



miamidade.gov

Water and Sewer
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VIA ELECTRONIC CORRESPONDENCE

July 26, 2018

CCN: 62047
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

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

Rachael Amy Kamons
Environmental Enforcement Section
U.S. Department of Justice
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Ben Franklin Station
Washington, D.C. 20044-7611
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

**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 – 2018
Quarterly Report No. 2**

Dear Sir/Madam:

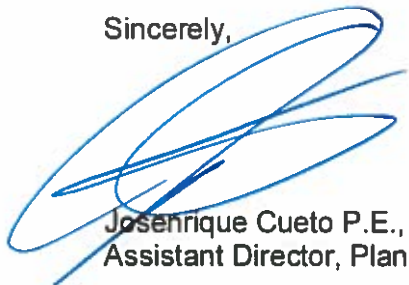
In accordance with the provisions of Paragraph 32 of the above referenced Consent Decree, on behalf of Miami-Dade County, the Water and Sewer Department (WASD) submits to the Environmental Protection Agency (EPA) and the State of Florida Department of Environmental Protection (FDEP) the 2018 Quarterly Report No. 2. The 2018 Quarterly Report No. 2 covers the period from April 1, 2018 through June 30, 2018.

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) 552-8884.

Sincerely,



Jose Enrique Cueto P.E., ENV SP, LEED® Green Associate
Assistant Director, Planning and Regulatory Compliance

Attachment: 2018 Quarterly Report No. 2

ec: Jonathan A. Glogau
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850-414-3817
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Southeast District – West Palm Beach
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Amanda Kinnick
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Carlos Hernandez (RER-DERM)
Rashid Istambouli (RER-DERM)
David Wood (CD PMCM)
Scott Eckler (CD PMCM)
Andrea Suarez-Abastida (CD PMCM)
Abby Diaz (CD PMCM)
Cynthia Doyon (CD PMCM)



2018 Quarterly Report No. 2 (Seventeenth Quarterly Report)

April 1, 2018 through June 30, 2018

Prepared for

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

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

Prepared by

**Miami-Dade County, Miami-Dade Water and Sewer Department and
the
Consent Decree Program Management Construction Management
Team**

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2018 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 2018 Quarterly Report No. 2 on or before July 30, 2018.

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, there were eight (8) SSOs out of the twenty-two (22) SSOs reported in Table 2 where third parties were involved. The County determined there was one (1) event that would qualify under Section X Paragraph 42 (vi) as described above. This SSO event is described in Table 1. Notice letter was sent to the liable non-County contractor and an invoice for the damages will be generated. The supporting documentation available to date can be found in Appendix A.

Table 1 – Description SSO Event Caused by Liable Third Party

	Date	Location	Overflow Volume (gallons)	Contractor, Act of God or Vandalism
1	20-Jun-18	29630 SW 147 Ave	535	Bore Tech

3.1 SSOs (Excluding Building Backups)

Table 2 documents all SSO events (excluding Building Backups) for the second calendar quarter of 2018. There was a total of twenty-two (22) SSO events:

- Four (4) events involved gravity mains
- Six (6) events involved force mains
- Six (6) event involved automatic or manual air release valves
- Six (6) events involved pump stations

There were no 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 6, 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.

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
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 Amendment to Previous Quarterly Report

No amendments are required at this time.

Table 2 - Sanitary Sewer Overflows

Date	Time	Location	Source	Est. Duration hr:min	Est. Volume gallons	Destination	Waters of the U.S.?	Cause	Immediate Fix	Long Term Fix	
										Req'd (Yes/No)	Solution
02-Apr-18	8:00 AM	19010 NW 37 Avenue, Miami Gardens	AARV	2:20	50	Land	No	AARV broken due to mechanical failure	Replaced ARV	Yes	Phase out AARV from manufacturer with repetitive failure
02-Apr-18	10:12 AM	16501 NW 54 Avenue, Miami Gardens	PS	1:18	1,500	Storm Drain	No	Temporary discharge hose blew while long lead replacement fitting was manufactured	Replacement fitting received and installed	No	No further action required
03-Apr-18	11:00 AM	15945 NW 81 Court, Miami Lakes	GM	2:20	50	Land	No	Gravity main blockage due to grease	Cleared blockage and notified local regulatory agency (RER-DERM)	Yes	Install Smart Cover
09-Apr-18	11:10 AM	12829 SW 272 Street	FM	2:40	98,197	Storm Drain	No	10" AC force main broken by non-county Contractor	Repaired 10" AC force main	Yes	Recommended for replacement
26-Apr-18	11:12 AM	SW 162 Avenue & SW 136 Street	AARV	0:54	50	Land	No	AARV leaking due to mechanical failure	Replaced AARV	Yes	Phase out AARV from manufacturer with repetitive failure
27-Apr-18	10:29 AM	8300 Park Boulevard	AARV	1:16	10	Land	No	AARV broken due to high pressure surge	Replaced AARV	Yes	Consider installing specialized AARV able to handle higher pressure

Table 2 - Sanitary Sewer Overflows

Date	Time	Location	Source	Est. Duration hr:min	Est. Volume gallons	Destination	Waters of the U.S.?	Cause	Immediate Fix	Long Term Fix	
										Req'd (Yes/No)	Solution
28-Apr-18	12:25 PM	11010 SW 80 Street	GM	2:30	25	Land	No	Liquid waste transporter working for WASD dumped load in shallow manhole	Cleaned and sanitized SSO	Yes	Follow up with inspector and review SOPs
29-Apr-18	10:00 AM	18201 SW 12 Street	PS	3:30	1,200	Land	No	Pump Station No. 222 clogged due to plastic debris from nearby detention center	Cleared blockage	Yes	Replaced pumps with pumps able to handle this type of debris
30-Apr-18	6:45 PM	4935 NW 188 Street	PS	2:45	50	Land	No	Blockage due to surcharged condition while electrical panel replacement at PS 362	PS back in service	No	No further action required
17-May-18	11:00 PM	3750 NW 181 Street, Miami Gardens	FM	2:00	27,040	Land	No	16" DI force main broken due to internal corrosion	Replaced 20 ft. segment of force main with inert material	No	No further action required
21-May-18	10:30 AM	21550 Biscayne Boulevard, Aventura	GM	2:00	30	Storm Drain	No	Gravity main blockage due to grease	Cleared blockage and notified local regulatory agency (RER-DERM)	No	No further action required
28-May-18	7:45 AM	3750 NW 181 Street, Miami Gardens	FM	1:30	1	Land	No	16" DIP force main at PS 415 broken due to internal corrosion	Temporarily repaired 16" DIP force main	Yes	Scheduled to be replaced with PVC
28-May-18	3:00 PM	8111 NW 54 Street, Doral	ARV	2:15	5,980	Land	No	Manual air release valve broken by County contractor	Repaired ARV	No	No further action required

Table 2 - Sanitary Sewer Overflows

Date	Time	Location	Source	Est. Duration hr:min	Est. Volume gallons	Destination	Waters of the U.S.?	Cause	Immediate Fix	Long Term Fix	
										Req'd (Yes/No)	Solution
31-May-18	4:00 PM	18101 NW 51 Place	PS	4:00	100	Land	No	County Contractor in charge of PS 0415 Operations not providing the required supervision/staff	Additional diesel pump deployed.	No	No further action required
01-Jun-18	7:13 AM	4950 NW 181 Terrace	PS	5:47	515	Land	No	County Contractor in charge of PS 0415 Operations not providing the required supervision/staff	Notice of violation issued. Additional diesel pump deployed.	No	No further action required
01-Jun-18	7:13 AM	4911 NW 181 Terrace	PS	5:47	412	Storm Drain	No	County Contractor in charge of PS 0415 Operations not providing the required supervision/staff	Notice of violation issued. Additional diesel pump deployed.	No	No further action required
01-Jun-18	11:00 PM	20885 NW 9 Court Miami Gardens	GM	2:00	35	Storm Drain	No	Gravity main blockage due to grease	Cleared blockage and notified local regulatory agency (RER-DERM)	No	No further action required
01-Jun-18	11:30 PM	1210 Kia Drive Homestead	AARV	1:00	420	Land	No	AARV leaking due to split on non-standard material nipple	Replaced with components of standard material	No	No further action required
08-Jun-18	8:00 AM	2550 SW 25 Terrace, Miami	AARV	1:30	50	Land	No	AARV leaking due to corrosion on ball valve	Replaced ball valve	No	No further action required
11-Jun-18	12:00 PM	15611 SW 101 Avenue	FM	2:30	6,750	Land	No	6" PVC FM broken by non-County contractor	Repaired 6" PVC force main	Yes	Reconcile GIS data with field observation

Table 2 - Sanitary Sewer Overflows

Date	Time	Location	Source	Est. Duration hr:min	Est. Volume gallons	Destination	Waters of the U.S.?	Cause	Immediate Fix	Long Term Fix	
										Req'd (Yes/No)	Solution
20-Jun-18	6:00 PM	29630 SW 147 Avenue	FM	1:30	535	Land	No	10" DI force main broken due to non-County contractor	Repaired 10" DI force main	No	No further action required
30-Jun-18	4:20 PM	2220 NE 199 Street	FM	3:10	2,635	Land	No	6" AC force main leaking due to natural deterioration of main	Repaired 6" AC force main	Yes	Recommended for replacement

Appendix A

Supporting Documentation for SSO Events

Supporting document for June 20, 2018 Event on 29630 SW 147 Avenue caused by Non-County Contractor

Figure 1 - Notice letter to contractor



MIAMI-DADE COUNTY
miamidade.gov

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

07/19/2018 Certified 7010 0290 0000 0782 6952

BORE TECH
19300 N.W. 50 CT.
MIAMI, FL 33055

Attn: MANNY JIMENEZ

Re: File No: JS06519 Customer No. 00000497

Expenses incurred by Miami Dade Water & Sewer Department to repair and restore a damaged 10-inch cast iron sewer force main at SW 297th St & 147th Ave. The damage occurred by horizontal boring while the contractor was installing a conduit. The 10-inch cast iron sewer force main was marked. . The incident was reported to Miami Dade Water and Sewer by Randy Ramirez, a representative for Bore Tech. The contractor was working under Sunshine State One-Call Location Ticket Number 164812709. The damage resulted in a sewer spill of 535 gallons reported under incident # 426847.

Damage/Repair Date: 06/20/2018

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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Sent to **Bore Tech**

Street, Apt. No.,
or PO Box No. **JS06519**

City, State, ZIP+4

PS Form 3800, August 2008 See Reverse for Instructions