



miamidade.gov

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**VIA ELECTRONIC CORRESPONDENCE**

July 29, 2022

CCN: 64450  
File No: 8.DC.20.32

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Environment and Natural Resources Division  
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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. 2**

Dear Sir or Madam:

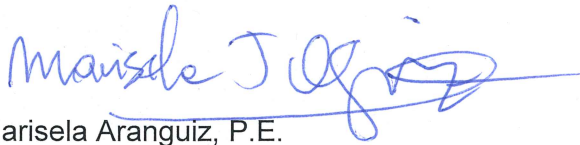
In accordance with the provisions of Paragraph 32 of the above referenced Consent Decree, on behalf of Miami-Dade County, the Water and Sewer Department (WASD) submits to the Environmental Protection Agency (EPA) and the State of Florida Department of Environmental Protection (FDEP) the 2022 Quarterly Report No. 2. The 2022 Quarterly Report No. 2 covers the period from April 1, 2022, to June 30, 2022.

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

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

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

Sincerely,



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

Attachment: 2022 Quarterly Report No. 2

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## **2022 Quarterly Report No. 2**

(Thirty-first Quarterly Report)

**April 1, 2022 through June 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. 2

## 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. 2 on or before August 1, 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 eight (8) 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 Vandalism or Act of God**

	Date	Location	Volume	Act of God
1	6/4/2022	SW 17 Ave & S Dixie Hwy, Miami	74,000	Potential Tropical Cyclone No. 1
2	6/4/2022	NW 7 St. & NW 10 Ave., Miami	115,000	Potential Tropical Cyclone No. 1

	Date	Location	Volume	Act of God
3	6/4/2022	NE 64 St. & NE 4 Ct., Miami	42,000	Potential Tropical Cyclone No. 1
4	6/4/2022	11940 SW 34 St., Miami	3,450	Potential Tropical Cyclone No. 1
5	6/4/2022	6425 SW 6 St., Miami	88	Potential Tropical Cyclone No. 1
6	6/5/2022	18255 NW 57 Ave., Miami	4,210	Potential Tropical Cyclone No. 1
7	6/7/2022	364 Golden Beach Dr., Golden Beach	1,921	Potential Tropical Cyclone No. 1
8	6/6/2022	762 NE 71 St., Miami	1,250	Potential Tropical Cyclone No. 1

### 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-four (34) SSO events:

- Five (5) events involved force mains.
- Twenty-four (23) events involved gravity mains.
- One (1) event involved a pump station.
- Five (5) events involved automatic or manual air release valves.

There were four (4) SSO events 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

In 2022 Quarterly Report No. 1 section 3.1, we reported six (6) SSO events reaching US waters. This report will be amended to correct to seven (7) SSO reported SSO events which reached US waters. Table 2 is also amended for WASD ID 502775, which occurred on February 4, 2022, and reached the Cutler Drain Canal. The Water of US column will be corrected to “yes”.

Table 2 - Sanitary Sewer Overflows

CCID	Date	Time	Location	Source	Est. Duration	Est. Volume	Destination	Waters	Cause	Immediate Fix	Long Term Fix	
											hr:min	gallons
505581	4/2/2022	12:00PM	488 NE 18 ST MIAMI 33132	GM	1 hour	30	Storm Drain	No	Gravity main blocked due to grease, causing a spill through the lateral at the property line.	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.
505585	4/2/2022	5:28PM	9755 NW 52 ST DORAL 33178	GM	1 hour 13 minutes	200	Storm Drain	No	Gravity main blocked 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 with no further action required.
505794	4/6/2022	11:28AM	20440 NW 2 CT MIAMI GARDENS 33169	AARV	32 minutes	30	Land	No	Automatic air release valve, failed due to debris restricting float movement.	Removed and replaced with a new ARV.	Yes	Continue to phase out all ARV from manufacturer with repetitive failure.
506472	4/19/2022	1:42PM	9855 SW 152 ST UNINCORPORATED MIAMI- DADE 33157	FM	2 hours 33 minutes	850	Land	No	Split on 6" PVC FM caused by digging equipment. Hole was left open by a unknown contractor.	Repair affected pipe with a section of C-900 PVC pipe and two Hymax couplings.	Yes	Cannot bill contractor at this time, contractor is still unknown. Working on identifying contractor. Vandalism.

Table 2 - Sanitary Sewer Overflows

CCID	Date	Time	Location	Source	Est. Duration	Est. Volume	Destination	Waters	Cause	Immediate Fix	Long Term Fix	
											Of US	Req'd
506560	4/21/2022	8:49AM	315 NW 9 AVE MIAMI 33128	GM	26 minutes	25	Storm Drain	No	Gravity main blocked due to grease.	Cleared gravity main blockage, cleaned upstream branch of collection system.	No	No gravity main maintenance required within the last 3 years. Isolated incident with no further action required.
507030	4/29/2022	8:50PM	21636 SW 128 CT UNINCORPORATED MIAMI-DADE 33170	GM	55 minutes	20	Land	No	Gravity main blocked due to grease.	Cleared gravity main blockage, cleaned upstream and downstream branch of collection system.	Yes	Gravity main maintenance required within the last 3 years in 2022 and 2020. Accelerated cleaning cycle, increase frequency of inspections.
507124	5/1/2022	10:00PM	9440 SW FONTAINEBLEAU BLVD	GM	1 hour	30	Storm Drain	No	Gravity Main blockage due to grease.	Cleared gravity main blockage, cleaned upstream and downstream branch of collection system.	Yes	Gravity main maintenance required within the last 3 years. Install a smart cover.
507417	5/7/2022	10:30AM	1275 NE 79 ST MIAMI 33138	FM	3 hours 40 minutes	5,074	PELICAN HARBOR MARINA	Yes	Leaking through a submersible pump 1.5" PVC pipe inside meter box, that is tied in to the 16" force main coming from North Bay Village.	Repaired 1.5" PVC pipe with a new section of SCH 80 pipe and a new 90.	No	No further action required.

Table 2 - Sanitary Sewer Overflows

CCID	Date	Time	Location	Source	Est. Duration	Est. Volume	Destination	Waters	Cause	Immediate Fix	Long Term Fix	
											hr:min	gallons
507478	5/8/2022	3:45PM	9601 SW 142 AVE UNINCORPORATED MIAMI-DADE 33186	FM	2 hours 45 minutes	1,860	Storm Drain	No	Force main broken leaking due to external corrosion.	Replaced affected area of pipe, with a new section of C-900 pipe and two Hymax couplings.	Yes	Force main is under review by waste water collections to request funding allocation.
507592	5/11/2022	8:00AM	1800 S GLADES DR NORTH MIAMI BEACH 33162	GM	3 hours	80	Storm Drain	No	Gravity main blockage due to grease and existing smart cover malfunctioned.	Cleared gravity main blockage, cleaned upstream and downstream branch of collection system. Diagnosed smart cover.	No	Isolated incident with no further action required.
507678	5/12/2022	2:00PM	10820 SW 52 DR UNINCORPORATED MIAMI-DADE 33165	ARV	30 minutes	60	Land	No	Leaking manual ARV through 2" nipple due non-strand material.	Dig and replace manual ARV with new SCH 80 PVC pipe and new angle valve.	No	Isolated incident with no further action required.
507813	5/15/2022	10:00PM	560 NE 191 ST UNINCORPORATED MIAMI-DADE 33179	GM	2 hours 30 minutes	50	Storm Drain	No	Gravity main blockage due to grease.	Cleared gravity main blockage, cleaned upstream and downstream branch of collection system.	No	No gravity main maintenance required the last 3 years. Isolated incident with no further action required.

Table 2 - Sanitary Sewer Overflows

CCID	Date	Time	Location	Source	Est. Duration	Est. Volume	Destination	Waters	Cause	Immediate Fix	Long Term Fix	
											hr:min	gallons
507953	5/18/2022	3:00PM	19375 NW 29 PL MIAMI GARDENS 33056	AARV	1 hour 20 minutes	50	Land	No	Leaking AARV due to a failure of the rolling seal assembly.	Replaced leaking AARV with new AARV from different manufacturer.	Yes	Continue to phase out AARV from manufacturer with repetitive failure.
508815	6/4/2022	7:00AM	SW 17 AVE & S DIXIE HWY MIAMI 33133	GM	12 hours 30 minutes	74,000	Storm Drain	No	Heavy rain (Potential Tropical Cyclone No. 1) exceeded system capacity.	Systems equalize to normal level after the rain had receded.	No	No further action required.
508818	6/4/2022	8:00AM	NW 7 ST & NW 10 AVE MIAMI 33136	GM	1 day 2 hours	115,000	MIAMI RIVER	Yes	Heavy rain event ( Potential Tropical Cyclone No. 1 ) exceeded system capacity.	Systems equalize to normal levels after the rain had receded.	No	No further action required.
508827	6/4/2022	10:30AM	NE 64 ST & NE 4 CT MIAMI 33138	GM	10 hours 30 minutes	42,000	Storm Drain	No	Heavy rain event (Potential Tropical Cyclone No. 1) exceeded system capacity.	Systems equalize to normal levels after the rain had receded.	No	No further action required.
508858	6/5/2022	7:00AM	19010 NW 47 AVE UNINCORPOR ATED MIAMI- DADE 33055	GM	12 hours	6,100	Storm Drain	No	Gravity main manhole overflow due to surcharged condition. (Potential Tropical Cyclone No. 1).	Deployed WASD Crews to mitigate and capture SSO, as much as possible, until WCTS stabilized after Potential Tropical Cyclone No. 1.	No	No further action required.

Table 2 - Sanitary Sewer Overflows

CCID	Date	Time	Location	Source	Est. Duration	Est. Volume	Destination	Waters	Cause	Immediate Fix	Long Term Fix	
											hr:min	gallons
508878	6/4/2022	6:14PM	11940 SW 34 ST UNINCORPORATED MIAMI-DADE 33175	GM	3 hours 16 minutes	3,450	Storm Drain	No	Heavy rain event (Potential Tropical Cyclone No. 1) exceeded system capacity.	Systems equalize to normal levels after the rain had receded.	No	No further action required.
508881	6/4/2022	5:40PM	6425 SW 6 ST MIAMI 33144	GM	16 hours 20 minutes	88	Storm Drain	No	Heavy rain event exceeded system capacity.	Systems equalize to normal level after the rain had receded.	No	No further action required.
508891	6/5/2022	11:00AM	18255 NW 57 AVE UNINCORPORATED MIAMI-DADE 33055	GM	11 hours	4,210	Storm Drain	No	Gravity main manhole overflow due to surcharged condition. (Potential Tropical Cyclone No. 1).	Systems equalize to normal levels after the rain receded.	No	No further action required.
508911	6/5/2022	12:00AM	545 NE 55 TER MIAMI 33137	GM	7 hours	1,652	BISCAYNE BAY	Yes	Gravity main manhole overflow due to surcharged condition. (Potential Tropical Cyclone No. 1).	Systems equalize to normal levels after the rain receded	No	No further action required.

Table 2 - Sanitary Sewer Overflows

CCID	Date	Time	Location	Source	Est. Duration	Est. Volume	Destination	Waters	Cause	Immediate Fix	Long Term Fix	
											hr:min	gallons
509001	6/5/2022	6:30PM	16626 NW 73 PL MIAMI LAKES 33014	GM	5 hours	3,200	Storm Drain	No	Gravity main manhole overflow due to surcharged condition. (Potential Tropical Cyclone No. 1).	Deployed WASD Crews to mitigate and capture SSO, as much as possible, until WCTS stabilized after Potential Tropical Cyclone No. 1.	No	No further action required.
509061	6/6/2022	12:00PM	19679 NW 62 CT UNINCORPORATED MIAMI- DADE 33015	GM	11 hours	100	Storm Drain	No	Gravity main manhole overflow due to surcharged condition. (Potential Tropical Cyclone No. 1).	Deployed WASD Crews to mitigate and capture SSO, as much as possible, until WCTS stabilized after Potential Tropical Cyclone No. 1.	No	No further action required.
509087	6/6/2022	5:36PM	5720 NW 191 TER UNINCORPORATED MIAMI- DADE 33015	GM	6 hours 24 minutes	90	Storm Drain	No	Severe rainfall associated with Potential Tropical Cyclone No. 1 caused surcharged conditions.	Deployed crews to mitigate spill until WCTS stabilized after the Potential Tropical Cyclone No. 1.	No	No further action required.
509146	6/7/2022	1:46PM	364 GOLDEN BEACH DR GOLDEN BEACH 33160	FM	2 hours 14 minutes	1,921	Storm Drain	No	8" DI force main broken due to exterior corrosion.	Repaired affected section of 8" DI force main.	Yes	Project to replace force main.

Table 2 - Sanitary Sewer Overflows

CCID	Date	Time	Location	Source	Est. Duration	Est. Volume	Destination	Waters	Cause	Immediate Fix	Long Term Fix	
											hr:min	gallons
509175	6/6/2022	9:30AM	762 NE 71 ST MIAMI 33138	GM	2 hours 15 minutes	1,250	Land	No	Gravity main manhole overflow due to surcharge condition, (Potential Tropical Cyclone No. 1), grease and wipes.	Cleared blockage. Deployed WASD Crews to mitigate and capture SSO, as much as possible, until WCTS stabilized after Potential Tropical Cyclone No. 1.	No	No further action required.
509195	6/8/2022	4:07PM	261 SW 12 ST MIAMI 33130	GM	13 minutes	20	Land	No	Gravity main 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.
509262	6/9/2022	5:00PM	20200 NW 2 AVE MIAMI GARDENS 33169	ARV	2 hours 15 minutes	28,364	SNAKE CREEK CANAL	Yes	Broken manual ARV due to high system pressure associated with Potential Tropical Cyclone No. 1.	Diverted (shut down) flow. Repaired with stainless steel clamp.	No	No further action required.
509392	6/11/2022	9:31PM	8155 NW 182 ST UNINCORPOR ATED MIAMI- DADE 33015	GM	1 hour 59 minutes	30	Land	No	High pressure at Point of Connection of Pump station as a result of the sever rain fall associated with Potential Tropical Cyclone No. 1.	Deployed crew to mitigate spill until system stabilized after Potential Tropical Cyclone No. 1.	No	No further action required.



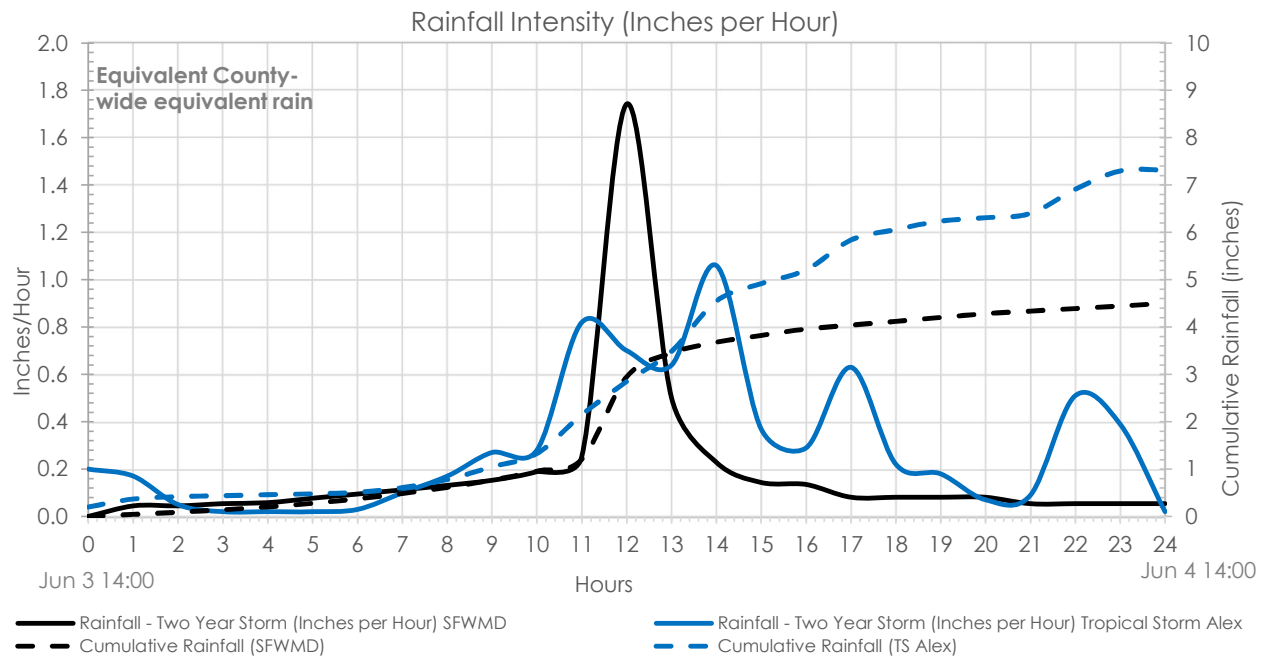
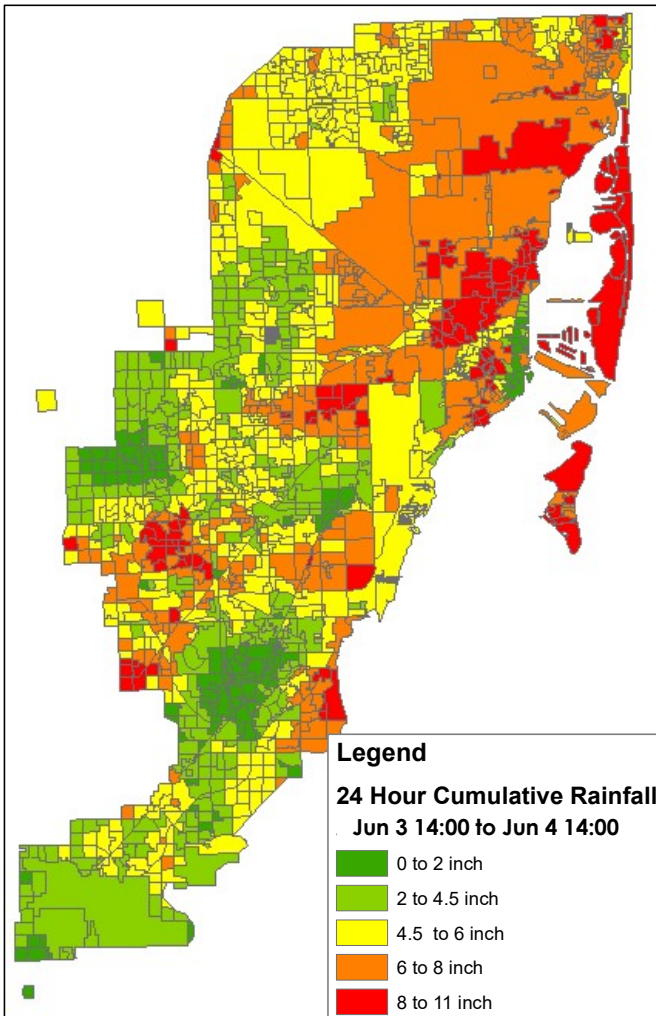
Table 2 - Sanitary Sewer Overflows

CCID	Date	Time	Location	Source	Est. Duration	Est. Volume	Destination	Waters	Cause	Immediate Fix	Long Term Fix	
											hr:min	gallons
509431	6/12/2022	2:41PM	8155 NW 182 ST UNINCORPORATED MIAMI-DADE 33015	GM	3 hours 49 minutes	80	Land	No	Gravity main manhole overflow due to surcharged condition associated with the aftermath of Potential Tropical Cyclone No. 1.	Deployed WASD Crews to mitigate and capture SSO, as much as possible, until WCTS stabilized after Potential Tropical Cyclone No. 1.	No	No further action required.
509677	6/15/2022	2:45PM	2320 NW 28 ST MIAMI 33142	GM	2 hours 45 minutes	30	Storm Drain	No	Gravity main blockage due to grease.	Cleared gravity main blockage due to grease. 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.
509735	6/16/2022	9:30AM	NW 112 AVE & NW 58 ST DORAL 33178	AARV	1 hour 30 minutes	73	Storm Drain	No	AARV leaking due to failure of the rolling seal assembly.	Replace broken AARV.	Yes	Continue to phase out AARV from manufacturer with repetitive failure.
509911	6/19/2022	12:00PM	6199 NW 110 AVE DORAL 33178	PS	40 minutes	200	Storm Drain	No	Broken check valve at PS 0094.	Replaced the check valve arm and restored PS operations.	No	Isolated incident. No further action required.
510072	6/21/2022	8:30PM	750 NW 207 ST MIAMI GARDENS 33169	GM	1 hour	173	Land	No	4" AC force main broken due inferior AC pipe material.	Repaired affected segment of broken 4" AC force main.	Yes	Force main will be recommended for replacement.

**Appendix A**  
Supporting Documentation for SSO Events

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# Potential Tropical Cyclone 1 – 24 Hour Cumulative Rainfall



## SFWMD Frequency Analysis of Daily Rainfall Maxima For Central and South Florida, 2001

Return Period	One-Day Rainfall (inches)
2-year	4.5
5-year	7.0
10-year	8.0
25-year	11.0

Source: SFWMD Frequency Analysis of Daily Rainfall Maxima For Central and South Florida January 2001 by Chandra S. Pathak. Hydrolnformation Systems & Assessment Department Environmental Monitoring & Assessment Division South Florida Water Management District 3301 Gun Club Road West Palm Beach, Florida 33406

## **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. 2

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>	280 Days	12/2/2022	2/25/2022
2	10/29/2021 4/7/2022 6/2/2022	CD 1.5 SDWWTP Effluent Pump Station	<p>The delays were primarily due to Force Majeure circumstances due to a COVID-19 outbreak at the rebar manufacturer/supplier that forced a shut-down at the factory, and impacted the Contractors schedule by a 14-day delay. In addition, the overhead crane used for the installation of the 900 HP pump motors malfunctioned and the crane required replacement parts. The COVID -19 pandemic also caused delays in the County's ability to self-procure equipment parts, and supply chain disruptions further exacerbated delays in delivery of the crane's replacement parts with a 42-day delay. Consent Decree substantial completion was achieved on April 21, 2022 and a Completion Notification letter was submitted on June 2, 2022.</p> <p>The current construction percent complete is 100%</p>	14 Days*	4/21/2022	4/7/2022
3	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
4	10/13/2020 6/14/2021	CD 2.1 CDWWTP Electrical Improvements	<p>The unforeseen field condition that required design modifications to existing low-voltage switchgear 9A and 10A continued to impact the project. The Child Project CD 2.1(7) – Substations 7A, 8A, 9A &amp; 10A was completed and Consent Decree substantial completion was achieved on November 17, 2021.</p> <p>The current construction percent complete is 100%</p>	156 Days	11/17/2021	6/14/2021
5	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>	923 Days	11/30/2022	5/21/2020
6	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 WASD Wastewater Collection and Transmission Line Division (WWCTLD).-The flowmeter portion of this project has been permitted and construction is anticipated to be completed by 9/21/2022.</p> <p>The current construction percent complete is 99%</p>	1215 Days	9/21/2022	5/25/2019
7	5/5/2020 9/9/2020 6/24/2022	CD 3.6 NDWWTP Disinfection Facility	<p>Project experienced delays in construction associated with the COVID-19 Pandemic, unforeseen field conditions, and unexpected complexity with phasing of electrical switch-over plan. Electrical and mechanical switchover activities have been completed. Final Acceptance Testing was completed, and Consent Decree substantial completion was achieved on March 5, 2022 and a Completion Notification letter was submitted on June 24, 2022.</p> <p>The current construction percent complete is 100%</p>	542 Days*	3/5/2022	9/9/2020

\* This is actual delay. Project was substantially completed.