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VIA ELECTRONIC CORRESPONDENCE

October 27, 2014

CCN: 58789
File No: 8DC.20.32

Chief, Clean Water Enforcement Branch
Water Protection Division
ATTN: Brad Ammons
U.S. Environmental Protection Agency, Region 4
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Florida Department of Environmental Protection
Southeast District – Suite 200
400 N. Congress Ave.
West Palm Beach, FL 33401
Attn: Compliance/Enforcement Section
Sed.wastewater@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 – 2014 Quarterly
Report No. 3**

Dear Sirs:

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 2014 Quarterly Report No. 3, covering the period of time from July 1, 2014 through September 30, 2014.

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) 552-8571.

Sincerely,

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

Attachment: 2014 Quarterly Report No. 3



Paragraph 32, Consent Decree Quarterly Report
October 27, 2014
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ec:

Chief, Environmental Enforcement Section
Environment and Natural Resources Division
U.S. Department of Justice
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Re: DOJ No. 90-5-1-1-4022/1
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2014 Quarterly Report No. 3

July 1, 2014 through September 30, 2014

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**



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Quarterly Report of Sanitary Sewer Overflows (SSOs)

1.0 Purpose

On April 9, 2014, Miami-Dade County entered into a Consent Decree (CD) with the United States of America, 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 third Quarterly Report of 2014 on or before October 30, 2014.

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 also contains information on how the 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 Federal Judge's Semi-Annual Report.

3.1 SSOs (Excluding Building Backups)

Table 1 documents all SSO events (excluding Building Backups) for the third calendar quarter of 2014. There were a total of thirty-eight (38) SSO events:

- Eight (8) events involved force mains
- Nineteen (19) events involved gravity mains
- Three (3) events involved pump stations
- Four (4) events involved automatic air release valves
- Four (4) events involved manual air release valves

Only four (4) of the SSOs discharged to waters of the United States.

The following addresses acronyms and abbreviations used in the table.

FM	Force Main	PS	Pump Station
GM	Gravity Main	ARV	Manual Air Release Valve
LAT	Lateral	AARV	Automatic Air Release Valve

3.2 Building Backups

The County follows standard procedures to resolve and minimize the occurrence of Building Backups. These procedures will be re-evaluated in the development of the new CMOM Programs required by the current Consent Decree.

Presently, the Department's procedures for the response to, and the reporting and documenting of Building Backups are different from those of sanitary sewer overflows within the Department's waste 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. The Building Backup information can be viewed in Table 2.

4.0 Amendment to Last Quarterly Report

Not applicable.

Table 1 - 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
05-Jul-14	5:10 PM	9133 SW 227th St - Cutler Bay	GM	1:10	20	Storm Drain	No	Gravity main blockage due to grease and rags	Cleared gravity main grease blockage	Yes	Accelerated cleaning cycle
07-Jul-14	11:00 AM	SW 102nd St & SW 112th Ave	FM	1:30	20,000	Storm Drain, Kendall Canal	Yes	Broken 16" Ductile Iron Pipe (DIP) Force Main due to corrosion at tap for automatic air release valve	Repaired corroded section of force main	No	Contacted Construction Management to make sure area around taps are properly coated. No further action required
12-Jul-14	2:00 PM	19638 NW 79th PL	GM	4:00	200	Storm Drain	No	Gravity main broken by Contractor (MASTEC) directional drilling for AT&T	Repaired gravity main broken by contractor	No	Contractor being held liable. No further action required
14-Jul-14	12:20 PM	SW 344th St & SW 5th Ave - Florida City	AARV	0:30	9,930	Land	No	Automatic air release valve broken by Contractor (ADS) directional drilling for FPL	Replaced automatic air release valve broken by contractor	No	Contractor being held liable. No further action required
16-Jul-14	11:00 AM	NW 20th Ct & NW 11th St	AARV	0:15	10	Storm Drain	No	Leaking/clogged automatic air release valve	Replaced clogged automatic air release valve	No	No further action required
16-Jul-14	4:30 PM	SW 121st Ave & SW 39th Ter	ARV	3:52	2,520	Storm Drain	No	Broken manual air release valve	Repaired broken manual air release valve	No	No further action required
17-Jul-14	2:45 PM	SW Sterling Dr & SW 93rd PL - Cutler Bay	FM	0:45	11,575	Land	No	6" Asbestos Cement force main broken by WASD Distribution crew	Repaired 6" AC force main broken by WASD	Yes	Force main to be replaced per Consent Decree Paragraph 19(g)
21-Jul-14	2:00 PM	541 SW 8th St - Florida City	PS	0:15	750	Land	No	PS 691 overflow due to City of Homestead delay in closing their treatment plant bypass valve which bypasses to WASD PS 691	Closing of City of Homestead bypass valve to PS 691	Yes	Bypass flow limit to PS 691 being negotiated. CD Projects 5.2 & 5.3 improvements will address flow limitations.
24-Jul-14	1:15 PM	11014 SW 155th Ter	GM	0:55	35	Storm Drain	No	Gravity main blockage due to grease	Cleared gravity main grease blockage	No	No further action required
25-Jul-14	9:25 PM	15240 SW 45th Ter	GM	0:40	10	Storm Drain	No	Gravity main blockage due to grease	Cleared gravity main grease blockage	No	No further action required
26-Jul-14	11:38 AM	10140 Broad Channel Dr - Cutler Bay	GM	3:32	15	Land	No	Gravity main blockage due to grease	Cleared gravity main grease blockage	No	No further action required
26-Jul-14	1:40 PM	8781 NW 178th St	FM	2:20	1,820	Land	No	Leaking 12" dip force main due to rolled rubber seal at joint	Repaired leaking force main	No	No further action required
28-Jul-14	4:30 PM	9101 SW 144th St	FM	2:30	900	Land	No	6" AC force main leaking due to corrosion	Repaired force main	Yes	Force main to be replaced per Consent Decree Paragraph 19(g)
29-Jul-14	3:00 PM	NW 199th St & NW 39th Ave	FM	1:18	1,780	Storm Drain, Carol City Canal	Yes	12" AC force main leaking due to corrosion	Repaired leaking force main	Yes	Force main to be replaced per Consent Decree Paragraph 19(g) or CD Project 4.9
01-Aug-14	8:45 PM	29487 SW 144th Ave	GM	1:00	20	Storm Drain	No	Gravity main blockage due to grease	Cleared gravity main grease blockage	No	No further action required
01-Aug-14	8:45 PM	29231 SW 142nd Ct	GM	1:00	5	Land	No	Gravity main blockage due to grease	Cleared gravity main grease blockage	No	No further action required
09-Aug-14	9:50 AM	17960 NW 44th Ave	GM	1:55	50	Land	No	Gravity main blockage due to grease	Cleared gravity main grease blockage	No	No further action required
09-Aug-14	2:11 PM	16812 SW 107th PL	GM	1:34	10	Storm Drain	No	Gravity main blockage due to grease	Cleared gravity main grease blockage	No	No further action required
09-Aug-14	3:45 PM	17001 SW 109th Ave	GM	0:05	20	Storm Drain	No	Gravity main blockage due to grease	Cleared gravity main grease blockage	No	No further action required
12-Aug-14	10:30 AM	501 Brickell Key Dr	ARV	1:50	5,800	Biscayne Bay	Yes	Leaking Blow-off assembly due to external gal. pipe corrosion	Turned off corporation stop	No	No further action required

Table 1 - 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
14-Aug-14	12:48 PM	12205 NW 6th St	AARV	1:52	25	Land	No	Leaking/clogged automatic air release valve	Replaced clogged automatic air release valve	No	No further action required
15-Aug-14	5:00 PM	18001 Old Cutler Rd	PS	1:00	500	Land	No	DCC Level Controller failed	Replaced level controller - this is a temporary repair	Yes	A new DCC Level Controller is expected from manufacturer within 6 months
16-Aug-14	11:00 AM	SW 145th Ct & SW 110th St	GM	1:45	50	Storm Drain	No	Gravity main blockage due to grease	Cleared gravity main grease blockage	No	No further action required
16-Aug-14	10:32 PM	1090 Quail Ave - Miami Springs	GM	1:58	2,400	Land	No	Gravity main blockage due to roots	Cleared gravity main root blockage	No	No further action required
18-Aug-14	12:13 PM	2601 NE 205th St	GM	11:17	90	Land	No	Gravity main blockage due to grease	Cleared gravity main grease blockage	No	No further action required
19-Aug-14	4:14 PM	7841 NW 170th St	ARV	3:16	10,800	Storm Drain, Canal	Yes	Manual air release valve broken by Contractor (Williams Paving) while excavating for new sidewalk	Replaced manual air release valve broken by contractor	No	Contractor being held liable. No further action required.
20-Aug-14	3:12 PM	13200 SW 12th St	ARV	0:18	80	Storm Drain	No	Leaking manual air release valve	Replaced manual air release valve	No	No further action required
21-Aug-14	9:15 PM	15796 sw 298TH Ter	GM	1:00	20	Storm Drain	No	Gravity main blockage due to grease	Cleared gravity main grease blockage	No	No further action required
22-Aug-14	12:20 PM	NW 84th Ave & Park Blvd	AARV	0:01	1	Land	No	Leaking/clogged automatic air release valve	Replaced clogged automatic air release valve	No	No further action required
24-Aug-14	1:30 PM	16701 NW 74th Ct	GM	2:00	50	Storm Drain	No	Gravity main blockage due to grease	Cleared gravity main grease blockage	No	No further action required
27-Aug-14	4:55 PM	SW 101st Ct & SW 72nd St	FM	1:30	20,500	Storm Drain	No	6" cast iron force main broken by Contractor (AT&T) while directional drilling	Repaired force main broken by contractor	No	Contractor being held liable. No further action required
28-Aug-14	11:30 AM	Collins Ave & NE189th St - Sunny Isles Beach	FM	2:10	48,360	Storm Drain	No	6" cast iron force main broken due to external corrosion	Repaired force main broken by corrosion	Yes	6" cast iron force main is presently contracted (NTP issued) for replacement
28-Aug-14	9:02 PM	15021 SW 170th Ter	GM	0:53	25	Storm Drain	No	Gravity main blockage due to debris	Cleared gravity main blockage	No	No further action required
04-Sep-14	11:00 AM	340 Ocean Dr - Key Biscayne	PS	0:45	100	Land	No	Clogged pump #1 and bad motor on pump #2	Unclogged Pump #1, cleaned debris from wetwell, and Motor #2 is being overhauled	Yes	Motor #1 will be overhauled as soon as Motor #2 is complete
10-Sep-14	10:40 PM	18720 NW 48th PL	GM	0:10	25	Land	No	Gravity main blockage due to grease	Cleared gravity main grease blockage	No	No further action required
15-Sep-14	11:00 AM	SW 184th St & Franjo Rd	GM	0:30	20	Land	No	Gravity main blockage due to grease	Cleared gravity main grease blockage	No	No further action required
16-Sep-14	12:26 PM	5825 NW 74th Ave	FM	3:51	2,310	Storm Drain	No	8" DIP force main leakage due to corrosion - high pH discharge from bottling plant suspected as cause	Repaired force main broken due to corrosion and notified local regulatory agency (DERM)	Yes	Force main recommended for replacement
29-Sep-14	4:00 PM	14004 SW 268th St	GM	1:30	40	Land	No	Gravity main blockage due to grease	Cleared gravity main grease blockage	No	No further action required

Table 2 - 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
02-Jul-14	n/a	4330 NE 2nd Ave	LAT	n/a	1	Bldg. Backup	No	Turbulent splash from owner's toilet, partly caused by MDWASD maintenance crews cleaning/jetting nearby gravity main*	Customer's bathroom cleaned, sanitized and deodorized	No	No further action required
08-Jul-14	2:18 PM	1001 W Flagler St	LAT	n/a	1	Bldg. Backup	No	Maintenance jetting to clear gravity main blockage caused small backup on customer property*	Customer's property cleaned, sanitized and deodorized	No	No further action required
22-Jul-14	n/a	23 NE 41st St	LAT	n/a	1	Bldg. Backup	No	Turbulent splash from owner's toilet, partly caused by MDWASD maintenance crews cleaning/jetting nearby gravity main*	Customer's bathroom was cleaned, sanitized, and deodorized	No	No further action required
01-Aug-14	n/a	8001 SW 24th St	LAT	n/a	1	Bldg. Backup	No	Turbulent splash from owner's toilets (2), partly caused by MDWASD maintenance crews cleaning/jetting nearby gravity main*	No compensation requested by customer at this time	No	No further action required
08-Aug-14	n/a	2736 SW 7th Ave	LAT	n/a	2	Bldg. Backup	No	Lateral blockage due to roots	Customer to be reimbursed for plumbing bills. Roots removed	No	No further action required
12-Aug-14	n/a	260 NW 25th St	LAT	n/a	1	Bldg. Backup	No	Turbulent splash from owner's toilet, partly caused by MDWASD maintenance crews cleaning/jetting nearby gravity main*	No compensation requested by customer at this time	No	No further action required
09-Sep-14	11:09 AM	15486 SW 110th Terr	LAT	n/a	3	Bldg. Backup	No	Lateral blockage due to roots	Customer will be reimbursed for plumbing bills. Roots removed	No	No further action required
24-Sep-14	n/a	525 NE 15th St	LAT	n/a	5	Bldg. Backup	No	Turbulent splash from owner's toilet, partly caused by MDWASD maintenance crews cleaning/jetting nearby gravity main*	Customer's bathroom and hallway cleaned, sanitized and deodorized as required	No	No further action required

*The discharge associated with this type of event is typically from a toilet and of very low volume (less than a gallon). It can, in part, be the result of dry traps or clogged vent pipes in the customers system.