MIAMI-DADE COUNTY
miamidade.gov

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

VIA ELECTRONIC CORRESPONDENCE

July 30, 2015

CCN: 59608
File No: 8.DC.20.32

Chief, Environmental Enforcement Section
Environment and Natural Resources Division
U.S. Department of Justice
P.O. Box 7611
Ben Franklin Station
Washington, D.C. 20044-7611
RE: DOJ No. 90-5-1-1-4022/1
Walter.Benjamin.Fisherow@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 – Suite 200
400 N. Congress Ave.
West Palm Beach, FL 33401
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 – 2015
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 Miami-Dade Water and Sewer Department (MDWASD) submits to both the United States Environmental Protection Agency (EPA) and the State of Florida Department of Environmental Protection (FDEP) the 2015 Quarterly Report No.2. The 2015 Quarterly Report No.2 covers the period of time from April 1, 2015 through June 30, 2015.

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.

QUALITY. VALUE. ECONOMIC GROWTH.
WWW.MIAMIDADE.GOV/WATER

Should you have any questions regarding this matter, please call me at (786) 552-8571.

Sincerely,

Juan Carlos Arteaga, AIA, NCARB, CBO, APA
Deputy Director

Attachment: 2015 Quarterly Report No.2

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 – Suite 200
400 N. Congress Ave.
West Palm Beach, FL 33401
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
Director, Miami-Dade Regulatory and
Economic Resources
111 NW 1st St
29th Floor
Miami, FL 33128
Josterholt@miamidade.gov

Robert A. Cuevas, Jr.
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

This Page Has Been Intentionally Left Blank

2015 Quarterly Report No. 2

April 1, 2015 through June 30, 2015

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 Water and Sewer Department and the Consent Decree Program Management Construction Management Team

QUALITY. VALUE. ECONOMIC GROWTH.

WWW.MIAMIDADE.GOV/WATER

This Page Has Been Intentionally Left Blank

2015 Quarterly Report No. 2

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 requirement for submittal of the 2015 Quarterly Report No. 2 on or before July 30, 2015.

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 information on how the Sanitary Sewer Overflow (SSO) was resolved, including the immediate fix and any proposed long term solution. While not 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.

3.1 SSOs (Excluding Building Backups)

During this reporting period, there were seven (7) 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 four (4) of the seven (7) aforementioned events were caused by the respective contractors. These four (4) 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 2 documents all SSO events (excluding Building Backups) for the second calendar quarter of 2015. There were a total of twenty-three (23) SSO events:

- Eleven (11) events involved force mains
- Ten (10) events involved gravity mains
- Two (2) events involved automatic air release valves

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

Table 1 – Description of Contractor Liable SSO Events

	Date	Location	Overflow Volume (gallons)	Contractor
1	14-Apr-15	SW 102 Avenue & Hibiscus Street	347,580	I & C Earth Movers
2	20-Apr-15	11200 NW 36 Avenue	6,180	RJR Construction
3	04-Jun-15	8390 NW 25 Street	75,000	Astaldi Construction
4	10-Jun-15	529 SW 109 Avenue	150	Mears Construction

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 that was submitted on July 6, 2015. MDWASD will start the implementation of the SORP once the proposed Plan has been reviewed and approved by the EPA and FDEP.

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 Wastewater Collection and Transmission System. 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.

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

4.0 Amendment to Last Quarterly Report

No amendments are required at this time.

Table 2 - Sanitary Sewer Overflows (Excluding 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
04-Apr-15	11:15 AM	6221 SW Kendal Lakes Circle	GM	1:20	20	Storm drain	No	Gravity main blockage due to grease	Cleared gravity main grease blockage and notified local regulatory agency (RER-DERM)	Yes	Placed on accelerated cleaning cycle
06-Apr-15	11:00 AM	5825 NW 74 Avenue	FM	1:55	100	Storm drain	No	6" CIP force main broken due to corrosion - low pH discharge from bottling plant suspected as cause	Repaired broken force main and notified local regulatory agency (RER-DERM)	No	No further action required
06-Apr-15	11:30 AM	18900 NE 14 Avenue	FM	9:30	4,880	Lake connected to Snake Creek Canal	Yes	8" AC force main broken by contractor. Location of force main was improperly marked by MDWASD	Repaired broken force main	Yes	AC force main to be replaced as part of Consent Decree
10-Apr-15	9:53 AM	11161 SW 88 Street	GM	3:37	25	Land	No	Gravity main blockage due to grease	Cleared gravity main grease blockage and notified local regulatory agency (RER-DERM)	Yes	Shorten the frequency of existing accelerated cleaning cycle
12-Apr-15	5:05 PM	11161 SW 88 Street	GM	3:55	300	Land	No	Gravity main blockage due to grease	Cleared gravity main grease blockage and notified local regulatory agency (RER-DERM)	Yes	Shorten the frequency of existing accelerated cleaning cycle
13-Apr-15	8:22 PM	26501 SW 129TH Avenue	GM	0:59	5	Land	No	Gravity main blockage due to grease	Cleared gravity main grease blockage and notified local regulatory agency (RER-DERM)	No	No further action required
14-Apr-15	9:30 AM	11259 SW 84 Street	GM	0:45	50	Land	No	Gravity main blockage due to grease	Cleared gravity main grease blockage and notified local regulatory agency (RER-DERM)	Yes	Shorten the frequency of existing accelerated cleaning cycle
14-Apr-15	2:12 PM	SW 102 Avenue & Hibiscus Street	FM	3:03	347,580	Land	No	12"CIP force main broken by contractor	Repaired force main broken by contractor. Contractor held liable for damages[1]	No	No further action required
19-Apr-15	9:41 AM	13155 SW 120TH Street	FM	2:29	13,350	Storm drain	No	8" PVC force main broken due to point loading caused by improper pipe bedding from past construction	Repaired broken force main	No	No further action required
20-Apr-15	11:30 AM	11200 NW 36 Avenue	FM	1:30	6,180	Storm drain	No	12" PVC force main broken by contractor	Repaired force main broken by contractor. Contractor held liable for damages[1]	No	No further action required
07-May-15	11:45 AM	10220 SW 176 Street	FM	2:15	6,075	Land	No	8" AC force main broken by contractor.	Repaired force main broken by contractor	No	No further action required

Table 2 - Sanitary Sewer Overflows (Excluding 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
08-May-15	9:00 AM	4250 SW 138 Avenue	FM	0:20	1,520	Land	No	6" CIP force main broken due to point loading caused by improper pipe bedding from past construction	Repaired broken force main	No	No further action required
12-May-15	10:45 AM	153 Harbor Drive, Key Biscayne	AARV	0:45	2	Land	No	Automatic air release valve (AARV) clogged due to grease	Replaced AARV	No	No further action required
14-May-15	8:30 AM	301 Sunrise Drive, Key Biscayne	GM	2:00	5	Land	No	Gravity main blockage due to rain dish stuck in invert of manhole	Cleared gravity main blockage	Yes	Check manholes in vicinity
17-May-15	9:23 PM	13791 SW 66 Street	GM	1:07	10	Land	No	Gravity main blockage due to grease	Cleared gravity main grease blockage and notified local regulatory agency (RER-DERM)	Yes	Placed on accelerated cleaning cycle
26-May-15	12:50 PM	17635 SW 103 Avenue	FM	2:40	6,580	Storm drain	No	8" AC force main broken due to differential loading	Repaired broken force main	Yes	AC force main to be replaced as part of Consent Decree
04-Jun-15	3:15 PM	13450 SW 120 Street	GM	1:00	40	Storm drain	No	Gravity main blockage due to grease	Cleared gravity main grease blockage and notified local regulatory agency (RER-DERM)	No	No further action required
04-Jun-15	10:45 PM	8390 NW 25 Street, Doral	FM	2:15	75,000	North Line Canal	Yes	20" DIP force main broken by contractor	Repaired force main broken by contractor. Contractor held liable for damages[1]	No	No further action required
10-Jun-15	11:30 PM	529 SW 109 Avenue, Sweetwater	FM	1:30	150	Land	No	4" PVC force main broken by contractor (Mears Construction)	Repaired force main. Contractor billed for damages1	No	No further action required
16-Jun-15	4:00 PM	890 SW 84 Avenue	GM	1:00	10	Land	No	Gravity main blockage due to grease	Cleared gravity main grease blockage and notified local regulatory agency (RER-DERM)	Yes	Placed on accelerated cleaning cycle
18-Jun-15	8:29 AM	SW 104 Avenue & SW 176 Street	FM	3:31	728	Land	No	8" AC force main broken by contractor compacting road and caused hairline crack	Repaired force main.	Yes	AC force main to be replaced as part of Consent Decree
29-Jun-15	9:25 AM	18329 NW 45 Avenue, Miami Gardens	AARV	3:20	25	Land	No	Automatic air release valve (AARV) clogged due to debris	Replaced broken AARV	No	No further action required
29-Jun-15	11:20 AM	12840 SW 216 Terrace	GM	2:50	20	Land	No	Gravity main blockage due to grease	Cleared gravity main grease blockage and notified local regulatory agency (RER-DERM)	Yes	Shorten the frequency of existing accelerated cleaning cycle

Notes: **1**: Please see attached supporting documentation in Appendix A

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
21-Apr-15	N/A	5851 SW 76th Street	LAT	N/A	1	Bldg. Backup	No	Roots in MDWASD lateral	MDWASD repaired the lateral	No	No further action required
4-May-15	N/A	8541 NW 196 Terrace	LAT	N/A	1	Bldg. Backup	No	Sewer Backup due to misaligned MDWASD lateral	MDWASD repaired the lateral	No	No further action required
10-May-15	N/A	8001 NW 7 Street	LAT	N/A	1	Bldg. Backup	No	MDWASD lateral blockage	MDWASD cleared gravity main blockage	No	No further action required
14-May-15	N/A	9397 SW 130 Street	LAT	N/A	1	Bldg. Backup	No	MDWASD lateral had belly in the line	MDWASD replaced the lateral	No	No further action required
19-May-15	N/A	630 NW 114 Avenue, #104	LAT	N/A	1	Bldg. Backup	No	MDWASD lateral blockage	MDWASD cleared gravity main blockage	No	No further action required
29-May-15	12:30 PM	8250 SW 86th Terrace	LAT	N/A	2	Bldg. Backup	No	MDWASD lateral blockage	MDWASD cleared gravity main blockage	No	No further action required
14-Jun-15	1:44 PM	2825 NW 2 Ave	LAT	N/A	1	Bldg. Backup	No	Sewer backup due to damaged MDWASD lateral	MDWASD replaced the lateral	No	No further action required
29-Jun-15	2:15 PM	2260 NW 34th Street	LAT	N/A	1	Bldg. Backup	No	MDWASD lateral blockage	MDWASD cleared gravity main blockage	No	No further action required

This Page Has Been Intentionally Left Blank

Appendix A

Supporting Documentation for SSO Events Caused by Contractors

This Page Has Been Intentionally Left Blank

A.1 Supporting Document for April 14, 2015 SSO Event on SW 102 Avenue and Hibiscus Street Caused by Contractor

Figure A.1.1 - 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

06/01/2015 Certified 7006 0810 0004 0694 3132

I & C EARTHMOVERS, CORP.
13436 SW 19th LANE
MIAMI, FL 33175

Attn: LEONEL GARCIA

Re: File No: JS04868

Expenses were incurred by Miami Dade Water and Sewer Department to repair and restore service to a damaged 12-inch DIP Sewer Force Main at Hibiscus St. and SW 102nd Avenue. The damage was caused by a track-hoe during excavation to install drainage for Miami Dade County Public Works Department under project #20130235. The sewer main was marked correctly. The sewer force main was clearly visible and exposed in the trench line. The damage was reported by I & C Earthmovers. The contractor was excavating under Sunshine State One Call location ticket #084510131. Damage/Repair Date: 04/14/2015.

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

A.2 Supporting Document for April 20, 2015 SSO Event on 11200 NW 36 Avenue Caused by Contractor

Figure A.2.1 – Notice letter sent to contractor

#3

MIAMI-DADE COUNTY

miamidade.gov

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

06/12/2015 Certified 7006 0810 0004 0694 3347

RJR Construction Inc.
7025 S.W. 19 Terrace
Miami, FL 33155

Attn: Accounts Payable

Re: File No: JS04941

Expenses were incurred by Miami Dade Water and Sewer Department to repair and restore service to a damaged 12-inch sewer force main at 11200 NW 36th Avenue. The damage occurred during work operation to install a new sewer gravity main for Miami Dade Water & Sewer Department. The 12-inch sewer force main was marked correctly. The incident was reported by WASD Inspector, Orlando Valdes. The contractor was excavating under Sunshine State One Call location ticket #105507183. Damage/Repair Date: 04/20/2015.

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

A.3 Supporting Document for June 04, 2015 SSO Event on 8390 NW 25 Street Caused by Contractor.

Figure A.3.1 - Notice letter sent to contractor

#5

MIAMI-DADE COUNTY

miamidade.gov

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

06/30/2015 Certified 7003 1680 0004 5647 2140

ASTALDI CONSTRUCTION CORPORATION
8220 STATE ROAD 84
DAVIE, FL 33324

Attn: PAOLO ASTALDI

Re: File No: JS05007

Expenses were incurred by Miami Dade Water and Sewer Department to repair and restore service to a damaged 20-inch Ductile Iron Sewer Force Main at 8400 NW 25th Street. The damage was caused by a track-hoe during construction work for FDOT. The damage was reported by Jason Perez, a representative for Astaldi Construction Corporation. The contractor was excavating under Sunshine State One Call location ticket # 113502015. Damage/Repair Date: 06/04/15.

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

A.4 Supporting Document for June 10, 2015 SSO Event on 529 SW 109 Avenue Caused by Contractor.

Figure A.4.1 - Notice letter sent 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

approved 7/10/15

07/10/2015 Certified 7003 1680 0004 5647 2614

MEARS GROUP INC.
12101 NW 98th AVENUE #3
HIALEAH GARDENS, FL 33018

Attn: BLAS RIESGO

Re: File No: JS04980

Expenses incurred by Miami Dade Water and Sewer Department to repair and restore service to a damaged 4-inch PVC sewer force main at 529 SW 109th Ave. The sewer force main was damaged by machinery during excavation to install a gas line for Florida City Gas. The damage was reported by Oscar, a representative for Mears Group Inc. The contractor was excavating under Sunshine State One Call location ticket # 154500339. Damage/Repair Date: 06/11/2015.

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

7003 1680 0004 5647 2614

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)
For delivery information visit our website at www.usps.com®
OFFICIAL USE

Postage	$
Certified Fee	
Return Reciept Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$

Postmark Here

Sent To
Street, Apt. No.; or PO Box No.
City, State, ZIP+4

PS Form 3800, June 2002 See Reverse for Instructions