



Daniella Levine Cava, Mayor

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

[miamidade.gov](http://miamidade.gov)

January 31, 2024

**VIA ELECTRONIC CORRESPONDENCE**

CCN: 65285

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  
[Sirena.Davila@dep.state.fl.us](mailto:Sirena.Davila@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 – 2023 Quarterly Report  
No. 4**

Dear Sir or Madam:

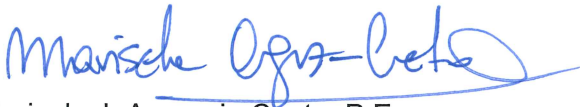
In accordance with the provisions of Paragraph 32 of the above referenced Consent Decree, on behalf of Miami-Dade County, the Water and Sewer Department (WASD) submits to the Environmental Protection Agency (EPA) and the State of Florida Department of Environmental Protection (FDEP) the 2023 Quarterly Report No. 4. The 2023 Quarterly Report No. 4 covers the period from October 1, 2023, to December 31, 2023.

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

ec:

Anita Patel  
Senior Assistant Attorney General, Complex  
Litigation  
Office of the Attorney General  
PL 01 The Capitol  
Tallahassee, FL 32399-1050  
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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  
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Enforcement & Compliance Assurance Division  
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Madame Mayor Daniella Levine-Cava  
Miami-Dade County  
111 NW First Street 29<sup>th</sup> Floor  
Miami, Florida 33128  
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Jimmy Morales, Office of the Mayor  
Miami-Dade County Chief Operations Officer  
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Amanda Kinnick (WASD)  
Billie Jo McCarley (WASD)  
Frances G. Morris (WASD)  
James B. Ferguson (WASD)  
Juan Curiel (WASD)  
Thomas Pfiester (WASD)  
Leo Pou (WASD)  
Oscar Vasquez (WASD)  
Carlos A. Castro (WASD)  
Rolando Roque (WASD)  
Ana Caveda (WASD)  
Christine Wartman (WASD)  
Jose Ortega (CAO)  
Lashika Nelson (CAO)  
Rashid Istambouli (RER-DERM)  
Galo Pacheco (RER-DERM)  
Roger Williams (CD PMCM)



## **2023 Quarterly Report No. 4**

(Thirty-Seventh Quarterly Report)

October 1, 2023, through December 31, 2023

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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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# 2023 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 2023 Quarterly Report No. 4 on or before January 31, 2024.

## 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 measures to prevent such SSO.” During this reporting period, the County determined there were four (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 of SSO Events Caused by Liable Third Party**

	Date	Location	Volume (gallons)	Third Party
1	10/12/2023	2120 NW 207 ST, Miami Gardens	56,694	Sun Boring, Inc.
2	10/17/2023	10824 SW 2 <sup>nd</sup> ST, Sweetwater	6,615	Cypress Communications

### 3.1 SSOs (Excluding Building Backups)

Table 2 (page 4) documents all SSO events, excluding Building Backups (BBUs), for the fourth calendar quarter of 2023. There was a total of thirty-one (31) SSO events:

- Twelve (12) events involved force mains.
- Twelve (12) events involved gravity mains.
- Four (4) events involved automatic air release valves or manual air release valves.
- Three (3) events involved pump stations.

There were two SSO events reaching 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 Backups information is shown in Table 3.

## 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 2023 Quarterly Report No. 3.



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
535858	10/5/2023	7:45PM	10240 MARLIN RD, CUTLER BAY	FM	1 hour 15 minutes	910	Land	No	6" Cast iron (CI) force main (FM) broken due to split along pipe.	Repaired 6" CI FM.	No	Isolated incident with no further action required.
535914	10/6/2023	6:00PM	10110 SW 12 ST	FM	2 hours 15 minutes	31,892	Land	No	12" ductile iron (DI) FM broken due to improper bedding.	Repaired 12" DI FM.	No	Isolated incident with no further action required.
536194	10/12/2023	1:30PM	2120 NW 207 ST, MIAMI GARDENS	FM	1 hour	56,694	Storm Drain	No	8" Asbestos Cement (AC) FM broken by a non-county contractor.	Repaired 8" AC FM.	Yes	Bill contractor for damage and repairs. Recommended AC FM for replacement.
536317	10/14/2023	2:05PM	3501 SW 124 CT	GM	53 minutes	20	Land	No	Gravity main blockage due to grease.	Cleared GM blockage. Cleaned upstream and downstream branch of collection system.	No	No GM maintenance required within the last 3 years. Isolated incident with no further action required.
536457	10/17/2023	11:23AM	10824 SW 2ND ST, SWEETWATER	FM	1 hour 52 minutes	6,615	Storm Drain	No	4" PVC FM broken by a non-county contractor.	Repaired 4" PVC FM.	No	Bill contractor for damage and repairs. No further action required.
536841	10/24/2023	12:39PM	795 SW 110 AVE, SWEETWATER	GM	16 minutes	50	Storm Drain	No	Gravity main blockage due to grease.	Cleared GM blockage. Cleaned upstream and downstream branch of collection system	Yes	Two GM maintenance required within the last 3 years. Additional heavy cleaning of the affected areas.
536894	10/25/2023	1:40PM	MATILDA ST & FLORIDA AVE	GM	35 minutes	250	Storm Drain	No	Gravity main blockage due to grease.	Cleared GM blockage. Cleaned upstream and downstream branch of collection system.	Yes	Two GM maintenance were required within the last 3 years. Additional heavy cleaning of the affected areas.
537092	10/29/2023	1:15PM	15210 SW 74 CT, PALMETTO BAY	FM	2 hours 15 minutes	52,688	Storm Drain	No	8" DI FM broken due to split along pipe	Repaired 8" DI FM.	No	Isolated incident with no further action required.
537355	11/3/2023	10:00AM	20855 NW 9TH CT, MIAMI GARDENS	GM	2 hours 30 minutes	65	Land	No	Gravity main blockage due to grease.	Cleared main gravity blockage, cleaned upstream and downstream branches of the collection system.	No	No further action required.
537900	11/14/2023	8:57AM	2550 SW 27 AVE	FM	2 hours 48 minutes	3,522	Storm Drain	No	42" DI FM leaking at boiler plate.	Repaired with a new boiler plate and installed manhole access.	No	No further action required.
538015	11/15/2023	9:33PM	5731 NW 74TH AVE	FM	3 hours 42 minutes	129,964	Storm Drain	No	12" DI FM broken due to improper bedding.	Repaired broken 12" DI FM.	No	No further action required. Isolated incident.
538054	11/16/2023	2:05AM	NW 186TH ST & NW 68TH AVE	FM	1 hour 25 minutes	248,802	Land	No	12" DI FM broken due to split along pipe	Repaired 12" DI FM.	No	Isolated incident with no further action required
538073	11/16/2023	6:00AM	2437 SW 17 AVE	GM	2 days 15 hours	385,000	Storm Drain	No	GM manhole overflow due to surcharged condition/heavy rain event..	Maintained pump station and overflowing manholes with vacuum trucks and tankers. Clean up affected area.	Yes	The basin is under evaluation to identify potential repairs or upgrades.

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
538094	11/16/2023	10:30AM	17700 S DIXIE HWY	AARV	1 hour 35 minutes	4,436	Storm Drain	No	Automatic Air Release Valve (AARV) broken at nipple (non-standard material).	Replaced with standard nipple and a new AARV.	No	Isolated incident with no further action required.
538102	11/16/2023	8:24AM	6990 NW 97 AVE	FM	1 hour 56 minutes	20,665	Storm Drain	No	12" DI FM broken due to split along pipe	Repaired 12" DI FM.	No	Isolated incident with no further action required
538128	11/16/2023	11:00AM	3401 LE JEUNE RD CORAL GABLES	PS	1 hour	435	Land	No	PS 0133 operations interrupted due to FP&L power outage.	Dispatched portable generator until FP&L service restored. Normal operations resumed.	No	No further action required.
538179	11/16/2023	10:00AM	7870 NW 178 ST	GM	3 days	3,428	Land	No	GM manhole overflow due to surcharged condition/heavy rain event and high system pressure.	Maintained pump station and overflowing manholes with vacuum trucks and tankers. Clean up affected area.	Yes	The basin is under evaluation to identify potential repairs or upgrades.
538249	11/17/2023	12:37PM	2610 NW 119 ST	AARV	53 minutes	4,117	Storm Drain	No	AARV riser broken at nipple on corporation.	Replaced 2" ARV riser and angle valve.	No	Isolated incident with no further action required
538259	11/17/2023	12:07PM	NW 51 AVE & NW 5 ST	GM	2 days 6 hours 23 minutes	5,623	Storm Drain	No	GM manhole overflow due to surcharged condition/heavy rain event and high system pressure.	Maintained pump station and overflowing manholes with vacuum trucks and tankers. Clean up affected area.	Yes	The basin is under evaluation to identify potential repairs or upgrades.
538303	11/17/2023	4:12PM	85 NW 209TH ST MIAMI GARDENS	GM	6 hours 59 minutes	30	Land	No	GM manhole overflow due to surcharged condition/heavy rain event and high system pressure.	Maintained pump station and overflowing manholes with vacuum trucks and tankers. Clean up affected area.	Yes	The basin is under evaluation to identify potential repairs or upgrades.
538311	11/17/2023	4:53PM	15225 NW 77 AVE MIAMI LAKES	PS	4 hours 7 minutes	70	Land	No	GM manhole overflow due to surcharged condition/heavy rain event and high system pressure.	Portable pump with higher horsepower to help due to high system pressure. PS was restored to normal operating condition.	Yes	The basin is under evaluation to identify potential repairs or upgrades.
538340	11/18/2023	4:00AM	NW 90 ST & NW 107 AVE	ARV	7 hours 30 minutes	6,532	Land	No	Manual ARV riser, broken at nipple on corporation	Replaced 2" ARV riser and angle valve.	No	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
538376	11/18/2023	1:22PM	19020 W LAKE DR	GM	8 hours 8 minutes	80	Land	No	GM manhole overflow due to surcharged condition/heavy rain event and high system pressure.	Maintained pump station and overflowing manholes with vacuum trucks and tankers. Clean up affected area.	Yes	The basin is under evaluation to identify potential repairs or upgrades.
538449	11/19/2023	4:30PM	SW 107 AVE & SW 48 ST	FM	2 hours 20 minutes	126,184	CANAL G	Yes	8" AC FM broken due to inferior pipe material	Repaired 8" AC FM.	Yes	Recommended for replacement. Request for funding allocation in fiscal year 2024-25
538779	11/24/2023	9:07AM	27017 SW 133 CT	GM	1 hour 38 minutes	20	Land	No	GM blockage due to grease.	Cleared GM blockage. Cleaned upstream and downstream branch of collection system.	No	No GM maintenance required within the last 3 years. Isolated incident with no further action required.
538898	11/26/2023	2:22PM	3275 NW 87 AVE DORAL	GM	13 minutes	50	Storm Drain	No	GM blockage due to grease	Cleared GM blockage. Cleaned upstream and downstream branch of collection system	No	No GM maintenance required within the last 3 years. Isolated incident with no further action required
539284	12/3/2023	10:22PM	7850 NW 185TH ST	FM	1 hour 38 minutes	2,235	Golden Glades canal	Yes	4" PVD FM broken. Previously repaired with non-standard material (over 10 years ago).	Repaired broken 4" PVC FM.	Yes	County standards and specifications have been updated to eliminate the use of non-standard material for repairs.
539316	12/4/2023	11:30AM	2011 NW 88 CT DORAL	FM	1 hour	320	Storm Drain	No	Small hole located on the bottom of gate valve due to corrosion.	Gate valve replaced.	No	Isolated incident with no further action required.
540254	12/22/2023	10:30AM	20542 SW 122 AVE	GM	2 hours 45 minutes	25	Land	No	GM blockage due to grease.	Cleared lateral blockage. Cleaned upstream and downstream branch of collection system.	Yes	Two GM maintenance required within the last three years. Basin will be monitored to prevent future blockage.
540411	12/26/2023	3:45PM	102 OCEAN LANE DR, KEY BISCAIYNE	PS	25 minutes	235	Storm Drain	No	PS 0133 operations interrupted due to FP&L power outage.	Dispatched portable generator until FP&L service restored. Normal operations resumed.	No	No further action required.
540613	12/30/2023	1:41PM	1115 NW 22 AVE	AARV	49 minutes	260	Storm Drain	No	AARV leaking due to debris	Replaced leaking AARV	No	Isolated event. 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
536984	10/26/2023	N/A	13241 SW 274TH TER, HOMESTEAD	LAT	N/A	3	BBU	No	Sewer backup due to preventative cleaning activities in a gravity main obstructed by grease and debris.	Cleared gravity main blockage. Rendered assistance to customer by cleaning and sanitizing	No	No further action required
N/A	10/31/2023	N/A	2955 NW 47TH ST	GM	N/A	4	BBU	No	Sewer backup due to preventative cleaning activities in a gravity main obstructed by grease and debris.	Cleared gravity main blockage. Rendered assistance to customer by cleaning and sanitizing	No	No further action required

# Appendix A

## Supporting Documentation for SSO Events

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**Supporting document for October 12, 2023, event at 2120 NW 207<sup>th</sup> St, Miami Gardens, FL 33056 caused by non-County Contractor**



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

*Handwritten initials*

01/11/2024 Certified 9589 0710 5270 0676334321

SUN BORING INC  
 7880 W 20TH AVE 36  
 HIALEAH, FL 33016

Attn: JESUS ALLEGUE/ DAMARIS ALLEGUE

Re: File No: JS10260 Customer No. 00058237

Expenses incurred by Miami-Dade Water & Sewer Department to repair and restore service to a damaged 8-inch sewer force main at 2120 NW 207th St. The damage occurred during directional boring while Sun Boring, Inc was installing conduits for AT&T/ Bluestreak. The contractor was subcontracted by UTS Underground Inc who requested Sunshine State One-Call Location Ticket # 275307498. The damage caused a sewer spill of approximately 22,000 gallons of raw sewage.

Damage/ Repair Date: 10/12/2023

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 Angela Morris-Butler (786) 552-8418 or (786) 552-8171. Thank you for your cooperation.

Sincerely,

Angela Morris-Butler  
 Assistant Controller - Controller Division

c: File  
 1004863750

9589 0710 5270 0676 3343 21

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<input type="checkbox"/> Adult Signature Required	\$	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$	
Postage	\$	
Total Postage and Fees	\$	
Sent To	Sun Boring, Inc	
Street and Apt. No., or PO Box No.	JS10260	
City, State, ZIP+4®		

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

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

Supporting document for October 17, 2023, event at 10824 SW 2<sup>nd</sup> St. Sweetwater, FL 33174, caused by non-County Contractor



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

12/22/2023 Certified 9589 0710 52700676333317

CYPRESS COMMUNICATIONS, INC.  
201 NW 2ND AVENUE  
POMPANO BEACH, FL 33069

Attn: ACCOUNTS PAYABLE

Re: File No: JS10190 Customer No. 00008122

Expenses incurred by Miami-Dade Water & Sewer Department to repair and restore service to a damaged sewer force main at 10824 SW 2nd St. The damage occurred while Cypress Communication, Inc was installing cable extensions for Comcast Cable. The contractor failed to verify depth of conflicting facilities by soft digging/potholing/ prior to excavation as required by law under Florida Statute 556.105(5)(c). The contractor was excavating under Sunshine State One-Call Location Ticket # 276302772. The damage caused a sewer spill of approximately 6,615 gallons of raw sewage.

Damage/ Repair Date: 10/17/2023

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 Angela Morris-Butler (786) 552-8418 or (786) 552-8171. Thank you for your cooperation.

Sincerely,  
  
Angela Morris-Butler  
Assistant Controller - Controller Division

c: File  
1004866610



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<input type="checkbox"/> Return Receipt (hardcopy)	\$	
<input type="checkbox"/> Certified Mail Restricted Delivery	\$	
<input type="checkbox"/> Adult Signature Required	\$	
<input type="checkbox"/> Adult Signature Restricted Delivery	\$	
Postage	\$	
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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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## Appendix B

### Progress Updates for Ongoing CD Capital Improvement Projects Beyond Compliance Date - 2023 Quarterly Report No. 4

No.	Date of Request/ Notification	Project No.	Project Status Update	Estimated Delay	Projected Completion Date	Compliance Date
1	10/20/2023 10/31/2023	CD 1.7 SDWWTP Digesters and Control Building	<p>CD 1.7 is currently behind schedule due to delays associated with the Corbel modifications, sludge header piping modifications, and challenges experienced during the start-up and commissioning of Cluster 1. As detailed in the Force majeure notification and request for time extension letter submitted on October 31, 2023, the delays at Cluster No. 1 are primarily due to the inability to achieve a stable, reliable, and sustained operation at the targeted hydraulic retention time (HRT) of 15-days, per the Basis of Design Report dated July 2015 and approved by FDEP August 19, 2016. Meeting the 15-day HRT is pre-requisite to the decommissioning of the existing operational Cluster No. 2 for rehabilitation. It was determined that the operational risks were too great to proceed with the implementation of Cluster No. 2. Thus, Cluster No. 2 construction activities have been halted pending further investigation.</p> <p>The County will provide an update by the summer of 2024.</p> <p>The current construction status for Cluster No. 1 is 87% completed.</p>	1659 Days	6/6/2028	11/21/2023
2	6/28/2019 1/15/2021 3/17/2021	CD 1.11 SDWWTP General Electrical	<p>CD 1.11 was broken down into three child projects: 1.11(1.1), 1.11(1.2) and 1.11(2).</p> <ul style="list-style-type: none"> <li>- CD 1.11(2) was completed on April 11, 2022.</li> <li>- CD 1.11(1.1) has completed the construction for three (3) of the four (4) Substations (No.9, No.10 and No.11) and Substation No.12 is currently under construction. This child project is 87% complete.</li> <li>- CD 1.11(1.2) Generator repairs are 99% complete.</li> </ul>	1115 Days	4/14/2024	3/26/2021
3	9/10/2020 6/16/2023	CD 2.15 CDWWTP Digesters Plant 2	<ul style="list-style-type: none"> <li>- CD 2.15(1) Digesters Cluster 1 is 99% complete.</li> <li>- CD 2.15(2) Digester Cluster 2 is currently in the startup phase and being increased gradually to ensure stable digestion for performance testing. This project experienced delays due to the corbel modifications; equipment failure prior to testing; and the extended startup and commissioning period to ensure biological acclimatization. This child project is 98.5% complete.</li> <li>- CD 2.15(3) Digester Cluster 3 is in the procurement phase. The initiation of the construction of was contingent upon substantial completion of CD 2.15(1) Cluster 1 and CD 2.15(2) Cluster 2 to ensure adequate digestion treatment at CDWWTP.</li> </ul> <p>A Request for Time Extension and Project Status Update letter for CD 2.15 Digester Plant 2 was submitted to EPA and FDEP on June 16, 2023. This extension will allow the County to develop a new approach to Digester Upgrades for CD 2.15(3) Cluster 3 that will integrate lessons learned and incorporates a conservative construction duration. The current construction status is 65% complete.</p>	1815 Days	6/6/2028	6/18/2023
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.</p> <p>The current construction status is 99% complete.</p>	1449 Days	5/9/2024	5/21/2020
5	6/6/2018 12/28/2022	CD 1.6/ CD 1.8 SDWWTP Thickening and Dewatering Projects	<p>CD 1.6/CD 1.8 - are currently in construction. The project was impacted due to the long Re-Bid process and SCADA modifications. Currently, equipment installation tests are being conducted for startup. The substantial completion of the project was impacted due to design and construction of the inline WAS Booster Pump Station. The inline WAS Booster Pump Station is required to proceed with startup and commissioning of New Thickening and Dewatering Building.</p> <p>The current construction status is 96% complete.</p>	677 Days	11/13/2024	1/6/2023

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No.	Date of Request/ Notification	Project No.	Project Status Update	Estimated Delay	Projected Completion Date	Compliance Date
6	6/6/2018 12/28/2022	CD 2.12/ CD 2.13/ CD 2.16/ CD 2.18 CDWWTP Thickening and Dewatering Projects and Odor Control Systems	<p>CD 2.12/CD 2.13/CD 2.16/CD 2.18 - are currently in construction. The project was impacted due to long Re-Bid process and SCADA modifications. Currently, installing the electrical and signal wiring, connections, and termination for new equipment. The substantial completion of the project was impacted due to design and construction of the inline WAS Booster Pump Station and dedicated roof runoff system. The inline WAS Booster Pump Station is required to proceed with startup and commissioning of New Thickening and Dewatering Building.</p> <p>The current construction status is 91% complete.</p>	899 Days	6/30/2025	1/13/2023