



miamidade.gov

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

VIA ELECTRONIC CORRESPONDENCE

October 28, 2016

CCN: 60644
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
P.O. Box 7611
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
Diane.Pupa@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 – 2016
Quarterly Report No. 3**

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 2016 Quarterly Report No. 3. The 2016 Quarterly Report No. 3 covers the period of time from July 1, through September 30, 2016.

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) 552-8120.

Sincerely,



Bertha Goldenberg, P.E., LEED ® Green Associate
Assistant Director - Regulatory Compliance & Planning

Attachment: 2016 Quarterly Report No. 3

ec: Jonathan A. Glogau
Special Counsel
Chief, Complex Litigation
Office of the Attorney General
PL-01, The Capitol
Tallahassee, FL 32399-1050
850-414-3817
Jon.Glogau@myfloridalegal.com

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
Lisa.M.Self@dep.state.fl.us
Sed.wastewater@dep.state.fl.us

Mayor Carlos A. Gimenez
Miami-Dade County
111 NW First Street 29th Floor
Miami, Florida 33128

Lester Sola, Director
Miami-Dade Water and Sewer Department
3071 SW 38th Avenue
Miami, Florida 33146

Jack Osterholt, Deputy Mayor/Director
Miami-Dade Regulatory and
Economic Resources
111 NW 1st Street. 29th Floor
Miami, FL 33128
Josterholt@miamidade.gov

Abigail Price-Williams
Miami-Dade County Attorney
111 NW First Street Suite 2810
Miami, Florida 33128

William Bush
Associate Regional Counsel
U.S. EPA, Region 4
61 Forsyth Street, SW
Atlanta, Georgia 30303
Bush.William@epa.gov

William A. Weinischke
Senior Trial Attorney
Environmental Enforcement Section
Environment and Natural Resources Division
U.S. Department of Justice
P.O. Box 7611
Washington, D.C. 20044
Bill.Weinischke@usdoj.gov



2016 Quarterly Report No. 3 (Eleventh Quarterly Report)

July 1, 2016 through September 30, 2016

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**

This Page Has Been Intentionally Left
Blank

2016 Quarterly Report No. 3

1.0 Purpose

On April 9, 2014, Miami-Dade 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 2016 Quarterly Report No. 3 on or before October 31, 2016.

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, 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.

During this reporting period, there were four (4) SSO events where contractors were involved. After the incidents were investigated by Miami-Dade Water and Sewer Department (MDWASD) Damage Investigation Unit (DIU), Damage Investigators determined that one (1) of the four (4) aforementioned events was caused by the contractor. This SSO event is described in Table 1. A notice letter was sent to the liable contractor and invoice for the damages will be generated. Also included in Table 1 is the SSO event caused by vandalism. The supporting documentation available to date can be found in Appendix A.

Table 1 – Description of Vandalism and Contractor Liable SSO Event

	Date	Location	Overflow Volume (gallons)	Contractor or Vandalism
1	18-Aug-16	14118 SW 288 Street	8,140	Vandalism
2	19-Sep-16	18050 SW 355 Street	92,820	Fifth Ave Estate LTD

3.1 SSOs (Excluding Building Backups)

Table 2 documents all SSO events (excluding Building Backups) for the third calendar quarter of 2016. There were a total of twenty four (24) SSO events:

- Seven (7) events involved gravity mains
- Four (4) events involved force mains
- Thirteen (13) events involved automatic or manual air release valves

Only two (2) of the SSO events discharged to waters of the United States.

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. Once the proposed SORP procedures have been reviewed and approved by the EPA and FDEP, WASD will implement 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 have been included in a separate table and the "N/A" designation has been used for some "Time" and "Duration" entries. Building Backup information is shown in Table 3.

4.0 Abbreviations/Acronyms

The following acronyms and abbreviations are used in the tables.

FM	Force Main	ARV	Manual Air Release Valve
GM	Gravity Main	AARV	Automatic Air Release Valve
LAT	Lateral	DIP	Ductile Iron Pipe
PS	Pump Station	CIP	Cast Iron Pipe
		AC	Asbestos Cement

5.0 Amendment to Last Quarterly Report

No amendments are required at this time.

Table 2 - Sanitary Sewer Overflows (Excluding Building Backups)

Date	Time	Start Time	Stop 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
01-Jul-16	12:14 AM	01-Jul-16	01-Jul-16	7560 NW 186 Street	ARV	2:01	9,922	Storm Drain	No	Cracked riser on manual air release valve (ARV) due to substandard material	Rebuild riser	No	No further action required
01-Jul-16	1:50 PM	01-Jul-16	01-Jul-16	5401 SW 130 Avenue	ARV	0:35	60	Storm Drain	No	ARV leaking due to worn angle valve gate	Replaced angled valve	Yes	No further action required
04-Jul-16	1:33 PM	04-Jul-16	04-Jul-16	1075 Biscayne Boulevard	FM	5:57	350,000	Biscayne Bay	Yes	16" DIP force main (FM) broken due to previous contractor damage	Repaired force main with new section of DIP	Yes	No further action required
13-Jul-16	5:00 PM	13-Jul-16	13-Jul-16	14910 SW 30 Street	ARV	2:25	50	Land	No	ARV clogged with debris	Cleared ARV blockage	No	No further action required
24-Jul-16	11:00 AM	24-Jul-16	24-Jul-16	5960 Miami Lakes Drive	AARV	0:35	50	Land	No	Automatic air release valve (AARV) leaking due to mechanical failure of rolling seal assembly	Replaced AARV	Yes	Track AARV from this manufacturer for failure trend
26-Jul-16	4:00 PM	26-Jul-16	26-Jul-16	7335 N Kendall Drive	AARV	5:30	70	Land	No	AARV leaking due to mechanical failure of rolling seal assembly	Replaced AARV	Yes	Track AARV from this manufacturer for failure trend
29-Jul-16	2:30 PM	29-Jul-16	29-Jul-16	15100 NW 37 Avenue	AARV	1:30	20	Land	No	AARV leaking due to mechanical failure of rolling seal assembly	Replaced AARV	Yes	Track AARV from this manufacturer for failure trend
01-Aug-16	12:00 PM	01-Aug-16	01-Aug-16	841 NE 80 Street	AARV	2:30	80	Storm Drain	No	AARV malfunctioned due to gasket failure	Replaced AARV	No	Replace gasket during semi-annual preventative maintenance cycle
10-Aug-16	2:00 PM	10-Aug-16	10-Aug-16	19438 NE 18 Avenue	GM	7:45	30	Storm Drain	No	Gravity main (GM) blockage due to grease	Cleared gravity main grease blockage and notified local regulatory agency (RER-DERM)	No	No further action required
18-Aug-16	10:32 AM	18-Aug-16	18-Aug-16	8301 SW 142 Avenue	GM	0:00	15	Storm Drain	No	GM blocked due to grease	Cleared gravity main grease blockage and notified local regulatory agency (RER-DERM)	No	No further action required
18-Aug-16	10:53 AM	18-Aug-16	18-Aug-16	14118 SW 288 Street	AARV	12:22	8,140	Canal	Yes	Broken AARV due to vandalism at canal crossing	Replaced AARV	Yes	No further action required
21-Aug-16	9:00 AM	21-Aug-16	21-Aug-16	19027 NW 45 Avenue	AARV	4:00	20	Storm Drain	No	AARV clogged with debris and grease	Replaced AARV	No	No further action required
23-Aug-16	2:00 PM	23-Aug-16	23-Aug-16	5980 Miami Lakes Drive	GM	3:30	30	Land	No	GM blockage due to rain catcher	Removed rain catcher insert	No	No further action required
24-Aug-16	6:45 PM	24-Aug-16	24-Aug-16	27490 SW 138 Path.	GM	0:25	10	Storm Drain	No	GM blockage due to rocks and dirt from new development	Cleared gravity main blockage	No	Monitor this segment until construction is completed
24-Aug-16	8:00 PM	24-Aug-16	24-Aug-16	12840 SW 216 Terrace	GM	0:27	8	Storm Drain	No	GM blockage due to grease	Cleared gravity main grease blockage and notified local regulatory agency (RER-DERM)	No	Install "Smart Cover" and place on an accelerated cleaning cycle
28-Aug-16	3:32 PM	28-Aug-16	28-Aug-16	14570 SW 280 Street	GM	0:51	8	Storm Drain	No	GM blockage due to grease	Cleared gravity main grease blockage	No	No further action required
01-Sep-16	1:25 PM	01-Sep-16	01-Sep-16	13005 SW 286 Street	AARV	0:40	200	Land	No	AARV clogged with grease and debris	Replaced AARV with an AARV from different manufacturer due to repetitive failure	Yes	Phase out AARV from manufacturer with repetitive failure
08-Sep-16	2:30 PM	08-Sep-16	08-Sep-16	10301 Caribbean Boulevard	ARV	0:10	90	Storm Drain	No	ARV 2" angle valve broke off of the riser	Abandoned and plugged ARV	No	No further action required

Table 2 - Sanitary Sewer Overflows (Excluding Building Backups)

Date	Time	Start Time	Stop 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
13-Sep-16	7:30 AM	13-Sep-16	13-Sep-16	NW 56 Avenue & NW 5 Street	GM	1:35	20	Storm Drain	No	GM blockage due to grease	Cleared gravity main grease blockage and notified local regulatory agency (RER-DERM)	Yes	Install "Smart Cover" sensors.
14-Sep-16	7:03 PM	14-Sep-16	14-Sep-16	1470 NE 11 Street	AARV	1:37	20	Land	No	AARV clogged with debris	Replaced AARV with a AARV from different manufacturer due to repetitive failure	Yes	Phase out AARV from manufacturer with repetitive failure
19-Sep-16	2:15 PM	19-Sep-16	19-Sep-16	18050 SW 355 Street	FM	2:15	92,820	Land	No	8" AC FM broken by farmer/contractor	Repaired force main broken by farmer/contractor.	No	No further action required
21-Sep-16	12:00 PM	21-Sep-16	21-Sep-16	NW 74 Street & NW 112 Avenue	FM	0:35	69,475	Storm Drain	No	16" DIP FM broken by contractor (Florida Sol)	Repaired force main broken by contractor	No	No further action required
21-Sep-16	3:20 PM	21-Sep-16	21-Sep-16	13920 Country Walk Drive	FM	0:35	10	Land	No	8" DIP FM broken by contractor	Repaired force main broken by contractor	No	No further action required
23-Sep-16	8:30 AM	23-Sep-16	23-Sep-16	NW 82 Avenue & NW 197 Street	AARV	0:30	50	Storm Drain	No	AARV broken due to mechanical failure of rolling seal assembly	Replaced AARV with a AARV from different manufacturer due to repetitive failure	Yes	Phase out AARV from manufacturer with repetitive failure

Table 3 - Building Backups

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
15-Jul-16	N/A	15340 SW 91 st Lane	Lat	N/A	1	Bldg. Backup	No	Building backup caused by WASD crew working in area	WASD vendor cleaned and sanitized affected bathroom	No	No further action required
18-Aug-16	N/A	6407 Windmill Gate Road	Lat	N/A	1	Bldg. Backup	No	Building backup caused by WASD maintenance crew cleaning/clearing nearby sewer main	WASD vendor cleaned and sanitized affected bathrooms	No	No further action required
18-Aug-16	N/A	6411 Windmill Gate Road	Lat	N/A	1	Bldg. Backup	No	Building backup caused by WASD maintenance crew cleaning/clearing nearby sewer main	WASD vendor cleaned and sanitized affected bathrooms	No	No further action required
28-Aug-16	N/A	4031 NW 187th Terrace	Lat	N/A	5	Bldg. Backup	No	Building backup by WASD maintenance crew cleaning/clearing nearby sewer main	WASD vendor cleaned and sanitized affected bathrooms	No	No further action required

Appendix A

Supporting Documentation for SSO Event Caused by Contractor

A.1 Supporting Document for September 19, 2016 SSO Event on 18050 SW 355th Street Caused by Farmer/Contractor

Figure A.1.1 - Notice letter to contractor

