

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

VIA ELECTRONIC CORRESPONDENCE

May 1, 2017

CCN: 60989 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

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 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 <u>Ammons.Brad@epa.gov</u>

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 – 2017 Quarterly Report No. 1

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 2017 Quarterly Report No. 1. The 2017 Quarterly Report No. 1 covers the period of time from January 1, 2017 through March 31, 2017.

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

Consent Decree Paragraph 32, 2017 Quarterly Report No. 1 May 1, 2017 Page 2

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., ENV SP, LEED[®] Green Associate Assistant Director, Planning and Regulatory Compliance

Attachment: 2017 Quarterly Report No. 1

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 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

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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 <u>Bill.Weinischke@usdoj.gov</u> Consent Decree Paragraph 32, 2017 Quarterly Report No. 1 May 1, 2017 Page 4

Hardeep Anand ebc: Antonio Cotarelo Douglas L. Yoder Bertha Goldenberg Josenrique Cueto Maricela Fuentes Manuel Moncholi Frances G. Morris Sarah Davis Ureaka Wyche Sherry Negahban Richard O'Rourke Howard Fallon Robert Fergen Al Galambos Dan Edwards Rolando Roque Juan Bedoya Lee N. Hefty (RER-DERM) 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) Andres McEwen (CD PMCM)



2017 Quarterly Report No. 1

(Thirteenth Quarterly Report)

January 1, 2017 through March 31, 2017

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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2017 Quarterly Report No. 1

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 2017 Quarterly Report No. 1 on or before May 1, 2017.

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 States or the 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 nine (9) 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 two (2) of the nine (9) aforementioned events were caused by the contractor. These SSO events are described in Table 1. Notice letters were sent to the liable contractors and invoices for the damages will be generated. The supporting documentation available to date can be found in Appendix A.

Table 1 – Description of Contractor Liable SSO Event

	Date	Location	Overflow Volume (gallons)	Contractor
1	18-Jan-17	NE 192 Street & NE 26 Avenue	60	Roadway Construction
2	30-Mar-17	1120 Crandon Boulevard, Key Biscayne	100	V Engineering & Consulting Corp.

3.1 SSOs (Excluding Building Backups)

Table 2 documents all SSO events (excluding Building Backups) for the first calendar quarter of 2017. There were a total of thirty-one (31) SSO events:

- Ten (10) events involved gravity mains
- Thirteen (13) events involved force mains
- Six (6) events involved automatic or manual air release valves
- Two (2) events involved pump stations

Only one (1) 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. The County received EPA/FDEP comments on the SORP on January 27, 2017 and submitted a response on March 28, 2017. Once the proposed SORP procedures have been reviewed and approved by the EPA and FDEP, MDWASD 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.

AC ARV	Asbestos Cement
AARV	Manual Air Release Valve Automatic Air Release Valve
DI	Ductile Iron
CI	Cast Iron
CIP	Capital Improvement Project
FM	Force Main
FOG	Fats, Oils and Grease
GIS	Geographic Information System
GM	Gravity Main
LAT	Lateral
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 Last Quarterly Report

No amendments are required at this time.

				Table 2	2 - Sanitary	Sewer Overflow	/s (Excludin	g Building Backups)			
Date	Time	Location	Source	Est. Duration	Est. Volume gallons	Destination	Waters of the U.S.?	Cause	Immediate Fix		ng Term Fix
				hr:min	ganons					Req'd (Yes/No)	Solution
02-Jan-17	12:30 PM	4402 NW 204 Street, Miami Gardens	FM	3:30	75	Land	No	6" AC force main broken due to ongoing construction and substandard material	Repaired 6" AC force main	Yes	Replacement of AC force main as required per CD CIP 4.9
05-Jan-17	12:10 PM	7865 SW 106 Circle	GM	0:30	8	Land	No	Gravity main blockage due to grease	Cleared grease blockage and notified local regulatory agency (RER-DERM)	No	No further action required
05-Jan-17	2:35 PM	3880 NE 168 Street, North Miami Beach	GM	1:25	50	Storm Drain	No	Gravity main blockage due to grease during smart cover outtage	Cleared grease blockage and notified local regulatory agency (RER-DERM)	Yes	Mitigate smart cover outtages
09-Jan-17	8:00 AM	3340 NE 190 Street, Aventura	GM	5:00	55	Land	No	Gravity main blockage due to surcharge conditions from ongoing construction at PS 0439	Cleared mainline, disinfected area	Yes	Improve monitoring and communications of construction personnel with WASD staff
09-Jan-17	5:30 PM	19450 Collins Avenue, Sunny Isles Beach	PS	0:45	50	Storm Drain	No	VFD pump clogged at pump station due to wipes	Cleared pump blockage	Yes	Public Outreach campaing preventing flushing of sanitary wipes

				Table 2	2 - Sanitary	Sewer Overflow	vs (Excludin	g Building Backups)			
Date	Time	Location	Source	Est. Duration	Est. Volume	Destination	Waters of the U.S.?	Cause	Immediate Fix		ng Term Fix
				hr:min	gallons					Req'd (Yes/No)	Solution
11-Jan-17	7:00 AM	6999 NW 84 Avenue	FM	4:45	600	Land	No	8" PVC By-Pass Discharge line between PS and FM broken by contractor (Maxon Eng.) hitting his own discharge line	Repaired 8" PVC force main broken by contractor	No	No further action required
14-Jan-17	10:30 AM	4515 NW 190 Street, Miami Gardens	AARV	7:30	50	Land	No	Automatic air release valve leaking due to broken rolling seal gasket	Replaced AARV	Yes	Phase out AARV from manufacturer with repetitive failure
14-Jan-17	10:40 AM	10902 SW 2 Street, Sweetwater	FM	4:20	74,000	Storm Drain	No	Blown cap on 4" PVC FM stubout without thrust plug	Connect stubout to adjacent force main	No	No further action required
17-Jan-17	1:00 PM	SW 93 Court & SW 24 Street	FM	2:15	145,539	Land	No		Repaired 8" DI force main broken by contractor	Yes	Flag as-built and reconcile GIS data with field obsevation
18-Jan-17	2:30 PM	NE 192 Street & NE 26 Avenue	AARV	1:15	60	Storm Drain	No	AARV broken by contractor	Replaced with manual ARV	No	No further action required
19-Jan-17	10:49 AM	10325 SW 92 Street	AARV	0:41	50	Land	No	Automatic air release valve leaking due to broken rolling seal gasket	Replaced AARV	Yes	Phase out AARV from manufacturer with repetitive failure

				Table 2	2 - Sanitary	Sewer Overflow	vs (Excludin	g Building Backups)			
Date	Time	Location	Source	Est. Duration hr:min	Est. Volume gallons	Destination	Waters of the U.S.?	Cause	Immediate Fix		ng Term Fix
				nr.mm	ganons					Req'd (Yes/No)	Solution
27-Jan-17	1:30 PM	4300 NW 203 Street, Miami Gardens	FM	1:00	50	Land	No	6" AC force main broken due to heavy vibration from ongoing construction and substandard material	Repaired 6" AC force main	Yes	Replacement of AC force main as required per CD CIP 4.9
01-Feb-17	4:00 PM	17015 SW 107 Court	FM	3:30	31,546	Storm Drain	No	8" PVC force main broken due to non standard material.	Abandoned 8" PVC force main	No	Recommended for replacement
09-Feb-17	10:13 AM	30 W Mashta Drive, Key Biscayne	GM	1:47	30	Storm Drain	No	Gravity main blockage due to grease and debris	Cleared grease blockage and notified local regulatory agency (RER-DERM)	Yes	Distributed FOG Flyers, Install "Smart Cover" and monitor GM level
10-Feb-17	1:29 PM	NE 18 Avenue & N Glade Drive	PS	1:31	500	Snake Creek Canal	Yes	Broken isolation valve at PS 311 during shutdown test	Repaired broken isolation valve	No	No further action required
14-Feb-17	9:05 AM	14775 SW 67 Lane	GM	0:35	20	Storm Drain	No	Gravity main blockage due to rain catcher	Cleared blockage and replaced with ribbed insert	Yes	Replace all inserts in basin 864 with better designed ribbed inserts
16-Feb-17	5:10 PM	10874 SW 2 Street, Sweetwater	FM	1:35	200	Storm Drain	No	4" PVC force main broken due to point load	Repaired broken 4" PVC force main segment	Yes	Recommended for replacement

				Table 2	2 - Sanitary	Sewer Overflow	vs (Excludin	g Building Backups)			
Date	Time	Location	Source	Est. Duration hr:min	Est. Volume gallons	Destination	Waters of the U.S.?	Cause	Immediate Fix	Req'd	ng Term Fix Solution
19-Feb-17	9:19 AM	155 Ocean Lane Drive, Key Biscayne	GM	2:26	500	Storm Drain	No	Gravity main blockage due to rags, sand and heavy grease	Cleared blockage and notified local regulatory agency (RER-DERM)	(Yes/No) No	No further action required
21-Feb-17	2:00 PM	NE 12 Avenue & NE 5 Street, Homestead	AARV	0:45	25	Land	No	Automatic air release valve leaking due to broken rolling seal gasket	Replaced AARV	Yes	Phase out AARV from manufacturer with repetitive failure
21-Feb-17	2:35 PM	11635 SW 112 Avenue	FM	1:55	4,770	Storm Drain	No	6" CI force main broken by contractor due to point loading by milling machine	Replaced broken 6" CI force main segment	No	No further action required
23-Feb-17	9:56 AM	500 SW 177 Avenue	FM	1:04	63,781	Land	No	16" DIP force main broken by contractor	Repaired 16" DIP force main broken by contractor	Yes	Flag as-built and reconcile GIS data with field obsevation
24-Feb-17	10:00 AM	SW 20 Terrace & SW 122 Court	GM	0:40	5	Land	No	Gravity main blockage due to grease and rags	Cleared blockage and notified local regulatory agency (RER-DERM)	No	No further action required
27-Feb-17	1:00 PM	3900 NW 171 Terrace, Miami Gardens	FM	0:30	50	Land	No	4" DI force main broken due to external corrosion	Repaired 4" DI force main	Yes	Recommended for replacement

				Table 2	2 - Sanitary	Sewer Overflow	/s (Excludin	g Building Backups)			
Date	Time	Location	Source	Est. Duration hr:min	Est. Volume gallons	Destination	Waters of the U.S.?	Cause	Immediate Fix	Lor Req'd (Yes/No)	ng Term Fix Solution
28-Feb-17	1:45 PM	8250 NW 58 Street, Doral	GM	1:15	40	Land	No	Gravity main blockage due to grease	Cleared blockage and notified local regulatory agency (RER-DERM)	Yes	Install "Smart Cover" and monitor level of GM
06-Mar-17	5:00 PM	18555 NE 14 Avenue	GM	2:30	300	Land	No	to surcharged	Completed the replacement and placed station back in operation	Yes	Install "Smart Cover" at the lowest manhole in the basin and monitor level
09-Mar-17	9:30 PM	3739 NW 207 Drive, Miami Gardens	GM	1:30	20	Land	No	Gravity main blockage due to grease	Cleared blockage and notified local regulatory agency (RER-DERM)	No	No further action required
14-Mar-17	11:15 AM	10820 SW 200 Drive	FM	1:25	63,150	Storm Drain	No	broken due to non	Replaced broken 4" PVC segment of force main	Yes	Recommended for replacement
16-Mar-17	11:03 AM	SW 153 Avenue & SW 152 Street	ARV	0:50	9,490	Land	No	Manual ARV broken by contractor	Replaced ARV broken by contractor	No	No further action required
20-Mar-17	1:49 PM	15203 SW 152 Avenue	ARV	1:50	250	Land	No	Manual ARV broken by contractor	Replaced ARV broken by contractor	No	No further action required

				Table 2	2 - Sanitary	Sewer Overflow	/s (Excludin	g Building Backups)			
Date	Time	Location	Source	Est. Duration	Est. Volume	Destination	Waters of the U.S.?		Immediate Fix	Lor	ng Term Fix
				hr:min	gallons		the 0.3. f			Req'd (Yes/No)	Solution
21-Mar-17	5:00 PM	SW 82 Street & SW 137 Avenue	FM	0:20	300	Land	No	Defective valve leaking during force main repair	Expanded shutdown and replaced defective valve	No	No further action required
30-Mar-17		1120 Crandon Boulevard, Key Biscayne	FM	4:08	100	Land		6" DI force main broken by contractor installing drainage	Repaired 6" DI force main broken by contractor	No	No further action required

						Table 3 -	Building	Backups			
				Est.	Est.		Waters			L	ong Term Fix
Date	Time	Location	Source	Duration hr:min	Volume gallons*	Destination	of the U.S.	Cause	Immediate Fix	Req'd (Yes/No)	Solution
9-Feb-17		798 Crandon Blvd, Key Biscayne	LAT	N/A	30	Bldg. Backup	No	residential and common area bathrooms caused by blockage due to	WASD vendor cleaned and sanitized affected bathroom	INO	No further action required

Supporting documents for January 18, 2017 Event on NE 192 Street & NE 26 Avenue caused by Contractor

Figure 1 - Notice letter to contractor

COU	MI-DADE			Water and Sew PO Box 330316 * 3071 SW 38 Aven Miami, Florida 33233-03 T 305-665-74
03/03	/2017	Ce	rtified '	7010 0290 0000 0782 3739
ROAI 12275		RUCTION, LLC		
Attn:	ACCOUNTS	PAYABLE		
Re:	File No: JS	05900	(Customer No. 00004606
Dade The c which	Water and Se ontractor was v expired on 11/	wer Department working under St	t by Har unshine	an expired ticket. The incident was reported to Mian anzel Rubi, representative for Roadway Construction State One-Call Location Ticket number #29361245
dama An in includ paid i Any c	ge resulting fro voice with the ling restoration n full within 30 uestions conce	m your work ope costs incurred b of the area if n days of the invoi	eration. y our De equired, ice date. er should	d be referred to Eva Rodriguez at (786) 552-8223 o
Since	rely,			
Contr	rely, ce (Noching oller Division al Collections L	8		U.S. Postal Service is CERTIFIED MAIL in RECEIP (Domestic Mail Only; No Insurance Coverage For delivery information visit our website at www. OFFFICIAL

Supporting documents for March 30, 2017 Event on 1120 Crandon Boulevard, Key Biscayne caused by Contractor

Figure 2 – Notice letter to contractor

Water and Sewer PO Box 330316 * 3071 SW 38 Avenue MIAMIDADE Miami, Florida 33233-0316 COUNTY T 305-665-7471 miamidade.gov 04/18/2017 Certified 7010 0290 0000 0782 4163 V ENGINEERING & CONSULTING CORP. 2138 SW 23rd STREET MIAMI, FL 33145 Attn: FELIX VALDES File No: JS05871R Re: Customer No. 00002495 Expenses incurred by Miami Dade Water & Sewer Department to repair and restore a damaged 6-inch cast iron sewer force main at 1120 Crandon Blvd. The damage occurred while V Engineering was installing drainage. The contractor damaged the cast iron sewer force main with a track-hoe while cutting a concrete slab. The contractor did not notify Miami Dade Water & Sewer Department of the damage. The damage resulted in a sewer spill of 100 gallons. Damage/Repair Date: 03/30/2017 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 guestions concerning this matter should be referred to Eva Rodriguez at (786) 552-8223 or. (786) 552-8171. Thank you for your cooperation. Sincerely, a Dar Controller Division Special Collections Unit c: File