



miamidade.gov

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

**VIA ELECTRONIC CORRESPONDENCE**

October 31, 2022

CCN: 64561  
File No: 8.DC.20.32

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

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

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

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

**RE: Consent Decree (Case: No. 1:12-cv-24400-FAM),  
Reference DOJ Case No. 90-5-1-1-4022/1,  
Section IX – Reporting Requirements, Paragraph 32 – Quarterly Reports – 2022  
Quarterly Report No. 3**

Dear Sir or Madam:

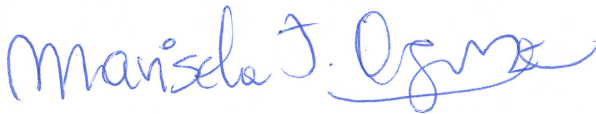
In accordance with the provisions of Paragraph 32 of the above referenced Consent Decree, on behalf of Miami-Dade County, the Water and Sewer Department (WASD) submits to the Environmental Protection Agency (EPA) and the State of Florida Department of Environmental Protection (FDEP) the 2022 Quarterly Report No. 3. The 2022 Quarterly Report No. 3 covers the period from July 1, 2022, to September 30, 2022.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or

persons who manage the system, or those persons directly responsible for gathering such information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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

Sincerely,



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

Attachment: 2022 Quarterly Report No. 3

ec: Anita Patel  
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Madame Mayor Daniella Levine-Cava  
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Atlanta, Georgia 30303  
[Schwartz.Paul@epa.gov](mailto:Schwartz.Paul@epa.gov)



## **2022 Quarterly Report No. 3**

(Thirty-second Quarterly Report)

**July 1, 2022 through September 30, 2022**

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Prepared for

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

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

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Prepared by

**Miami-Dade County, Miami-Dade Water and Sewer Department**

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## 2022 Quarterly Report No. 3

### 1.0 Purpose

On April 9, 2014, Miami-Dade County (County) entered into a Consent Decree (CD) with the United States of America (United States), the State of Florida Department of Environmental Protection, and the State of Florida. The Consent Decree was lodged on June 6, 2013 and became effective on December 6, 2013. This document satisfies the requirements of Section IX, Paragraph 32 for submittal of the 2022 Quarterly Report No. 3 on or before October 31, 2022.

### 2.0 Requirements

Section IX, Paragraph 32 of the CD states: “Beginning one (1) month after the first Calendar Quarter following the Effective Date of this Consent Decree, and one (1) month after each Calendar Quarter thereafter until termination of the Consent Decree, Miami-Dade shall submit to EPA and FDEP for review and comment a Quarterly Report. Such Quarterly Report shall include the date, time, location, source, estimated duration, estimated volume, receiving water (if any) and cause of all SSOs occurring in the previous Calendar Quarter.” Section IV, Paragraph 8(ii) of the CD defines an SSO as any discharge of wastewater to waters of the United States or the State from Miami-Dade’s Wastewater Collection and Transmission System (WCTS) through a point source not permitted in any NPDES permit, as well as any overflow, spill, or release of wastewater to public or private property from the WCTS that may not have reached waters of the United States or the State, including all Building Backups – wastewater backups or releases caused by blockages, flow conditions or other malfunctions of a Private Lateral are not considered as Building Backups.”

### 3.0 Sanitary Sewer Overflow Events

This quarterly report contains additional information on how the Sanitary Sewer Overflow (SSO) was resolved, including the immediate fix and any proposed long-term solution. While not specifically required by the Consent Decree, the United States Environmental Protection Agency (EPA) has requested that the County provide this additional information to aid them in preparing the United States’ Semi-Annual Status Report to the United States District Court, Southern District of Florida, Miami Division.

The County shall not be held liable for stipulated penalties under Section X, Paragraph 42(vi) of the CD if the County “demonstrates that the SSO was caused by an Act of God, vandalism, a non-County Contractor, or any act of a third party not working directly or indirectly on behalf of Miami-Dade and that Miami-Dade demonstrates that it has used all reasonable measure to prevent such SSO.” During this reporting period, the County determined there were two (2) events that would qualify under Section X Paragraph 42 (vi) as described above. The SSO events are described in Table 1 and the associated supporting documentation can be found in Appendix A.

**Table 1 – Description SSO Events Caused by Liable Third Party**

	<b>Date</b>	<b>Location</b>	<b>Volume</b>	<b>Third Party</b>
<b>1</b>	8/3/2022	3460 NE 170 St., North Miami Beach	50	Murphy Pipelines Contractors
<b>2</b>	9/22/2022	15100 W Dixie Hwy, North Miami Beach	34,253	Florida Signal & Lighting Inc.

### **3.1 SSOs (Excluding Building Backups)**

Table 2 (page 4) documents all SSO events, excluding Building Backups (BBUs), for the second calendar quarter of 2022. There was a total of thirty (30) SSO events:

- Ten (10) events involved force mains.
- Thirteen (13) events involved gravity mains.
- Three (3) events involved pump stations.
- Four (4) events involved automatic air release valves.

There was only one (1) SSO event that reached the waters of the United States during this reporting period.

### **3.2 Building Backups**

The County follows standard procedures to resolve and minimize the occurrence of Building Backups. These procedures have been re-evaluated in the development of the new CMOM Program Sewer Overflow Response Plan (SORP) required by the current Consent Decree. The SORP was submitted by the County to EPA/FDEP on July 2, 2015. The County received EPA/FDEP comments on the SORP on January 27, 2017 and submitted a response on March 28, 2017. The EPA and FDEP approved the SORP on August 15, 2017. The County is implementing these procedures.

Presently, the Department’s procedures for the response to, and the reporting and documenting of Building Backups are different from those of SSOs within the Department’s WCTS. Additionally, the “Time” and “Duration” parameters are seldom characteristically the same between the two types of SSO events. For these reasons, Building Backups are normally included in a separate table and the “N/A” designation used for some “Time” and “Duration” entries. However, there was no building backup event to record during this reporting period. Therefore, no building backup table is included in this report.



## 4.0 Abbreviations/Acronyms

The following acronyms and abbreviations are used in the tables. Please note that not all acronyms are used in the tables.

AC	Asbestos Cement
ARV	Manual Air Release Valve
AARV	Automatic Air Release Valve
ASSIS	Active As-Built Supplemental Information System
DI	Ductile Iron
CD	Consent Decree
CI	Cast Iron
CIP	Capital Improvement Project
FM	Force Main
FOG	Fats, Oils and Grease
FSE	Food Service Establishment
GIS	Geographic Information System
GM	Gravity Main
GSS	Gravity Sewer System
HDPE	High Density Polyethylene
LAT	Lateral
PCCP	Prestressed Concrete Cylinder Pipe
PIR	Project Initiation Report
PS	Pump Station
PVC	Polyvinyl Chloride
RER-DERM	Regulatory and Economic Resources, Division of Environmental Resources Management
VFD	Variable Frequency Drive

## 5.0 Progress Update for Ongoing CD Capital Improvement Projects Beyond Compliance Date

On August 13, 2021, the County submitted a CD Outstanding Force Majeure and Potential Delay Notification letter to EPA and FDEP. Therein, the County committed to provide progress updates in the quarterly reports for the CD Capital Improvement Projects which are ongoing and have experienced delays beyond the Compliance Date. The progress updates for these projects are tabulated in Appendix B.

## 6.0 Amendment to Previous Quarterly Report

No amendment was made to the 2022 Quarterly Report No. 2.

Table 2 - Sanitary Sewer Overflows

CCID	Date	Time	Location	Source	Est. Duration hr:min	Est. Volume gallons	Destination	Waters Of US	Cause	Immediate Fix	Long Term Fix	
											Req'd	Solution
510557	7/1/2022	8:45PM	980 NE 170 ST NORTH MIAMI BEACH 33162	Gravity Main	1 hour 45 minutes	60	Land	No	Gravity main blocked due to grease.	Cleared gravity main blockage. Cleaned upstream and downstream branch of collection system.	Yes	Designated as hotspot. Installed smart cover to monitor and prevent repeat SSO.
510562	7/1/2022	8:30PM	NE 2 AVE & NE 45 ST MIAMI 33137	Gravity Main	45 minutes	30	Storm Drain	No	Gravity main blockage due to heavy grease.	Cleared gravity main blockage, cleaned upstream and downstream branch of collection system.	No	No gravity main maintenance required within the last 3 years. Isolated incident with no further action required.
510607	7/2/2022	11:31PM	1800 SOUTH GLADES DR NORTH MIAMI BEACH 33162	Gravity Main	2 hours 39 minutes	200	Storm Drain	No	PS 0310 operations disrupted due to FPL service problem.	FPL service restored and normal PS operations resumed.	No	No further action required.
510689	7/5/2022	12:00PM	11200 NW 36 AVE, 33167	Force Main	1 hour	3,069	Land	No	Leaking 6" ductile iron (DI) force main due to internal corrosion.	Repaired affected section of DI FM.	No	Isolated incident. No further action required.

Table 2 - Sanitary Sewer Overflows

CCID	Date	Time	Location	Source	Est. Duration hr:min	Est. Volume gallons	Destination	Waters Of US	Cause	Immediate Fix	Long Term Fix	
											Req'd	Solution
510835	7/7/2022	6:00PM	11710 SW 113 PL, 33176	Force Main	1 hour 25 minutes	2,643	Storm Drain	No	6" DI FM broken by non-County contractor performing directional drilling.	Repaired section of affected 6" DI FM.	No	No further action required.
511045	7/12/2022	10:30AM	2244 NW 52 ST, 33142	Gravity Main	15 minutes	50	Land	No	Gravity main blockage due to grease causing a spill thru an abandoned lateral.	Cleared gravity main blockage. Cleaned upstream and downstream branch of collection system. Capped off abandoned sewer lateral at the main.	No	No further action required.
511153	7/14/2022	2:00PM	6377 E MIAMI LAKEWAY DR	AARV	1 hour 30 minutes	563	Lake Katherine	Yes	Broken AARV due non-standard installation by County Contractor.	Reinstall new AARV in accordance with WASD Standards.	No	Bill County contractor for all costs and labor. No further action required.

Table 2 - Sanitary Sewer Overflows

CCID	Date	Time	Location	Source	Est. Duration hr:min	Est. Volume gallons	Destination	Waters Of US	Cause	Immediate Fix	Long Term Fix	
											Req'd	Solution
511353	7/19/2022	2:00PM	18181 NE 31 CT AVENTURA 33160	Gravity Main	2 hours	70	Land	No	PS 0472 operations disrupted due to unknown contractor striking an FPL power cable.	Maintained PS 0472 operations with vacuum truck until power service was restored.	No	No further action required
511697	7/26/2022	10:26AM	364 N Golden Beach DR	AARV	2 hours 34 minutes	72	Storm Drain	No	Leaking AARV through the threads on the 2" nipple.	Replaced leaking AARV with new 2" nipples.	No	No further action required.
511737	7/26/2022	6:15PM	17531 SW 140 CT, 33177	Gravity Main	1 hour	25	Storm Drain	No	Gravity main blocked due to grease.	Cleared gravity main blockage. Cleaned upstream and downstream branch of collection system.	Yes	Designated as a hotspot. Installed a smart cover.
511840	7/28/2022	2:39PM	6392 NW 97 AVE DORAL 33178	Force Main	21 minutes	1,245	Land	No	Broken 8" DI force main by the County contractor while excavating.	Repaired 8" DI force main broken by County Contractor.	No	Bill County contractor for damage and repairs. No further action required.

Table 2 - Sanitary Sewer Overflows

CCID	Date	Time	Location	Source	Est. Duration hr:min	Est. Volume gallons	Destination	Waters Of US	Cause	Immediate Fix	Long Term Fix	
											Req'd	Solution
512127	8/3/2022	11:30AM	3460 NE 170 ST NORTH MIAMI BEACH 33160	Gravity Main	39 minutes	50	Land	No	Broken 8" gravity main by non- County contractor while excavating.	Replaced broken section of GM.	No	Bill contractor for damage and repairs. No further action required.
512434	8/9/2022	7:51PM	17801 NW 52 AVE, 33055	AARV	1 hour 39 minutes	97	Storm Drain	No	Leaking AARV due to top float failure.	Installed a new AARV.	No	Isolated incident with no further action required.
512951	8/18/2022	10:00PM	NE 30 AVE & NE 207 ST AVENTURA 33180	Force Main	4 hours	12,276	Storm Drain	No	Broken 20" DI force main by County contractor.	Repaired the broken 20" DI force main broken by County contractor.	No	Bill County contractor for damage and repairs. No further action required.
513051	8/20/2022	8:39PM	18700 NW 47 AVE, 33055	AARV	1 hour 51 minutes	55	Land	No	AARV leaking due to an obstruction of the orifice tube.	Removed and replaced with a new AARV.	No	No further action required.

Table 2 - Sanitary Sewer Overflows

CCID	Date	Time	Location	Source	Est. Duration hr:min	Est. Volume gallons	Destination	Waters Of US	Cause	Immediate Fix	Long Term Fix	
											Req'd	Solution
513146	8/22/2022	11:00PM	5690 NW 194TH LN, 33055	Gravity Main	1 hour 45 minutes	60	Land	No	Gravity main line blockage due to grease.	Cleared gravity main blockage. Cleaned upstream and downstream branch of collection system.	No	No gravity main maintenance required within the last 3 years. Isolated incident with no further action required.
513307	8/25/2022	9:00PM	11006 W Flagler ST SWEETWATER 33174	Gravity Main	1 hour 30 minutes	100	Land	No	Gravity main blockage due to grease spill.	Cleared gravity main blockage. Cleaned upstream and downstream branch of collection system.	Yes	Designated as hotspot. Installed a smart cover to monitor and prevent repeat SSO.
513491	8/30/2022	11:40AM	2150 NW 9 ST MIAMI 33125	Gravity Main	10 minutes	50	Storm Drain	No	Gravity main blockage due to grease.	Cleared gravity main blockage. Cleaned upstream and downstream branch of collection system.	Yes	Designated as Hotspot. Installed a smart to monitor and prevent repeat SSO.

Table 2 - Sanitary Sewer Overflows

CCID	Date	Time	Location	Source	Est. Duration hr:min	Est. Volume gallons	Destination	Waters Of US	Cause	Immediate Fix	Long Term Fix	
											Req'd	Solution
513725	9/4/2022	9:25AM	10501 SW 16 ST, 33165	Force Main	1 hour 25 minutes	9,577	Storm Drain	No	8" PVC force main broken due to a split on the pipe.	Repaired the affected section of 8" PVC FM.	Yes	FM segment under evaluation for replacement.
514196	9/13/2022	11:00AM	16225 SW 99 AVE, 33157	Force Main	2 hours 30 minutes	2,216	Land	No	10" AC FM broken by the non-County contractor.	Capped and abandoned 10" AC FM behind the valve.	No	No further action required.
514331	9/15/2022	1:40PM	SW 28TH ST & SW 37TH AVE MIAMI 33133	Force Main	1 hour 20 minutes	845	Storm Drain	No	3" PVC FM leaking due to rubber transition coupling failure.	Repaired affected section of 3" PVC FM.	No	No further action required.
514553	9/18/2022	4:40PM	10147 SW 118 CT, 33186	Gravity Main	1 hour 20 minutes	50	Land	No	Gravity main blockage due to grease.	Cleared gravity main blockage. Cleaned upstream and downstream branch of collection system.	No	Isolated incident with no further action required
514579	9/20/2022	6:47AM	3355 NW 46 ST, 33142	Force Main	3 hours 23 minutes	3,890	Storm Drain	No	12" DI FM broken due to a split on the pipe.	Repaired broken 12" DI FM.	No	No further action required.

Table 2 - Sanitary Sewer Overflows

CCID	Date	Time	Location	Source	Est. Duration hr:min	Est. Volume gallons	Destination	Waters Of US	Cause	Immediate Fix	Long Term Fix	
											Req'd	Solution
514720	9/21/2022	9:58PM	SW 140 CT & SW 179 ST, 33177	Gravity Main	47 minutes	50	Land	No	Gravity Main blockage due to grease.	Cleared gravity main blockage. Cleaned upstream and downstream branch of collection system.	No	Isolated incident. No further action required
514746	9/22/2022	10:00AM	15100 W DIXIE HWY NORTH MIAMI BEACH 33162	Force Main	1 hour 15 minutes	34,523	Storm Drain	No	Broken 18" AC FM by non-County contractor.	Repaired broken 18" AC FM broken by non-County contractor.	No	Billed non- County contractor for damage and repairs. No further action required.
514847	9/23/2022	6:08PM	NW 69 ST & NW 24 AVE, 33147	Force Main	1 hour 22 minutes	283	Storm Drain	No	Leaking 4" DIP force main through a push- home gasket in a joint.	Repaired leaking 4" DI FM.	No	No further action required.



Table 2 - Sanitary Sewer Overflows

CCID	Date	Time	Location	Source	Est. Duration hr:min	Est. Volume gallons	Destination	Waters Of US	Cause	Immediate Fix	Long Term Fix	
											Req'd	Solution
515053	9/27/2022	1:30PM	SW 17 AVE & S DIXIE HWY MIAMI 33133	Gravity Main	21 hours 30 minutes	38,400	Storm Drain	No	Manholes overflowing due to the surcharge condition of Hurricane Ian.	Maintained overflow with vacuum trucks and tankers until system equalized to normal levels after the rain receded.	No	No further action required.
515094	9/28/2022	1:15AM	108 NW HOXEY RD	PS	2 hours 15 minutes	350	Land	No	Leak at PS 0325 gasket due to high pressure (severe rain event associated with Hurricane Ian)	Deployed portable pump and placed PS 0325 on bypass. Replaced coupling. PS placed back in service.	No	No further action required.
515114	9/28/2022	12:00PM	19227 E LAKE DR, 33015	PS	1 hour 40 minutes	300	Land	No	Surcharged conditions due to severe rain event (Hurricane Ian) caused interruption in normal pump station operations.	Deployed portable pump to supplement pump station pumping capacity until surcharged condition subsided.	No	No further action required


Table 2 - Sanitary Sewer Overflows

CCID	Date	Time	Location	Source	Est. Duration hr:min	Est. Volume gallons	Destination	Waters Of US	Cause	Immediate Fix	Long Term Fix	
											Req'd	Solution
515154	9/29/2022	12:00PM	19227 E LAKE DR, 33015	PS	2 hours 30 minutes	500	Land	No	Portable pump experienced malfunction.	Portable pump placed back in operations and remained in operations for 7 days.	Yes	Pump Station basin to undergo I/I investigation including manhole isolation.

**Appendix A**  
Supporting Documentation for SSO Events

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Supporting document for August 3, 2022 Event on 3460 NE 170 Street, North Miami Beach caused by non-County Contractor



**MIAMI-DADE  
COUNTY**  
miamidade.gov

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

10/13/2022 Certified 7010 0290 0000 0788 1487

MURPHY PIPELINE CONTRACTORA, INC.  
1876 EVERLEE ROAD  
JACKSONVILLE, FL 32216

Attn: DAVID S FURSTELLER, P.A.  
Re: File No: JS09412 Customer No. 00025112

Expenses incurred by Miami-Dade Water & Sewer Department to repair and restore service to a damaged 8-inch gravity sewer main at 340 NE 170th St. The damage occurred during work operation to replace watermain utilities. The incident was reported to Miami-Dade Water & Sewer Department by Henry Tovar. The contractor was working under Sunshine State One-Call Location Ticket number # 205200586. The area was marked. The damage created a sewer spill of 50 gallons of raw sewage.

Damage/Repair Date 8/3/2022


---

This is to advise you that your company is being held liable for the above-referenced utility damage resulting from your work operation.

An invoice with the costs incurred by our Department to repair and restore service to this utility, including restoration of the area if required, will be sent to your attention. This amount is to be paid in full within 30 days of the invoice date.

Any questions concerning this matter should be referred to Eva Rodriguez at (786) 552-8223 or, (786) 552-8171. Thank you for your cooperation.

Sincerely,



Controller Division  
Special Collections Unit

c: File

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Street, Apt. No., or PO Box No. JS09412

City, State, ZIP+4

PS Form 3838, August 2014 See Reverse for Restrictions

Figure 1 - Notice letter to non-County Contractor

Supporting document for September 22, 2022 event on 15100 W Dixie Hwy., North Miami Beach caused by non-County Contractor



**MIAMI-DADE  
COUNTY**  
miamidade.gov

**Water and Sewer**  
PO Box 330316 \* 3071 SW 36 Avenue  
Miami, Florida 33233-0316  
T 305-665-7471

10/13/2022 | Certified 7010 0290 0000 0788 1449

Florida Signal & Lighting Contractors  
3237 NW 67th St  
Miami, FL 33147

Attn: Florida Signal & Lighting

Re: File No: JS09495 | Customer No. 00044689

Expenses incurred by Miami-Dade Water & Sewer Department to repair and restore service to a damaged 18-inch sewer force main at 15100 W Dixie Hwy. The damage occurred during work operation to install conduit for FDOT. The contractor was working under Sunshine State One-Call Location Ticket number # 262202726. The force main was marked. The damage created a sewer spill of 34,523 gallons of raw sewage.

Damage/Repair Date 9/22/2022

---

This is to advise you that your company is being held liable for the above-referenced utility damage resulting from your work operation.

An invoice with the costs incurred by our Department to repair and restore service to this utility, including restoration of the area if required, will be sent to your attention. This amount is to be paid in full within 30 days of the invoice date.

Any questions concerning this matter should be referred to Eva Rodriguez at (786) 552-8223 or, (786) 552-8171. Thank you for your cooperation.

Sincerely,  
  
Controller Division  
Special Collections Unit

c: File

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7010 0290 0000 0788 1449

Send To: JS09495  
 Street, Apt. No., or PO Box No.: Florida Signal & Light  
 City, State, ZIP+4

PS Form 3841, August 2020 See Reverse for Instructions

Figure 2 - Notice letter to non-County Contractor

## **Appendix B**

### Quarterly Update of Select Consent Decree Capital Improvement Projects

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## Appendix B

### Progress Updates for Ongoing CD Capital Improvement Projects Beyond Compliance Date - 2022 Quarterly Report No. 3

No.	Date of Request/ Notification	Project No.	Project Status Update	Estimated Delay	Projected Completion Date	Compliance Date
1	6/30/2021 7/14/2021 2/25/2022	CD 1.2 SDWWTP Oxygen Production	<p>The project experienced delays during the construction phase related to the relocation of the existing duct bank due to unforeseen field conditions; and ongoing delays due to the protracted procurement and fabrication schedule of electrical gear and compressor replacement parts caused by disruptions to the manufacturing processes precipitated by the Pandemic. Specifically, in January 2022, the manufacturer/supplier for the replacement parts for Compressor No. 3 informed the County that the lead time for the fabrication and delivery of mechanical components which include bull gear, vessels, cooling system (bundles and shell) and forced lubrication system was thirty-two (32) weeks, with no opportunity to expedite.</p> <p>The current construction percent complete is 88%</p>	364 Days	2/24/2023	2/25/2022
2	6/28/2019 1/15/2021 3/17/2021	CD 1.11 SDWWTP General Electrical	<p>The Notice to Proceed (NTP) for Child Project CD 1.11(1.2) – Generator Repairs were issued on September 22, 2021 and repair work started and in progress.</p> <p>The current construction percent complete is 39%</p>	909 Days	9/21/2023	3/26/2021
3	10/13/2020 6/14/2021	CD 2.1 CDWWTP Electrical Improvements	<p>CD 2.1(3) - Substation 9 &amp; 10 - is currently in construction. The unforeseen field condition that required design modifications to existing low-voltage switchgear 9A and 10A continued to impact the project.</p> <p>The current construction percent complete is 98%</p>	504 Days	10/31/2022	6/14/2021
4	1/10/2020	CD 2.19 CDWWTP Co-generation Facility	<p>Construction of the Co-generation Facility was completed on October 4, 2019. However, the project's completion is contingent on sufficient biogas production from the digesters being completed as part of CD 2.15 Clusters 1 and 2 in order to perform acceptance and performance testing. Digesters Cluster 1 is undergoing acceptance testing. Construction activities for Cluster 2 are near completion.</p> <p>The current construction percent complete is 99%</p>	1166 Days	7/31/2023	5/21/2020
5	6/1/2017 3/6/2019 4/24/2020	CD 2.22 CDWWTP Master Pump Station No. 2	<p>The portion of the work performed by the Contractor achieved substantial completion on August 23, 2021. The Flowmeter work was removed from the Contractor's scope of work and will be performed by WASH Wastewater Collection and Transmission Line Division (WWCTLD). The flowmeter portion of this project has been permitted and construction is anticipated to be completed by 4/15/2023.</p> <p>The current construction percent complete is 99%</p>	1421 Days	4/15/2023	5/25/2019