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VIA ELECTRONIC CORRESPONDENCE

July 28, 2014

CCN: 58586
File No: 8DC.20.32

Chief, Clean Water Enforcement Branch
Water Protection Division
ATTN: Brad Ammons
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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. 2**

Dear Mr. Ammons:

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. 2, covering the period of time from April 1, through June 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. 2

Mr. Brad Ammons
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July 28, 2014
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ec:

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Quarterly Report No. 2

April 1, 2014 through June 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 second Quarterly Report on or before July 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 second calendar quarter of 2014. There were a total of twenty three (23) SSO events:

- Eight (8) events involved force mains,
- Eleven (11) events involved gravity mains,
- One (1) event involved a pump station, and
- Three (3) events involved automatic air release valves.

Only two (2) 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 the 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.

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	
										Reqd (Yes/No)	Solution
11-Apr-14	8:25 AM	SW 122nd Ave & SW 122nd St	AARV	2:00	2,232	Storm Drain	No	Broken automatic air release valve riser coupling	Replaced ARV with brass coupling	No	No further action required
16-Apr-14	8:49 AM	100 Ocean Lan Dr - Key Biscayne	GM	2:21	300	Biscayne Bay	Yes	Gravity main blockage due to grease and debris	Cleared gravity main blockage	No	Isolated incident, no further action required
17-Apr-14	9:14 AM	SW 127th Ave & SW 108th St	FM	2:16	14,144	Storm Drain	No	Broken 8" AC force main due to point loading	Repaired broken force main	Yes	All AC force mains to be replaced per Consent Decree
19-Apr-14	6:20 PM	SW 122nd Ave & SW 126th Terr	FM	1:40	7,140	Storm Drain	No	Broken force main due to point loading	Repaired leaking force main	No	Isolated incident, no further action required
25-Apr-14	11:39 PM	NW 77th St & NW 32nd Ave	FM	2:51	17,000	Storm Drain	No	12" force main broken by Contractor (DownRite Engineering)	Repaired 12" force main broken by Contractor	No	Contractor held liable. No further action required
28-Apr-14	9:20 AM	9856 SW 88th St	GM	1:40	100	Storm Drain	No	Gravity main blockage due to debris (rags)	Cleared gravity main debris blockage	Yes	FOG flyers. Smart cover to be relocated
30-Apr-14	2:16 PM	30337 SW 158th PL	AARV	0:39	5	Canal	Yes	Leaking/Clogged automatic air release valve	Replace leaking/clogged automatic air release valve	No	No further action required
01-May-14	2:27 PM	12840 SW 216th Ter	GM	1:33	10	Storm Drain	No	Gravity main blockage due to grease	Cleared gravity main grease blockage	No	No further action required
01-May-14	9:16 PM	SW 96th ST & SW 137th Ave	FM	0:59	10	Land	No	Leaking check valve due to lack of packing material	Repacked check valve	No	No further action required
02-May-14	2:03 PM	12501 SW 207th Ter	GM	1:27	10	Storm Drain	No	Gravity main blockage due to grease	Cleared gravity main grease blockage	No	No further action required
03-May-14	3:28 PM	12235 SW 263rd Ter	GM	1:27	5	Land	No	Gravity main blockage due to grease	Cleared gravity main grease blockage	No	No further action required
05-May-14	7:40 PM	NW 54th PL & NW 194th Ln	FM	4:20	166,860	Storm Drain	No	6" AC force main broken by WASD North Water Distribution Crew	Repaired broken 6" AC force main	Yes	All AC force mains to be replaced per Consent Decree
07-May-14	10:00 AM	14837 SW 80th St	GM	2:20	20	Storm Drain	No	Gravity main blockage due to grease	Cleared gravity main grease blockage	No	No further action required
12-May-14	8:34 AM	NW 107th Ave & NW 18th St	GM	1:41	60	Storm Drain	No	Gravity main broken by Contractor (Bellacom, Inc.) while jack and boring	Repaired gravity main broken by contractor	No	Isolated incident, no further action required
21-May-14	12:30 AM	NW 58th St & NW 74th Ave	FM	2:40	2,688	Storm Drain	No	Leaking 8" dip fm due to corrosion - bottling plant low ph discharge suspected	Repaired corroded section of force main	Yes	Reported to RER, investigating possible force main replacement.
27-May-14	11:37 AM	14570 SW 289th St	GM	1:23	75	Storm Drain	No	Gravity main blockage due to grease	Cleared gravity main grease blockage	No	Isolated incident, no further action required
31-May-14	12:00 PM	17801 NW 74th Ct	GM	4:00	75	Storm Drain	No	Gravity main blockage due to grease	Cleared gravity main grease blockage	No	Isolated incident, no further action required
02-Jun-14	4:20 PM	NE 35th Ave & NE 164th St	FM	3:10	9,690	Storm Drain	No	Broken 10" dip fm due to corrosion (exterior)	Repaired corroded section of broken force main	No	No further action required
05-Jun-14	1:50 PM	6990 SW 44th St	PS	0:20	500	Storm Drain	No	Pump Station 561 - check valve in dry well shattered flooding the dry well	Check valve replaced. All pumps, motors and control panel rebuilt.	No	No further action required
10-Jun-14	8:30 PM	8922 SW 148th St	AARV	0:50	25	Land	No	Clogged automatic air release valve	Replaced broken clogged automatic air release valve	No	No further action required
19-Jun-14	12:00 PM	1094 NE 210 Ter	GM	3:14	30	Storm Drain	No	Gravity main blocked due to rocks - suspect point repair field crews as source	Cleared gravity main blockage. Requested field repair crews be more careful.	No	No further action required
20-Jun-14	8:30 AM	Caribbean Blvd & Cutler Redge Dr	FM	0:30	11,100	Storm Drain	No	Manual air release valve broken by Contractor (Acosta Tractors)	Repaired broken manual air release valve	No	Contractor held liable
21-Jun-14	2:23 PM	8800 SW 136th St	GM	1:37	50	Storm Drain	No	Gravity main blockage due to grease	Cleared gravity main blockage	Yes	Accelerated cleaning cycle and smart cover to be installed.

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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	
										Reqd (Yes/No)	Solution
02-Apr-14	N/A	35350 SW 177th Ct - #31	LAT	N/A	2	Bldg. Backup	No	Turbulent splash from owner's toilets (2), partly caused by MDWASD maintenance crews cleaning/jetting nearby gravity main.*	Owners bathrooms were cleaned and sanitized.	No	No further action required
02-Apr-14	3:36 PM	13229 NW 5th Terr	LAT	N/A	1	Bldg. Backup	No	Lateral blockage on WASD side caused by lateral broken by a cable contractor at an earlier date	Repaired lateral, WASD not liable.	No	No further action required
09-Apr-14	N/A	6221 NW 36th St - Virginia Gardens	LAT	N/A	2	Bldg. Backup	No	Turbulent splash from owner's toilets (2), partly caused by MDWASD maintenance crews cleaning/jetting nearby gravity main.*	Owners bathrooms were cleaned and sanitized.	No	No further action required
11-Apr-14	N/A	21120 Jib Ct. Unit K13 - Aventura	LAT	N/A	1	Bldg. Backup	No	Turbulent splash from owner's toilet, partly caused by MDWASD maintenance crews cleaning/jetting nearby gravity main.*	Owners bathrooms were cleaned and sanitized.	No	No further action required
24-May-14	N/A	2921 SW 117th Ct	LAT	N/A	50	Bldg. Backup	No	Lateral blockage on WASD side caused by lateral broken by a cable contractor at an earlier date.	Repaired WASD lateral previously broken by cable contractor. WASD not liable.	No	No further action required
27-May-14	N/A	6407 Windmill Gate Rd - Miami Lakes	LAT	N/A	10	Bldg. Backup	No	Turbulent splash from owner's toilets (4), partly caused by MDWASD maintenance crews cleaning/jetting nearby gravity main.*	Claim investigated, owners bathrooms, cleaned, sanitized, and deodorized as required.	No	No further action required
11-Jun-14	N/A	351 NW 45th Ave	LAT	N/A	5	Bldg. Backup	No	Turbulent splash from owner's toilets (2), partly caused by MDWASD maintenance crews cleaning/jetting nearby gravity main.*	Owners bathrooms were cleaned and sanitized.	No	No further action required
13-Jun-14	11:06 PM	135 NW 206th Terr	LAT	N/A	50	Bldg. Backup	No	Surcharging due to gravity main repairs caused lateral blockage.	Gravity Main repairs completed. Owner reimbursed for damage/expenditures.	No	No further action required
18-Jun-14	10:43 AM	9551 Caribbean Blvd	LAT	N/A	5	Bldg. Backup	No	Combination of 6" lateral broken by roadway work contractor, and WASD jetting to clear anticipated gravity main blockage.*	Owner reimbursed for cleaning and sanitizing. Repaired broken 6" lateral.	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.