



miamidade.gov

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

VIA ELECTRONIC CORRESPONDENCE

July 16, 2015

CCN: 59531
File No: 8.DC.20.19 & 82

Chief, Environmental Enforcement Section
Environment and Natural Resources Division
U.S. Department of Justice
P.O. Box 7611
Ben Franklin Station
Washington, D.C. 20044-7611
RE: DOJ No. 90-5-1-1-4022/1
Walter.Benjamin.Fisherow@usdoj.gov

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

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

Florida Department of Environmental Protection
Southeast District – Suite 200
400 N. Congress Ave.
West Palm Beach, FL 33401
Attn: Compliance/Enforcement Section
Diane.Pupa@dep.state.fl.us

RE: Consent Decree (Case: No. 1:12-cv-24400-FAM)
Reference DOJ Case No. 90-5-1-1-4022/1
Section VI –Specific Capital Improvement Projects, Paragraph 19(i)
Section XX-Modification
2015 Request for Modifications of Non-Material Changes to Interim Milestones in CD Appendix D-2

Dear Sir/Madam:

Pursuant to our discussions during our June 18th telephone conference, the Miami-Dade Water and Sewer Department (MDWASD) respectfully request approval of modifications for non-material changes to Appendix D-2 in conformance with Sections VI.19(i) and XX of the above referenced Consent Decree. Attached for your review and approval is a table containing the non-material modifications to certain dates for phased work in Appendix D-2. For ease of identification, the dates highlighted in blue are those for which we are requesting modifications. In addition, the table also illustrates the variance (in days) of the requested modification date to the previously approved interim milestone date.

July 16, 2015

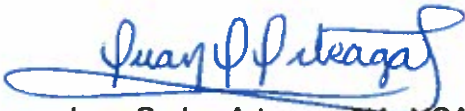
Page 2

As discussed on our June 18th call, MDWASD has now completed an evaluation and validation of our entire Consent Decree program. This evaluation included development of detailed schedules at the project level. The validated schedules contain a breakdown of individual design stages (e.g. 30%/60%/90%) as well as preliminary construction schedules for each Consent Decree project. This evaluation resulted in the need to request modifications of the interim milestones in order to meet the construction completion date specified in Appendix D-2.

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) 552-8571.

Sincerely,



Juan Carlos Arteaga, AIA, NCARB, CBO, APA, LEED® AP
Deputy Director for Regulatory Compliance & Capital Improvements

Attachments: Request for Modifications of Non-Material Changes to Interim Milestones in CD
Appendix D-2 Table

ec: Jonathan A. Glogau
Special Counsel
Chief, Complex Litigation
Office of the Attorney General
PL-01, The Capitol
Tallahassee, FL 32399-1050
850-414-3817
Jon.Glogau@myfloridalegal.com

Florida Department of Environmental Protection
Southeast District – Suite 200
400 N. Congress Ave.
West Palm Beach, FL 33401
Attn: Compliance/Enforcement Section
Jason.Andreotta@dep.state.fl.us
Lisa.M.Self@dep.state.fl.us
Sed.wastewater@dep.state.fl.us

Mayor Carlos A. Gimenez
Miami-Dade County
111 NW First Street 29th Floor
Miami, Florida 33128

Lester Sola, Director
Miami-Dade Water and Sewer Department
3071 SW 38th Avenue
Miami, Florida 33146

Jack Osterholt, Deputy Mayor/Director
Miami-Dade Regulatory and
Economic Resources
111 NW 1st Street. 29th Floor
Miami, FL 33128
Josterholt@miamidade.gov

Robert A. Cuevas, Jr.
Miami-Dade County Attorney
111 NW First Street Suite 2810
Miami, Florida 33128

William Bush
Associate Regional Counsel
U.S. EPA, Region 4
61 Forsyth Street, SW
Atlanta, Georgia 30303
Bush.William@epa.gov

July 16, 2015

Page 4

William A. Weinischke
Senior Trial Attorney
Environmental Enforcement Section
Environment and Natural Resources Division
U.S. Department of Justice
P.O. Box 7611
Washington, D.C. 20044
Bill.Weinischke@usdoj.gov

ebc: Douglas L. Yoder
Eduardo Vega
Bertha Goldenberg
Henry Gillman
Frances G. Morris
Sarah Davis
Sherry Negahban
Richard O'Rourke
Howard Fallon
Robert Fergen
Al Galambos
Rod Lovett
Manuel Moncholi
Dan Edwards
Rolando Roque
Juan Bedoya
Vincent Flick
Lee N. Hefty (RER-DERM)
Carlos Hernandez (RER-DERM)
Rashid Istambouli (RER-DERM)
David Haywood (CD PMCM)
Abby Diaz (CD PMCM)
Cynthia Doyon (CD PMCM)

MDWASD Consent Decree Program
New Requested EPA Interim Milestone Dates
(May 2015 Update)

EPA Interim Milestone ID	Activity Name	Current Start	Requested Start	Start Variance	Current Finish	Requested Finish	Finish Variance	Notes
WASD Consent Decree Baseline Schedule Revision 0 - May 2015 Update								
1. South District WWTP								
1.1 Headworks								
1.1.1	Engineering Design - SD Headworks	1-Oct-15	1-Oct-15	-	26-Apr-16	26-Apr-16	-	
1.1.2	Permitting - SD Headworks	27-Apr-16	27-Apr-16	-	26-Apr-17	26-Apr-17	-	
1.1.3	Procurement - SD Headworks	27-Apr-17	27-Apr-17	-	25-Apr-18	25-Apr-18	-	
1.1.4	Construction - SD Headworks	26-Apr-18	26-Apr-18	-	23-Feb-20	23-Feb-20	-	
1.2 Oxygen Production								
1.2.1	Engineering Design - SD Oxygen Production	1-Jan-15	1-Jan-15	-	23-Aug-15	29-May-16	(280.00)	Preliminary engineering design activities were delayed due to the process of procuring a design consultant. Delays in engineering activities resulted in delays in permitting and procurement. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
1.2.2	Permitting - SD Oxygen Production	24-Aug-15	30-May-16	(280.00)	22-Aug-16	25-Nov-16	(95.00)	
1.2.3	Procurement - SD Oxygen Production	23-Aug-16	26-Nov-16	(95.00)	22-Aug-17	22-Aug-17	-	
1.2.4	Construction - SD Oxygen Production	23-Aug-17	23-Aug-17	-	13-Sep-19	13-Sep-19	-	
1.3 Oxygenation Trains								
1.3 (2) - Oxygenation Trains - Mixer Upgrades								
1.3.1	Engineering Design - SD Oxygenation Trains Mixer Upgrades	1-Nov-16	1-Nov-16	-	17-Jul-17	17-Jul-17	-	
1.3.2	Permitting - SD Oxygenation Trains Mixer Upgrades	18-Jul-17	18-Jul-17	-	17-Jul-18	17-Jul-18	-	
1.3.3	Procurement - SD Oxygenation Trains Mixer Upgrades	18-Jul-18	18-Jul-18	-	17-Jul-19	17-Jul-19	-	
1.3 (1) - Oxygenation Trains Structural Rehab								
1.3.4	Construction Train 5 - SD Oxygenation Trains	18-Jul-19	18-Jul-19	-	17-Nov-19	17-Nov-19	-	
1.3.5	Construction Train 6 - SD Oxygenation Trains	17-Jul-20	17-Jul-20	-	16-Nov-20	16-Nov-20	-	
1.3.6	Construction Train 4 - SD Oxygenation Trains	16-Jul-21	16-Jul-21	-	16-Nov-21	16-Nov-21	-	
1.3.7	Construction Train 3 - SD Oxygenation Trains	17-Jul-22	17-Jul-22	-	17-Nov-22	17-Nov-22	-	
1.3.8	Construction Train 2 - SD Oxygenation Trains	17-Jul-23	17-Jul-23	-	17-Nov-23	17-Nov-23	-	
1.3.9	Construction Train 1 - SD Oxygenation Trains	17-Jul-24	17-Jul-24	-	17-Nov-24	17-Nov-24	-	
1.3.10	Construction Train 7 - SD Oxygenation Trains	17-Jul-25	17-Jul-25	-	16-Nov-25	16-Nov-25	-	
1.4 Chlorine Building								
1.4.1	Engineering Design - SD Chlorine Building	1-Dec-18	1-Dec-18	-	10-Apr-19	10-Apr-19	-	
1.4.2	Permitting - SD Chlorine Building	11-Apr-19	11-Apr-19	-	9-Apr-20	9-Apr-20	-	
1.4.3	Procurement - SD Chlorine Building	10-Apr-20	10-Apr-20	-	9-Apr-21	9-Apr-21	-	
1.4.4	Construction - SD Chlorine Building	10-Apr-21	10-Apr-21	-	1-Jun-22	1-Jun-22	-	
1.5 Effluent Pump Station								
1.5.1	Engineering Design - SD Effluent Pump Station	1-Sep-16	1-Sep-16	-	10-Jul-17	10-Jul-17	-	
1.5.2	Permitting - SD Effluent Pump Station	11-Jul-17	11-Jul-17	-	10-Jul-18	10-Jul-18	-	
1.5.3	Procurement - SD Effluent Pump Station	11-Jul-18	11-Jul-18	-	10-Jul-19	10-Jul-19	-	
1.5.4	Construction - SD Effluent Pump Station	11-Jul-19	11-Jul-19	-	7-Apr-22	7-Apr-22	-	
1.6 Gravity Sludge Thickeners								
1.6.1	Engineering Design - SD Gravity Sludge Thickeners	1-Jan-18	1-Jan-18	-	18-Aug-18	18-Aug-18	-	
1.6.2	Permitting - SD Gravity Sludge Thickeners	19-Aug-18	19-Aug-18	-	18-Aug-19	18-Aug-19	-	
1.6.3	Procurement - SD Gravity Sludge Thickeners	19-Aug-19	19-Aug-19	-	17-Aug-20	17-Aug-20	-	
1.6.4	Construction - SD Gravity Sludge Thickeners	18-Aug-20	18-Aug-20	-	24-Sep-22	24-Sep-22	-	

MDWASD Consent Decree Program
New Requested EPA Interim Milestone Dates
(May 2015 Update)

EPA Interim Milestone ID	Activity Name	Current Start	Requested Start	Start Variance	Current Finish	Requested Finish	Finish Variance	Notes
1.7 Digesters and Control Building								
1.7.1	Engineering Design - SD Digesters & Control Building	3-Jul-14	3-Jul-14	-	31-Jul-16	31-Jul-16	-	Delays in engineering activities resulted in delays in permitting and procurement. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
1.7.2	Permitting - SD Digesters & Control Building	27-Jul-14	16-Jun-16	-	26-Jul-15	12-Dec-16	(505.00)	
1.7.3	Procurement - SD Digesters & Control Building	27-Jul-15	13-Dec-16	(505.00)	25-Jul-16	8-Sep-17	(410.00)	
1.7.4	Construction - SD Digesters & Control Building	26-Jul-16	9-Sep-17	(410.00)	28-Oct-21	28-Oct-21	-	
1.8 Dewatering Facility								
1.8.1	Engineering Design (DCP) - SD Dewatering Facilities	1-Jul-14	1-Mar-15	-	13-Apr-15	16-Mar-16	-	This is a design-build project. Preliminary engineering design activities were delayed due to the process of procuring a design consultant. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
1.8.2	Permitting - SD Dewatering Facilities	14-Apr-15	12-Jun-17	-	12-Apr-16	26-Dec-17	(623.00)	
1.8.3	Procurement - SD Dewatering Facilities	13-Apr-16	13-Apr-16	-	12-Apr-17	12-Apr-17	-	
1.8.4	Construction - SD Dewatering Facilities	13-Apr-17	12-Jun-17	(60.00)	28-Nov-19	28-Nov-19	-	
1.9 FOG Removal Facility								
1.9.1	Engineering Design - SD FOG Removal Facility	8-Jul-14	8-Jul-14	-	30-Jun-15	16-Feb-16	(231.00)	Preliminary engineering design activities were delayed due to the process of procuring a design consultant. Delays in engineering activities resulted in delays in permitting and procurement. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
1.9.2	Permitting - SD FOG Removal Facility	1-Jul-15	17-Feb-16	(231.00)	27-Dec-15	15-Jun-16	(171.00)	
1.9.3	Procurement - SD FOG Removal Facility	3-May-15	16-Jun-16	-	1-May-16	12-Dec-16	(225.00)	
1.9.4	Construction - SD FOG Removal Facility	2-May-16	13-Dec-16	(225.00)	7-Dec-17	7-Dec-17	-	
1.10 Odor Control								
1.10.1	Engineering Design - SD Odor Control	1-Dec-18	1-Dec-18	-	27-Jun-19	27-Jun-19	-	
1.10.2	Permitting - SD Odor Control	28-Jun-19	28-Jun-19	-	26-Jun-20	26-Jun-20	-	
1.10.3	Procurement - SD Odor Control	27-Jun-20	27-Jun-20	-	26-Jun-21	26-Jun-21	-	
1.10.4	Construction - SD Odor Control	27-Jun-21	27-Jun-21	-	25-Apr-23	25-Apr-23	-	
1.11 General Electrical								
1.11.1	Engineering Design - SD General Electrical	1-Nov-16	1-Nov-16	-	28-May-17	28-May-17	-	
1.11.2	Permitting - SD General Electrical	29-May-17	29-May-17	-	28-May-18	28-May-18	-	
1.11.3	Procurement - SD General Electrical	29-May-18	29-May-18	-	28-May-19	28-May-19	-	
1.11.4	Construction - SD General Electrical	29-May-19	29-May-19	-	26-Mar-21	26-Mar-21	-	
1.12 Chlorine Contact Chamber Structural Rehab								
1.12.1	Engineering Design - SD Chlorine Contact Chamber Struct. Rehab	1-Aug-16	1-Aug-16	-	8-Apr-17	8-Apr-17	-	
1.12.2	Permitting - SD Chlorine Contact Chamber Struct. Rehab	9-Apr-17	9-Apr-17	-	8-Apr-18	8-Apr-18	-	
1.12.3	Procurement - SD Chlorine Contact Chamber Struct. Rehab	9-Apr-18	9-Apr-18	-	8-Apr-19	8-Apr-19	-	
1.12.4	Construction - SD Chlorine Contact Chamber Struct. Rehab	9-Apr-19	9-Apr-19	-	18-Jun-21	18-Jun-21	-	
2. Central District WWTP								
2.1 Miscellaneous Electrical Improvements								
2.1.1	Engineering Design - CD Misc. Elect.Improvements	1-Jan-17	1-Jan-17	-	20-Jun-17	20-Jun-17	-	
2.1.2	Permitting - CD Misc. Elect.Improvements	21-Jun-17	21-Jun-17	-	20-Jun-18	20-Jun-18	-	
2.1.3	Procurement - CD Misc. Elect.Improvements	21-Jun-18	21-Jun-18	-	20-Jun-19	20-Jun-19	-	
2.1.4	Construction - CD Misc. Elect.Improvements	21-Jun-19	21-Jun-19	-	6-Mar-20	6-Mar-20	-	
2.2 Building Improvements								
2.2.1	Engineering Design - CD Repairs to Various Buildings	1-May-14	1-May-14	-	18-Oct-14	22-Dec-15	-	This project has been split into two child projects. The required repairs to other buildings is starting at a later date. As a result, the project is requiring a later permitting end date.
2.2.2	Permitting - CD Repairs to Various Buildings	19-Oct-14	19-Oct-14	-	18-Oct-15	20-Apr-16	(185.00)	
2.2.3	Procurement - CD Repairs to Various Buildings	19-Oct-15	19-Oct-15	-	17-Oct-16	17-Oct-16	-	Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
2.2.4	Construction - CD Repairs to Various Buildings	18-Oct-16	18-Oct-16	-	6-Sep-17	6-Sep-17	-	

MDWASD Consent Decree Program
New Requested EPA Interim Milestone Dates
(May 2015 Update)

EPA Interim Milestone ID	Activity Name	Current Start	Requested Start	Start Variance	Current Finish	Requested Finish	Finish Variance	Notes
2.3 Headworks/Grit Basin Plant 1								
2.3.1	Engineering Design - CD Headworks/Grit Basin Plant 1	1-Sep-14	6-Oct-14	-	4-Jul-15	5-Jan-16	(185.00)	Preliminary engineering design activities were delayed due to the process of procuring a design consultant. Delays in engineering activities is resulting in delays in permitting and procurement. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
2.3.2	Permitting - CD Headworks/Grit Basin Plant 1	4-Aug-14	6-Jan-16	-	3-Aug-15	4-May-16	(275.00)	
2.3.3	Procurement - CD Headworks/Grit Basin Plant 1	4-Aug-15	6-Jan-16	(155.00)	2-Aug-16	2-Aug-16	-	
2.3.4	Construction - CD Headworks/Grit Basin Plant 1	3-Aug-16	3-Aug-16	-	22-Oct-17	22-Oct-17	-	
2.4 Headworks/Grit Basin Plant 2								
2.4.1	Engineering Design - CD Headworks/Grit Basin Plant 2	1-Sep-14	6-Oct-14	-	2-Oct-15	19-Feb-16	(140.00)	Preliminary engineering design activities were delayed due to the process of procuring a design consultant. Delays in engineering activities is resulting in delays in permitting. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
2.4.2	Permitting - CD Headworks/Grit Basin Plant 2	4-Mar-15	20-Feb-16	-	2-Mar-16	18-Jun-16	(108.00)	
2.4.3	Procurement - CD Headworks/Grit Basin Plant 2	3-Mar-16	3-Mar-16	-	2-Mar-17	2-Mar-17	-	
2.4.4	Construction - CD Headworks/Grit Basin Plant 2	3-Mar-17	3-Mar-17	-	22-May-18	22-May-18	-	
2.5 Oxygenation Trains Plant 1								
2.5.1	Engineering Design - CD Oxygenation Trains Plant 1	1-Jun-14	1-Jun-14	-	2-Sep-14	2-Sep-14	-	Validation of design and construction schedule resulted in delays in construction start dates. Completion of construction is currently anticipated to finish ahead of CD compliance date.
2.5.2	Permitting - CD Oxygenation Trains Plant 1	3-Sep-14	3-Sep-14	-	2-Sep-15	2-Sep-15	-	
2.5.3	Procurement (Mixers) - CD Oxygenation Trains Plant 1	3-Sep-15	3-Sep-15	-	1-Sep-16	1-Sep-16	-	
2.5.4	Structural Rehab Train #2 - CD Oxygenation Trains Plant 1	1-Oct-16	14-Dec-16	(74.00)	14-Apr-17	14-Apr-17	-	
2.5.5	Structural Rehab Train #3 - CD Oxygenation Trains Plant 1	1-Oct-17	15-Dec-17	(75.00)	15-Apr-18	15-Apr-18	-	
2.6 Oxygenation Trains Plant 2								
2.6.1	Engineering Design - CD Oxygenation Trains Plant 2	1-Jun-16	1-Jun-16	-	2-Sep-16	2-Sep-16	-	Validation of design and construction schedule resulted in delay of procurement end date. Therefore, the delay in procurement end date resulted in delays in construction start dates. Completion of construction is currently anticipated to finish ahead of CD compliance date.
2.6.2	Permitting - CD Oxygenation Trains Plant 2	3-Sep-16	3-Sep-16	-	2-Sep-17	2-Sep-17	-	
2.6.3	Procurement (Mixers) - CD Oxygenation Trains Plant 2	3-Sep-17	3-Sep-17	-	2-Sep-18	16-Nov-18	(75.00)	
2.6.4	Structural Rehab Train #1 - CD Oxygenation Trains Plant 2	3-Sep-18	16-Dec-18	(104.00)	18-Mar-19	18-Mar-19	-	
2.6.5	Structural Rehab Train #2 - CD Oxygenation Trains Plant 2	1-Oct-19	16-Dec-19	(76.00)	14-Apr-20	14-Apr-20	-	
2.6.6	Structural Rehab Train #3 - CD Oxygenation Trains Plant 2	1-Oct-20	15-Dec-20	(75.00)	15-Apr-21	15-Apr-21	-	
2.6.7	Structural Rehab Train #4 - CD Oxygenation Trains Plant 2	1-Oct-21	16-Dec-21	(76.00)	14-Apr-22	14-Apr-22	-	
2.7 Secondary Clarifiers Plant 1								
2.7.1	Engineering Design - CD Secondary Clarifiers Plant 1	1-Apr-21	1-Apr-21	-	5-Oct-21	5-Oct-21	-	
2.7.2	Permitting - CD Secondary Clarifiers Plant 1	6-Oct-21	6-Oct-21	-	5-Oct-22	5-Oct-22	-	
2.7.3	Procurement - CD Secondary Clarifiers Plant 1	6-Oct-22	6-Oct-22	-	5-Oct-23	5-Oct-23	-	
2.7.4	Construction Clarifiers 1&2 - CD Secondary Clarifiers Plant 1	6-Oct-23	6-Oct-23	-	17-Sep-24	17-Sep-24	-	
2.7.5	Construction Clarifiers 3&4 - CD Secondary Clarifiers Plant 1	18-Sep-24	18-Sep-24	-	31-Aug-25	31-Aug-25	-	
2.7.6	Construction Clarifiers 5&6 - CD Secondary Clarifiers Plant 1	1-Sep-25	1-Sep-25	-	15-Aug-26	15-Aug-26	-	
2.8 Secondary Clarifiers Plant 2								
2.8.1	Engineering Design - CD Secondary Clarifiers Plant 2	1-Jun-16	1-Jun-16	-	5-Dec-16	5-Dec-16	-	
2.8.2	Permitting - CD Secondary Clarifiers Plant 2	6-Dec-16	6-Dec-16	-	5-Dec-17	5-Dec-17	-	
2.8.3	Procurement - CD Secondary Clarifiers Plant 2	6-Dec-17	6-Dec-17	-	5-Dec-18	5-Dec-18	-	
2.8.4	Construction Clarifiers 1&2 - CD Secondary Clarifiers Plant 2	6-Dec-18	6-Dec-18	-	18-Nov-19	18-Nov-19	-	
2.8.5	Construction Clarifiers 3&4 - CD Secondary Clarifiers Plant 2	19-Nov-19	19-Nov-19	-	1-Nov-20	1-Nov-20	-	
2.8.6	Construction Clarifiers 5&6 - CD Secondary Clarifiers Plant 2	2-Nov-20	2-Nov-20	-	15-Oct-21	15-Oct-21	-	
2.8.7	Construction Clarifiers 7&8 - CD Secondary Clarifiers Plant 2	16-Oct-21	16-Oct-21	-	28-Sep-22	28-Sep-22	-	
2.8.8	Construction Clarifiers 9&10 - CD Secondary Clarifiers Plant 2	29-Sep-22	29-Sep-22	-	12-Sep-23	12-Sep-23	-	

MDWASD Consent Decree Program
New Requested EPA Interim Milestone Dates
(May 2015 Update)

EPA Interim Milestone ID	Activity Name	Current Start	Requested Start	Start Variance	Current Finish	Requested Finish	Finish Variance	Notes
2.9 Return Sludge PS Plant 1								
2.9.1	Engineering Design - CD Return Sludge PS Plant 1	1-Apr-21	1-Apr-21	-	5-Oct-21	5-Oct-21	-	
2.9.2	Permitting - CD Return Sludge PS Plant 1	6-Oct-21	6-Oct-21	-	5-Oct-22	5-Oct-22	-	
2.9.3	Procurement - CD Return Sludge PS Plant 1	6-Oct-22	6-Oct-22	-	5-Oct-23	5-Oct-23	-	
2.9.4	Construction PS #1 - CD Return Sludge PS Plant 1	6-Oct-23	6-Oct-23	-	17-Sep-24	17-Sep-24	-	
2.9.5	Construction PS #2 - CD Return Sludge PS Plant 1	18-Sep-24	18-Sep-24	-	31-Aug-25	31-Aug-25	-	
2.9.6	Construction PS #3 - CD Return Sludge PS Plant 1	1-Sep-25	1-Sep-25	-	15-Aug-26	15-Aug-26	-	
2.10 Return Sludge PS Plant 2								
2.10.1	Engineering Design - CD Return Sludge PS Plant 2	1-Jan-17	1-Jan-17	-	5-Dec-16	5-Dec-16	-	
2.10.2	Permitting - CD Return Sludge PS Plant 2	6-Dec-16	6-Dec-16	-	5-Dec-17	5-Dec-17	-	
2.10.3	Procurement - CD Return Sludge PS Plant 2	6-Dec-17	6-Dec-17	-	5-Dec-18	5-Dec-18	-	
2.10.4	Construction PS #1 - CD Return Sludge PS Plant 2	6-Dec-18	6-Dec-18	-	18-Nov-19	18-Nov-19	-	
2.10.5	Construction PS #2 - CD Return Sludge PS Plant 2	19-Nov-19	19-Nov-19	-	1-Nov-20	1-Nov-20	-	
2.10.6	Construction PS #3 - CD Return Sludge PS Plant 2	2-Nov-20	2-Nov-20	-	15-Oct-21	15-Oct-21	-	
2.10.7	Construction PS #4 - CD Return Sludge PS Plant 2	16-Oct-21	16-Oct-21	-	28-Sep-22	28-Sep-22	-	
2.10.8	Construction PS #5 - CD Return Sludge PS Plant 2	29-Sep-22	29-Sep-22	-	12-Sep-23	12-Sep-23	-	
2.11 Effluent Pump Station								
2.11.1	Engineering Design - CD Effluent Pump Station	1-Jan-17	1-Jan-17	-	20-Jun-17	20-Jun-17	-	
2.11.2	Permitting - CD Effluent Pump Station	21-Jun-17	21-Jun-17	-	20-Jun-18	20-Jun-18	-	
2.11.3	Procurement - CD Effluent Pump Station	21-Jun-18	21-Jun-18	-	20-Jun-19	20-Jun-19	-	
2.11.4	Construction - CD Effluent Pump Station	21-Jun-19	21-Jun-19	-	9-May-20	9-May-20	-	
2.12 Gravity Sludge Thickeners Plant 1								
2.12.1	Engineering Design - CD Gravity Sludge Thickeners Plant 1	1-Apr-17	1-Apr-17	-	5-Oct-17	5-Oct-17	-	
2.12.2	Permitting - CD Gravity Sludge Thickeners Plant 1	6-Oct-17	6-Oct-17	-	5-Oct-18	5-Oct-18	-	
2.12.3	Procurement - CD Gravity Sludge Thickeners Plant 1	6-Oct-18	6-Oct-18	-	5-Oct-19	5-Oct-19	-	
2.12.4	Construction - CD Gravity Sludge Thickeners Plant 1	6-Oct-19	6-Oct-19	-	23-Apr-21	23-Apr-21	-	
2.13 Gravity Sludge Thickeners Plant 2								
2.13.1	Engineering Design - CD Gravity Sludge Thickeners Plant 2	1-Oct-15	1-Oct-15	-	5-Apr-16	5-Apr-16	-	This is a design-build project. As a result, a modification of start and end dates for permitting are required. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
2.13.2	Permitting - CD Gravity Sludge Thickeners Plant 2	6-Apr-16	6-Apr-17	(365.00)	5-Apr-17	11-Dec-17	(250.00)	
2.13.3	Procurement - CD Gravity Sludge Thickeners Plant 2	6-Apr-17	6-Apr-16	-	5-Apr-18	5-Apr-18	-	
2.13.4	Construction - CD Gravity Sludge Thickeners Plant 2	6-Apr-18	6-Apr-18	-	23-Oct-19	23-Oct-19	-	
2.14 Digesters Plant 1								
2.14.1 Cluster 1								
2.14.1.1	Engineering Design - CD Digesters Plant 1 Cluster 1	1-May-20	1-May-20	-	4-Nov-20	4-Nov-20	-	
2.14.1.2	Permitting - CD Digesters Plant 1 Cluster 1	5-Nov-20	5-Nov-20	-	4-Nov-21	4-Nov-21	-	
2.14.1.3	Procurement - CD Digesters Plant 1 Cluster 1	5-Nov-21	5-Nov-21	-	4-Nov-22	4-Nov-22	-	
2.14.1.4	Construction - CD Digesters Plant 1 Cluster 1	5-Nov-22	5-Nov-22	-	18-Jun-24	18-Jun-24	-	
2.14.2 Cluster 2								
2.14.2.1	Engineering Design - CD Digesters Plant 1 Cluster 2	1-Dec-21	1-Dec-21	-	6-Jun-22	6-Jun-22	-	
2.14.2.2	Permitting - CD Digesters Plant 1 Cluster 2	7-Jun-22	7-Jun-22	-	6-Jun-23	6-Jun-23	-	
2.14.2.3	Procurement - CD Digesters Plant 1 Cluster 2	7-Jun-23	7-Jun-23	-	5-Jun-24	5-Jun-24	-	
2.14.2.4	Construction - CD Digesters Plant 1 Cluster 2	6-Jun-24	6-Jun-24	-	19-Jan-26	19-Jan-26	-	

**MDWASD Consent Decree Program
New Requested EPA Interim Milestone Dates
(May 2015 Update)**

EPA Interim Milestone ID	Activity Name	Current Start	Requested Start	Start Variance	Current Finish	Requested Finish	Finish Variance	Notes
2.15 Digesters Plant 2								
2.15.1 Cluster 1								
2.15.1.1	Engineering Design - CD Digesters Plant 2 Cluster 1	11-Jun-14	11-Jun-14	-	29-Oct-15	29-Oct-15	-	Preliminary engineering design activities were delayed due to the process of procuring a design consultant. Delays in engineering activities is resulting in delays in permitting and procurement. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
2.15.1.2	Permitting - CD Digesters Plant 2 Cluster 1	1-Aug-15	30-Sep-15	(60.00)	27-Jan-16	27-Mar-16	(60.00)	
2.15.1.3	Procurement - CD Digesters Plant 2 Cluster 1	28-Jan-16	28-Mar-16	(60.00)	23-Sep-16	23-Sep-16	-	
2.15.1.4	Construction - CD Digesters Plant 2 Cluster 1	24-Sep-16	24-Sep-16	-	18-Nov-17	18-Nov-17	-	
2.15.2 Cluster 2								
2.15.2.1	Engineering Design - CD Digesters Plant 2 Cluster 2	10-Jan-18	10-Jan-18	-	7-Dec-18	7-Dec-18	-	
2.15.2.2	Permitting - CD Digesters Plant 2 Cluster 2	8-Dec-18	8-Dec-18	-	7-Dec-19	7-Dec-19	-	
2.15.2.3	Procurement - CD Digesters Plant 2 Cluster 2	8-Dec-19	8-Dec-19	-	6-Dec-20	6-Dec-20	-	
2.15.2.4	Construction - CD Digesters Plant 2 Cluster 2	7-Dec-20	7-Dec-20	-	21-Jul-22	21-Jul-22	-	
2.15.3 Cluster 3								
2.15.3.1	Engineering Design - CD Digesters Plant 2 Cluster 3	10-Jul-16	10-Jul-16	-	6-Jun-17	6-Jun-17	-	
2.15.3.2	Permitting - CD Digesters Plant 2 Cluster 3	7-Jun-17	7-Jun-17	-	6-Jun-18	6-Jun-18	-	
2.15.3.3	Procurement - CD Digesters Plant 2 Cluster 3	7-Jun-18	7-Jun-18	-	6-Jun-19	6-Jun-19	-	
2.15.3.4	Construction - CD Digesters Plant 2 Cluster 3	7-Jun-19	7-Jun-19	-	18-Jan-21	18-Jan-21	-	
2.15.4 Cluster 4								
2.15.4.1	Engineering Design - CD Digesters Plant 2 Cluster 4	19-Mar-15	30-Jun-15	-	13-Feb-16	11-Mar-16	(27.00)	Preliminary engineering design activities were delayed due to the process of procuring a design consultant. Delays in engineering activities is resulting in delays in permitting. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
2.15.4.2	Permitting - CD Digesters Plant 2 Cluster 4	14-Feb-16	12-Mar-16	(27.00)	12-Feb-17	12-Feb-17	-	
2.15.4.3	Procurement - CD Digesters Plant 2 Cluster 4	13-Feb-17	13-Feb-17	-	12-Feb-18	12-Feb-18	-	
2.14.4.4	Construction - CD Digesters Plant 2 Cluster 4	13-Feb-18	13-Feb-18	-	28-Sep-19	28-Sep-19	-	
2.16 Dewatering Building								
2.16.1	Engineering Design - CD Dewatering Building	1-Jun-16	1-Jun-16	-	1-Aug-17	1-Aug-17	-	
2.16.2	Permitting - CD Dewatering Building	2-Aug-17	2-Aug-17	-	1-Aug-18	1-Aug-18	-	
2.16.3	Procurement - CD Dewatering Building	2-Aug-18	2-Aug-18	-	1-Aug-19	1-Aug-19	-	
2.16.4	Construction - CD Dewatering Building	2-Aug-19	2-Aug-19	-	7-Aug-21	7-Aug-21	-	
2.17 Chlorination Facilities								
2.17.1	Engineering Design - CD Chlorination Facilities	1-Oct-13	1-Oct-13	-	7-Sep-14	7-Feb-16	-	Preliminary engineering design activities were delayed due to the process of procuring a design consultant. Delays in engineering activities is resulting in delays in permitting and procurement. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
2.17.2	Permitting - CD Chlorination Facilities	8-Sep-14	8-Feb-16	-	7-Sep-15	6-Jun-16	(273.00)	
2.17.3	Procurement - CD Chlorination Facilities	8-Sep-15	8-Feb-16	(153.00)	6-Sep-16	6-Sep-16	-	
2.17.4	Construction - CD Chlorination Facilities	7-Sep-16	7-Sep-16	-	29-Sep-17	29-Sep-17	-	
2.18 Odor Control Systems								
2.18.1	Engineering Design - CD Odor Control Systems	1-Oct-16	1-Oct-16	-	17-Jun-17	17-Jun-17	-	
2.18.2	Permitting - CD Odor Control Systems	18-Jun-17	18-Jun-17	-	17-Jun-18	17-Jun-18	-	
2.18.3	Procurement - CD Odor Control Systems	18-Jun-18	18-Jun-18	-	17-Jun-19	17-Jun-19	-	
2.18.4	Construction - CD Odor Control Systems	18-Jun-19	18-Jun-19	-	9-Jul-20	9-Jul-20	-	
2.19 Co-Gen Improvements								
2.19.1	Engineering Design - CD Co-Gen Improvements	1-May-14	1-May-14	-	17-Aug-15	9-Aug-16	(358.00)	Preliminary engineering design activities were delayed due to the process of procuring a design consultant. Delays in engineering activities is resulting in delays in permitting. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
2.19.2	Permitting - CD Co-Gen Improvements	18-Aug-15	18-Aug-15	-	16-Aug-16	5-Feb-17	(173.00)	
2.19.3	Procurement - CD Co-Gen Improvements	17-Aug-16	17-Aug-16	-	16-Aug-17	16-Aug-17	-	
2.19.4	Construction - CD Co-Gen Improvements	17-Aug-17	17-Aug-17	-	31-Mar-19	31-Mar-19	-	

MDWASD Consent Decree Program
New Requested EPA Interim Milestone Dates
(May 2015 Update)

EPA Interim Milestone ID	Activity Name	Current Start	Requested Start	Start Variance	Current Finish	Requested Finish	Finish Variance	Notes
2.20 Septage Unloading Station								
2.20.1	Engineering Design - CD Septage Unloading Station	1-Nov-18	1-Nov-18	-	9-Aug-19	9-Aug-19	-	
2.20.2	Permitting - CD Septage Unloading Station	10-Aug-19	10-Aug-19	-	8-Aug-20	8-Aug-20	-	
2.20.3	Procurement - CD Septage Unloading Station	9-Aug-20	9-Aug-20	-	8-Aug-21	8-Aug-21	-	
2.20.4	Construction - CD Septage Unloading Station	9-Aug-21	9-Aug-21	-	3-Jun-22	3-Jun-22	-	
2.21 Pump Station No.1								
2.21.1	Engineering Design - CD Pump Station No. 1	1-Oct-16	1-Oct-16	-	5-Feb-17	5-Feb-17	-	
2.21.2	Permitting - CD Pump Station No. 1	6-Feb-17	6-Feb-17	-	5-Feb-18	5-Feb-18	-	
2.21.3	Procurement - CD Pump Station No. 1	6-Feb-18	6-Feb-18	-	5-Feb-19	5-Feb-19	-	
2.21.4	Construction - CD Pump Station No. 1	6-Feb-19	6-Feb-19	-	23-Oct-19	23-Oct-19	-	
2.22 Pump Station No.2								
2.22.1	Engineering Design - CD Pump Station No. 2	1-Oct-14	1-Mar-15	-	5-Feb-15	13-Mar-16	-	Preliminary engineering design activities were delayed due to the process of procuring a design consultant. Delays in engineering activities is resulting in delays in permitting and procurement. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
2.22.2	Permitting - CD Pump Station No. 2	6-Feb-15	6-Feb-15	-	5-Feb-16	9-Oct-16	(247.00)	
2.22.3	Procurement - CD Pump Station No. 2	6-Feb-16	2-Jul-16	(147.00)	4-Feb-17	4-Feb-17	-	
2.22.4	Construction - CD Pump Station No. 2	5-Feb-17	5-Feb-17	-	22-Oct-17	22-Oct-17	-	
2.23 O2 Plant Process Controls Phase 2								
2.23.1	Engineering Design - CD O2 Plant Process Controls Phase 2	1-Oct-13	1-Oct-13	-	2-Feb-14	2-Feb-14	-	
2.23.2	Permitting - CD O2 Plant Process Controls Phase 2	3-Feb-14	3-Feb-14	-	2-Feb-15	2-Feb-15	-	
2.23.3	Procurement - CD O2 Plant Process Controls Phase 2	3-Feb-15	3-Feb-15	-	2-Feb-16	2-Feb-16	-	
2.23.4	Construction - CD O2 Plant Process Controls Phase 2	3-Feb-16	3-Feb-16	-	9-Mar-17	9-Mar-17	-	
2.24 Gas Monitoring and Alarms								
2.24.1	Engineering Design - CD Gas Monitoring and Alarms	1-Jan-15	1-Jan-15	-	4-Mar-15	22-Oct-15	-	Preliminary engineering design activities were delayed due to the process of procuring a design consultant. Delays in engineering activities is resulting in delays in permitting and procurement. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
2.24.2	Permitting - CD Gas Monitoring and Alarms	5-Mar-15	23-Oct-15	-	3-Mar-16	19-Apr-16	(47.00)	
2.24.3	Procurement - CD Gas Monitoring and Alarms	4-Mar-16	20-Apr-16	(47.00)	3-Mar-17	3-Mar-17	-	
2.24.4	Construction - CD Gas Monitoring and Alarms	4-Mar-17	4-Mar-17	-	19-Sep-17	19-Sep-17	-	
2.25 Ventilation Improvements								
2.25.1	Engineering Design - CD Ventilation Improvements	1-Jan-21	1-Jan-21	-	7-Jul-21	7-Jul-21	-	
2.25.2	Permitting - CD Ventilation Improvements	8-Jul-21	8-Jul-21	-	7-Jul-22	7-Jul-22	-	
2.25.3	Procurement - CD Ventilation Improvements	8-Jul-22	8-Jul-22	-	7-Jul-23	7-Jul-23	-	
2.25.4	Construction - CD Ventilation Improvements	8-Jul-23	8-Jul-23	-	27-Feb-25	27-Feb-25	-	
2.26 Rehabilitation of Walkways and Stairways								
2.26.1	Construction - CD Rehab of Walkways & Stairways	1-Oct-13	1-Oct-13	-	27-Sep-27	27-Sep-27	-	
2.27 Oxygen Production								
2.27.1	Engineering Design - CD Oxygen Production	1-Jan-15	1-Jan-15	-	31-Dec-15	6-Sep-16	(250.00)	Preliminary engineering design activities were delayed due to the process of procuring a design consultant. Delays in engineering activities is resulting in delays in permitting and procurement. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
2.27.2	Permitting - CD Oxygen Production	1-Jan-16	7-Sep-16	(250.00)	30-Dec-16	5-Mar-17	(65.00)	
2.27.3	Procurement - CD Oxygen Production	31-Dec-16	6-Mar-17	(65.00)	30-Dec-17	30-Dec-17	-	
2.27.4	Construction - CD Oxygen Production	31-Dec-17	31-Dec-17	-	30-Dec-19	30-Dec-19	-	
2.28 SCADA RTU Upgrades								
2.28.1	Construction - CD SCADA RTU Upgrades	1-Oct-13	1-Oct-13	-	29-Mar-14	29-Mar-14	-	
2.29 High Strength Influent Impact Study								
2.29.1	Engineering Study - CD High Strength Influent Study Impact	12-Feb-13	12-Feb-13	-	24-Jun-14	24-Jun-14	-	

MDWASD Consent Decree Program
New Requested EPA Interim Milestone Dates
(May 2015 Update)

EPA Interim Milestone ID	Activity Name	Current Start	Requested Start	Start Variance	Current Finish	Requested Finish	Finish Variance	Notes
3. North District WWTP								
3.1 Headworks and Sludge Degritting & Transfer								
3.1.1	Engineering Design - ND Headworks & Sludge Degritting	20-Mar-13	20-Mar-13	-	19-Sep-14	19-Sep-14	-	Preliminary engineering design activities were delayed due to the process of procuring a design consultant. Therefore, dates for downstream activities were affected. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
3.1.2	Permitting - ND Headworks & Sludge Degritting	11-Jul-14	11-Jul-14	-	5-Sep-15	5-Sep-15	-	
3.1.3	Procurement - ND Headworks & Sludge Degritting	1-Oct-14	16-Feb-15	-	27-Sep-15	3-Dec-15	(67.00)	
3.1.4	Construction Phase 1: Screens - ND Headworks & Sludge Degritting	1-Oct-15	23-Dec-15	(83.00)	23-Dec-16	23-Dec-16	-	
3.1.5	Construction Phase 2: Building Improvements - ND Headworks & Sludge Degritting	1-Oct-15	4-Dec-15	(64.00)	7-Apr-18	7-Apr-18	-	
3.2 Primary Clarifiers and Odor Control								
3.2.1	Engineering Design - ND Primary Clarifiers & Odor Control	1-Nov-15	1-Nov-15	-	2-Jun-16	9-Mar-17	(280.00)	Preliminary engineering design activities were delayed due to the process of procuring a design consultant. Delays in engineering activities is resulting in delays in permitting and procurement. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
3.2.2	Permitting - ND Primary Clarifiers & Odor Control	3-Jun-16	10-Mar-17	(280.00)	2-Jun-17	5-Sep-17	(95.00)	
3.2.3	Procurement - ND Primary Clarifiers & Odor Control	3-Jun-17	6-Sep-17	(95.00)	2-Jun-18	2-Jun-18	-	
3.3.4	Construction - ND Primary Clarifiers & Odor Control	3-Jun-18	3-Jun-18	-	18-Apr-21	18-Apr-21	-	
3.3 Oxygenation Trains								
3.3.1	Engineering Design - ND Oxygenation Trains	1-Jan-19	1-Jan-19	-	14-Oct-19	14-Oct-19	-	
3.3.2	Permitting - ND Oxygenation Trains	15-Oct-19	15-Oct-19	-	13-Oct-20	13-Oct-20	-	
3.3.3	Procurement - ND Oxygenation Trains	14-Oct-20	14-Oct-20	-	13-Oct-21	13-Oct-21	-	
3.3.4	Construction - ND Oxygenation Trains	14-Oct-21	14-Oct-21	-	17-Jan-24	17-Jan-24	-	
3.4 Oxygen Production								
3.4.1	Engineering Design - ND Oxygen Production	1-Apr-20	1-Apr-20	-	17-Dec-20	17-Dec-20	-	
3.4.2	Permitting - ND Oxygen Production	18-Dec-20	18-Dec-20	-	17-Dec-21	17-Dec-21	-	
3.4.3	Procurement - ND Oxygen Production	18-Dec-21	18-Dec-21	-	17-Dec-22	17-Dec-22	-	
3.4.4	Construction - ND Oxygen Production	18-Dec-22	18-Dec-22	-	12-Jan-24	12-Jan-24	-	
3.5 Secondary Clarifiers								
3.5.1	Engineering Design - ND Secondary Clarifiers	1-Dec-18	1-Dec-18	-	6-Feb-20	12-Nov-20	(280.00)	Preliminary engineering design activities were delayed due to the process of procuring a design consultant. Delays in engineering activities is resulting in delays in permitting. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
3.5.2	Permitting - ND Secondary Clarifiers	7-Feb-20	13-Nov-20	(280.00)	5-Feb-21	11-May-21	(95.00)	
3.5.3	Procurement - ND Secondary Clarifiers	6-Feb-21	6-Feb-21	-	5-Feb-22	5-Feb-22	-	
3.5.4	Construction - ND Secondary Clarifiers	6-Feb-22	6-Feb-22	-	24-Aug-27	24-Aug-27	-	
3.6 Disinfection								
3.6.1	Engineering Design - ND Disinfection	1-Feb-17	1-Feb-17	-	6-Apr-17	6-Apr-17	-	
3.6.2	Permitting - ND Disinfection	7-Apr-17	7-Apr-17	-	6-Apr-18	6-Apr-18	-	
3.6.3	Procurement - ND Disinfection	7-Apr-18	7-Apr-18	-	6-Apr-19	6-Apr-19	-	
3.6.4	Construction - ND Disinfection	7-Apr-19	7-Apr-19	-	9-Sep-20	9-Sep-20	-	
3.7 Effluent Disposal								
3.7.1	Engineering Design - ND Effluent Disposal	1-Dec-15	1-Dec-15	-	12-Sep-16	12-Sep-16	-	Preliminary engineering design activities were delayed due to the process of procuring a design consultant. Therefore, dates for downstream activities were affected. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
3.7.2	Permitting - ND Effluent Disposal	13-Sep-16	13-Sep-16	-	12-Sep-17	27-Dec-19	(836.00)	
3.7.3	Procurement - ND Effluent Disposal	13-Sep-17	13-Sep-17	-	12-Sep-18	7-May-20	(603.00)	
3.7.4	Construction - ND Effluent Disposal	13-Sep-18	8-May-20	(603.00)	28-Dec-21	28-Dec-21	-	
3.8 Plant Wide Electrical								
3.8.1	Engineering Design - ND Plant Wide Electrical	21-Apr-14	21-Apr-14	-	20-Jan-17	20-Jan-17	-	
3.8.2	Permitting - ND Plant Wide Electrical	21-Jan-17	21-Jan-17	-	20-Jan-18	20-Jan-18	-	
3.8.3	Procurement - ND Plant Wide Electrical	21-Jan-18	21-Jan-18	-	20-Jan-19	20-Jan-19	-	
3.8.4	Construction - ND Plant Wide Electrical	21-Jan-19	21-Jan-19	-	20-Aug-22	20-Aug-22	-	

MDWASD Consent Decree Program
New Requested EPA Interim Milestone Dates
(May 2015 Update)

EPA Interim Milestone ID	Activity Name	Current Start	Requested Start	Start Variance	Current Finish	Requested Finish	Finish Variance	Notes
3.9 Flood Mitigation								
3.9.1	Engineering Design - ND Flood Mitigation	21-Apr-14	21-Apr-14	-	30-May-15	30-May-15	-	
3.9.2	Permitting - ND Flood Mitigation	27-Nov-14	31-May-15	-	26-Nov-15	26-Nov-15	-	
3.9.3	Procurement - ND Flood Mitigation	27-Nov-15	27-Nov-15	-	25-Nov-16	25-Nov-16	-	
3.9.4	Construction - ND Flood Mitigation	26-Nov-16	26-Nov-16	-	13-Aug-17	13-Aug-17	-	
3.10 Yard Piping Replacement								
3.10.1	Engineering Design - ND Yard Piping Replacement	1-Nov-15	10-Apr-16	(161.00)	9-Oct-16	16-Jul-17	(280.00)	Preliminary engineering design activities were delayed due to the process of procuring a design consultant. Delays in engineering activities is resulting in delays in permitting and procurement. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
3.10.2	Permitting - ND Yard Piping Replacement	10-Oct-16	17-Jul-17	(280.00)	9-Oct-17	12-Jan-18	(95.00)	
3.10.3	Procurement - ND Yard Piping Replacement	10-Oct-17	13-Jan-18	(95.00)	9-Oct-18	9-Oct-18	-	
3.10.4	Construction - ND Yard Piping Replacement	10-Oct-18	10-Oct-18	-	4-Dec-21	4-Dec-21	-	
3.11 SCADA RTU Upgrades								
3.11.1	Construction - ND SCADA RTU Upgrades	1-Oct-13	1-Oct-13	-	24-Mar-15	24-Mar-15	-	
4. Wastewater Collection & Transmission Line								
4.1 Collection System I/I Repairs								
4.1.1	Construction - Collection System I/I Repair	1-Oct-13	1-Oct-13	-	27-Sep-27	27-Sep-27	-	
4.2 Government Cut FM - Phase 1&2								
4.2.1	Construction - Government Cut FM Phase 1 & 2	1-Oct-12	1-Oct-12	-	30-Sep-13	30-Sep-13	-	
4.3 Government Cut FM - Phase 3								
4.3.1	Engineering Design (DCP) - Government Cut FM Phase 3	30-Jan-13	30-Jan-13	-	22-Jan-14	22-Jan-14	-	
4.3.2	Permitting - Government Cut FM Phase 3	14-Jul-14	14-Jul-14	-	10-Dec-14	12-Jun-16	-	
4.3.3	Procurement - Government Cut FM Phase 3	8-May-14	8-May-14	-	7-May-15	7-May-15	-	
4.3.4	Construction - Government Cut FM Phase 3	8-May-15	8-May-15	-	8-Apr-17	8-Apr-17	-	
4.4 North Dade 72 inch PCCP FM Rehabilitation								
4.4.1	Engineering Design (DCP) - North Dade 72" PCCP FM Rehab	1-Oct-13	1-Oct-13	-	6-Mar-14	6-Mar-14	-	This is a design-build project. Validation of design and construction schedule resulted in delays in construction start dates. Completion of construction is currently anticipated to finish ahead of CD compliance date.
4.4.2	Permitting - North Dade 72" PCCP FM Rehab	4-Oct-14	7-Jul-16	-	6-Mar-15	8-Jul-17	-	
4.4.3	Procurement - North Dade 72" PCCP FM Rehab	7-Mar-15	7-Mar-15	-	5-Mar-16	5-Mar-16	-	
4.4.4	Construction - North Dade 72" PCCP FM Rehab	6-Mar-16	9-Jul-17	(490.00)	5-Mar-18	5-Mar-18	-	
4.5 South Dade 54 inch PCCP FM Rehabilitation								
4.5.1	Engineering Design - South Dade 54" PCCP FM Rehab	5-Aug-14	5-Aug-14	-	20-Feb-15	15-Oct-15	-	Preliminary engineering design activities were delayed due to the process of procuring a design consultant. Therefore, dates for downstream activities were affected. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
4.5.2	Permitting - South Dade 54" PCCP FM Rehab	4-Jan-16	4-Jan-16	-	2-Jan-17	2-Jan-17	-	
4.5.3	Procurement - South Dade 54" PCCP FM Rehab	7-Apr-15	18-Apr-16	-	5-Apr-16	14-Oct-16	(192.00)	
4.5.4	Construction - South Dade 54" PCCP FM Rehab	6-Apr-16	15-Oct-16	(192.00)	27-Nov-17	27-Nov-17	-	
4.6 Replacement of Tamiami Canal Aerial Crossing FM's at NW 37 Ave								
4.6.1	Engineering Design - Replace Tamiami Canal/NW 37 Ave Crossing	1-Oct-13	1-Oct-13	-	2-Jan-14	2-Jan-14	-	
4.6.2	Permitting - Replace Tamiami Canal/NW 37 Ave Crossing	3-Jan-14	3-Jan-14	-	2-Jan-15	2-Jan-15	-	
4.6.3	Procurement - Replace Tamiami Canal/NW 37 Ave Crossing	3-Jan-15	3-Jan-15	-	2-Jan-16	2-Jan-16	-	
4.6.4	Construction - Replace Tamiami Canal/NW 37 Ave Crossing	3-Jan-16	3-Jan-16	-	29-Oct-16	29-Oct-16	-	
4.7 Replacement of 18 inch DIP FM in Miami Lakes								
4.7.1	Engineering Design - Replace 18" DIP FM in Miami Lakes	1-Nov-13	1-Nov-13	-	8-May-14	8-May-14	-	
4.7.2	Permitting - Replace 18" DIP FM in Miami Lakes	9-Jun-14	9-Jun-14	-	5-Mar-15	5-Mar-15	-	
4.7.3	Procurement - Replace 18" DIP FM in Miami Lakes	6-Mar-15	6-Mar-15	-	4-Mar-16	4-Mar-16	-	
4.7.4	Construction - Replace 18" DIP FM in Miami Lakes	5-Mar-16	5-Mar-16	-	9-Apr-17	9-Apr-17	-	

**MDWASD Consent Decree Program
New Requested EPA Interim Milestone Dates
(May 2015 Update)**

EPA Interim Milestone ID	Activity Name	Current Start	Requested Start	Start Variance	Current Finish	Requested Finish	Finish Variance	Notes
4.8 Rehabilitation of 54 inch PCCP FM in the City								
4.8.1	Engineering Design (DCP) - Rehab 54" PCCP FM in the City	6-Oct-14	16-Feb-15	-	3-Apr-15	11-Nov-15	-	Preliminary engineering design activities were delayed due to the process of procuring a design consultant. Therefore, dates for downstream activities were affected. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
4.8.2	Permitting - Rehab 54" PCCP FM in the City	4-Apr-15	12-Nov-15	-	29-Dec-15	29-Dec-15	-	
4.8.3	Procurement - Rehab 54" PCCP FM in the City	6-Mar-15	22-Dec-15	-	4-Mar-16	19-Apr-16	(46.00)	
4.8.4	Construction - Rehab 54" PCCP FM in the City	5-Mar-16	20-Apr-16	(46.00)	9-Apr-17	9-Apr-17	-	
4.9 Replace Approximately 30 miles of AC FM Transmission System								
4.9.1	Engineering Design - Replace ~30 miles of AC FM Trans System	1-Nov-13	1-Nov-13	-	9-Oct-14	16-Jan-18	-	This is a summary activity and consists of several different projects spaced out with differing engineering design phases. As a result, the end dates for downstream activities of the later projects require modification. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
4.9.2	Permitting - Replace ~30 miles of AC FM Trans System	10-Oct-14	10-Oct-14	-	9-Oct-15	12-Nov-18	(1,130.00)	
4.9.3	Procurement - Replace ~30 miles of AC FM Trans System	10-Oct-15	10-Oct-15	-	8-Oct-16	11-Apr-19	(915.00)	
4.9.4	Construction - Replace ~30 miles of AC FM Trans System	9-Oct-16	9-Oct-16	-	8-Oct-19	8-Oct-19	-	
4.10 Opa-Locka Airport 48" PCCP Force Main Replacement								
4.10.1	Engineering Design - Replace 48" PCCP FM @ Opa-Locka Airport	6-Oct-14	17-Dec-14	-	23-Apr-15	27-Dec-15	-	Preliminary engineering design activities were delayed due to the process of procuring a design consultant. This is a design-build project, delays in procurement resulted in a delay in permitting and downstream activities. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
4.10.2	Permitting - Replace 48" PCCP FM @ Opa-Locka Airport	29-Jul-14	24-May-16	-	28-Jul-15	23-Jul-16	(361.00)	
4.10.3	Procurement - Replace 48" PCCP FM @ Opa-Locka Airport	29-Jul-15	24-Jul-16	(361.00)	27-Jul-16	22-Oct-16	(87.00)	
4.10.4	Construction - Replace 48" PCCP FM @ Opa-Locka Airport	28-Jul-16	23-Oct-16	(87.00)	28-Jan-18	28-Jan-18	-	
5. Sewer Pump Station System								
5.1 Upgrade of PS#0418								
5.1.1	Engineering Design - Upgrade PS#0418	1-Nov-13	1-Nov-13	-	6-Jun-14	6-Jun-14	-	
5.1.2	Permitting - Upgrade PS#0418	14-Jul-14	14-Jul-14	-	17-Jun-15	1-Sep-15	-	
5.1.3	Procurement - Upgrade PS#0418	7-Jun-15	2-Sep-15	-	5-Jun-16	5-Jun-16	-	
5.1.4	Construction - Upgrade PS#0418	6-Jun-16	6-Jun-16	-	24-Nov-18	24-Nov-18	-	
5.2 Upgrade of PS#0691								
5.2.1	Engineering Design - Upgrade PS#0691	7-Oct-14	26-Nov-14	-	19-Aug-15	9-Sep-16	(387.00)	Preliminary engineering design activities were delayed due to the process of procuring a design consultant. This is a design-build project, delays in procurement resulted in a delay in permitting and downstream activities. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
5.2.2	Permitting - Upgrade PS#0691	10-Aug-14	10-Sep-16	-	9-Aug-15	8-Mar-17	(577.00)	
5.2.3	Procurement - Upgrade PS#0691	10-Aug-15	9-Mar-17	(577.00)	8-Aug-16	3-Dec-17	(482.00)	
5.2.4	Construction - Upgrade PS#0691	9-Aug-16	4-Dec-17	(482.00)	27-Jan-19	27-Jan-19	-	
5.3 Upgrade of PS#0692								
5.3.1	Engineering Design - Upgrade PS#0692	7-Oct-14	26-Nov-14	-	15-May-15	5-Jan-16	-	Preliminary engineering design activities were delayed due to the process of procuring a design consultant. This is a design-build project, delays in procurement resulted in a delay in permitting and downstream activities. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
5.3.2	Permitting - Upgrade PS#0692	10-Aug-14	22-Jun-16	-	9-Aug-15	8-Nov-16	(457.00)	
5.3.3	Procurement - Upgrade PS#0692	10-Aug-15	9-Nov-16	(457.00)	8-Aug-16	5-Aug-17	(362.00)	
5.3.4	Construction - Upgrade PS#0692	9-Aug-16	6-Aug-17	(362.00)	27-Jan-19	27-Jan-19	-	
5.4 Replacement of Switchgear PS#0414								
5.4.1	Engineering Design - PS#0414	7-Oct-14	24-Jan-15	-	13-May-15	5-Mar-16	-	Preliminary engineering design activities were delayed due to the process of procuring a design consultant. Therefore, dates for downstream activities were affected. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
5.4.2	Permitting - PS#0414	14-May-15	20-Apr-16	-	12-May-16	6-Sep-16	(117.00)	
5.4.3	Procurement - PS#0414	8-Jun-15	7-Sep-16	-	6-Jun-16	5-Mar-17	(272.00)	
5.4.4	Construction - PS#0414	7-Jun-16	6-Mar-17	(272.00)	9-May-18	9-May-18	-	

MDWASD Consent Decree Program
New Requested EPA Interim Milestone Dates
(May 2015 Update)

EPA Interim Milestone ID	Activity Name	Current Start	Requested Start	Start Variance	Current Finish	Requested Finish	Finish Variance	Notes
5.5 Replacement of Switchgear and Rehabilitation of Wetwell PS#0415								
5.5.1	Engineering Design - PS#0415	7-Oct-14	24-Jan-15	-	15-Jul-15	24-Apr-16	(284.00)	Preliminary engineering design activities were delayed due to the process of procuring a design consultant. Therefore, dates for downstream activities were affected. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
5.5.2	Permitting - PS#0415	10-Aug-14	25-Apr-16	-	9-Aug-15	21-Oct-16	(439.00)	
5.5.3	Procurement - PS#0415	10-Aug-15	22-Oct-16	(439.00)	8-Aug-16	19-Apr-17	(254.00)	
5.5.4	Construction - PS#0415	9-Aug-16	20-Apr-17	(254.00)	27-Jan-19	27-Jan-19	-	
5.6 Replacement of Switchgear PS#0416								
5.6.1	Engineering Design - PS#0416	7-Oct-14	24-Jan-15	-	13-May-15	-	-	Preliminary engineering design activities were delayed due to the process of procuring a design consultant. Therefore, dates for downstream activities were affected. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
5.6.2	Permitting - PS#0416	14-May-15	31-Mar-16	-	12-May-16	28-Jul-16	(77.00)	
5.6.3	Procurement - PS#0416	8-Jun-15	29-Jul-16	-	6-Jun-16	24-Jan-17	(232.00)	
5.6.4	Construction - PS#0416	7-Jun-16	25-Jan-17	(232.00)	9-May-18	9-May-18	-	
5.7 Replacement of Switchgear and Rehabilitation of Wetwell PS#0417								
5.7.1	Engineering Design - PS#0417	7-Oct-14	24-Jan-15	-	15-Jul-15	16-Apr-16	(276.00)	Preliminary engineering design activities were delayed due to the process of procuring a design consultant. Therefore, dates for downstream activities were affected. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
5.7.2	Permitting - PS#0417	10-Aug-14	21-Jun-16	-	9-Aug-15	18-Oct-16	(436.00)	
5.7.3	Procurement - PS#0417	10-Aug-15	19-Oct-16	(436.00)	8-Aug-16	16-Apr-17	(251.00)	
5.7.4	Construction - PS#0417	9-Aug-16	17-Apr-17	(251.00)	27-Jan-19	27-Jan-19	-	
5.8 Replacement of Electrical and Mechanical Equipment in PS#0107								
5.8.1	Engineering Design - PS#0107	7-Oct-14	15-Apr-16	-	15-Jul-15	9-Sep-16	(422.00)	Preliminary engineering design activities were delayed due to the process of procuring a design consultant. Therefore, dates for downstream activities were affected. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
5.8.2	Permitting - PS#0107	10-Aug-14	10-Sep-16	-	9-Aug-15	8-Mar-17	(577.00)	
5.8.3	Procurement - PS#0107	10-Aug-15	9-Mar-17	(577.00)	8-Aug-16	3-Dec-17	(482.00)	
5.8.4	Construction - PS#0107	9-Aug-16	4-Dec-17	(482.00)	27-Jan-19	27-Jan-19	-	
5.9 Replacement of Pumping and Electrical Equipment at PS#0301								
5.9.1	Engineering Design - PS#0301	7-Oct-14	20-Nov-14	-	13-May-15	8-Jan-16	-	Preliminary engineering design activities were delayed due to the process of procuring a design consultant. Therefore, dates for downstream activities were affected. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
5.9.2	Permitting - PS#0301	14-May-15	9-Jan-16	-	12-May-16	12-May-16	-	
5.9.3	Procurement - PS#0301	8-Jun-15	8-May-16	-	6-Jun-16	3-Nov-16	(150.00)	
5.9.4	Construction - PS#0301	7-Jun-16	4-Nov-16	(150.00)	9-May-18	9-May-18	-	
5.10 Upgrade of PS#0488								
5.10.1	Engineering Design - Upgrade PS#0488	7-Oct-14	16-Feb-15	-	13-May-15	21-Dec-15	-	Preliminary engineering design activities were delayed due to the process of procuring a design consultant. Therefore, dates for downstream activities were affected. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
5.10.2	Permitting - Upgrade PS#0488	14-May-15	22-Dec-15	-	12-May-16	18-Jun-16	(37.00)	
5.10.3	Procurement - Upgrade PS#0488	8-Jun-15	19-Jun-16	-	6-Jun-16	15-Mar-17	(282.00)	
5.10.4	Construction - Upgrade PS#0488	7-Jun-16	16-Mar-17	(282.00)	9-May-18	9-May-18	-	
5.11 Installation of 60 inch FM from Kendall Dr to PS#0536								
5.11.1	Engineering Design (DCP) - Install 60" FM from Kendal Dr. to PS#0536	7-Oct-14	17-Dec-14	-	13-May-15	23-Mar-16	-	Preliminary engineering design activities were delayed due to the process of procuring a design consultant. Therefore, dates for downstream activities were affected. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
5.11.2	Permitting - Install 60" FM from Kendal Dr. to PS#0536	14-May-15	24-Mar-16	-	12-May-16	21-Jul-16	(70.00)	
5.11.3	Procurement - Install 60" FM from Kendal Dr. to PS#0536	8-Jun-15	22-Jul-16	-	6-Jun-16	17-Jan-17	(225.00)	
5.11.4	Construction - Install 60" FM from Kendal Dr. to PS#0536	7-Jun-16	18-Jan-17	(225.00)	9-May-18	9-May-18	-	
5.12 Replacement of Switchgear at PS#0187								
5.12.1	Engineering Design - Replace S/G at PS#0187	7-Oct-14	1-Feb-15	-	13-May-15	25-Nov-15	-	Preliminary engineering design activities were delayed due to the process of procuring a design consultant. Therefore, dates for downstream activities were affected. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
5.12.2	Permitting - Replace S/G at PS#0187	14-May-15	26-Nov-15	-	12-May-16	23-May-16	(11.00)	
5.12.3	Procurement - Replace S/G at PS#0187	8-Jun-15	24-May-16	-	6-Jun-16	19-Nov-16	(166.00)	
5.12.4	Construction - Replace S/G at PS#0187	7-Jun-16	20-Nov-16	(166.00)	9-May-18	9-May-18	-	

**MDWASD Consent Decree Program
New Requested EPA Interim Milestone Dates
(May 2015 Update)**

EPA Interim Milestone ID	Activity Name	Current Start	Requested Start	Start Variance	Current Finish	Requested Finish	Finish Variance	Notes
5.13 Refurbish Emergency Generators and Controls at Regional Pump Stations								
5.13.1	Engineering Design (N/A) - Refurbish Emer Gen Controls at Pumpstations	2-Sep-14	12-Sep-14	-	10-Dec-14	26-Mar-15	-	Emergency generator refurbishments are being performed by turnkey vendors. Engineering activities started later than originally scheduled, therefore end date for procurement needs modification. Completion of construction is currently anticipated to finish ahead of the CD compliance date.
5.13.2	Permitting (N/A) - Refurbish Emer Gen Controls at Pumpstations	11-Dec-14	11-Dec-14	-	9-Apr-15	9-Apr-15	-	
5.13.3	Procurement - Refurbish Emer Gen Controls at Pumpstations	3-Jan-15	3-Jan-15	-	2-Jan-16	22-Jun-16	(172.00)	
5.13.4	Construction - Refurbish Emer Gen Controls at Pumpstations	3-Jan-16	3-Jan-16	-	20-Jul-16	20-Jul-16	-	
5.14 Upgrade of PS#0086, 0492								
5.14.1	Procurement - Upgrade PS#0086, 0492	8-Oct-12	8-Oct-12	-	5-Apr-13	5-Apr-13	-	
5.14.2	Construction - Upgrade PS#0086, 0492	6-Apr-13	6-Apr-13	-	31-Dec-13	31-Dec-13	-	
5.15 Upgrade of PS#0065, 0201, 0334, 0374, 0607								
5.15.1	Engineering Design - Upgrade PS#0065, 0201, 0334, 0374, 0607	1-Jan-14	1-Jan-14	-	10-Jul-14	10-Jul-14	-	
5.15.2	Permitting - Upgrade PS#0065, 0201, 0334, 0374, 0607	10-Jul-14	10-Jul-14	-	8-Oct-14	8-Oct-14	-	
5.15.3	Procurement - Upgrade PS#0065, 0201, 0334, 0374, 0607	8-Oct-14	8-Oct-14	-	6-Apr-15	6-Apr-15	-	
5.15.4	Construction - Upgrade PS#0065, 0201, 0334, 0374, 0607	6-Apr-15	6-Apr-15	-	31-Dec-15	31-Dec-15	-	
5.16 Upgrade of PS#0198, 0437, 0466, 0680								
5.16.1	Engineering Design - Upgrade PS#0198, 0437, 0466, 0680	2-Jan-15	2-Jan-15	-	10-Jul-15	6-Sep-15	(58.00)	Preliminary engineering design activities were delayed due to the process of procuring a design consultant. Therefore, dates for downstream activities were affected. Overlapping/expediting of interim activities planned to complete project in accordance with the final CD milestone date.
5.16.2	Permitting - Upgrade PS#0198, 0437, 0466, 0680	11-Jul-15	7-Sep-15	(58.00)	8-Oct-15	5-Dec-15	(58.00)	
5.16.3	Procurement - Upgrade PS#0198, 0437, 0466, 0680	9-Oct-15	6-Dec-15	(58.00)	5-Apr-16	2-Jun-16	(58.00)	
5.16.4	Construction - Upgrade PS#0198, 0437, 0466, 0680	6-Apr-16	3-Jun-16	(58.00)	31-Dec-16	31-Dec-16	-	
5.17 Upgrade of PS#0037, 0351, 0370, 0403								
5.17.1	Engineering Design - Upgrade PS#0037, 0351, 0370, 0403	2-Jan-16	2-Jan-16	-	9-Jul-16	9-Jul-16	-	
5.17.2	Permitting - Upgrade PS#0037, 0351, 0370, 0403	10-Jul-16	10-Jul-16	-	7-Oct-16	7-Oct-16	-	
5.17.3	Procurement - Upgrade PS#0037, 0351, 0370, 0403	8-Oct-16	8-Oct-16	-	5-Apr-17	5-Apr-17	-	
5.17.4	Construction - Upgrade PS#0037, 0351, 0370, 0403	6-Apr-17	6-Apr-17	-	31-Dec-17	31-Dec-17	-	
5.18 Upgrade of PS#0441, 0491, 0710, 0827, 0852, 1236								
5.18.1	Engineering Design - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236	1-Jan-17	1-Jan-17	-	9-Jul-17	9-Jul-17	-	
5.18.2	Permitting - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236	10-Jul-17	10-Jul-17	-	7-Oct-17	7-Oct-17	-	
5.18.3	Procurement - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236	8-Oct-17	8-Oct-17	-	5-Apr-18	5-Apr-18	-	
5.18.4	Construction - Upgrade PS#0441, 0491, 0710, 0827, 0852, 1236	6-Apr-18	6-Apr-18	-	31-Dec-18	31-Dec-18	-	
5.19 SCADA RTU Upgrades								
5.19.1	Construction - PS SCADA RTU Upgrades	1-Oct-13	1-Oct-13	-	18-Mar-16	18-Mar-16	-	