

IN THE UNITED STATES DISTRICT COURT
FOR THE SOUTHERN DISTRICT OF FLORIDA
MIAMI DIVISION

Civil Action No. 1:12-cv-24400-FAM

THE UNITED STATES OF AMERICA et al.,)
)
Plaintiffs,)
)
v.)
)
MIAMI-DADE COUNTY, FLORIDA,)
)
Defendant.)
)
_____)

**UNITED STATES’ TENTH STATUS REPORT
FOR THE JULY 1, 2018 TO DECEMBER 31, 2018 REPORTING PERIOD**

Pursuant to this Court’s April 9, 2014 Order Requiring Status Reports (Doc. No. 157) and this Court’s Order Granting Unopposed Motion for Extension of Time (Doc. No. 177), the United States of America submits this Tenth Status Report covering the reporting period of July 1, 2018 to December 31, 2018 (“Reporting Period”). The United States will submit the next Status Report for the period of January 1, 2019 to June 30, 2019 no later than sixty (60) days after EPA receives Miami-Dade County’s (“Miami-Dade’s”) Semi-Annual Report for that time period to be submitted pursuant to Paragraph 33 of the Consent Decree entered in this matter by the Court on April 9, 2014. (*See also* Doc. No. 177).

This Status Report provides the Court with information regarding Sanitary Sewer Overflows (“SSOs”) that occurred during the applicable Reporting Period and Miami-Dade’s compliance during the applicable Reporting Period with the Consent Decree. The State of Florida Department of Environmental Protection (“FDEP”) and Miami-Dade were provided with the opportunity to review this Status Report prior to this filing and do not dispute underlying facts of the matters reported herein.

A. SSOs During the Reporting Period.

Please see Exhibit 1 of this Status Report for a table of the forty-seven (47) SSOs (not including Building Backups, as that term is defined in Paragraph 8.(a). of the Consent Decree) that occurred during this Reporting Period. These forty-seven (47) SSOs had a combined total volume of 649,491 gallons.

From EPA’s review of Miami-Dade’s reporting regarding these SSOs, it appears that Miami-Dade timely and appropriately responded to and addressed these SSOs. Of the total forty-seven (47) SSOs reported (not including Building Backups), only eight (8) SSOs were ten thousand (10,000) gallons or greater. Four (4) of the eight (8) SSOs that were ten thousand (10,000) gallons or greater occurred because of County contractors breaking a force main or asbestos cement force main. Two (2) of the eight (8) SSOs that were ten thousand (10,000) gallons or greater occurred in broken force mains due to point loads. One (1) of the eight (8) SSOs that were ten thousand (10,000) gallons or greater was caused by a non-County contractor breaking a force main. The remaining SSO that was ten thousand (10,000) gallons or greater was

caused by a coupling failure on a force main. Long-term solutions to the force main SSOs will be addressed by implementation of the Force Main Operations, Preventative Maintenance and Assessment/Rehabilitation Program (Paragraph 19.(g). of the Consent Decree) and implementation of the Appendix D capital improvements for the asbestos cement force mains pursuant to Paragraph 19.(i). of the Consent Decree.

Of the eight (8) larger SSOs, only one (1) SSO (191,049 gallons; caused by a coupling failure on a force main) reached waters of the United States and thus is subject to potential federal stipulated penalties pursuant to Paragraph 42.(a).(ii). of the Consent Decree and the Court's Order Modifying Section X of the Consent Decree (Doc. No. 156). The remaining seven (7) larger SSOs are subject to potential FDEP-only stipulated penalties pursuant to Paragraphs 42.(a).(v). and 42.(a).(ii). of the Consent Decree and the Court's Order Modifying Section X of the Consent Decree (Doc. No. 156). The parties will report on whether stipulated penalties were demanded for these eight (8) larger SSOs in the next Status Report.

Of the remaining thirty-nine (39) smaller SSOs (less than ten thousand (10,000) gallons) (not including Building Backups) that occurred during the Reporting Period, the SSOs were caused by non-County contractors breaking a force main or automatic air release valve (two (2) SSOs); County contractors breaking a force main, gravity main, or automatic air release valve (four (4) SSOs); grease, rags, rocks, debris, or other blockages (fifteen (15) SSOs); broken force mains due to improper bedding (two (2) SSOs); broken force mains or automatic air release valves due to non-standard materials (two (2) SSOs); broken force mains due to corrosion (two

(2) SSOs); County contractors providing inadequate supervision and/or staff (two (2) SSOs); broken or leaking force mains due to other causes (three (3) SSOs); broken or leaking air release valves due to other causes (five (5) SSOs); failure at pump stations (one (1) SSO); and vandalism (one (1) SSO). Non-third party causes will be addressed by Miami-Dade's Capacity, Management, Operations and Maintenance ("CMOM") Programs to be developed and implemented pursuant to the Consent Decree as follows: the Fats, Oils and Grease ("FOG") Control Program (required by Paragraph 19.(a). of the Consent Decree); the Sewer Overflow Response Plan ("SORP") (required by Paragraph 19.(b) of the Consent Decree); the Gravity Sewer System Operations and Maintenance Program (required by Paragraph 19.(e). of the Consent Decree); the Force Main Operations, Preventative Maintenance and Assessment/Rehabilitation Program (required by Paragraph 19.(g). of the Consent Decree); Project 4.9 of Appendix D for replacement of approximately 30 miles of asbestos cement force mains (required by Paragraph 19.(i). of the Consent Decree); and the Pump Station Operations and Preventative Maintenance Program (required by Paragraph 19.(f). of the Consent Decree). Vandalism and third party contractor damage are not required to be addressed by a specific CMOM Program required by the Consent Decree.

Only one (1) of these smaller SSOs that occurred during the Reporting Period is subject to federal stipulated penalties pursuant to Paragraph 42.(a).(i). of the Consent Decree and the Court's Order Modifying Section X of the Consent Decree because it reached waters of the

United States. The United States will report on whether stipulated penalties were demanded for this SSO in the next Status Report.

Only thirteen (13) of these smaller SSOs that occurred during the Reporting Period are subject to FDEP-only stipulated penalties pursuant to Paragraphs 42.(a).(v). and 42.(a).(i). of the Consent Decree and the Court's Order Modifying Section X of the Consent Decree because they were between 1,000 and 10,000 gallons and did not reach waters of the United States. FDEP is considering whether to demand the stipulated penalties for these thirteen (13) smaller SSOs, as well as the seven (7) larger SSOs mentioned above.

In addition to the forty-seven (47) SSOs discussed above, Miami-Dade experienced three (3) Building Backups that totaled one hundred sixty-five (165) gallons. *See **Exhibit 2*** of this Status Report. These Building Backups were caused by a County crew cleaning the line, a collapsed County lateral, and a gravity main blockage. None of these Building Backups resulted in a SSO that reached waters of the United States and thus would be subject to potential stipulated penalties pursuant to Paragraph 42.(a). of the Consent Decree and the Court's Order Modifying Section X of the Consent Decree. In addition, none of the resultant SSOs was greater than or equal to 1,000 gallons and thus would be subject to FDEP-only stipulated penalties pursuant to Paragraph 42.(a).(v). of the Consent Decree and the Court's Order Modifying Section X of the Consent Decree. At this time, EPA believes that Miami-Dade is appropriately reporting and responding to SSOs and that the Consent Decree contains the necessary provisions to

adequately address the causes of these SSOs to eliminate and prevent such SSOs from occurring in the future.

B. Compliance Status of Consent Decree Requirements During the Reporting Period.

i. Submittal of Deliverables:

The following Deliverables were due and/or submitted during this Reporting Period.

Deliverable Due	Consent Decree Paragraph	Deliverable Submitted on time?	Reason for delay in submission (if any)	Date or estimated date to be submitted (if late)	Stipulated Penalty Assessed for failure to timely submit?
Quarterly Report #18	32 (Section IX)	Yes	N/A	N/A	N/A
Quarterly Report #19	32 (Section IX)	Yes	N/A	N/A	N/A
Semi-Annual Report #9	33 (Section IX)	Yes	N/A	N/A	N/A
Consolidated CMOM Programs Implementation Schedule (dated 8/6/2018)	Paragraph 19 (Section VI)	Yes	N/A	N/A	N/A
Force Main Criticality Assessment and Prioritization Report (dated 7/17/18)	19 (g)(ii) (Section VI)	Yes	N/A	N/A	N/A

Deliverable Due	Consent Decree Paragraph	Deliverable Submitted on time?	Reason for delay in submission (if any)	Date or estimated date to be submitted (if late)	Stipulated Penalty Assessed for failure to timely submit?
Wastewater Treatment Plant Operations and Maintenance Program (WWTPOMP) (dated 8/6/2018)	19 (h) (Section VI)	Yes	N/A	N/A	N/A
Force Majeure notification for Appendix D-2 Project 5.2 (dated 11/29/2018)	52 (Section XI)	Yes	N/A	N/A	N/A

Miami-Dade timely submitted its eighteenth Quarterly Report on July 26, 2018, ahead of the July 31, 2018 deadline, for the calendar quarter of April 1, 2018 through June 30, 2018.

Miami-Dade also timely submitted its nineteenth Quarterly Report on October 30, 2018, ahead of the October 31, 2018 deadline, for the calendar quarter of July 1, 2018 through September 30, 2018. Based upon all the information EPA has to date, both of these Quarterly Reports were consistent with the provisions of Paragraph 32 of the Consent Decree.

Miami-Dade timely submitted its ninth Semi-Annual Report on July 30, 2018, ahead of the July 31, 2018 deadline, for the semi-annual period of January 1, 2018 through June 30, 2018.

Based upon all the information EPA has to date, this Semi-Annual Report was consistent with the provisions of Paragraph 33 of the Consent Decree.

During this Reporting Period, Miami-Dade submitted the Consolidated CMOM Programs Implementation Schedule on the August 6, 2018 deadline; the Force Main Criticality Assessment and Prioritization Report on July 17, 2018, ahead of the July 20, 2018 deadline; the Wastewater Treatment Plant Operations and Maintenance Program (WWTPOMP) on the August 6, 2018 deadline; and one (1) force majeure request dated November 29, 2018 for Appendix D-2 Project 5.2 (Upgrade of Pump Station # 0691).

ii. **Implementation of CMOM Programs in Paragraphs 18 and 19 in the Consent Decree During the Reporting Period.**

Miami-Dade continues to implement the Adequate Pumping, Transmission and Treatment Capacity program (Paragraph 18.(a). of the Consent Decree) as outlined in the approved Adequate Pumping, Transmission and Treatment Capacity Ordinance.

Miami-Dade continues to implement the Pump Station Remote Monitoring Program (Paragraph 18.(b). of the Consent Decree) during this Reporting Period.

Miami-Dade continues to implement the Wastewater Collection and Transmission System Model (Paragraph 18.(c). of the Consent Decree) during this Reporting Period.

Miami-Dade continues to implement the Spare Parts Program (Paragraph 18.(d). of the Consent Decree) during this Reporting Period.

Miami-Dade continues to implement the amended Volume Sewer Customer Ordinance (“VSCO”) (Paragraph 18.(e). of the Consent Decree) during this Reporting Period.

Miami-Dade continues to implement the approved Fats, Oils and Grease (“FOG”) Control Program (Paragraph 19.(a). of the Consent Decree).

Miami-Dade continues to implement the approved Sewer Overflow Response Plan (“SORP”) (Paragraph 19.(b). of the Consent Decree).

Miami-Dade continues to implement the approved Information Management System Program (“IMSP”) (Paragraph 19.(c). of the Consent Decree).

Miami-Dade continues to implement the approved Sewer System Asset Management Program (“SSAMP”) (Paragraph 19.(d). of the Consent Decree).

Miami-Dade continues to implement the approved Gravity Sewer System Operations and Maintenance Program (“GSSOMP”) (Paragraph 19.(e). of the Consent Decree).

Miami-Dade continues to implement the approved Pump Station Operation & Preventative Maintenance Program (“PSO&PMP”) Paragraph 19.(f). of the Consent Decree).

Miami-Dade continues to implement the approved Force Main Operations, Preventative Maintenance and Assessment-Rehabilitation Program (“FMOPMARP”) (Paragraph 19.(g) of the Consent Decree).

Miami-Dade continues to implement the approved Force Main Rehabilitation and Replacement Program (“FMRRP”) (Paragraph 19.(g).(iv). of the Consent Decree).

Miami-Dade continues to implement the approved Wastewater Treatment Plant Operations and Maintenance Program (“WWTPOMP”) (Paragraph 19.(h). of the Consent Decree).

Miami-Dade continues to implement the approved Financial Analysis Program (“FAP”) (Paragraph 19.(j). of the Consent Decree).

On February 16, 2017, as a part of the parties’ ongoing discussions regarding Miami-Dade’s previously submitted CMOM Programs, EPA, FDEP and Miami-Dade discussed the CMOM Programs Consolidated Implementation Schedule (“CMOMPCIS”) which Miami-Dade had submitted on the agreed March 31, 2016 deadline, and Miami-Dade agreed to revise and resubmit the CMOMPCIS within 30 days of the approval of all CMOM Programs. The revised CMOMPCIS was submitted on August 6, 2018.

As detailed above, all the CMOM Programs required by Paragraphs 18 and 19 of the Consent Decree have been submitted and approved by EPA and FDEP. The United States will continue to report on (i) any change of approval status, and (ii) implementation of these required CMOM Programs in the applicable future Status Reports to the Court.

iii. Compliance with Deadlines in Appendix D Prior to and During the Reporting Period.

Paragraph 19.(i). and Appendix D of the Consent Decree set forth eighty-one (81) final construction deadlines for specific capital improvement projects. Miami-Dade has completed twenty-six (27) of these capital improvement Projects prior to or during this applicable Reporting Period (Projects 2.5, 2.17, 2.23, 2.24, 2.28, 2.29, 3.1, 3.7, 3.9, 3.10, 3.11, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.10, 5.8, 5.10, 5.13, 5.14, 5.15, 5.16, 5.17 and 5.19). Projects 2.17, 4.5, 4.10, 5.16, and 5.17 were completed early, prior to their final construction deadlines which fall during this

Reporting Period. *See* Doc. No. 181 (United States' Ninth Status Report), at 11.¹ Project 3.7 also was completed early, prior to its final deadline of December 28, 2021, outside this Reporting Period.

By letter dated January 11, 2018, EPA and FDEP determined not to demand stipulated penalties for the missed deadline for Project 4.8 (deadline: 4/9/2017; completed: 6/16/2017). EPA and/or FDEP are considering whether to demand the stipulated penalties for the missed construction deadline for Project 2.24 (deadline: 9/19/2017; completed: 9/29/2017). The United States will report on the resolution of these stipulated penalties in the applicable Status Report.

Paragraph 19.(i). and Appendix D of the Consent Decree set forth five hundred ninety-nine (599) interim milestone deadlines, in addition to eighty-one (81) final construction deadlines. For each interim event outlined in Appendix D (*i.e.* Engineering Design, Permitting, and Procurement), there is a start and a finish interim milestone deadline. In addition, the Construction start date is also an interim milestone deadline. As stated above in Section B.i., Miami-Dade has requested modification for one project: Project 5.2 (Upgrade to Pump Station #0691) due to a proposed Force Majeure event, citing delays caused by a City of Homestead contractor. EPA and FDEP are currently considering this request and will report on it in the next status report.

There were a total of twenty-seven (27) original or modified interim deadlines and five (5) final deadlines that came due during the applicable Reporting Period associated with this

¹ Page numbers refer to the numbers at the bottom of the document rather than the CM/ECF noted page numbers.

Status Report. Miami-Dade timely met twenty (20) of these twenty-seven (27) interim deadlines and all five (5) final deadlines. Of the seven (7) interim event deadlines that were missed during this Reporting Period, all of the corresponding projects still are projected to be completed by Miami-Dade on or before the final compliance deadline set forth in Appendix D-2 or the revised deadlines as requested in Miami-Dade's December 22, 2017 request to modify. As discussed in previous Status Reports, the majority of these missed interim deadlines are due to delays in hiring design engineering consultants subsequent to the project manager hiring delay mentioned in previous Status Reports or due to Miami-Dade modifying projects to design-build contracts (whereby Miami-Dade altered the workflow of the projects so that the procurement phase is moved ahead of the engineering design and permitting phases, so that the deadlines for those two phases are pushed back, but the deadline for completion of the Project remains the same).

As stated in the previous Status Reports, the purpose of including the interim deadlines in Appendix D is to help EPA, FDEP and Miami-Dade ensure that Miami-Dade is making adequate progress and staying on track towards meeting the final compliance deadlines for construction completion of the Appendix D capital projects. Only the eighty-one (81) final construction deadlines that are listed in bold in Appendix D are subject to stipulated penalties under the Consent Decree. Miami-Dade estimated the dates and durations presented in Appendix D for each interim project phase based on the best available information at the time Appendix D was finalized. Thus, while important, the voluminous number of interim deadlines were not made

subject to stipulated penalties, as the Parties recognized that circumstances or events would arise in the future that may require these interim schedules to shift.

iv. Status of Supplemental Environmental Project (“SEP”).

According to Miami-Dade’s Tenth Semi-Annual Report submitted pursuant to the Consent Decree on January 31, 2019, Miami-Dade completed installation, testing and connections of approximately 8,022 linear feet of 12”, 10” and 8” sewer mains, including all necessary laterals and manholes during this Reporting Period. Construction of the SEP was completed on December 26, 2018, ahead of the November 18, 2019 deadline. Pursuant to Paragraph 26 of the Consent Decree, a SEP Completion Report is due on December 26, 2019.

v. Status of Noncompliance Issues Not Resolved as of the Last Status Report.

EPA and FDEP are in the process of determining whether to demand stipulated penalties for SSOs that reached waters of the United States or are subject to FDEP-only penalties for the time period of January 2017 through December 31, 2018. EPA and FDEP also are in the process of determining whether to demand stipulated penalties for missed final deadline for Project 2.24. The parties will report on the status of any stipulated penalty demand for these SSOs and missed final deadline in the next Status Report.

vi. Any Anticipated Future Noncompliance Issues.

The parties do not anticipate any future noncompliance issues.

C. **Any Other Issues Which the United States Believes are Necessary to Bring to the Court's Attention.**

Miami-Dade instituted a policy of not transferring money from the County Water and Sewer Department's Sewer fund to the County's General Fund for non-sewer related purposes. However, if Miami-Dade should change or violate that policy in the future, the United States and/or Miami-Dade will inform the Court and will provide details on the amount of money being transferred for non-sewer related purposes. Miami-Dade has confirmed that it has not transferred any monies between the Water and Sewer Department's Sewer Fund and the General Fund during this Reporting Period.

Respectfully submitted this 28th day of March, 2019.

FOR PLAINTIFF THE UNITED STATES OF AMERICA

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CERTIFICATE OF SERVICE

I HEREBY CERTIFY that on March 28, 2019, the foregoing document entitled UNITED STATES' FOURTH STATUS REPORT was served on all counsel of record on the Service List below either via transmission of Notice of Electronic Filing generated by CM/ECF or in some other authorized manner for those counsel or parties who are not authorized to receive electronically Notices of Electronic Filing.

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Exhibit 1

Table of SSOs (not including Building Backups) during the Reporting Period

Exhibit 1 - Sanitary Sewer Overflows

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
7/6/2018	1:54PM	4664 SW 146 CT	Force Main	1:56	27,403	Storm Drain	No	8" DI force main broken due to point load	Repaired 8" DI force main	No	No further action required
7/11/2018	1:45PM	901 DOVE AVE MIAMI SPRINGS	Force Main	1:00	15,946	Land	No	8" DI force main broken by non-County contractor	Repaired 8" DI force main broken by contractor	No	No further action required
7/12/2018	8:22AM	SW 67 AVE & SW 152 ST PALMETTO BAY	Force Main	1:48	6,198	Land	No	8" DI force main broken due to external corrosion	Replaced corroded segment of 8" DI force main	Yes	Recommended for replacement
7/16/2018	12:30PM	141 HARBOR DR KEY BISCAYNE	Automatic Air Release Valve	1:30	10	Storm Drain	No	AARV leaking due to mechanical failure	Replaced leaking AARV	Yes	Phase out AARV from manufacturer with repetitive failure
7/18/2018	11:00AM	SW 92 AVE & SW 24 ST	Force Main	1:40	9,204	Storm Drain	No	8" DI force main broken due to split caused by heavy concrete piece resting on main	Repaired 8" DI force main and removed resting concrete piece	No	No further action required
7/27/2018	10:23AM	18000 N BAY RD	Gravity Main	2:07	15	Storm Drain	No	Gravity main blockage due to grease	Cleared blockage and notified local regulatory agency (RER-DERM)	No	No further action required
7/28/2018	5:13PM	2599 NE 163 ST NORTH MIAMI	Force Main	3:47	5,634	Oleta River	Yes	6" CI force main broken due to external corrosion	Repaired corroded segment of 6" CI force main	No	No further action required
8/4/2018	11:55AM	173 NAVARRE DR MIAMI SPRINGS	Automatic Air Release Valve	0:30	351	Land	No	AARV broken due to non-standard material of galvanized nipple	Replaced broken AARV with manual ARV	Yes	Reconcile GIS data and place ARV on maintenance cycle
8/10/2018	9:52AM	19771 E OAKMONT DR	Force Main	1:08	36,143	No name, man-made waterway on golf course	No	6" PVC force main broken by County Contractor	Repaired PVC force main	No	No further action required

Exhibit 1 - Sanitary Sewer Overflows

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
8/12/2018	8:40AM	102 OCEAN LANE DR KEY BISCAYNE	WASD Pump Station	2:50	950	Storm Drain	No	Mechanical failure on one pump and blockage on other pump at PS 0133	Deployed portable pump, cleared blockage and other pump is pending repair	No	No further action required
8/14/2018	10:00AM	19679 NW 62 CT UNINCORPORATED MIAMI- DADE 33015	WASD Pump Station	5:00	50	Storm Drain	No	Blockage of bypass pump and backup pump due to heavy rags	Cleared blockage and resumed service	No	No further action required
8/19/2018	9:39AM	10700 SW 48 TER UNINCORPORATED MIAMI- DADE 33165	Force Main	1:11	76,716	Land	No	Broken 8" and 14" AC force main by County contractor	Force mains repaired	Yes	Recommended for replacement
8/20/2018	9:49AM	6951 SHARPECROFT CT MIAMI LAKES 33014	Automa tic Air Releas e Valve	1:56	170	Land	No	AARV leaking due to failure of orifice button	Replaced broken AARV	No	No further action required
8/29/2018	10:00PM	18734 NW 32 PL MIAMI GARDENS	Gravity Main	2:00	30	Land	No	Gravity main blockage due to grease	Cleared blockage and notified local regulatory agency (RER- DERM)	No	No further action required
8/29/2018	7:19PM	7100 NW 7TH AVE MIAMI 33150	Gravity Main	0:41	10	Storm Drain	No	Gravity main broken due to grease	Cleared blockage and notified local regulatory agency (RER- DERM)	Yes	RER-DERM initiated FOG investigation
8/31/2018	10:04PM	NW 90 ST & NW 107 AVE	Automa tic Air Releas e Valve	2:56	1,064	Storm Drain	No	AARV leaking due to high pressure	Replaced leaking AARV with model designed to better handle high pressure surge	No	No further action required

Exhibit 1 - Sanitary Sewer Overflows

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
9/3/2018	8:00PM	19142 NW 35 AVE MIAMI GARDENS 33056	WASD Pump Station	7:00	55	Land	No	County Contractor in charge of PS 0415 Operations not providing the required supervision/ staff	Additional diesel pump deployed	Yes	Met with Contractor and required 24/7 attendant on site
9/4/2018	9:30AM	4150 SW 111 AVE UNINCORPOR ATED MIAMI- DADE 33165	Force Main	3:30	9,465	Land	No	4" CI force main leaking at joint	Removed and replaced joint	No	No further action required
9/4/2018	9:00PM	19142 NW 35 AVE MIAMI GARDENS 33056	Gravity Main	3:00	50	Land	No	County Contractor in charge of PS 0415 Operations not providing the required supervision/ staff	Additional diesel pump deployed	Yes	Met with Contractor and required to lower the level alarm from 5 to 2.5 ft
9/5/2018	2:15PM	8801 FONTAINEBLE AU BLVD	Force Main	1:30	3,759	Land	No	Undocumented 1.5" galvanized force main from PS broken by non-County contractor	1.5" galvanized force main capped off	No	No further action required
9/16/2018	2:49PM	14201 NW 42 AVE OPA- LOCKA	Force Main	5:41	191,049	C8 Canal	Yes	Failure of coupling between HPVC and HDPE sections of 48" force main	Contractor repaired past work which was still under warranty	No	No further action required
9/17/2018	10:15AM	12140 SW 188 TER	Force Main	1:05	138,192	Land	No	8" DI force main broken by County contractor	Repaired segment of broken 8" DI force main	No	No further action required
9/17/2018	4:30PM	NW 27 AVE & NW 11 ST MIAMI 33125	Gravity Main	0:30	40	Storm Drain	No	Gravity main blockage due to grease	Cleared blockage and notified local regulatory agency (RER- DERM)	No	No further action required

Exhibit 1 - Sanitary Sewer Overflows

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
9/18/2018	8:00AM	18730 NW 47 CT	Gravity Main	1:00	150	Land	No	Gravity main blockage due to grease	Cleared blockage and notified local regulatory agency (RER-DERM)	No	No further action required
9/21/2018	10:30AM	14201 NW 42 AVE OPA-LOCKA 33054	Force Main	2:15	58,586	Land	No	12" DI force main broken by County contractor	Capped off 12" DI force main	No	No further action required
9/25/2018	9:14AM	11291 SW 84 ST	Automatic Air Release Valve	1:01	250	Land	No	AARV riser broken due to unauthorized party opening manhole (Vandalism)	Repaired broken AARV	No	No further action required
9/29/2018	7:01AM	11870 SW 184 ST	Force Main	1:29	90	Land	No	12" DI force main broken by County contractor	Repaired 12" DI force main	No	No further action required
9/29/2018	11:00AM	SW 117 AVE & SW 187 ST	Force Main	0:05	1,200	Land	No	12" DI force main failed during pressurization test	Abandoned section of 12" DI force main	No	No further action required
10/2/2018	12:45PM	1113 CRANDON BLVD KEY BISCAYNE 33149	Pump Station	0:05	10	Land	No	Pumps turned off for routine maintenance activities at PS 0138	Turned pumps back on	No	No further action required
10/10/2018	7:25AM	14200 NW 42 AVE OPA-LOCKA 33054	Automatic Air Release Valve	6:00	200	Land	No	AARV broken by rotation of manhole cover during maintenance activities	Replaced broken AARV with Manual ARV	Yes	Convert to Manual ARV to allow lower clearance
10/20/2018	10:00PM	18800 NW 79TH AVE UNINCORPORATED MIAMI-DADE 33015	Pump Station	1:51	100	Storm Drain	No	Discharge pipe came apart due to clogged pumps (heavy vibration)	Diverted flows, clean and cleared blockages. Station was placed back in service	No	No further action required

Exhibit 1 - Sanitary Sewer Overflows

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
10/23/2018	10:30AM	19015 SW 119 CT UNINCORPORATED MIAMI-DADE 33177	Force Main	0:45	7,026	Land	No	6" DI force main broken by County-contractor	Repaired 6" DI force main broken by County-contractor	Yes	Reconcile GIS Data
10/28/2018	10:00AM	10260 NW 63 TER DORAL 33178	Gravity Main	1:50	5	Land	No	Gravity main blockage due to heavy debris and concrete rock	Cleared gravity main of debris and concrete rock	Yes	CCTV the line and found no defect
11/1/2018	10:30AM	17500 N BAY RD SUNNY ISLES BEACH 33160	Gravity Main	1:30	10	Land	No	Gravity main blockage due to grease and debris	Cleared grease blockage and notified local regulatory agency (RER-DERM)	No	No further action required
11/1/2018	5:30PM	NW 82 AVE & NW 58 ST UNINCORPORATED MIAMI-DADE 33166	Gravity Main	1:05	100	Land	No	Gravity main blockage due to grease	Cleared grease blockage and notified local regulatory agency (RER-DERM)	Yes	Designated as a hotspot and installed a Smart Cover. RER-DERM to investigate
11/2/2018	12:28PM	MIAMI LAKES DR & NW 60 AVE MIAMI LAKES 33014	Gravity Main	2:32	100	Land	No	Gravity main broken by County contractor	Repaired gravity main broken by County contractor	Yes	ASSIS ticket filed to reconcile GIS information
11/10/2018	2:15PM	541 NW 62 AVE MIAMI 33126	Gravity Main	1:01	10	Land	No	Gravity main blockage due to grease	Cleared grease blockage and notified local regulatory agency (RER-DERM)	No	No further action required
11/15/2018	4:56PM	9002 TIFFANY DR CUTLER BAY 33157	Force Main	2:34	5,785	Storm Drain	No	Leaking 6" AC force main at the non-standard material clamp site of past repair	Repaired 6" AC force main by removing previous repair and replaced with standard material	Yes	AC FM replacement is in progress

Exhibit 1 - Sanitary Sewer Overflows

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
11/17/2018	12:09PM	SW 122 AVE & SW 112 ST UNINCORPORATED MIAMI- DADE 33186	Air Release Valve	2:51	2,100	Storm Drain	No	Manual ARV leaking due to broken PVC nipple	Replaced nipple and angle valve above corporation	No	No further action required
11/21/2018	2:30PM	12450 SW 152 ST UNINCORPORATED MIAMI- DADE 33177	Force Main	3:30	31,547	Land	No	8" DI force main broken due to point load	Repaired 8" DI force main	No	No further action required
11/24/2018	1:45PM	9400 SW 88 ST UNINCORPORATED MIAMI- DADE 33176	Gravity Main	1:05	50	Land	No	Gravity main blockage due to grease and debris	Cleared grease blockage and notified local regulatory agency (RER- DERM)	No	No further action required
11/28/2018	2:30PM	182 ST & N BAY ROAD	Gravity Main	3:30	70	Storm Drain	No	Gravity main blockage due to grease	Cleared grease blockage and notified local regulatory agency (RER- DERM)	Yes	RER-DERM investigated and identified potential unpermitted Food Service Establishment (FSE)
11/29/2018	11:00AM	7600 NW 12 AVE UNINCORPORATED MIAMI- DADE 33150	Force Main	0:45	887	Storm Drain	No	12" DI force main broken due to improper bedding	Repaired 12" DI force main	Yes	Recommended for replacement
12/2/2018	4:12PM	25840 SW 128 CT UNINCORPORATED MIAMI- DADE 33032	Gravity Main	1:48	10	Land	No	Gravity main blockage due to grease	Cleared grease blockage and notified local regulatory agency (RER- DERM)	No	No further action required
12/4/2018	10:54AM	3005 NE 2 AVE MIAMI 33137	Force Main	1:06	9,264	Storm Drain	No	16" DI FM broken by non-County contractor (sludge line)	Repaired broken 16" DI force main	No	No further action required

Exhibit 1 - Sanitary Sewer Overflows

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
12/6/2018	10:45AM	2120 NW 207 ST MIAMI GARDENS 33056	Force Main	1:35	3,176	Land	No	4" AC force main broken by County contractor	Repaired 4" AC broken force main	Yes	AC FM replacement is in progress per CD CIP 4.9
12/20/2018	9:31PM	7750 NW 12 AVE UNINCORPOR ATED MIAMI- DADE 33150	Force Main	1:44	6,261	Storm Drain	No	12" DI force main broken due to improper bedding	Repaired broken 12" DI force main	No	No further action required

Exhibit 2

Table of Building Backups during the Reporting Period

Exhibit 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
8/7/2018	N/A	9120 Caribbean Boulevard	LAT	N/A	10	N/A	No	WASD Crew cleaning the line cause BBU in resident's three bathrooms	Vendor rendered assistance for clean-up activities	No	No further action required
8/23/2018	N/A	500 SW 109th Avenue, Sweetwater	LAT	N/A	150	N/A	No	Collapsed WASD Lateral	Connected to new WASD lateral	No	No further action required
9/30/2018	N/A	3440 SW 29 Street, Miami	LAT	N/A	5	N/A	No	Gravity main blockage caused BBU	Cleared WASD Lateral and vendor rendered clean up assistance	Yes	CCTV lateral for defects