 16:10 - Page No. 8 of 28					
Activity Name	Start	Finish	2015						2016					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Qualifications Package Due - CD Gravity Sludge Thickener	16-Apr-16													◆ Qualifications Packa
Qualification Review Period - CD Gravity Sludge Thickener	16-Apr-16	15-May-16												■ Qualification
Shortlist Published - CD Gravity Sludge Thickeners Plant 2		15-May-16												◆ Shortlist Pu
Design-Builder RFP (Tier 2) - CD Gravity Sludge Thickeners	16-May-16	11-Dec-16												
Request for Proposals - CD Gravity Sludge Thickeners Plai	16-May-16	12-Sep-16												■
2.14 Digesters Plant 1	06-Jun-16	02-Nov-16												
2.14.1 Cluster 1	06-Jun-16	02-Nov-16												
Pre-Design - CD Digesters Plant 1 Cluster 1	06-Jun-16*	02-Nov-16												■
2.15 Digesters Plant 2	11-Jun-14 A	26-Oct-19												
2.15.1 Cluster 1	11-Jun-14 A	16-Feb-18												
WASD Project Administration - CD Digesters Plant 2 Clu	11-Jun-14 A	16-Feb-18												
Construction - CD Digesters Plant 2 Cluster 1	23-Mar-15 A	18-Nov-17												
Permitting - CD Digesters Plant 2 Cluster 1	30-Sep-15 A	27-Mar-16												■ Permitting - CD Digesters
Procurement - CD Digesters Plant 2 Cluster 1	28-Mar-16	23-Sep-16												
Design Documents Sent to Procurement - CD Digesters	28-Mar-16													◆ Design Documents Sent t
Submit/Approve SBD Goals and Request to Advertise - (28-Mar-16	26-May-16												■ Submit//
Advertise Bid Package - CD Digesters Plant 2 Cluster 1	27-May-16													◆ Advertis
Bid Solicitation Period - CD Digesters Plant 2 Cluster 1	27-May-16	10-Jul-16												■
2.15.3 Cluster 3	11-Feb-16	09-Jul-16												
Pre-Design - CD Digesters Plant 2 Cluster 3	11-Feb-16*	09-Jul-16												■
2.15.4 Cluster 4	04-May-15 A	26-Oct-19												
Engineering Design - CD Digesters Plant 2 Cluster 4	04-May-15 A	11-May-16												■ Engineering I
WASD Project Administration - CD Digesters Plant 2 Clu	05-May-15 A	26-Oct-19												
60% Design Submittal - CD Digesters Plant 2 Cluster 4	19-Oct-15 A	14-Jan-16												■ 60% Design Submittal - CD Digesters Plant 2 C
60% Design Review - CD Digesters Plant 2 Cluster 4	15-Jan-16	28-Jan-16												■ 60% Design Review - CD Digesters Plant 2
100% Design Submittal - CD Digesters Plant 2 Cluster 4	29-Jan-16	11-Apr-16												■ 100% Design Submitt
100% Design Review/Permit Ready Submittal - CD Diges	12-Apr-16	11-May-16												■ 100% Design
Permitting - CD Digesters Plant 2 Cluster 4	12-May-16	12-Dec-16												■
2.16 Dewatering Building	01-May-15 A	03-May-20												
Engineering Design - CD Dewatering Building	01-May-15 A	15-Feb-16												■ Engineering Design - CD Dewatering E
WASD Project Administration - CD Dewatering Building	01-May-15 A	03-May-20												
BODR Review Period - CD Dewatering Building	23-Dec-15 A	14-Jan-16												■ BODR Review Period - CD Dewatering Building
Design Criteria Package Initial Submittal - CD Dewatering E	15-Jan-16	25-Jan-16												■ Design Criteria Package Initial Submittal - C
DCP Design Review - CD Dewatering Building	26-Jan-16	03-Feb-16												■ DCP Design Review - CD Dewatering Buil
Pilot Testing of Thickening Process - CD Dewatering Buildir	31-Jan-16*	29-Aug-16												■
Final DCP Submittal - CD Dewatering Building	04-Feb-16	15-Feb-16												■ Final DCP Submittal - CD Dewatering
Permitting - CD Dewatering Building	16-Feb-16	02-May-18												
Procurement - CD Dewatering Building	16-Feb-16	27-Mar-17												
Design-Builder RFQ (Tier 1) - CD Dewatering Building	16-Feb-16	15-May-16												■ Design-Buil
Environmental Permits - CD Dewatering Building	16-Feb-16	14-Feb-17												■



MIAMI-DADE WATER & SEWER DEPARTMENT CONSENT DECREE PROGRAM SCHEDULE SIX MONTH SCHEDULE

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15-Jan-16	December 2015 Update		

Activity Name	Start	Finish	2016													
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun		
DCP Sent to Procurement - CD Dewatering Building	16-Feb-16															◆ DCP Sent to Procurement - CD Dewatering Building
Submit/Approve SBD Goals and Request to Advertise - CD	16-Feb-16	16-Mar-16														■ Submit/Approve SBD Goals and Request to Advertise - CD
Advertise RDBS - CD Dewatering Building	17-Mar-16															◆ Advertise RDBS - CD Dewatering Building
Request for Qualifications - CD Dewatering Building	17-Mar-16	15-Apr-16														■ Request for Qualifications - CD Dewatering Building
Qualifications Package Due - CD Dewatering Building	16-Apr-16															◆ Qualifications Package Due - CD Dewatering Building
Qualification Review Period - CD Dewatering Building	16-Apr-16	15-May-16														■ Qualification Review Period - CD Dewatering Building
Shortlist Published - CD Dewatering Building		15-May-16														◆ Shortlist Published - CD Dewatering Building
Design-Builder RFP (Tier 2) - CD Dewatering Building	16-May-16	27-Mar-17														
2.17 Chlorination Facilities	01-Oct-13 A	10-Dec-17														
WASD Project Administration - CD Chlorination Facilities	01-Oct-13 A	10-Dec-17														
Develop Equipment Pre-Purchase Packages - CD Chlorination Facilities	18-Jun-15 A	15-Jan-16														■ Develop Equipment Pre-Purchase Packages - CD Chlorination Facilities
Permitting - CD Chlorination Facilities	16-Nov-15 A	28-Jan-16														■ Permitting - CD Chlorination Facilities
Procurement - CD Chlorination Facilities	16-Nov-15 A	04-Mar-16														■ Procurement - CD Chlorination Facilities
Bid Solicitation Period - CD Chlorination Facilities	28-Dec-15 A	26-Jan-16														■ Bid Solicitation Period - CD Chlorination Facilities
Owner Pre-Purchase Tanks/Contract Modification - CD Chlorination Facilities	16-Jan-16	18-Jun-17														
Owner Pre-Purchase RTU - CD Chlorination Facilities	16-Jan-16	10-Nov-16														
Pre-Purchase Contract Modification & Bid Package (Tanks) - CD Chlorination Facilities	16-Jan-16*	14-Apr-16														■ Pre-Purchase Contract Modification & Bid Package (Tanks) - CD Chlorination Facilities
Pre-Purchase Bid Package (RTU) - CD Chlorination Facilities	16-Jan-16*	15-Mar-16														■ Pre-Purchase Bid Package (RTU) - CD Chlorination Facilities
Bids Due - CD Chlorination Facilities	29-Jan-16															◆ Bids Due - CD Chlorination Facilities
Bid Review Period - CD Chlorination Facilities	29-Jan-16	14-Feb-16														■ Bid Review Period - CD Chlorination Facilities
Award Recommendation - CD Chlorination Facilities		14-Feb-16														◆ Award Recommendation - CD Chlorination Facilities
Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Chlorination Facilities	15-Feb-16	04-Mar-16														■ Final Approvals (BCC, Mayor, Risk Mgmt.) - CD Chlorination Facilities
Construction - CD Chlorination Facilities	05-Mar-16	11-Sep-17														
Contractor Notice to Proceed (NTP) - CD Chlorination Facilities	05-Mar-16															◆ Contractor Notice to Proceed (NTP) - CD Chlorination Facilities
Advertise Pre-Purchase (RTU) - CD Chlorination Facilities	16-Mar-16															◆ Advertise Pre-Purchase (RTU) - CD Chlorination Facilities
Vendor Bid & Award (RTU) - CD Chlorination Facilities	16-Mar-16	14-May-16														■ Vendor Bid & Award (RTU) - CD Chlorination Facilities
Advertise Pre-Purchase (Tanks) - CD Chlorination Facilities	15-Apr-16															◆ Advertise Pre-Purchase (Tanks) - CD Chlorination Facilities
Vendor Bid & Award (Tanks) - CD Chlorination Facilities	15-Apr-16	13-Jun-16														■ Vendor Bid & Award (Tanks) - CD Chlorination Facilities
Vendor NTP (RTU) - CD Chlorination Facilities		14-May-16														◆ Vendor NTP (RTU) - CD Chlorination Facilities
Fabricate & Deliver Pre-Purchase RTUs - CD Chlorination Facilities	15-May-16*	10-Nov-16														■ Fabricate & Deliver Pre-Purchase RTUs - CD Chlorination Facilities
Vendor NTP (Tanks) - CD Chlorination Facilities		13-Jun-16														◆ Vendor NTP (Tanks) - CD Chlorination Facilities
Fabricate & Deliver Pre-Purchase Tanks - CD Chlorination Facilities	14-Jun-16*	18-Jun-17														■ Fabricate & Deliver Pre-Purchase Tanks - CD Chlorination Facilities
2.18 Odor Control Systems	06-Oct-14 A	03-May-20														
Engineering Design (Summary) - CD Odor Control Systems	06-Oct-14 A	15-Feb-16														■ Engineering Design (Summary) - CD Odor Control Systems
WASD Project Administration - CD Odor Control Systems	06-Oct-14 A	03-May-20														
Engineering Design (Dewatering) - CD Odor Control Systems	01-May-15 A	15-Feb-16														■ Engineering Design (Dewatering) - CD Odor Control Systems
Procurement (Summary) - CD Odor Control Systems - CD Chlorination Facilities	18-Dec-15 A	27-Mar-17														
Procurement (Headworks) - CD Odor Control Systems - CD Chlorination Facilities	18-Dec-15 A	19-Jul-16														
Permitting (Summary) - CD Odor Control Systems	29-Jan-16	02-May-18														



MIAMI-DADE WATER & SEWER DEPARTMENT CONSENT DECREE PROGRAM SCHEDULE SIX MONTH SCHEDULE

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15-Jan-16	December 2015 Update		

Activity Name	Start	Finish	2016															
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun				
Permitting (Headworks) - CD Odor Control Systems	29-Jan-16	27-Apr-16																
Procurement (Dewatering) - CD Odor Control Systems	16-Feb-16	27-Mar-17																
Permitting (Dewatering) - CD Odor Control Systems	16-Feb-16	02-May-18																
2.19 Co-Gen Improvements	22-Nov-12 A	29-Jun-19																
Engineering Design - CD Co-Gen Improvements	22-Nov-12 A	24-Jul-16																
Permitting - CD Co-Gen Improvements	12-Mar-13 A	21-Nov-16																
Procurement - CD Co-Gen Improvements	12-Mar-14 A	20-May-17																
Construction - CD Co-Gen Improvements	30-Jul-14 A	31-Mar-19																
2.19 (1) Co-Gen Generator Replacement	22-Nov-12 A	27-Jan-16																
WASD Project Administration - CD Co-Gen Generator Re	22-Nov-12 A	27-Jan-16																
Construction - CD Co-Gen Generator Replacement	30-Jul-14 A	27-Jan-16																
2.19 (1) Substantial Completion (CD Compliance Date 3/		27-Jan-16*																
2.19 (2) Co-Gen Biogas Treatment Facilities	03-Jun-15 A	29-Jun-19																
Engineering Design - CD Co-Gen Biogas Treatment Facil	03-Jun-15 A	24-Jul-16																
WASD Project Administration - CD Co-Gen Biogas Treati	04-Jun-15 A	29-Jun-19																
Remaining Basis of Design Report (BODR) - CD Co-Gen	17-Dec-15 A	18-Feb-16																
BODR Review Period - CD Co-Gen Biogas Treatment Fa	19-Feb-16	25-Feb-16																
60% Design Submittal - CD Co-Gen Biogas Treatment Fa	26-Feb-16	03-May-16																
60% Design Review - CD Co-Gen Biogas Treatment Faci	04-May-16	10-May-16																
100% Design Submittal - CD Co-Gen Biogas Treatment F	11-May-16	03-Jul-16																
2.21 Pump Station No.1	13-Aug-15 A	26-Aug-19																
Engineering Design - CD Pump Station No. 1	13-Aug-15 A	21-Dec-16																
WASD Project Administration - CD Pump Station No. 1	27-Aug-15 A	26-Aug-19																
Negotiate Final Design - CD Pump Station No. 1	24-Nov-15 A	22-Mar-16																
30% Design Submittal - CD Pump Station No. 1	23-Mar-16	10-Jun-16																
30% Design Review - CD Pump Station No. 1	11-Jun-16	24-Jun-16																
60% Design Submittal - CD Pump Station No. 1	25-Jun-16	12-Sep-16																
2.22 Pump Station No.2	15-Apr-15 A	20-Jan-18																
Engineering Design - CD Pump Station No. 2	15-Apr-15 A	13-Apr-16																
WASD Project Administration - CD Pump Station No. 2	16-Apr-15 A	20-Jan-18																
60% Design Submittal - CD Pump Station No. 2	19-Nov-15 A	27-Jan-16																
Develop Pre-Purchase Bid Packages (Odor Control, Vavle,	31-Dec-15	13-Feb-16																
60% Design Review - CD Pump Station No. 2	28-Jan-16	03-Feb-16																
100% Design Submittal - CD Pump Station No. 2	04-Feb-16	09-Mar-16																
Advertise Pre-Purchase Package (Odor Control) - CD Pum	14-Feb-16																	
Advertise Pre-Purchase Package (Plug Valve) - CD Pump	14-Feb-16																	
Advertise Pre-Purchase Package (Flow Meter) - CD Pump	14-Feb-16																	
Vendor Bid & Award (Odor Control) - CD Pump Station No. 2	14-Feb-16	03-May-16																
Vendor Bid & Award (Plug Valve) - CD Pump Station No. 2	14-Feb-16	03-May-16																



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Activity Name	Start	Finish	2016																	
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun						
Vendor Bid & Award (Flow Meter) - CD Pump Station No. 2	14-Feb-16	03-May-16															Vendor Bid & A			
100% Design Review/Permit Ready Submittal - CD Pump S	10-Mar-16	13-Apr-16																100% Design Review		
Permitting - CD Pump Station No. 2	14-Apr-16	10-Oct-16																		
Vendor NTP (Odor Control) - CD Pump Station No. 2	04-May-16																	◆ Vendor NTP (O		
Vendor NTP (Plug Valve) - CD Pump Station No. 2	04-May-16																	◆ Vendor NTP (P		
Vendor NTP (Flow Meter) - CD Pump Station No. 2	04-May-16																	◆ Vendor NTP (F		
Fabricate & Deliver Odor Control System - CD Pump Statio	04-May-16	30-Oct-16																		
Fabricate & Deliver Plug Valve - CD Pump Station No. 2	04-May-16	30-Oct-16																		
Fabricate & Deliver Flow Meter - CD Pump Station No. 2	04-May-16	30-Oct-16																		
2.23 O2 Plant Process Controls Phase 2	01-Oct-13 A	11-Sep-16																		
WASD Project Administration - CD O2 Plant Process Contr	01-Oct-13 A	11-Sep-16																		
Construction - CD O2 Plant Process Controls Phase 2	20-Apr-15 A	13-Jun-16																Cor		
Substantial Completion (CD Compliance Date 3/09/17) - CC		13-Jun-16*																◆ Sut		
Project Closeout - CD O2 Plant Process Controls Phase 2	14-Jun-16	11-Sep-16																		
2.24 Gas Monitoring and Alarms	13-Apr-15 A	27-Oct-17																		
WASD Project Administration - CD Gas Monitoring and Ala	13-Apr-15 A	27-Oct-17																		
Permitting - CD Gas Monitoring and Alarms	24-Aug-15 A	27-Feb-16																Permitting - CD Gas Monitoring and		
Procurement - CD Gas Monitoring and Alarms	28-Feb-16	23-Nov-16																		
2.26 Rehabilitation of Walkways and Stairways	01-Oct-13 A	28-Dec-23																		
Construction - CD Rehab of Walkways & Stairways	01-Oct-13 A	28-Dec-23																		
WASD Project Administration - CD Rehab of Walkways & S	01-Oct-13 A	28-Dec-23																		
2.27 Oxygen Production	16-Apr-15 A	18-Feb-20																		
Engineering Design - CD Oxygen Production	16-Apr-15 A	25-Aug-16																		
WASD Project Administration - CD Oxygen Production	16-Apr-15 A	18-Feb-20																		
Negotiate Phase II Design - CD Oxygen Production	27-Jul-15 A	28-Jan-16																Negotiate Phase II Design - CD Oxygen Pro		
Design Criteria Package Initial Submittal - CD Oxygen Prod	29-Jan-16	27-Apr-16																	Design Criteria P	
DCP Design Review - CD Oxygen Production	28-Apr-16	07-May-16																	DCP Design F	
Final DCP Submittal - CD Oxygen Production	08-May-16	25-Aug-16																		
3. North District WWTP	20-Mar-13 A	11-Apr-24																		
3.01 Headworks and Sludge Degritting & Transfer	20-Mar-13 A	26-Dec-17																		
WASD Project Administration - ND Headworks & Sludge Dt	20-Mar-13 A	26-Dec-17																		
Owner Pre-Purchase - Fabricate/Deliver Electrical Equip. -	13-Feb-15 A	27-Jan-16																	Owner Pre-Purchase - Fabricate/Deliver Ele	
Owner Pre-Purchase/Fabricate/Deliver Screens - ND Head	09-Mar-15 A	22-Jan-16																	Owner Pre-Purchase/Fabricate/Deliver Scree	
Construction Phase 1: Screens - ND Headworks & Sludge I	02-Nov-15 A	18-Jan-17																		
Construction Phase 2: Building Improvements - ND Headw	02-Nov-15 A	27-Sep-17																		
3.02 Primary Clarifiers and Odor Control	03-Sep-14 A	18-Dec-20																		
Engineering Design - ND Primary Clarifiers & Odor Control	03-Sep-14 A	30-Sep-16																		
WASD Project Administration - ND Primary Clarifiers & Odc	03-Sep-14 A	18-Dec-20																		
Submit Final VFI Bid Package - ND Primary Clarifiers & Od	20-Nov-15 A	31-Dec-15																		Submit Final VFI Bid Package - ND Primary Clarifie



MIAMI-DADE WATER & SEWER DEPARTMENT
CONSENT DECREE PROGRAM SCHEDULE
SIX MONTH SCHEDULE

Date	Revision	Che...	Approved
14-Jul-14	Revision 0		
22-Aug-14	July 2014 Update		
13-Jan-15	December 2014 Update		
15-Jan-16	December 2015 Update		

Activity Name	Start	Finish	2016													
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun		
30% Design Review - ND Primary Clarifiers & Odor Control	11-Dec-15 A	31-Dec-15									█					
Procurement - ND Primary Clarifiers & Odor Control	01-Jan-16	24-Dec-17														
60% Design Submittal - ND Primary Clarifiers & Odor Control	01-Jan-16	24-Mar-16										█				
Submit/Approve SBD Goals and Request to Advertise (VFI)	01-Jan-16	29-Feb-16										█				
Advertise Bid Package (VFI) - ND Primary Clarifiers & Odor Control	01-Mar-16															
Bid Solicitation Period (VFI Package) - ND Primary Clarifier	01-Mar-16	29-Apr-16														
60% Design Review - ND Primary Clarifiers & Odor Control	25-Mar-16	14-Apr-16														
100% Design Submittal - ND Primary Clarifiers & Odor Control	15-Apr-16	22-Sep-16														
Bids Due (VFI Package) - ND Primary Clarifiers & Odor Control	30-Apr-16															
Bid Review and Final Approvals (VFI package) - ND Primary Clarifiers	30-Apr-16	26-Sep-16														
3.05 Secondary Clarifiers	28-Aug-14 A	11-Apr-24														
Engineering Design - ND Secondary Clarifiers	28-Aug-14 A	03-Mar-17														
Procurement - ND Secondary Clarifiers	03-Oct-14 A	26-Jun-18														
Construction - ND Secondary Clarifiers	19-Jan-15 A	12-Jan-24														
3.05 (1) Secondary Clarifiers (Replace Mechanisms #1-1a)	28-Aug-14 A	28-Jul-16														
WASD Project Administration - ND Secondary Clarifiers (Replace Mechanisms #1-1a)	28-Aug-14 A	28-Jul-16														
1a - Construction - ND Secondary Clarifiers (Replace Mechanisms #1-1a)	19-Jan-15 A	16-Mar-16														
1b - Construction - ND Secondary Clarifiers (Replace Mechanisms #1-1b)	22-Sep-15 A	28-Jul-16														
3.05 (2) Secondary Clarifiers (Remaining Scope of Work)	28-Aug-14 A	11-Apr-24														
Engineering Design - ND Secondary Clarifiers (Remaining Scope of Work)	28-Aug-14 A	02-Apr-17														
WASD Project Administration - ND Secondary Clarifiers (Remaining Scope of Work)	28-Aug-14 A	11-Apr-24														
30% Design Submittal - ND Secondary Clarifiers (Remaining Scope of Work)	18-Dec-15 A	04-Jun-16														
30% Design Review - ND Secondary Clarifiers (Remaining Scope of Work)	05-Jun-16	25-Jun-16														
60% Design Submittal - ND Secondary Clarifiers (Remaining Scope of Work)	26-Jun-16	12-Nov-16														
3.06 Disinfection	21-Apr-14 A	19-Jan-19														
Engineering Design - ND Disinfection	21-Apr-14 A	22-Feb-16														
Revise Design for Code and Storm Surge Changes - ND Disinfection	11-Jun-15 A	22-Feb-16														
WASD Project Administration - ND Disinfection 1	11-Jun-15 A	19-Jan-19														
Permitting - ND Disinfection	23-Feb-16	20-Aug-16														
3.07 Effluent Disposal	21-Feb-14 A	31-Mar-18														
Procurement (Summary) - ND Effluent Disposal	21-Feb-14 A	10-May-17														
1b - Owner Pre-Purchase Elect. Equip. - DIW Pump Station	10-May-14 A	10-May-17														
WASD Project Administration - DIW Pump Station Electrical	10-Jun-14 A	31-Mar-18														
Construction (Summary) - ND Effluent Disposal	18-Feb-15 A	31-Dec-17														
1b - Construction - DIW Pump Station Electrical	18-Feb-15 A	12-Jul-17														
1a - Procurement - DIW Pump Station Mechanical	31-Dec-15	25-Sep-16														
1a - Design Documents Sent to Procurement - DIW Pump Station	31-Dec-15															
1a - Submit/Approve SBD Goals and Request to Advertise - DIW Pump Station	31-Dec-15	28-Feb-16														
1a - Advertise Bid Package - DIW Pump Station Mechanical	29-Feb-16															



MIAMI-DADE WATER & SEWER DEPARTMENT CONSENT DECREE PROGRAM SCHEDULE SIX MONTH SCHEDULE

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Activity Name	Start	Finish	2015						2016								
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun			
1a - Bid Solicitation Period - DIW Pump Station Mechanical	29-Feb-16	28-Apr-16															1a - Bid Solicitat
1a - Bids Due - DIW Pump Station Mechanical	29-Apr-16																◆ 1a - Bids Due - D
1a - Bid Review Period - DIW Pump Station Mechanical	29-Apr-16	28-May-16															1a - Bid
1a - Award Recommendation - DIW Pump Station Mechanic		28-May-16															◆ 1a - Aw
1a - Final Approvals (BCC, Mayor, Risk Mgmt.) - DIW Pum	29-May-16	25-Sep-16															
3.08 Plant Wide Electrical	01-May-14 A	23-Oct-22															
WASD Project Administration - ND Plant Wide Electrical	01-May-14 A	23-Oct-22															
Procurement - ND Plant Wide Electrical	01-May-15 A	31-May-21															
Procurement (Feeders 1 & 2) - ND Plant Wide Electrical	31-Dec-15	28-Apr-16															Procurement (Fe
Construction - ND Plant Wide Electrical	29-Apr-16	25-Jul-22															
Construction (Feeder Segments 1 & 2) - ND Plant Wide Ele	29-Apr-16*	25-Oct-16															
Procurement (Feeders 3-6) - ND Plant Wide Electrical	29-Apr-16	26-Aug-16															
3.09 Flood Mitigation	01-May-14 A	31-Jul-16															
WASD Project Administration - ND Flood Mitigation	01-May-14 A	31-Jul-16															
Procurement - ND Flood Mitigation	01-May-15 A	29-May-16															Procure
Construction - ND Flood Mitigation	01-May-15 A	31-Jul-16															
3.10 Yard Piping Replacement	06-Apr-15 A	27-Jul-16															
WASD Project Administration - ND Secondary Clarifiers	06-Apr-15 A	28-Apr-16															WASD Project A
Construction - ND Yard Piping Replacement	25-May-15 A	28-Apr-16															Construction - NI
Rehab 2nd 84" Pipe - ND Yard Piping Replacement	31-Dec-15*	28-Apr-16															Rehab 2nd 84" P
Substantial Completion (CD Compliance Date 12/04/21) - N		28-Apr-16*															◆ Substantial Com
Project Closeout - ND Yard Piping Replacement	29-Apr-16	27-Jul-16															
4. Wastewater Collection & Transmission Line	11-Mar-12 A	29-Dec-23															
4.01 Collection System I/I Repairs	01-Oct-13 A	29-Dec-23															
Construction - Collection System I/I Repair	01-Oct-13 A	29-Dec-23															
4.01 (1.0) - WPO - PMCM CIPP I/I Repairs	07-Dec-15 A	06-Dec-16															
CIPP Contract (Construction) - 2015/2016 Fiscal Year	07-Dec-15 A	06-Dec-16															
CIPP Specifications & Scope to MDWASD - 2016/2017 I	01-Apr-16*	30-Apr-16															CIPP Specificat
CIPP Contractor Procurement - 2016/2017 Fiscal Year	01-May-16	27-Oct-16															
4.01 (1.1) - WPO - PMCM Dig & Replace I/I Repairs	01-Mar-15 A	16-Jan-17															
Dig & Replace Contractor C Procurement - 2015/2016 Fis	01-Mar-15 A	08-Jan-16															Dig & Replace Contractor C Procurement - 2015/2
Dig & Replace Contract B (Construction) - 2015/2016 Fis	19-Oct-15 A	18-Oct-16															
Dig & Replace Contract A (Construction) - 2015/2016 Fis	26-Oct-15 A	25-Oct-16															
Dig & Replace Contract C (Construction) - 2015/2016 Fis	18-Jan-16*	16-Jan-17															
Dig & Replace Specifications & Scope to MDWASD - 20	01-Apr-16	30-Apr-16															Dig & Replace S
Dig & Replace Contractor Procurement - 2016/2017 Fisc	01-May-16	27-Oct-16															
4.01 (1.2) - WPO - PMCM SSES I/I Repairs	01-Mar-15 A	01-Feb-17															
SSES (CCTV) Procurement - 2015/2016 Fiscal Year	01-Mar-15 A	01-Feb-16															SSES (CCTV) Procurement - 2015/2016 F
SSES Construction (CCTV) - 2015/2016 Fiscal Year	02-Feb-16*	01-Feb-17															
SSES Specifications & Scope to MDWASD - 2016/2017	01-Apr-16	30-Apr-16															SSES Specifica



MIAMI-DADE WATER & SEWER DEPARTMENT CONSENT DECREE PROGRAM SCHEDULE SIX MONTH SCHEDULE

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Activity Name	Start	Finish	2015						2016						
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
SSES Contractor Procurement - 2016/2017 Fiscal Year	01-May-16	27-Oct-16													
4.01 (2) - PSIP Program I/I Repairs	01-Oct-13 A	29-Dec-23													
Construction - PSIP Program I/I Repair (MDWASD)	01-Oct-13 A	29-Dec-23													
4.01 (3) - MDWASD CM Team I/I Repairs	01-Oct-13 A	29-Dec-23													
Construction -MDWASD CM Team I/I Repair (MDWASD)	01-Oct-13 A	29-Dec-23													
4.01 (4) - WWCTLD WASD In-House I/I Repairs	01-Oct-13 A	29-Dec-23													
Construction - WWCTLD WASD In-House I/I Repair (MD	01-Oct-13 A	29-Dec-23													
4.03 Government Cut FM - Phase 3	30-Jan-13 A	24-Aug-16													
WASD Project Administration - Government Cut FM Phase 3	30-Jan-13 A	24-Aug-16													
Construction - Government Cut FM Phase 3	23-May-14 A	26-May-16													Construct
Substantial Completion (CD Compliance Date 4/08/17) - Gc		26-May-16*													◆ Substan
Project Closeout - Government Cut FM Phase 3	27-May-16	24-Aug-16													
4.04 North Dade 72 inch PCCP FM Rehabilitation	01-Feb-13 A	29-Aug-16													
WASD Project Administration - North Dade 72" PCCP FM R	01-Feb-13 A	29-Aug-16													
Permitting - North Dade 72" PCCP FM Rehab	10-Mar-15 A	04-Jan-16													Permitting - North Dade 72" PCCP FM Rehab
Final Design (Design-Builder) - North Dade 72" PCCP FM R	10-Mar-15 A	04-Jan-16													Final Design (Design-Builder) - North Dade 72" PC
Construction - North Dade 72" PCCP FM Rehab	30-Sep-15 A	31-May-16													Construct
Substantial Completion (CD Compliance Date 3/05/18) - No		31-May-16*													◆ Substa
Project Closeout - North Dade 72" PCCP FM Rehab	01-Jun-16	29-Aug-16													
4.05 South Dade 54 inch PCCP FM Rehabilitation	05-Aug-14 A	03-Jul-19													
Permitting - South Dade 54" PCCP FM Rehab	14-Oct-15 A	10-Apr-16													Permitting - South Dade
Procurement - South Dade 54" PCCP FM Rehab	11-Apr-16	07-Oct-16													
4.05 (1) 48/54" FM from SW 127 Ave/SW 280 St. to SW 1	05-Aug-14 A	18-Feb-18													
WASD Project Administration - 48/54 Inch FM (Phase 1)	05-Aug-14 A	18-Feb-18													
Permitting - 48/54 Inch FM (Phase 1)	14-Oct-15 A	10-Apr-16													Permitting - 48/54 Incl
Pre-Purchase 54" Pipe & Valves - 48/54 Inch FM (Phase	12-Jan-16	05-Jan-17													
Pre-Purchase Bid Package - 48/54 Inch FM (Phase 1)	12-Jan-16*	11-Mar-16													Pre-Purchase Bid Package - 48
Advertise Pre-Purchase Package - 48/54 Inch FM (Phas	12-Mar-16														◆ Advertise Pre-Purchase Packa
Vendor Bid & Award - 48/54 Inch FM (Phase 1)	12-Mar-16	10-May-16													Vendor Bid &
Procurement - 48/54 Inch FM (Phase 1)	11-Apr-16	07-Oct-16													
Design Documents Sent to Procurement - 48/54 Inch FM	11-Apr-16														◆ Design Documents Se
Submit/Approve SBD Goals and Request to Advertise - 4	11-Apr-16	09-Jun-16													Sub
Vendor NTP - 48/54 Inch FM (Phase 1)		10-May-16													◆ Vendor NTP -
Fabricate & Deliver Pre-Purchased 54" Pipe & Fittings -	11-May-16	05-Jan-17													
Advertise Bid Package - 48/54 Inch FM (Phase 1)	10-Jun-16														◆ Adv
Bid Solicitation Period - 48/54 Inch FM (Phase 1)	10-Jun-16	24-Jul-16													
4.05 (2) Rehab/Replace 2.5 Miles of 54" FM from SW280	05-Aug-14 A	03-Jul-19													
Engineering Design - Rehab/Replace 2.5 Miles of 54" FM	05-Aug-14 A	07-Oct-16													
WASD Project Administration - Rehab/Replace 2.5 Miles	05-Aug-14 A	03-Jul-19													
Engineering Design (60% - 90%) 2.5 Miles of 54" FM	11-Apr-16	07-Oct-16													



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Activity Name	Start	Finish	2015						2016						
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
4.07 Replacement of 18 inch DIP FM in Miami Lake	11-Mar-12 A	06-Mar-16													
WASD Project Administration - Replace 18" DIP FM in Mia	11-Mar-12 A	06-Mar-16													
Project Closeout - Replace 18" DIP FM in Miami Lakes	08-Dec-15 A	06-Mar-16													
4.08 Rehabilitation of 54 inch PCCP FM in the City	12-Mar-15 A	12-Aug-18													
Procurement - Rehab 54" PCCP FM in the City	23-Jan-16	06-May-16													
Construction - Rehab 54" PCCP FM in the City	07-May-16	09-Apr-17													
4.08 (1) Rehab 2 Miles of 54 Inch PCCP FM (Consent De	12-Mar-15 A	08-Jul-17													
WASD Project Administration - Rehab 2 Miles of 54" PC	12-Mar-15 A	08-Jul-17													
Develop Performance Specifications - Rehab 2 Miles of !	01-Oct-15 A	22-Jan-16													
Contractor Bid & Award - Rehab 2 Miles of 54" PCCP FM	23-Jan-16	06-May-16													
Design Documents Sent to Procurement - Rehab 2 Miles	23-Jan-16														
Submit/Approve SBD Goals and Request to Advertise - f	23-Jan-16	21-Feb-16													
Advertise Bid Package - Rehab 2 Miles of 54" PCCP FM	22-Feb-16														
Bid Solicitation Period - Rehab 2 Miles of 54" PCCP FM	22-Feb-16	22-Mar-16													
Bids Due - Rehab 2 Miles of 54" PCCP FM in the City	23-Mar-16														
Bid Review Period - Rehab 2 Miles of 54" PCCP FM in th	23-Mar-16	06-Apr-16													
Award Recommendation - Rehab 2 Miles of 54" PCCP FI		06-Apr-16													
Final Approvals (BCC, Mayor, Risk Mgmt.) - Rehab 2 Mil	07-Apr-16	06-May-16													
Construction - Rehab 2 Miles of 54" PCCP FM in the City	07-May-16	09-Apr-17													
Contractor Notice to Proceed (NTP) - Rehab 2 Miles of 5	07-May-16														
4.08 (2) Rehab/Replace an Additional 2 Miles of 54" PC	12-Mar-15 A	12-Aug-18													
WASD Project Administration - Rehab/Replace Additiona	12-Mar-15 A	12-Aug-18													
Develop Performance Specifications - Rehab/Replace Ac	01-Oct-15 A	22-Jan-16													
Contractor Bid & Award - Rehab/Replace Additional 2 Mil	23-Jan-16	20-Jul-16													
Design Documents Sent to Procurement - Rehab/Replac	23-Jan-16														
Submit/Approve SBD Goals and Request to Advertise - f	23-Jan-16	22-Mar-16													
Advertise Bid Package - Rehab/Replace Additional 2 Mil	23-Mar-16														
Bid Solicitation Period - Rehab/Replace Additional 2 Mile	23-Mar-16	06-May-16													
Bids Due - Rehab/Replace Additional 2 Miles of 54" PCC	07-May-16														
Bid Review Period - Rehab/Replace Additional 2 Miles of	07-May-16	05-Jun-16													
Award Recommendation - Rehab/Replace Additional 2 M		05-Jun-16													
Final Approvals (BCC, Mayor, Risk Mgmt.) - Rehab/Repl	06-Jun-16	20-Jul-16													
4.09 Replace Approximately 30 miles of AC FM Tra	28-Aug-12 A	16-Dec-19													
Engineering Design - Replace ~30 miles of AC FM Trans S	28-Aug-12 A	26-Dec-16													
Permitting - Replace ~30 miles of AC FM Trans System	05-Aug-13 A	27-Jul-17													
Procurement - Replace ~30 miles of AC FM Trans System	16-Dec-13 A	23-Apr-18													
Construction - Replace ~30 miles of AC FM Trans System	14-Apr-14 A	08-Oct-19													
4.09 (1) Replacement of 2,673 LF of 10" ACP FM - SW 11	31-Dec-15	18-Sep-18													
Pre-Design - 4.9 (1)	31-Dec-15*	28-Feb-16													
Engineering Design - 4.9 (1)	29-Feb-16	26-Jun-16													




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			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
WASD Project Administration - 4.9 (1)	29-Feb-16	18-Sep-18													
Permitting - 4.9 (1)	27-Jun-16	23-Dec-16													
4.09 (2) Replacement of 2,403 LF of 12" ACP FM - NE 14	24-Apr-14 A	13-Feb-17													
WASD Project Administration - 4.9 (2)	24-Apr-14 A	13-Feb-17													
Procurement - 4.9 (2)	26-Oct-15 A	14-Feb-16													
Bid Review Period - 4.9 (2)	14-Dec-15 A	15-Jan-16													
Award Recommendation - 4.9 (2)		15-Jan-16													
Final Approvals (BCC, Mayor, Risk Mgmt.) - 4.9 (2)	16-Jan-16	14-Feb-16													
Construction - 4.9 (2)	15-Feb-16	15-Nov-16													
Contractor Notice to Proceed (NTP) - 4.9 (2)	15-Feb-16														
4.09 (6-7) Replace 325LF of 6" ACP FM from PS #0362 to	27-Mar-15 A	10-Feb-17													
WASD Project Administration - 4.9 (6-7)	27-Mar-15 A	10-Feb-17													
Permitting - 4.9 (6-7)	03-Nov-15 A	31-Jan-16													
Procurement - 4.9 (6-7)	01-Feb-16	15-May-16													
Design Documents Sent to Procurement - 4.9 (6-7)	01-Feb-16														
Submit/Approve SBD Goals and Request to Advertise - 4.9 (6-7)	01-Feb-16	01-Mar-16													
Advertise Bid Package - 4.9 (6-7)	02-Mar-16														
Bid Solicitation Period - 4.9 (6-7)	02-Mar-16	31-Mar-16													
Bids Due - 4.9 (6-7)	01-Apr-16														
Bid Review Period - 4.9 (6-7)	01-Apr-16	15-Apr-16													
Award Recommendation - 4.9 (6-7)		15-Apr-16													
Final Approvals (BCC, Mayor, Risk Mgmt.) - 4.9 (6-7)	16-Apr-16	15-May-16													
Construction - 4.9 (6-7)	16-May-16	12-Nov-16													
Contractor Notice to Proceed (NTP) - 4.9 (6-7)	16-May-16														
4.09 (20-21) Replace 467LF 8" ACP FM from PS#0366 to	01-May-15 A	04-Apr-17													
WASD Project Administration - 4.9 (20-21)	01-May-15 A	04-Apr-17													
Procurement - 4.9 (20-21)	22-Dec-15 A	04-Apr-16													
Submit/Approve SBD Goals and Request to Advertise - 4.9 (20-21)	22-Dec-15 A	20-Jan-16													
Advertise Bid Package - 4.9 (20-21)	21-Jan-16														
Bid Solicitation Period - 4.9 (20-21)	21-Jan-16	19-Feb-16													
Bids Due - 4.9 (20-21)	20-Feb-16														
Bid Review Period - 4.9 (20-21)	20-Feb-16	05-Mar-16													
Award Recommendation - 4.9 (20-21)		05-Mar-16													
Final Approvals (BCC, Mayor, Risk Mgmt.) - 4.9 (20-21)	06-Mar-16	04-Apr-16													
Construction - 4.9 (20-21)	05-Apr-16	04-Jan-17													
Contractor Notice to Proceed (NTP) - 4.9 (20-21)	05-Apr-16														
4.09 (22) Replacement of 2,013 LF of 6" ACP FM from PS#0362 to	01-May-15 A	26-Feb-17													
WASD Project Administration - 4.9 (22)	01-May-15 A	26-Feb-17													
Procurement - 4.9 (22)	18-Dec-15 A	31-Mar-16													
Submit/Approve SBD Goals and Request to Advertise - 4.9 (22)	18-Dec-15 A	16-Jan-16													

QUALITY. VALUE. ECONOMIC GROWTH.

WWW.MIAMIDADE.GOV/WATER



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Advertise Bid Package - 4.9 (22)	17-Jan-16								◆ Advertise Bid Package - 4.9 (22)					
Bid Solicitation Period - 4.9 (22)	17-Jan-16	15-Feb-16							█ Bid Solicitation Period - 4.9 (22)					
Bids Due - 4.9 (22)	16-Feb-16								◆ Bids Due - 4.9 (22)					
Bid Review Period - 4.9 (22)	16-Feb-16	01-Mar-16							█ Bid Review Period - 4.9 (22)					
Award Recommendation - 4.9 (22)		01-Mar-16							◆ Award Recommendation - 4.9 (22)					
Final Approvals (BCC, Mayor, Risk Mgmt.) - 4.9 (22)	02-Mar-16	31-Mar-16							█ Final Approvals (BCC, M					
Construction - 4.9 (22)	01-Apr-16	28-Nov-16							█ Construction - 4.9 (22)					
Contractor Notice to Proceed (NTP) - 4.9 (22)	01-Apr-16								◆ Contractor Notice to Proc					
4.09 (23) Replacement of 1857 LF of 8" ACP FM from PS#	14-Dec-15 A	29-Apr-18												
Engineering Design - 4.9 (23)	14-Dec-15 A	13-Jun-16							█ Engineering Design - 4.9 (23)					
30% Design Submittal - 4.9 (23)	17-Dec-15 A	14-Feb-16							█ 30% Design Submittal - 4.9 (23)					
WASD Project Administration - 4.9 (23)	17-Dec-15 A	29-Apr-18							█ WASD Project Administration - 4.9 (23)					
60% Design Submittal - 4.9 (23)	15-Feb-16	14-Apr-16							█ 60% Design Submittal - 4.9 (23)					
90% Design Submittal - 4.9 (23)	15-Apr-16	13-Jun-16							█ 90% Design Submittal - 4.9 (23)					
Permitting - 4.9 (23)	14-Jun-16	11-Sep-16							█ Permitting - 4.9 (23)					
4.09 (24) Replacement of 840 LF of 8" ACP FM Along NV	23-Mar-15 A	10-Jun-17												
Engineering Design - 4.9 (24)	23-Mar-15 A	01-Mar-16							█ Engineering Design - 4.9 (24)					
WASD Project Administration - 4.9 (24)	23-Mar-15 A	10-Jun-17							█ WASD Project Administration - 4.9 (24)					
Permitting - 4.9 (24)	02-Mar-16	30-May-16							█ Permitting - 4.9 (24)					
Procurement - 4.9 (24)	31-May-16	12-Sep-16							█ Procurement - 4.9 (24)					
Design Documents Sent to Procurement - 4.9 (24)	31-May-16								◆ Design Documents Sent to Procurement - 4.9 (24)					
Submit/Approve SBD Goals and Request to Advertise - 4.9 (24)	31-May-16	29-Jun-16							█ Submit/Approve SBD Goals and Request to Advertise - 4.9 (24)					
4.09 (25-26) Replacement of 1040 LF of 10" ACP FM from	01-May-15 A	01-Mar-17												
WASD Project Administration - 4.9 (25-26)	01-May-15 A	01-Mar-17							█ WASD Project Administration - 4.9 (25-26)					
Procurement - 4.9 (25-26)	11-Nov-15 A	31-Mar-16							█ Procurement - 4.9 (25-26)					
Submit/Approve SBD Goals and Request to Advertise - 4.9 (25-26)	18-Dec-15 A	16-Jan-16							█ Submit/Approve SBD Goals and Request to Advertise - 4.9 (25-26)					
Advertise Bid Package - 4.9 (25-26)	17-Jan-16								◆ Advertise Bid Package - 4.9 (25-26)					
Bid Solicitation Period - 4.9 (25-26)	17-Jan-16	15-Feb-16							█ Bid Solicitation Period - 4.9 (25-26)					
Bids Due - 4.9 (25-26)	16-Feb-16								◆ Bids Due - 4.9 (25-26)					
Bid Review Period - 4.9 (25-26)	16-Feb-16	01-Mar-16							█ Bid Review Period - 4.9 (25-26)					
Award Recommendation - 4.9 (25-26)		01-Mar-16							◆ Award Recommendation - 4.9 (25-26)					
Final Approvals (BCC, Mayor, Risk Mgmt.) - 4.9 (25-26)	02-Mar-16	31-Mar-16							█ Final Approvals (BCC, M					
Construction - 4.9 (25-26)	01-Apr-16	01-Dec-16							█ Construction - 4.9 (25-26)					
Contractor Notice to Proceed (NTP) - 4.9 (25-26)	01-Apr-16								◆ Contractor Notice to Proc					
4.09 (27) Replace 263 LF of 4" ACP FM in SW 149th Ter	25-Sep-15 A	24-Aug-17												
Engineering Design - 4.9 (27)	25-Sep-15 A	12-Feb-16							█ Engineering Design - 4.9 (27)					
WASD Project Administration - 4.9 (27)	06-Oct-15 A	24-Aug-17							█ WASD Project Administration - 4.9 (27)					
60% Design Submittal - 4.9 (27)	16-Dec-15 A	21-Jan-16							█ 60% Design Submittal - 4.9 (27)					
90% Design Submittal - 4.9 (27)	22-Jan-16	12-Feb-16							█ 90% Design Submittal - 4.9 (27)					
Permitting - 4.9 (27)	13-Feb-16	12-May-16							█ Permitting - 4.9 (27)					



MIAMI-DADE WATER & SEWER DEPARTMENT CONSENT DECREE PROGRAM SCHEDULE SIX MONTH SCHEDULE

Date	Revision	Che...	Approved
14-Jul-14	Revision 0		
22-Aug-14	July 2014 Update		
13-Jan-15	December 2014 Update		
15-Jan-16	December 2015 Update		

Activity Name	Start	Finish	2015						2016						
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
Procurement - 4.9 (27)	13-May-16	25-Aug-16													
Design Documents Sent to Procurement - 4.9 (27)	13-May-16														◆ Design Docu
Submit/Approve SBD Goals and Request to Advertise - 4.9 (27)	13-May-16	11-Jun-16													■ Sub
Advertise Bid Package - 4.9 (27)	12-Jun-16														◆ Adv
Bid Solicitation Period - 4.9 (27)	12-Jun-16	11-Jul-16													■
4.09 (28) Replacement of 8" ACP FM from PS0786 to MH	31-Dec-15	21-Jul-18													
Pre-Design - 4.9 (28)	31-Dec-15*	28-Feb-16													■ Pre-Design - 4.9 (28)
WASD Project Administration - 4.9 (28)	31-Dec-15	21-Jul-18													
Engineering Design - 4.9 (28)	29-Feb-16	28-May-16													■ Enginee
Permitting - 4.9 (28)	29-May-16	24-Nov-16													■
4.09 (29-31) Replace 6" & 12" ACP/PVC FMs from 107th	30-Sep-14 A	23-Mar-18													
WASD Project Administration - 4.9 (29-31)	30-Sep-14 A	23-Mar-18													
Permitting - 4.9 (29-31)	20-Nov-15 A	18-Mar-16													■ Permitting - 4.9 (29-31)
Procurement - 4.9 (29-31)	19-Mar-16	01-Jul-16													
Design Documents Sent to Procurement - 4.9 (29-31)	19-Mar-16														◆ Design Documents Sent to F
Submit/Approve SBD Goals and Request to Advertise - 4.9 (29-31)	19-Mar-16	17-Apr-16													■ Submit/Approve SB
Advertise Bid Package - 4.9 (29-31)	18-Apr-16														◆ Advertise Bid Packa
Bid Solicitation Period - 4.9 (29-31)	18-Apr-16	17-May-16													■ Bid Solicita
Bids Due - 4.9 (29-31)	18-May-16														◆ Bids Due -
Bid Review Period - 4.9 (29-31)	18-May-16	01-Jun-16													■ Bid Re
Award Recommendation - 4.9 (29-31)		01-Jun-16													◆ Award
Final Approvals (BCC, Mayor, Risk Mgmt.) - 4.9 (29-31)	02-Jun-16	01-Jul-16													■
4.09 (32) Replacement of 684 LF of 12" ACP FM in SW 1	01-May-15 A	03-Jan-17													
WASD Project Administration - 4.9 (32)	01-May-15 A	03-Jan-17													
Procurement - 4.9 (32)	22-Dec-15 A	04-Apr-16													■ Procurement - 4.9 (32)
Submit/Approve SBD Goals and Request to Advertise - 4.9 (32)	22-Dec-15 A	20-Jan-16													■ Submit/Approve SBD Goals and Request to A
Advertise Bid Package - 4.9 (32)	21-Jan-16														◆ Advertise Bid Package - 4.9 (32)
Bid Solicitation Period - 4.9 (32)	21-Jan-16	19-Feb-16													■ Bid Solicitation Period - 4.9 (32)
Bids Due - 4.9 (32)	20-Feb-16														◆ Bids Due - 4.9 (32)
Bid Review Period - 4.9 (32)	20-Feb-16	05-Mar-16													■ Bid Review Period - 4.9 (32)
Award Recommendation - 4.9 (32)		05-Mar-16													◆ Award Recommendation - 4.9 (32)
Final Approvals (BCC, Mayor, Risk Mgmt.) - 4.9 (32)	06-Mar-16	04-Apr-16													■ Final Approvals (BCC, M
Construction - 4.9 (32)	05-Apr-16	05-Oct-16													■
Contractor Notice to Proceed (NTP) - 4.9 (32)	05-Apr-16														◆ Contractor Notice to Pro
4.09 (33) Replace 1701 LF 4" ACP from PVT PS at SW10	19-Oct-15 A	28-Sep-17													
Pre-Design - 4.9 (33)	19-Oct-15 A	17-Jan-16													■ Pre-Design - 4.9 (33)
Engineering Design - 4.9 (33)	18-Jan-16	16-Apr-16													■ Engineering Design
30% Design Submittal - 4.9 (33)	18-Jan-16	16-Feb-16													■ 30% Design Submittal - 4.9 (33)
WASD Project Administration - 4.9 (33)	18-Jan-16	28-Sep-17													
60% Design Submittal - 4.9 (33)	17-Feb-16	17-Mar-16													■ 60% Design Submittal - 4.9 (33)



MIAMI-DADE WATER & SEWER DEPARTMENT CONSENT DECREE PROGRAM SCHEDULE SIX MONTH SCHEDULE

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13-Jan-15	December 2014 Update		
15-Jan-16	December 2015 Update		

WASD Consent Decree Schedule - December 2015 Update			Six Month Schedule Layout						21-Jan-16 16:10 - Page No. 19 of 28									
Activity Name	Start	Finish	2015						2016									
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun				
90% Design Submittal - 4.9 (33)	18-Mar-16	16-Apr-16																
Permitting - 4.9 (33)	17-Apr-16	15-Jul-16																
4.09 (34-43) Replace ACP DM with 8" & 12" DI FM from 5	21-Oct-15 A	16-Dec-19																
Pre-Design - 4.9 (34-43)	21-Oct-15 A	05-Feb-16																
Engineering Design - 4.9 (34-43)	06-Feb-16	22-Sep-16																
30% Design Submittal - 4.9 (34-43)	06-Feb-16	05-May-16																
WASD Project Administration - 4.9 (34-43)	06-Feb-16	16-Dec-19																
60% Design Submittal - 4.9 (34-43)	06-May-16	14-Jul-16																
4.09 (44-45) Replacement of 1240 LF of 8" ACP FM from	31-Dec-15	20-Jul-18																
Pre-Design - 4.9 (44-45)	31-Dec-15*	28-Feb-16																
Engineering Design - 4.9 (44-45)	29-Feb-16	27-May-16																
WASD Project Administration - 4.9 (44-45)	29-Feb-16	20-Jul-18																
Permitting - 4.9 (44-45)	28-May-16	23-Nov-16																
4.09 (46) Replacement of 157 LF of 6" ACP FM from SW	03-Jun-15 A	14-Jul-17																
Pre-Design - 4.9 (46)	03-Jun-15 A	05-Feb-16																
Engineering Design - 4.9 (46)	06-Feb-16	05-Apr-16																
30% Design Submittal - 4.9 (46)	06-Feb-16	25-Feb-16																
WASD Project Administration - 4.9 (46)	06-Feb-16	14-Jul-17																
60% Design Submittal - 4.9 (46)	26-Feb-16	16-Mar-16																
90% Design Submittal - 4.9 (46)	17-Mar-16	05-Apr-16																
Permitting - 4.9 (46)	06-Apr-16	04-Jul-16																
4.09 (47) Replacement of 1023 LF of 8" ACP FM from PS	01-May-15 A	03-Jan-17																
WASD Project Administration - 4.9 (47)	01-May-15 A	03-Jan-17																
Procurement - 4.9 (47)	22-Dec-15 A	04-Apr-16																
Submit/Approve SBD Goals and Request to Advertise - 4	22-Dec-15 A	20-Jan-16																
Advertise Bid Package - 4.9 (47)	21-Jan-16																	
Bid Solicitation Period - 4.9 (47)	21-Jan-16	19-Feb-16																
Bids Due - 4.9 (47)	20-Feb-16																	
Bid Review Period - 4.9 (47)	20-Feb-16	05-Mar-16																
Award Recommendation - 4.9 (47)		05-Mar-16																
Final Approvals (BCC, Mayor, Risk Mgmt.) - 4.9 (47)	06-Mar-16	04-Apr-16																
Construction - 4.9 (47)	05-Apr-16	05-Oct-16																
Contractor Notice to Proceed (NTP) - 4.9 (47)	05-Apr-16																	
4.09 (48-53, 63) Replace 8" & 10" ACP FM with 16", 12" &	22-Dec-15 A	11-Oct-19																
Engineering Design - 4.9 (48-53, 63)	22-Dec-15 A	18-Jul-16																
30% Design Submittal - 4.9 (48-53, 63)	22-Dec-15 A	20-Mar-16																
WASD Project Administration - 4.9 (48-53, 63)	22-Dec-15 A	11-Oct-19																
60% Design Submittal - 4.9 (48-53, 63)	21-Mar-16	19-May-16																
90% Design Submittal - 4.9 (48-53, 63)	20-May-16	18-Jul-16																
4.09 (54-56) Replace 5285LF of 12" ACP FM - SW 72nd S	31-Dec-15	18-Aug-19																



**MIAMI-DADE WATER & SEWER DEPARTMENT
 CONSENT DECREE PROGRAM SCHEDULE
 SIX MONTH SCHEDULE**

Date	Revision	Che...	Approved
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22-Aug-14	July 2014 Update		
13-Jan-15	December 2014 Update		
15-Jan-16	December 2015 Update		

Activity Name	Start	Finish	2015						2016					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Pre-Design - 4.9 (54-56)	31-Dec-15*	28-Feb-16							Pre-Design - 4.9 (54-56)					
WASD Project Administration - 4.9 (54-56)	31-Dec-15	18-Aug-19												
Engineering Design - 4.9 (54-56)	29-Feb-16	26-Aug-16												
4.09 (57-59) Replace 1183LF 8", 2129LF 10" & 1750LF 12"	31-Dec-15	18-Aug-19												
Pre-Design - 4.9 (57-59)	31-Dec-15*	28-Feb-16							Pre-Design - 4.9 (57-59)					
Engineering Design - 4.9 (57-59)	29-Feb-16	26-Aug-16												
WASD Project Administration - 4.9 (57-59)	29-Feb-16	18-Aug-19												
4.09 (60-62) Replace 1500LF 8" ACP FM (PS#1013 - PS#1014)	01-May-16	29-Jun-16												
Pre-Design - 4.9 (60-62)	01-May-16*	29-Jun-16												
4.09 (67) Replace 2,700 LF of 8" ACP FM from PS#1132	13-Feb-15 A	12-Apr-18												
Engineering Design - 4.9 (67)	13-Feb-15 A	31-Jan-16							Engineering Design - 4.9 (67)					
WASD Project Administration - 4.9 (67)	13-Feb-15 A	12-Apr-18												
Permitting - 4.9 (67)	01-Feb-16	29-Jul-16												
4.09 (68) Replacement of 3,400 LF of 6" and 8" ACP FM,	06-Oct-14 A	24-Oct-17												
WASD Project Administration - 4.9 (68)	06-Oct-14 A	24-Oct-17												
Permitting - 4.9 (68)	16-Nov-15 A	27-Apr-16							Permitting - 4.9 (68)					
Procurement - 4.9 (68)	28-Apr-16	10-Aug-16												
Design Documents Sent to Procurement - 4.9 (68)	28-Apr-16													
Submit/Approve SBD Goals and Request to Advertise - 4.9 (68)	28-Apr-16	27-May-16												
Advertise Bid Package - 4.9 (68)	28-May-16													
Bid Solicitation Period - 4.9 (68)	28-May-16	26-Jun-16												
Bids Due - 4.9 (68)	27-Jun-16													
Bid Review Period - 4.9 (68)	27-Jun-16	11-Jul-16												
4.09 (69) Replacement of 2,320 LF of 12" ACP FM from PS#1132	01-May-15 A	08-May-17												
WASD Project Administration - 4.9 (69)	01-May-15 A	08-May-17												
Permitting - 4.9 (69)	19-Oct-15 A	26-Jan-16							Permitting - 4.9 (69)					
Procurement - 4.9 (69)	27-Jan-16	10-May-16												
Design Documents Sent to Procurement - 4.9 (69)	27-Jan-16													
Submit/Approve SBD Goals and Request to Advertise - 4.9 (69)	27-Jan-16	25-Feb-16												
Advertise Bid Package - 4.9 (69)	26-Feb-16													
Bid Solicitation Period - 4.9 (69)	26-Feb-16	26-Mar-16												
Bids Due - 4.9 (69)	27-Mar-16													
Bid Review Period - 4.9 (69)	27-Mar-16	10-Apr-16												
Award Recommendation - 4.9 (69)		10-Apr-16												
Final Approvals (BCC, Mayor, Risk Mgmt.) - 4.9 (69)	11-Apr-16	10-May-16												
Construction - 4.9 (69)	11-May-16	07-Feb-17												
Contractor Notice to Proceed (NTP) - 4.9 (69)	11-May-16													
4.09 (70) Replace 8000LF of 10" ACP FM at US-1 from PS#1132	27-Oct-14 A	16-Feb-18												
WASD Project Administration - 4.9 (70)	27-Oct-14 A	16-Feb-18												
Engineering Design (Revised Project Scope) - 4.9 (70)	27-Oct-15 A	27-Feb-16							Engineering Design (Revised Project Scope) - 4.9 (70)					

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MIAMI-DADE WATER & SEWER DEPARTMENT CONSENT DECREE PROGRAM SCHEDULE SIX MONTH SCHEDULE

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14-Jul-14	Revision 0		
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Activity Name	Start	Finish	2015						2016						
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
Permitting - 4.9 (70)	28-Feb-16	25-Aug-16													
4.09 (71) Replace 8" ACP FM from PS#0445, West to NW	02-Feb-15 A	12-Aug-18													
Engineering Design - 4.9 (71)	02-Feb-15 A	30-Jan-16	[Green Bar] Engineering Design - 4.9 (71)												
WASD Project Administration - 4.9 (71)	02-Feb-15 A	12-Aug-18													
Permitting - 4.9 (71)	31-Jan-16	28-Jul-16													
4.09 (72) Replace 9152 LF of 8", 12" and 16" ACP FM fro	31-Dec-15	31-Aug-19													
Engineering Design - 4.9 (72)	31-Dec-15*	08-Apr-16	[Green Bar] Engineering Design - 4												
WASD Project Administration - 4.9 (72)	31-Dec-15	31-Aug-19													
Permitting - 4.9 (72)	09-Apr-16	05-Oct-16													
4.09 (73) Replacement of 4156 LF of 16", 1375 LF of 12",	03-Apr-15 A	12-Mar-18													
WASD Project Administration - 4.9 (73)	03-Apr-15 A	12-Mar-18													
Permitting - 4.9 (73)	18-Dec-15 A	16-Mar-16													
Procurement - 4.9 (73)	17-Mar-16	29-Jun-16													
Design Documents Sent to Procurement - 4.9 (73)	17-Mar-16														
Submit/Approve SBD Goals and Request to Advertise - 4	17-Mar-16	15-Apr-16													
Advertise Bid Package - 4.9 (73)	16-Apr-16														
Bid Solicitation Period - 4.9 (73)	16-Apr-16	15-May-16													
Bids Due - 4.9 (73)	16-May-16														
Bid Review Period - 4.9 (73)	16-May-16	30-May-16													
Award Recommendation - 4.9 (73)		30-May-16													
Final Approvals (BCC, Mayor, Risk Mgmt.) - 4.9 (73)	31-May-16	29-Jun-16													
4.10 Opa-Locka Airport 48" PCCP Force Main Repl	17-Dec-14 A	24-Apr-18													
Engineering Design - Replace 48" PCCP FM @ Opa-Locka	17-Dec-14 A	04-Mar-16													
Permitting - Replace 48" PCCP FM @ Opa-Locka Airport	05-Mar-16	21-Apr-16													
Procurement - Replace 48" PCCP FM @ Opa-Locka Airport	04-Apr-16	18-Oct-16													
4.10 (1) Rehab Existing 48" FM Along North Side of Bis	14-Dec-15 A	27-Jun-17													
Draft Performance Specifications - Rehab Existing 48" Fl	14-Dec-15 A	27-Jan-16													
Engineering Design - Rehab Existing 48" FM East of Opa	14-Dec-15 A	04-Mar-16													
WASD Project Administration - Rehab Existing 48" FM E	14-Dec-15 A	27-Jun-17													
Performance Specifications Review - Rehab Existing 48"	28-Jan-16	03-Feb-16													
Final Performance Specifications Submittal - Rehab Exis	04-Feb-16	04-Mar-16													
Permitting - Rehab Existing 48" FM East of Opa Locka A	05-Mar-16	03-Apr-16													
Design Documents Sent to Procurement - Rehab Existin	04-Apr-16														
Submit/Approve SBD Goals and Request to Advertise - f	04-Apr-16	02-Jun-16													
Procurement - Rehab Existing 48" FM East of Opa Locka	04-Apr-16	30-Sep-16													
Advertise Bid Package - Rehab Existing 48" FM East of	03-Jun-16														
Bid Solicitation Period - Rehab Existing 48" FM East of C	03-Jun-16	17-Jul-16													
4.10 (2) Opa-Locka Airport 48" PCCP Force Main Replac	17-Dec-14 A	24-Apr-18													
Engineering Design - Replace 48" PCCP FM @ Opa-Loc	17-Dec-14 A	04-Feb-16													
WASD Project Administration - Replace 48" PCCP FM @	17-Dec-14 A	24-Apr-18													

- ◆ Design Documents Sent to P
- [Green Bar] Submit/Approve SBD
- ◆ Advertise Bid Packa
- [Green Bar] Bid Solicitat
- ◆ Bids Due - 4
- [Green Bar] Bid Rev
- ◆ Award I



MIAMI-DADE WATER & SEWER DEPARTMENT CONSENT DECREE PROGRAM SCHEDULE SIX MONTH SCHEDULE

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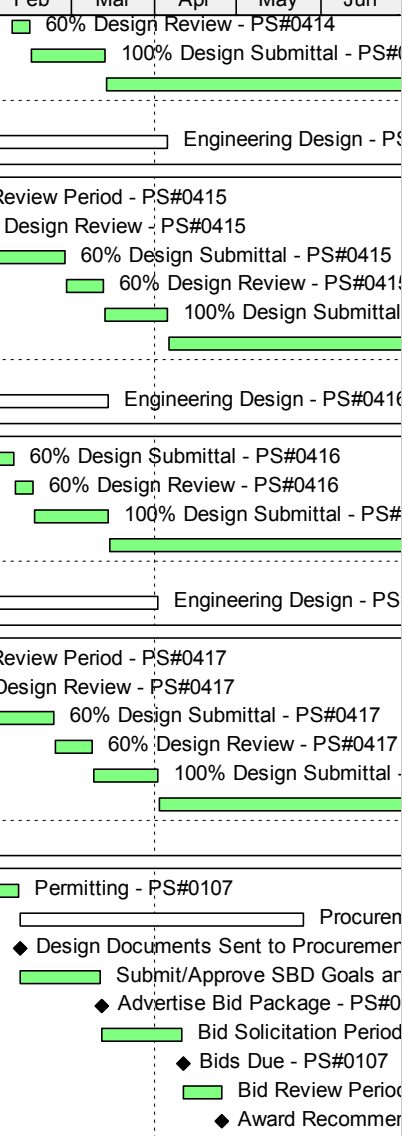
Activity Name	Start	Finish	2016															
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun				
100% Design Submittal - Replace 48" PCCP FM @ Opa-Permitting - Replace 48" PCCP FM @ Opa-Locka Airport	21-Nov-15 A	04-Feb-16																
Design Documents Sent to Procurement - Replace 48" P	22-Apr-16	20-Jun-16																
Submit/Approve SBD Goals and Request to Advertise - f	22-Apr-16	20-Jun-16																
Procurement - Replace 48" PCCP FM @ Opa-Locka Airp	22-Apr-16	18-Oct-16																
Advertise Bid Package - Replace 48" PCCP FM @ Opa-	21-Jun-16																	
Bid Solicitation Period - Replace 48" PCCP FM @ Opa-L	21-Jun-16	04-Aug-16																
5. Sewer Pump Station System	01-Nov-13 A	01-Sep-19																
5.01 Upgrade of PS#0418	01-Nov-13 A	11-Feb-19																
WASD Project Administration - Upgrade PS#0418	01-Nov-13 A	11-Feb-19																
Procurement - Upgrade PS#0418	13-Aug-15 A	16-May-16																
Bid Review Period - Upgrade PS#0418	19-Dec-15 A	17-Jan-16																
Award Recommendation - Upgrade PS#0418		17-Jan-16																
Final Approvals (BCC, Mayor, Risk Mgmt.) - Upgrade PS#0	18-Jan-16	16-May-16																
Construction - Upgrade PS#0418	17-May-16	13-Nov-18																
Contractor Notice to Proceed (NTP) - Upgrade PS#0418	17-May-16																	
City of Hialeah Completes Reroute of Gravity Mains from P		28-Jun-16*																
5.02 Upgrade of PS#0691	26-Nov-14 A	06-Mar-19																
Engineering Design - Upgrade PS#0691	26-Nov-14 A	19-Jul-16																
WASD Project Administration - Upgrade PS#0691	26-Nov-14 A	06-Mar-19																
Negotiate Scope & Fee of Remaining Design - Upgrade PS	19-May-15 A	12-Feb-16																
30% Design Submittal - Upgrade PS#0691	13-Feb-16	02-Apr-16																
30% Design Review - Upgrade PS#0691	03-Apr-16	16-Apr-16																
60% Design Submittal - Upgrade PS#0691	17-Apr-16	05-Jun-16																
60% Design Review - Upgrade PS#0691	06-Jun-16	19-Jun-16																
100% Design Submittal - Upgrade PS#0691	20-Jun-16	19-Jul-16																
5.03 Upgrade of PS#0692	26-Nov-14 A	27-Apr-19																
Engineering Design - Upgrade PS#0692	26-Nov-14 A	13-Jul-16																
WASD Project Administration - Upgrade PS#0692	26-Nov-14 A	27-Apr-19																
Negotiate Scope & Fee of Remaining Design - Upgrade PS	21-Aug-15 A	31-Jan-16																
30% Design Submittal - Upgrade PS#0692	01-Feb-16*	21-Mar-16																
30% Design Review - Upgrade PS#0692	22-Mar-16	28-Mar-16																
60% Design Submittal - Upgrade PS#0692	29-Mar-16	17-May-16																
60% Design Review - Upgrade PS#0692	18-May-16	24-May-16																
100% Design Submittal - Upgrade PS#0692	25-May-16	13-Jul-16																
5.04 Replacement of Switchgear PS#0414	09-Feb-15 A	01-Jul-18																
Engineering Design - PS#0414	09-Feb-15 A	13-Mar-16																
WASD Project Administration - PS#0414	09-Feb-15 A	01-Jul-18																
60% Design Submittal - PS#0414	24-Dec-15 A	07-Feb-16																



**MIAMI-DADE WATER & SEWER DEPARTMENT
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14-Jul-14	Revision 0		
22-Aug-14	July 2014 Update		
13-Jan-15	December 2014 Update		
15-Jan-16	December 2015 Update		

Activity Name	Start	Finish	2015						2016					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
60% Design Review - PS#0414	08-Feb-16	14-Feb-16								■				
100% Design Submittal - PS#0414	15-Feb-16	13-Mar-16								■				
Permitting - PS#0414	14-Mar-16	31-Jul-16									■	■	■	■
5.05 Replacement of Switchgear and Rehabilitation	09-Feb-15 A	31-Mar-19												
Engineering Design - PS#0415	09-Feb-15 A	05-Apr-16												
WASD Project Administration - PS#0415	09-Feb-15 A	31-Mar-19												
BODR Review Period - PS#0415	16-Jun-15 A	31-Dec-15												
30% Design Review - PS#0415	29-Dec-15 A	12-Jan-16								■				
60% Design Submittal - PS#0415	13-Jan-16	27-Feb-16								■				
60% Design Review - PS#0415	28-Feb-16	12-Mar-16									■			
100% Design Submittal - PS#0415	13-Mar-16	05-Apr-16									■	■	■	■
Permitting - PS#0415	06-Apr-16	02-Oct-16												
5.06 Replacement of Switchgear PS#0416	06-Feb-15 A	22-Jul-18												
Engineering Design - PS#0416	06-Feb-15 A	14-Mar-16												
WASD Project Administration - PS#0416	06-Feb-15 A	22-Jul-18												
60% Design Submittal - PS#0416	25-Dec-15 A	08-Feb-16												
60% Design Review - PS#0416	09-Feb-16	15-Feb-16									■			
100% Design Submittal - PS#0416	16-Feb-16	14-Mar-16									■	■	■	■
Permitting - PS#0416	15-Mar-16*	12-Jul-16												
5.07 Replacement of Switchgear and Rehabilitation	06-Feb-15 A	27-Mar-19												
Engineering Design - PS#0417	06-Feb-15 A	01-Apr-16												
WASD Project Administration - PS#0417	06-Feb-15 A	27-Mar-19												
BODR Review Period - PS#0417	16-Jun-15 A	31-Dec-15												
30% Design Review - PS#0417	29-Dec-15 A	08-Jan-16								■				
60% Design Submittal - PS#0417	09-Jan-16	23-Feb-16								■				
60% Design Review - PS#0417	24-Feb-16	08-Mar-16									■			
100% Design Submittal - PS#0417	09-Mar-16	01-Apr-16									■	■	■	■
Permitting - PS#0417	02-Apr-16	28-Sep-16												
5.08 Replacement of Electrical and Mechanical Equi	09-Jun-15 A	17-Oct-17												
WASD Project Administration - PS#0107	09-Jun-15 A	17-Oct-17												
Permitting - PS#0107	13-Oct-15 A	10-Feb-16												
Procurement - PS#0107	11-Feb-16	25-May-16												
Design Documents Sent to Procurement - PS#0107	11-Feb-16													
Submit/Approve SBD Goals and Request to Advertise - PS	11-Feb-16	11-Mar-16												
Advertise Bid Package - PS#0107	12-Mar-16													
Bid Solicitation Period - PS#0107	12-Mar-16	10-Apr-16												
Bids Due - PS#0107	11-Apr-16													
Bid Review Period - PS#0107	11-Apr-16	25-Apr-16												
Award Recommendation - PS#0107		25-Apr-16												



MIAMI-DADE WATER & SEWER DEPARTMENT CONSENT DECREE PROGRAM SCHEDULE SIX MONTH SCHEDULE



Date	Revision	Checked	Approved
14-Jul-14	Revision 0		
22-Aug-14	July 2014 Update		
13-Jan-15	December 2014 Update		
15-Jan-16	December 2015 Update		

Activity Name	Start	Finish	2015						2016					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0107	26-Apr-16	25-May-16												Final App
Construction - PS#0107	26-May-16	19-Jul-17												
Contractor Notice to Proceed (NTP) - PS#0107	26-May-16													◆ Contract
5.09 Replacement of Pumping and Electrical Equip	20-Nov-14 A	01-Sep-19												
Engineering Design - PS#0301	20-Nov-14 A	17-Feb-16												Engineering Design - PS#0301
WASD Project Administration - PS#0301	24-Nov-14 A	01-Sep-19												
60% Design Submittal - PS#0301	31-Oct-15 A	08-Jan-16												60% Design Submittal - PS#0301
60% Design Review - PS#0301	09-Jan-16	16-Jan-16												60% Design Review - PS#0301
100% Design Submittal - PS#0301	17-Jan-16	17-Feb-16												100% Design Submittal - PS#0301
Permitting - PS#0301	18-Feb-16	16-Jun-16												Permitting - PS#0301
Procurement - PS#0301	17-Jun-16	13-Dec-16												◆ De
Design Documents Sent to Procurement - PS#0301	17-Jun-16													
Submit/Approve SBD Goals and Request to Advertise - PS	17-Jun-16	15-Aug-16												
5.10 Upgrade of PS#0488	03-Apr-15 A	24-Aug-17												
WASD Project Administration - Upgrade PS#0488	03-Apr-15 A	24-Aug-17												
Procurement - Upgrade PS#0488	18-Nov-15 A	01-Apr-16												Procurement - Upgrade F
Submit/Approve SBD Goals and Request to Advertise - Up	18-Nov-15 A	17-Jan-16												◆ Advertise Bid Package - Upgrade PS#0488
Advertise Bid Package - Upgrade PS#0488	18-Jan-16													
Bid Solicitation Period - Upgrade PS#0488	18-Jan-16	16-Feb-16												◆ Bid Solicitation Period - Upgrade PS#
Bids Due - Upgrade PS#0488	17-Feb-16													◆ Bids Due - Upgrade PS#0488
Bid Review Period - Upgrade PS#0488	17-Feb-16	02-Mar-16												◆ Bid Review Period - Upgrade PS#
Award Recommendation - Upgrade PS#0488		02-Mar-16												◆ Award Recommendation - Upgrad
Final Approvals (BCC, Mayor, Risk Mgmt.) - Upgrade PS#0	03-Mar-16	01-Apr-16												Final Approvals (BCC, M
Construction - Upgrade PS#0488	02-Apr-16	26-May-17												
Contractor Notice to Proceed (NTP) - Upgrade PS#0488	02-Apr-16													◆ Contractor Notice to Pro
5.11 Installation of 60 inch FM from Kendall Dr to F	17-Dec-14 A	01-Jul-18												
Engineering Design (DCP) - Install 60" FM from Kendal Dr.	17-Dec-14 A	07-Apr-16												Engineering Design (D
WASD Project Administration - Install 60" FM from Kendal	17-Dec-14 A	01-Jul-18												
30% Design Submittal -Install 60" FM from Kendal Dr. to P	16-Dec-15 A	24-Jan-16												30% Design Submittal -Install 60" FM from K
30% Design Review - Install 60" FM from Kendal Dr. to PS:	25-Jan-16	31-Jan-16												30% Design Review - Install 60" FM from K
60% Design Submittal - Install 60" FM from Kendal Dr. to F	01-Feb-16	01-Mar-16												60% Design Submittal - Install 60"
60% Design Review - Install 60" FM from Kendal Dr. to PS:	02-Mar-16	08-Mar-16												60% Design Review - Install 60"
90% Design Submittal - Install 60" FM from Kendal Dr. to F	09-Mar-16	07-Apr-16												90% Design Submittal
Permitting - Install 60" FM from Kendal Dr. to PS#0536	08-Apr-16	04-Oct-16												
5.12 Replacement of Switchgear at PS#0187	25-Feb-15 A	06-Aug-18												
WASD Project Administration - Replace S/G at PS#0187	25-Feb-15 A	06-Aug-18												
Permitting - Replace S/G at PS#0187	25-Nov-15 A	22-May-16												Permitting
Pre-Purchase Pumps, Motors & VFDs - PS#0187	25-Nov-15 A	08-Dec-16												
Pre-Purchase Bid Package (Pumps, Motors & VFDs) - PS#	29-Jan-16*	27-Feb-16												Pre-Purchase Bid Package (Pump



MIAMI-DADE WATER & SEWER DEPARTMENT CONSENT DECREE PROGRAM SCHEDULE SIX MONTH SCHEDULE

Date	Revision	Che...	Approved
14-Jul-14	Revision 0		
22-Aug-14	July 2014 Update		
13-Jan-15	December 2014 Update		
15-Jan-16	December 2015 Update		

WASD Consent Decree Schedule - December 2015 Update			Six Month Schedule Layout						21-Jan-16 16:10 - Page No. 25 of 28					
Activity Name	Start	Finish	2015						2016					
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Advertise Pre-Purchase (Pumps, Motors & VFDs) - PS#0187	28-Feb-16													◆ Advertise Pre-Purchase (Pumps, M
Vendor Bid & Award (Pumps, Motors & VFDs) - PS#0187	28-Feb-16	12-Apr-16												Vendor Bid & Award (
Vendor NTP (Pumps, Motors & VFDs) - PS#0187		12-Apr-16												◆ Vendor NTP (Pumps,
Fabricate & Deliver Pumps, Motors & VFDs - PS#0187	13-Apr-16	08-Dec-16												
Procurement - Replace S/G at PS#0187	23-May-16	18-Nov-16												
Design Documents Sent to Procurement - PS#0187	23-May-16													◆ Design D
Submit/Approve SBD Goals and Request to Advertise - PS	23-May-16	21-Jul-16												
5.13 Refurbish Emergency Generators and Contro	29-Oct-14 A	08-Jan-16												
Construction (Summary) - Refurbish Emer Gen Controls at	29-Oct-14 A	08-Jan-16												Construction (Summary) - Refurbish Emer Gen C
5.13 (12) Construction - Refurbish PS#0516 Emergency Ge	12-May-15 A	08-Jan-16												5.13 (12) Construction - Refurbish PS#0516 Em
Substantial Completion (CD Compliance Date 7/20/16) - Re		08-Jan-16*												◆ Substantial Completion (CD Compliance Date 7/2
5.16 Upgrade of PS#0198, 0437, 0466, 0680	01-May-15 A	24-Feb-17												
Procurement - Upgrade PS#0198, 0437, 0466, 0680	04-Nov-15 A	28-Apr-16												Procurement - Up
Construction - Upgrade PS#0198, 0437, 0466, 0680	21-Mar-16	26-Nov-16												
5.16 (1) Pump Station 0198 Compliance Project	01-May-15 A	16-Jan-17												
WASD Project Administration - PS#0198 Compliance Pr	01-May-15 A	16-Jan-17												
Procurement - PS#0198 Compliance Project	04-Nov-15 A	20-Mar-16												Procurement - PS#0198 Cor
Bid Solicitation Period - PS#0198 Compliance Project	07-Dec-15 A	05-Jan-16												Bid Solicitation Period - PS#0198 Compliance Pro
Bids Due - PS#0198 Compliance Project	06-Jan-16													◆ Bids Due - PS#0198 Compliance Project
Bid Review Period - PS#0198 Compliance Project	06-Jan-16	04-Feb-16												Bid Review Period - PS#0198 Compliance
Award Recommendation - PS#0198 Compliance Project		04-Feb-16												◆ Award Recommendation - PS#0198 Comp
Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0198 Cc	05-Feb-16	20-Mar-16												Final Approvals (BCC, Mayo
Construction - PS#0198 Compliance Project	21-Mar-16	18-Oct-16												
Contractor Notice to Proceed (NTP) - PS#0198 Complian	21-Mar-16													◆ Contractor Notice to Procee
5.16 (2) Pump Station No. 0437 Upgrade	01-May-15 A	19-Jan-17												
WASD Project Administration - PS#0437 Upgrade	01-May-15 A	19-Jan-17												
Procurement - PS#0437 Upgrade	24-Nov-15 A	23-Mar-16												Procurement - PS#0437 Up
Submit/Approve SBD Goals and Rquest to Advertise - P	24-Nov-15 A	02-Jan-16												Submit/Approve SBD Goals and Rquest to Advertis
Bid Solicitation Period - PS#0437 Upgrade	09-Dec-15 A	08-Jan-16												Bid Solicitation Period - PS#0437 Upgrade
Bids Due - PS#0437 Upgrade	09-Jan-16													◆ Bids Due - PS#0437 Upgrade
Bid Review Period - PS#0437 Upgrade	09-Jan-16	07-Feb-16												Bid Review Period - PS#0437 Upgrade
Award Recommendation - PS#0437 Upgrade		07-Feb-16												◆ Award Recommendation - PS#0437 Upg
Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0437 Up	08-Feb-16	23-Mar-16												Final Approvals (BCC, Mayo
Construction - PS#0437 Upgrade	24-Mar-16	21-Oct-16												
Contractor Notice to Proceed (NTP) - PS#0437 Upgrade	24-Mar-16													◆ Contractor Notice to Procee
5.16 (3) Pump Station 0466 Compliance Project	27-Jul-15 A	24-Feb-17												
WASD Project Administration - PS#0466 Compliance Pr	27-Jul-15 A	24-Feb-17												
Procurement - PS#0466 Compliance Project	15-Jan-16	28-Apr-16												Procurement - P
Design Documents Sent to Procurement - PS#0466 Corr	15-Jan-16*													◆ Design Documents Sent to Procurement - PS#(
Submit/Approve SBD Goals and Request to Advertise - f	15-Jan-16	13-Feb-16												Submit/Approve SBD Goals and Reque



MIAMI-DADE WATER & SEWER DEPARTMENT CONSENT DECREE PROGRAM SCHEDULE SIX MONTH SCHEDULE

Date	Revision	Che...	Approved
14-Jul-14	Revision 0		
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13-Jan-15	December 2014 Update		
15-Jan-16	December 2015 Update		

Activity Name	Start	Finish	2015						2016								
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun			
Advertise Bid Package - PS#0466 Compliance Project	14-Feb-16											◆ Advertise Bid Package - PS#0466 Con					
Bid Solicitation Period - PS#0466 Compliance Project	14-Feb-16	14-Mar-16										█ Bid Solicitation Period - PS#0					
Bids Due - PS#0466 Compliance Project	15-Mar-16											◆ Bids Due - PS#0466 Compliar					
Bid Review Period - PS#0466 Compliance Project	15-Mar-16	29-Mar-16										█ Bid Review Period - PS#C					
Award Recommendation - PS#0466 Compliance Project		29-Mar-16										◆ Award Recommendation -					
Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0466 Cc	30-Mar-16	28-Apr-16										█ Final Approvals (
Construction - PS#0466 Compliance Project	29-Apr-16	26-Nov-16										█ Construction - PS#0466 C					
Contractor Notice to Proceed (NTP) - PS#0466 Complian	29-Apr-16											◆ Contractor Notice					
5.16 (4) Pump Station 0680 Upgrade	01-May-15 A	19-Jan-17															
WASD Project Administration - PS#0680 Upgrade	01-May-15 A	19-Jan-17															
Procurement - PS#0680 Upgrade	24-Nov-15 A	23-Mar-16										█ Procurement - PS#0680 Up					
Bid Solicitation Period - PS#0680 Upgrade	09-Dec-15 A	08-Jan-16										█ Bid Solicitation Period - PS#0680 Upgrade					
Bids Due - PS#0680 Upgrade	09-Jan-16											◆ Bids Due - PS#0680 Upgrade					
Bid Review Period - PS#0680 Upgrade	09-Jan-16	07-Feb-16										█ Bid Review Period - PS#0680 Upgrade					
Award Recommendation - PS#0680 Upgrade		07-Feb-16										◆ Award Recommendation - PS#0680 Upg					
Final Approvals (BCC, Mayor, Risk Mgmt.) - PS#0680 Up	08-Feb-16	23-Mar-16										█ Final Approvals (BCC, Mayr					
Construction - PS#0680 Upgrade	24-Mar-16	21-Oct-16										█ Construction - PS#0680 Upg					
Contractor Notice to Proceed (NTP) - PS#0680 Upgrade	24-Mar-16											◆ Contractor Notice to Proceed					
5.17 Upgrade of PS#0037, 0351, 0370, 0403	16-Dec-15 A	29-Mar-18															
Engineering Design - Upgrade PS#0037, 0351, 0370, 0403	07-Mar-16	21-Aug-16															
5.17 (1) Pump Station 0037 Compliance Project	31-Dec-15	21-Mar-18															
Site Assessment Report - PS#0037 Compliance Project	31-Dec-15*	29-Jan-16										█ Site Assessment Report - PS#0037 Compli					
Pre-Design - PS#0037 Compliance Project	07-Jan-16*	06-Mar-16										█ Pre-Design - PS#0037 Compliar					
Site Selection - PS#0037 Compliance Project	30-Jan-16	12-Feb-16										█ Site Selection - PS#0037 Compliance F					
Land Acquisition - PS#0037 Compliance Project	13-Feb-16	10-Aug-16															
Engineering Design - PS#0037 Compliance Project	07-Mar-16	12-Sep-16															
WASD Project Administration - PS#0037 Compliance Pr	07-Mar-16	21-Mar-18															
5.17 (2) Pump Station No. 0351 Upgrade	15-Jan-16	29-Mar-18															
Pre-Design - PS#0351 Upgrade	15-Jan-16*	14-Mar-16										█ Pre-Design - PS#0351 Upgrad					
Engineering Design - PS#0351 Upgrade	15-Mar-16*	20-Sep-16															
WASD Project Administration - PS#0351 Upgrade	15-Mar-16	29-Mar-18															
5.17 (2.1) Pump Station 0351 FM Replacement	31-Dec-15	14-Mar-18															
Pre-Design - PS#0351 FM Replacement	31-Dec-15*	28-Feb-16										█ Pre-Design - PS#0351 FM Replac					
Engineering Design - PS#0351 FM Replacement	29-Feb-16*	05-Sep-16															
WASD Project Administration - PS#0351 FM Replacement	29-Feb-16	14-Mar-18															
5.17 (3) Pump Station No. 0370 Upgrade and Installati	16-Dec-15 A	27-Feb-18															
Pre-Design - PS#0370 Upgrade and FM Installation	16-Dec-15 A	13-Feb-16										█ Pre-Design - PS#0370 Upgrade and FI					
Engineering Design - PS#0370 Upgrade and FM Installat	14-Feb-16*	21-Aug-16															
WASD Project Administration - PS#0370 Upgrade and FI	14-Feb-16	27-Feb-18															
5.17 (4) Pump Station 0403 Upgrade	16-Dec-15 A	27-Feb-18															



MIAMI-DADE WATER & SEWER DEPARTMENT CONSENT DECREE PROGRAM SCHEDULE SIX MONTH SCHEDULE

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14-Jul-14	Revision 0		
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13-Jan-15	December 2014 Update		
15-Jan-16	December 2015 Update		

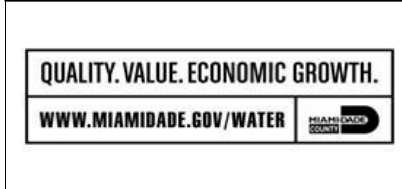
Activity Name	Start	Finish	2015						2016						
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
Pre-Design - PS#0403 Upgrade	16-Dec-15 A	13-Feb-16													
Engineering Design - PS#0403 Upgrade	14-Feb-16*	21-Aug-16													
WASD Project Administration - PS#0403 Upgrade	14-Feb-16	27-Feb-18													
5.18 Upgrade of PS#0441, 0491, 0710, 0827, 0852, 1	09-Jun-15 A	31-Mar-19													
5.18 (4) Pump Station 0827 Compliance Project	09-Jun-15 A	31-Mar-19													
WASD Project Administration - PS#0827 Compliance Pr	09-Jun-15 A	31-Mar-19													
6. Supplemental Environmental Project	08-Jun-15 A	14-Feb-19													
Engineering Design - SEP	08-Jun-15 A	31-Jul-16													
Construction Summary - SEP	14-Dec-15 A	16-Nov-18													
6.0 Supplemental Environmental Project (SEP)	08-Jun-15 A	14-Feb-19													
WASD Project Administration - SEP	08-Jun-15 A	14-Feb-19													
Negotiate Scope & Fee for Balance of Design - SEP	28-Aug-15 A	19-Jan-16													
30% Design Submittal - SEP	20-Jan-16	19-Mar-16													
30% Design Review - SEP	20-Mar-16	26-Mar-16													
60% Design Submittal - SEP	27-Mar-16	25-May-16													
60% Design Review - SEP	26-May-16	01-Jun-16													
100% Design Submittal - SEP	02-Jun-16	31-Jul-16													
6.1 SEP (Early Phase Work)	09-Jun-15 A	09-Aug-16													
WASD Project Administration - Early Phase SEP	09-Jun-15 A	09-Aug-16													
Construction - Early Phase SEP	14-Dec-15 A	11-May-16													
Project Closeout - Early Phase SEP	12-May-16	09-Aug-16													
7. Capacity, Management, Operations & Maint. (CMC)	01-Oct-13 A	06-Dec-18													
Pump Station Remote Monitoring	01-Oct-13 A	18-Mar-16													
Implementation of Pump Station Remote Monitoring	01-Oct-13 A	18-Mar-16													
WCTS Model	06-Dec-13 A	06-Dec-18													
Update WCTS Model	06-Dec-13 A	06-Dec-18													
Spare Parts Program	06-Dec-13 A	31-Dec-16													
Spare Parts Program	06-Dec-13 A	31-Dec-16													
Volume Sewer Customer (VSC) Ordinance Program	02-Sep-15 A	09-Jul-16													
Plan of Compliance Submitted to Miami-Dade by Each VSC	02-Sep-15 A	11-Mar-16													
Miami-Dade Review of VSC's Initial Plan of Compliance	12-Mar-16	10-Apr-16													
Each VSC Makes Corrections to Plan of Compliance as Re	11-Apr-16	09-Jun-16													
Miami-Dade Review of First Revision to VSC Plan of Comp	10-Jun-16	09-Jul-16													
Fats, Oils & Grease (FOG) Control Program	09-Jun-15 A	28-Jun-16													
EPA/FDEP Review/Approval - Revised FOG Control Progr	09-Jun-15 A	31-Dec-15													
Enact Amendment within 180 days of Approvals	01-Jan-16	28-Jun-16													
Annual FOG review, evaluation & revisions 2016	01-Jun-16*	20-Jun-16													
Compliance Subtask Complete - FOG Control Program		28-Jun-16													
Sewer Overflow Response Plan (SORP)	03-Jul-15 A	29-Jun-16													



MIAMI-DADE WATER & SEWER DEPARTMENT CONSENT DECREE PROGRAM SCHEDULE SIX MONTH SCHEDULE

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Activity Name	Start	Finish	2016											
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
EPA/FDEP Review/Approval - SORP	03-Jul-15 A	01-Jan-16	█						EPA/FDEP Review/Approval - SORP					
Enact Amendment within 180 days of Approvals	02-Jan-16	29-Jun-16							█					
Compliance Subtask Complete - SORP		29-Jun-16												
Information Management System (IMS) Program	06-Dec-13 A	07-Jun-17												
Implementation of Graphic Information System (GIS) of Eni	06-Dec-13 A	07-Jun-17	█						█					
EPA/FDEP Review/Approval - IMS Program	31-Dec-15	28-Feb-16							█					
Enact Amendment within 180 days of Approvals	29-Feb-16	26-Aug-16							█					
Sewer System Asset Management Program	07-Oct-15 A	28-Jun-16												
EPA/FDEP Review/Approval - SS Asset Management Plan	07-Oct-15 A	31-Dec-15	█						EPA/FDEP Review/Approval - SS Asset Manage					
Enact Amendment within 180 days of Approvals	01-Jan-16	28-Jun-16							█					
Compliance Subtask Complete - SS Asset Management PI		28-Jun-16												
Gravity Sewer System Operations & Maintenance f	07-Feb-15 A	28-Jun-16												
EPA/FDEP Review/Approval - GSS O&M Program	07-Feb-15 A	31-Dec-15	█						EPA/FDEP Review/Approval - GSS O&M Program					
Enact Amendment within 180 days of Approvals	01-Jan-16	28-Jun-16							█					
Compliance Subtask Complete - GSS O&M Program		28-Jun-16												
Pump Station Operations & Preventative Maint. Pr	03-Apr-15 A	29-Jun-16												
EPA/FDEP Review/Approval - Pump Station O&M Program	03-Apr-15 A	01-Jan-16	█						EPA/FDEP Review/Approval - Pump Station O&M					
Enact Amendment within 180 days of Approvals	02-Jan-16	29-Jun-16							█					
Compliance Subtask Complete - Pump Station O&M Progr		29-Jun-16												
Force Main Operation, Preventative Maint. & Asses	07-Aug-15 A	04-Jul-16												
EPA/FDEP Review/Approval - FM Oper. Prev. Maint. & Ass	07-Aug-15 A	06-Jan-16	█						EPA/FDEP Review/Approval - FM Oper. Prev. Ma					
Enact Amendment within 180 days of Approvals	07-Jan-16	04-Jul-16							█					
Force Main Criticality Assessment Prioritization Re	07-Jan-16	06-Oct-16												
Force Main Criticality Assessment & Prioritization Report	07-Jan-16	06-Oct-16							█					
Force Main Rehabilitation/Replacement Program	31-Dec-15	28-Feb-16												
EPA/FDEP Review/Approval - FM Rehab/Replacement Rep	31-Dec-15	28-Feb-16							█					
WWTP Operations and Maintenance Program	06-May-15 A	28-Jun-16												
EPA/FDEP Review/Approval - WWTP O&M Program	06-May-15 A	31-Dec-15	█						EPA/FDEP Review/Approval - WWTP O&M Progra					
Enact Amendment within 180 days of Approvals	01-Jan-16	28-Jun-16							█					
Compliance Subtask Complete - WWTP O&M Program		28-Jun-16												
Financial Analysis Program	26-Nov-15 A	21-Sep-16												
Revise and Resubmit Financial Analysis Program to EPA	26-Nov-15 A	25-Jan-16							█					
EPA/FDEP Review/Approval of Revised Submittal- Financi	26-Jan-16	25-Mar-16							█					
Enact Amendment within 180 days of Approvals	26-Mar-16	21-Sep-16							█					



MIAMI-DADE WATER & SEWER DEPARTMENT CONSENT DECREE PROGRAM SCHEDULE SIX MONTH SCHEDULE

Date	Revision	Che...	Approved
14-Jul-14	Revision 0		
22-Aug-14	July 2014 Update		
13-Jan-15	December 2014 Update		
15-Jan-16	December 2015 Update		