



miamidade.gov

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

**VIA ELECTRONIC CORRESPONDENCE**

January 31, 2022

CCN: 64199  
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 – 2021  
Quarterly Report No. 4**

Dear Sir or Madam:

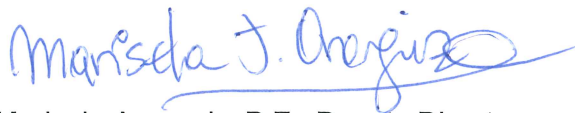
In accordance with the provisions of Paragraph 32 of the above referenced Consent Decree, on behalf of Miami-Dade County, the Water and Sewer Department (WASD) submits to the Environmental Protection Agency (EPA) and the State of Florida Department of Environmental Protection (FDEP) the 2021 Quarterly Report No. 4. The 2021 Quarterly Report No. 4 covers the period from October 1, 2021 to December 31, 2021.

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: 2021 Quarterly Report No. 4

ec: Anita Patel  
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Madame Mayor Daniella Levine-Cava  
Miami-Dade County  
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## **2021 Quarterly Report No. 4**

(Twenty-Nine Quarterly Report)

**October 1, 2021 through December 31, 2021**

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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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## 2021 Quarterly Report No. 4

### 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 2021 Quarterly Report No. 4 on or before January 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**

	Date	Location	Volume	Contractor
1	11/16/2021	NW 79 <sup>th</sup> Avenue & NW 41 <sup>st</sup> Street, Doral	1,150	Downrite Eng.
2	12/20/2021	7895 NW 56 <sup>th</sup> Street, Doral	9,207	Maggonc Inc.

### 3.1 SSOs (Excluding Building Backups)

Table 2 (page 4) documents all SSO events, excluding Building Backups (BBUs), for the fourth calendar quarter of 2021. There was a total of thirty-five (35) SSO events:

- Seven (7) events involved force mains.
- Twenty-five (26) events involved gravity mains.
- One (1) event involved an automatic air release valve.
- One (1) event involved a lateral.

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. Building Backup information is shown in Table 3 (Page 7).

### 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 Notifications 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**

On December 3, 2021, the County submitted a supplemental letter to the 2021 Quarterly Report No.3. This supplement consisted of the Appendix B table to provide updates for CD Projects which are ongoing and have experienced delays beyond their respective CD Compliance Dates.



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
496732	10/4/2021	3:00PM	9833 E HIBISCUS ST PALMETTO BAY 33157	AARV	45 minutes	150	Land	No	ARV leaking due to debris restricting float movement	Replaced leaking AARV	Yes	Continue to phase AARV from manufacturer with repetitive failure
496805	10/5/2021	5:45PM	9960 SW 160 ST	FM	1 hour 20 minutes	9014	Land	No	Leaking 10" PVC force main leaking due to inferior pipe material	Repaired 10" PVC force main with section of C-900 PVC and couplings	Yes	Recommended for replacement
496827	10/6/2021	8:18AM	15300 SW 112 AVE	FM	1 hour 52 minutes	120	Land	No	Check valve leaking on 6" DI force main	Removed and replaced check valve with ARV	No	No further action required
496989	10/9/2021	8:00AM	155 NW 209 ST MIAMI GARDENS 33169	GM	3 hours	70	Storm Drain	No	Gravity main blockage due to grease	Cleared gravity main blockage due to grease	No	No further action required
497104	10/12/2021	12:10PM	1000 ISLAND BLVD AVENTURA	FM	3 hours 25 minutes	10000	MAULE LAKE	Yes	Leaking 12" force main under the bay. (Eastside)	Shutdown force main	Yes	Replace force main in FY 21-22

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
497187	10/13/2021	4:21PM	13570 SW 286 TER	GM	7 hours 48 minutes	300	Land	No	Contractor maintaining bypass operation at PS 1019 created surcharged condition and resulted in grease/debris blockage	Cleared gravity main blockage and required contractor to lower flowing condition at bypass	Yes	Monitor system condition closely. PS 1019 is off bypass. No further action required
497193	10/13/2021	7:30PM	1800 S GLADES DR NORTH MIAMI BEACH	GM	2 hours 30 minutes	40	Storm Drain	No	Gravity main blockage due to grease	Cleared gravity main blockage due to grease	No	No further action required
497200	10/13/2021	9:00PM	7771 NW 181 ST	GM	4 hours	70	Land	No	Gravity main blockage due to grease	Cleared gravity main blockage due to grease	No	No further action required
497264	10/15/2021	4:00PM	1800 S GLADES DR NORTH MIAMI BEACH	GM	2 hours	40	Storm Drain	No	Gravity main blockage due to grease	Cleared gravity main blockage and cleaned upstream / downstream collection system	Yes	Designated as a hotspot. Install smart cover.
497955	10/28/2021	3:57PM	9400 SW 137 AVE	GM	3 hours 26 minutes	150	Storm Drain	No	Gravity main blockage due to debris	Cleared gravity main blockage due to debris	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
498093	10/31/2021	4:00PM	14250 SW 62 ST	GM	4 hours 20 minutes	50	Storm Drain	No	Gravity Main blockage due to grease. Spill at manhole 42	Cleared gravity main blockage due to grease	No	No further action required
498507	11/7/2021	10:26AM	6600 NW 2 PL MIAMI 33150	GM	49 minutes	5	Land	No	Gravity main blockage due to grease	Cleared gravity main blockage due to grease/ debris. Cleaned upstream / downstream branch of collection system	No	No further action required
498568	11/8/2021	4:08PM	11399 NW 7 ST SWEETWATER 33172	GM	1 hour 7 minutes	30	Storm Drain	No	Gravity main blockage due to grease	Cleared gravity main blockage and clean upstream/do wnstream branch of collection system	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
498709	11/10/2021	4:06PM	485 NW 71 ST MIAMI 33150	GM	5 hours 29 minutes	75	Land	No	Gravity main blockage due to grease	Cleared gravity main blockage and cleaned upstream/do wnstream branch of collection system	Yes	No gravity main maintenance required within the last 3 years. Isolated incident with no further action required
498950	11/16/2021	12:57PM	NW 79 AVE & NW 41 ST DORAL 33166	FM	1 hour 18 minutes	1150	Land	No	8" DI force main broken by non- County contractor	8" DI force main capped and abandoned	No	No further action required
499793	12/1/2021	8:16PM	7670 SW 152 AVE	GM	1 hour 29 minutes	25	Land	No	Gravity main blockage due to grease	Cleared GM blockage and cleaned upstream / downstream of the collection system	Yes	Isolated incident. No further action required
499860	12/2/2021	8:41PM	5725 NW 114 PATH DORAL 33178	GM	1 hour 49 minutes	20	Storm Drain	No	Gravity main blockage due to grease	Cleared GM blockage and cleaned upstream / downstream of the collection system	Yes	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
499947	12/4/2021	11:30AM	1750 NE 191 ST	GM	3 hours 30 minutes	80	Land	No	Gravity main blockage due to grease	Cleared GM blockage and cleaned upstream / downstream of the collection system	No	No further action required
499950	12/4/2021	11:56AM	6748 CROOKED PALM TER MIAMI LAKES 33014	GM	6 hours 4 minutes	50	Land	No	Gravity main blockage due to grease	Cleared GM blockage and cleaned upstream / downstream of collection system	Yes	Isolated incident. No further action required
499990	12/5/2021	7:07PM	560 NE 191 ST	GM	3 hours 23 minutes	30	Storm Drain	No	Gravity main blockage due to grease	Cleared GM blockage and cleaned upstream / downstream of collection system	Yes	Isolated incident. No further action required
500108	12/7/2021	9:00PM	8265 NW 41 ST DORAL 33166	GM	30 minutes	15	Land	No	Gravity main blockage due to grease	Cleared GM blockage and cleaned upstream / downstream of the collection system	Yes	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
500244	12/10/2021	10:00AM	800 NE 171 ST NORTH MIAMI BEACH 33162	GM	1 hour 30 minutes	40	Storm Drain	No	Ongoing improvements at PS 314 discharge piping caused interuptions in normal operations	Completed improvement project. Restored PS operations	No	No further action required
500281	12/10/2021	10:15PM	201 NW 109 AVE	GM	30 minutes	15	Land	No	Gravity main blockage due to grease	Cleared GM blockage and cleaned upstream /downstream of the collection system	Yes	Isolated incident. No further action required
500316	12/11/2021	2:30PM	300 GOLDEN BEACH DR GOLDEN BEACH 33160	FM	3 hours 30 minutes	750	Storm Drain	No	Leaking valve on 8" DI FM due to internal corrosion	Repaired affected section of 8" DI FM	Yes	FM recommended for replacement. Design ongoing
500363	12/12/2021	6:30PM	7385 N AUGUSTA DR UNINCORPORATE D MIAMI-DADE 33015	GM	2 hours 10 minutes	30	Land	No	Gravity main blockage due to grease	Cleared GM blockage and cleaned upstream / downstream branch of collection system	Yes	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
500365	12/12/2021	10:00PM	7453 NW 178 ST	GM	2 hours 40 minutes	50	Storm Drain	No	Gravity main blockage due to grease	Cleared GM blockage and cleaned upstream / downstream of the collection system	Yes	Monitor location and placed on accelerated cleaning cycle
500417	12/13/2021	6:18PM	18350 NW 44 PL MIAMI GARDENS 33055	GM	2 hours 42 minutes	30	Land	No	Gravity main blockage due to grease	Cleared GM blockage and cleaned upstream / downstream of the collection system	Yes	Location designated as a hotspot. Install Smart Cover
500627	12/18/2021	6:05PM	SW 204 ST & SW 122 AVE	GM	55 minutes	3	Land	No	8" collapsed vitrified clay gravity main	Repaired broken gravity main	Yes	Isolated incident. No further action required
500634	12/19/2021	12:20AM	10230 MARLIN RD CUTLER BAY 33157	FM	1 hour 55 minutes	30326	Storm Drain	No	8" PVC force main broken due to sub standard material schedule 40 pipe.	Repaired force main with C900 PVC material.	Yes	Investigate the length and condition of the remaining portions of FM with substandard material. Recommend for replacement

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
500666	12/20/2021	9:50AM	7895 NW 56 ST DORAL 33166	FM	1 hour 10 minutes	9207	Land	No	12" DI force main broken by non- County contractor	Repaired 12" DI force main broken by non-County contractor.	No	No further action required.
500693	12/20/2021	5:00PM	25611 SW 132 AVE	GM	4 hours 45 minutes	50	Storm Drain	No	Gravity main blockage due to rain catcher insert	Cleared blockage	Yes	Isolated incident. No further action required
500850	12/24/2021	1:30PM	9141 FONTAINEBLEAU BLVD	LAT	2 hours 30 minutes	20	Storm Drain	No	Sewer lateral broken due to corrosion	Relayed entire sewer lateral to the main line.	No	No further action required
500953	12/27/2021	8:53PM	8340 NW 167 TER MIAMI LAKES 33016	GM	1 hour 7 minutes	100	Land	No	Gravity main blockage due to grease	Cleared gravity main blockage due to grease and cleaned upstream/do wnstream of the collection system.	Yes	No GM maintenance required within the last 3 years. Isolated incident with no further action required
500974	12/28/2021	9:16AM	1475 NW 12 AVE MIAMI 33136	GM	1 hour 29 minutes	98	Storm Drain	No	Gravity main blockage due to debris (rags and wipes)	Cleared GM blockage due to debris. Cleaned upstream/ downstream branch of collection system	Yes	No GM maintenance required within the last 3 years. Isolated incident with 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
500986	12/28/2021	1:00PM	115 SW 7 ST MIAMI 33130	GM	5 hours	300	Storm Drain	No	8" gravity main broken/collapsed	Repaired collapse 8" gravity main	Yes	Isolated incident. No further action required

Table 3 - Building Backups

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
N/A	9/17/2021	N/A	3120 CENTER ST, MIAMI	LAT	N/A	10	N/A	N/A	Gravity main blockage caused BBU inside pool pump room	Cleared blockage. Vendor rendered assistance cleaning and sanitizing.	No	No further action required
N/A	10/13/2021	N/A	9960 SW 160 ST	LAT	N/A	2	N/A	N/A	Preventative maintenance activities caused a minor BBU in resident's bathroom	Vendor rendered assistance cleaning and sanitizing.	No	No further action required
N/A	10/13/2021	N/A	15300 SW 112 AVE	LAT	N/A	3	N/A	N/A	Preventative maintenance activities caused a minor BBU in resident's bathroom	Removed and replaced check valve with ARV	No	No further action required

# Appendix A

## Supporting Documentation for SSO Events

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**Supporting document for November 16, 2021, Event on NW 79th Avenue & NW 41st Street, Doral caused by non-County Contractor**



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

01/12/2022 Certified 7021 1970 0001 9800 8658

DOWNRITE ENGINEERING CORP.  
 14241 SW 143RD COURT  
 MIAMI, FL 33186

Attn: JAY BUTTERFIELD

Re: File No: JS08928 Customer No. 00000246

Expenses incurred by Miami Dade Water & Sewer Department to repair and restore service to a damaged 8-inch sewer force main at NW 79th St & 41st St. The Force Main was broken by Downrite Engineering during work operation to install utilities for Terra Group. The 8-inch sewer force main was marked correctly. The incident was reported to Miami Dade Water & Sewer Department by Kirby Reece a representative for Downrite Engineering. The contractor was working under Sunshine State One-Call Location Ticket number #291104071. The damage created a sewer spill of 1,150 gallons of raw sewage.

Damage/repair date: 11/16/2021

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

7021 1970 0001 9800 8658

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**Figure 1 - Notice letter to Non-County Contractor**

Supporting document for December 20, 2021 Event on 7895 NW 56th Street, Doral caused by non-County Contractor



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

01/12/2022 Certified 7021 1970 0001 9600 7583

MAGGOLC, INC.  
 11020 SW 55th STREET  
 MIAMI, FL 33165

Attn: MARIO GONZALEZ

Re: File No: JS08915 Customer No. 00002034

Expenses incurred by Miami Dade Water and Sewer Department to repair and restore service to a damaged 8-inch Cast-Iron Sewer force main at NW 79 Ave & 56 St. The damaged occurred while Maggolc, Inc. was trenching to install drainage for City of Doral. The incident was reported by Mario Gonzalez, a representative for Maggolc, Inc. The contractor was excavating under Sunshine State One-Call Location Ticket Number# 335108499. The damage created a spill. The area was marked.

Damage/repair date: 12/20/2021

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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Figure 2 - Notice Letter to Non-County Contractor

## **Appendix B**

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

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## Updates for Ongoing CD Capital Improvement Projects Beyond Compliance Date - 2021 Quarterly Report No. 4

No.	Date of Request/ Notification	Project No.	Project Status Update	Estimated Delay	Projected Completion Date	Compliance Date
1	6/28/2019 1/15/2021 3/17/2021	CD 1.11 SDWWTP General Electrical	The Notice to Proceed (NTP) for Child Project CD 1.11(1.2) – Generator Repairs was issued on September 22, 2021 and repair work started and in progress.  The current construction percent complete is 10%	545 Days	9/21/2022	3/26/2021
2	10/13/2020 6/14/2021	CD 2.1 CDWWTP Electrical Improvements	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 & 10A was completed on November 17, 2021.  The current construction percent complete is 100%	256 Days	2/25/2022	6/14/2021
3	1/10/2020	CD 2.19 CDWWTP Co-generation Facility	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. Construction of Digesters Cluster 1 has been completed and in testing. Construction activities for Cluster 2 are near completion.  The current construction percent complete is 99%	801 Days	7/31/2022	5/21/2020
4	6/1/2017 3/6/2019 4/24/2020	CD 2.22 CDWWTP Master Pump Station No. 2	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 is in permitting and construction is anticipated to be completed by 5/3/2022.  The current construction percent complete is 99%	1102 Days	5/31/2022	5/25/2019
5	5/5/2020 9/9/2020	CD 3.06 NDWWTP Disinfection Facility	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 is being coordinated.  The current construction percent complete is 99%	512 Days	2/3/2022	9/9/2020