



miamidade.gov

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

VIA ELECTRONIC CORRESPONDENCE

April 30, 2015

CCN: 59342
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
Michael.Hambor@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. 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 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.1, covering the period of time from January 1, 2015 through March 31, 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.

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

Sincerely,



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

Attachment: 2015 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 – Suite 200
400 N. Congress Ave.
West Palm Beach, FL 33401
Attn: Compliance/Enforcement Section
Linda.Brien@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

ebc: L. Douglas Yoder
Ralph Terrero
Eduardo Vega
Bertha Goldenberg
Henry Gillman
Frances G. Morris
Sarah Davis
Sherry Negahban
Richard O'Rourke
Howard Fallon
Robert Fergen
Al Galambos
Rod Lovett
Manuel Moncholi
Dan Edwards
Rolando Roque
Juan Bedoya
Vincent Flick
Lee N. Hefty (RER-DERM)
Carlos Hernandez (RER-DERM)
Rashid Istambouli (RER-DERM)
David Haywood (CD PMCM)
Rosanne Cardozo (CD PMCM)
Abby Diaz (CDPMCM)



2015 Quarterly Report No. 1

January 1, 2015 through March 31, 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**

This Page Has Been Intentionally Left
Blank

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 2015 Quarterly Report No. 1 on or before May 1, 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 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 United States' Semi-Annual Report to the District Court.

3.1 SSOs (Excluding Building Backups)

Table 1 documents all SSO events (excluding Building Backups) for the first calendar quarter of 2015. There were a total of twenty-nine (29) SSO events:

- Eight (8) events involved force mains
- Sixteen (16) events involved gravity mains
- Four (4) events involved automatic air release valves
- One (1) event involved a MDWASD lateral

Only six (6) of the SSO events discharged to waters of the United States.

The SSO events that occurred on January 25, 2015 and January 27, 2015 on SW 102 Lane were investigated by Miami-Dade Water and Sewer Department (MDWASD) Damage Investigation Unit (DIU). DIU concluded that the contractor was responsible for the damages and MDWASD invoiced the contractor. The supporting documentation can be found in Appendix A. The SSO event that occurred on February 28, 2015 on NE 202 Terrace was caused by vandalism. Pictures of the damages can also be found in Appendix A.

The following addresses some of the acronyms and abbreviations 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		

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 Program Sewer Overflow Response Plan (SORP) required by the current Consent Decree to be submitted July 6, 2015.

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. Building Backup information is shown 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
9-Jan-15	1:00 PM	4511 NW 207th Dr - Miami Gardens	GM	2:25	20	Storm Drain	No	Gravity main blockage due to debris	Cleared gravity main blockage	Yes	Placed on accelerated cleaning cycle
15-Jan-15	8:26 AM	5901 NW 74 Ave	FM	3:09	1,665	Storm Drain, Canal	Yes	8" Ductile Iron Pipe (DIP) force main leakage due to corrosion - low pH discharge from bottling plant suspected as cause	Repaired broken force main and notified local regulatory agency (RER-DERM)	Yes	Force main recommended for replacement
16-Jan-15	8:00 AM	5901 NW 74 Ave	FM	3:00	1,350	Storm Drain, Canal	Yes	8" DIP force main leakage due to corrosion - low pH discharge from bottling plant suspected as cause	Repaired broken force main and notified local regulatory agency (RER-DERM)	Yes	Force main recommended for replacement
22-Jan-15	8:00 AM	5901 NW 74 Ave	FM	1:30	990	Storm Drain, Canal	Yes	8" DIP force main leakage due to corrosion - low pH discharge from bottling plant suspected as cause	Repaired broken force main and notified local regulatory agency (RER-DERM)	Yes	Force main recommended for replacement
22-Jan-15	9:00 AM	1800 S Glades Dr - North Miami Beach	GM	3:00	30	Storm Drain	No	Gravity main blockage due to grease	Cleared gravity main blockage and notified local regulatory agency (RER-DERM)	No	No further action required
25-Jan-15	9:30 PM	7884 SW 102 Ln	GM	2:00	10	Land	No	Gravity main damaged by contractor drilling ¹	Repaired gravity main broken by contractor. Contractor billed for damages ¹	No	No further action required
27-Jan-15	12:00 PM	12085 W Dixie Hwy	FM	0:45	5	Land	No	16" DIP force main leaking due to corrosion	Installed clamp on pipe	Yes	Force main recommended for replacement
27-Jan-15	3:00 PM	7878 SW 102 Ln	GM	4:00	150	Storm Drain	No	Gravity main damaged by contractor drilling ¹	Repaired gravity main broken by contractor. Contractor billed for damages ¹	No	No further action required
03-Feb-15	2:00 PM	11755 SW 90 St	GM	1:05	10	Storm Drain	No	Gravity main blocked due to grease	Cleared gravity main blockage and notified local regulatory agency (RER-DERM)	No	No further action required
06-Feb-15	2:00 PM	3350 NE 192 St - Aventura	GM	4:00	70	Storm Drain	No	Gravity main blocked due to grease	Cleared gravity main blockage and notified local regulatory agency (RER-DERM)	No	No further action required
07-Feb-15	8:10 AM	1797 NW 75 St	AARV	0:20	25	Storm Drain	No	Malfunction/leaking automatic air release valve due to gasket failure	Replaced malfunctioning automatic air release valve	No	No further action required
13-Feb-15	8:39 PM	SW 18 St & SW 154 Ave	AARV	1:06	20	Land	No	Clogged automatic air release valve due to debris	Replaced automatic air release valve	No	No further action required
19-Feb-15	1:00 PM	18050 Collins Ave - Sunny Isles Beach	GM	2:40	40	Storm Drain	No	Gravity main blockage due to grease and debris	Cleared gravity main grease blockage and notified local regulatory agency (RER-DERM)	Yes	Placed on accelerated cleaning cycle

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
22-Feb-15	12:40 PM	14501 SW 88 St	GM	1:05	25	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
24-Feb-15	12:00 PM	7575 NW 177 Ter	GM	3:00	40	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
24-Feb-15	8:30 PM	3575 NE 207 St	FM	2:20	30,558	Storm Drain, Intercostal Water	Yes	12" DIP force main leakage due to external corrosion	Replaced force main broken due to corrosion	Yes	No further action required
28-Feb-15	2:30 PM	12241 SW 121st Ave	GM	1:45	15	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
28-Feb-15	4:00 PM	65 NE 202nd Ter	FM	4:50	5,800	Snake Creek Canal	Yes	24" DIP force main leakage due to vandalism ²	Installed clamp on pipe	yes	Force main recommended for replacement
02-Mar-15	1:00 PM	21350 SW 114 Ave	GM	0:35	10	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
06-Mar-15	9:50 AM	11259 SW 88 St	GM	0:35	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
7-Mar-15	1:30 PM	25324 SW 128 Pl	GM	1:30	10	Land	No	Gravity main blockage due to debris	Cleared gravity main blockage	No	No further action required
9-Mar-15	2:50 PM	890 SW 84 Ave	GM	1:00	25	Land	No	Gravity main blockage due to grease	Cleared gravity main blockage and notified local regulatory agency (RER-DERM)	No	No further action required
11-Mar-15	10:50 AM	8950 SW 160 St - Palmetto Bay	FM	1:55	12,000	Storm Drain, Cutler Drain Canal	Yes	6" PVC force main broken due to point loading caused by improper pipe bedding from past construction.	Repaired and replaced broken force main	No	No further action required
13-Mar-15	2:00 PM	18802 NW 57th Ave	GM	1:00	40	Storm Drain	No	Gravity main blockage due to grease	Cleared gravity main blockage and notified local regulatory agency (RER-DERM)	No	No further action required
14-Mar-15	11:27 AM	SW 232 St & S Dixie Hwy	FM	3:03	1,950	Storm Drain	No	6" PVC force main broken due to latent damage, scar on pipe caused longitudinal split, unknown source	Repaired and replaced broken force main	No	No further action required
18-Mar-15	9:45 AM	21475 S Dixie Hwy	GM	1:00	5	Land	No	Gravity main blockage due to grease	Cleared gravity main blockage and notified local regulatory agency (RER-DERM)	Yes	Placed on accelerated cleaning cycle

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
20-Mar-15	12:15 PM	SW 146 Ct & SW 104 St	AARV	0:20	200	Storm Drain	No	Automatic air release valve leaking caused to stuck float from grease	Replaced AARV	No	No further action required
20-Mar-15	1:15 PM	100 W Flagler St Miami	LAT	0:15	3	Land	No	Lateral blocked due to grease	Cleared lateral blockage and notified local regulatory agency (RER-DERM) of illegal discharge	No	No further action required
30-Mar-15	12:10 PM	NW 191 ST & NW 45 Ave Miami Gardens	AARV	0:30	20	Land	No	Automatic air release valve leaking due to debris clogging flapper	Replaced AARV	No	No further action required

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

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
15-Jan-15	n/a	13740 SW 23 Ter	LAT	n/a	1	Bldg. Backup	No	Turbulent splash from owner's toilet partly caused by MDWASD maintenance crews clearing/jetting nearby gravity main - no significant spill	Insignificant spillage. Customer refused vendor services	No	No further action required
17-Feb-15	n/a	245 NE 189 St	LAT	n/a	10	Bldg. Backup	No	Turbulent splash from owner's toilet partly caused by MDWASD maintenance crews clearing/jetting nearby gravity main	MDWASD vendor cleaned and sanitized affected bathrooms	No	No further action required
25-Feb-15	n/a	2931 NW 55 St	LAT	n/a	2	Bldg. Backup	No	MDWASD lateral blockage	Cleared lateral blockage	No	No further action required
03-Mar-15	n/a	17211 NW 49th Ave, Miami	LAT	n/a	5	Bldg. Backup	No	Turbulent splash from owner's toilet partly caused by MDWASD maintenance crews clearing/jetting nearby gravity main	MDWASD vendor cleaned and sanitized affected bathrooms	No	No further action required
03-Mar-15	n/a	17200 NW 49th Ave, Miami	LAT	n/a	5	Bldg. Backup	No	Turbulent splash from owner's toilet partly caused by MDWASD maintenance crews clearing/jetting nearby gravity main	MDWASD vendor cleaned and sanitized affected bathrooms	No	No further action required
31-Mar-15	n/a	4725 NW 191 ST, Miami Gardens	LAT	n/a	2	Bldg. Backup	No	Turbulent splash from owner's toilet partly caused by MDWASD maintenance crews clearing/jetting nearby gravity main - no significant spill	Cleaned and sanitized bathrooms	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.

Appendix A
Supporting Documentation for SSO Events

A.1 Supporting Documents for January 25, 2015 and January 27, 2015 SSO Events on SW 102 Lane Caused by Contractor

Figure 1 - Notice letter to contractor

 miamidade.gov		Water and Sewer PO Box 330316 * 3071 SW 38 Avenue Miami, Florida 33233-0316 T 305-665-7471	
02/04/2015		Certified 7006 0810 0004 0694 1459	
NELCO TESTING & ENGINEERING SVCS, INC. 13370 SW 131st STREET, SUITE 105 MIAMI, FL 33186			
Attn: REZA HOSEIN			
Re: File No: JS04633			
<p>Expenses were incurred by the Miami-Dade Water and Sewer Department to repair and restore service to a damaged 8 inch VCP sewer gravity main at 7883 SW 102nd Lane. The damage was caused by an auger during excavation to perform soil testing for Dadeland Coves Townhouses at the parking area. The damage was discovered and reported by Miami-Dade Water and Sewer Department sewer collection crew as a main line blockage. The soil samples were taken at P-2 in front of the aforementioned address and a concrete plug was pulled from the sewer gravity main line. Nelco Testing & Engineering Services, Inc. was excavating under Sunshine State One Call Ticket #328409283, which does not cover the area where the damage occurred. Repair Date: 01/28/2015.</p>			
<p>This is to advise you that your company is being held liable for the above-referenced utility damage resulting from your work operation.</p> <p>A notification of 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 15 days of receipt of invoice.</p> <p>Any questions concerning this matter should be referred to David Bellamy at (786) 552-8454 or, (786) 552-8002 within 15 days of this notice. Thank you for your cooperation.</p>			
Sincerely,			
SENDER: COMPLETE THIS SECTION Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits.		COMPLETE THIS SECTION ON DELIVERY	
Article Addressed to: Nelco Testing & Engineering Services Inc. 3370 SW 131 st Street, Suite 105 Miami, FL 33186 Attn: Reza Hosein		A. Signature X	
		B. Received by (Printed Name) _____ C. Date _____	
Article Number		D. Is delivery address different from item 1? <input type="checkbox"/> If YES, enter delivery address below: _____	
		3. Service Type <input type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
4. Restricted Delivery? (Extra Fee) <input type="checkbox"/>		5. Restricted Delivery? (Extra Fee) <input checked="" type="checkbox"/>	
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 \$ _____		Postmark Here 	
Certified Fee _____			
Return Receipt Fee (Endorsement Required) _____			
Restricted Delivery Fee (Endorsement Required) _____			
Total Postage & Fees \$ _____		Sent To _____	
Street, Apt. No., or PO Box No. _____		City, State, and ZIP+4® _____	

A.1 Supporting Documents for January 25, 2015 and January 27, 2015 SSO Events on SW 102 Lane Caused by Contractor (continued)

Figure 2 - Invoice sent to Contractor



**MIAMI-DADE
COUNTY**

Miami-Dade Water & Sewer Dept.
Wholesale Billing Unit
P.O. Box 330316
Miami, FL 33233-0316

Remit this portion with payment

Customer No.	Invoice	Due Date	Amount Due
00002740	JS04633C15R	04/30/2015	\$14,289.98

NELCO TESTING & ENGINEERING SVCS, INC.
13370 SW 131st STREET, SUITE 105
MIAMI FL 33186

Attn: REZA HOSEIN

(Keep this portion for your records)



**MIAMI-DADE
COUNTY**

Miami-Dade Water & Sewer
Wholesale Billing Unit
P.O. Box 330316
Miami, FL 33233-0316

INVOICE
Original

Invoice: JS04633C15R
Invoice Date: 03/31/2015
1 of 1

NELCO TESTING & ENGINEERING SVCS, INC.
13370 SW 131st STREET, SUITE 105
MIAMI FL 33186

Attn: REZA HOSEIN

Description:

Expenses were incurred by the Miami-Dade Water and Sewer Department to repair and restore service to a damaged 8 inch VCP sewer gravity main at 7883 SW 102nd Lane. The damage was caused by an auger during excavation to perform soil testing for Dadeland Coves Townhouses at the parking area. The damage was discovered and reported by Miami-Dade Water and Sewer Department sewer collection crew as a main line blockage. The soil samples were taken at P-2 in front of the aforementioned address and a concrete plug was pulled from the sewer gravity main line. Nelco Testing & Engineering Services, Inc. was excavating under Sunshine State One Call Ticket #328409283, which does not cover the area where the damage occurred. Repair Date: 01/28/2015.

Description	Net Amount
Direct Labor & Fringe Benefits	\$6,426.49
Materials & Supplies from Inventory	278.93
Purchases of Materials, Supplies & Other Services	0.00
Vehicle & Other Equipment Charges	6,215.00
Overhead	1,369.56
Total Amount Due:	\$14,289.98

Invoices will be past due 30 days from the invoice date. Payment must be received by Miami-Dade Water and Sewer Department by the past due date to avoid late fees and other charges.
For billing information, contact the Special Collection Unit at 786-552-8658.

A.2 Supporting Documents for February 28, 2015 SSO Event Caused by Vandalism

The pictures below depict a circular puncture to the external wall of the 24" DIP presumably caused by a bullet. However, the bullet could not be recovered. The crew repaired the damage by installing a clamp.

Figure 3 - Damage to 24" DIP



Figure 4 - Repair to 24" DIP

