MIAMI-DADE COUNTY
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VIA ELECTRONIC CORRESPONDENCE

November 9, 2015

CCN: 59855
File No: 8.DC.20.19 & 52

Chief, Environmental Enforcement Section
Environment and Natural Resources Division
U.S. Department of Justice
P.O. Box 7611
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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
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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
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 XI, Paragraph 52 – Force Majeure
Section XVII, Paragraph 77 – Notices
Force Majeure Notification Letter for Consent Decree Appendix D-2, Capital Improvement Project 4.4 - North Dade 72 inch PCCP Force Main Rehabilitation

Dear Sir/Madam:

In accordance with the provisions of Section XI, Paragraph 52 of the above referenced Consent Decree, Miami-Dade orally notified EPA and FDEP on October 28, 2015 of a potential delay of CD Appendix D-2 Capital Improvement Project (CIP) 4.4 - North Dade 72 inch Pre-stressed Concrete Cylinder Pipe (PCCP) Force Main Rehabilitation. In the progress of ongoing rehabilitation work, the seventy-two (72) inch PCCP force main was scheduled for shutdown by November 2, 2015. The shutdown, however, could not be coordinated due to a contractor caused break of another 72 inch transmission force main at SW 147th Terrace and 77th Avenue that occurred on October 21, 2015.

The critical repair of the damaged 72 inch force main and the scheduled shutdown of the CIP 4.4 72 inch force main could not be performed simultaneously. When the constructability of CIP 4.4 was evaluated using the Wastewater Collection and Transmission System (WTCS) hydraulic model, the effects of the closure of the line created significant pressure increases. Figure 1 attached depicts normal flow paths throughout the WCTS. If WASD proceeded with the shutdown to perform the rehabilitation of CIP 4.4 72 inch force main while the emergency repair on the South Dade damaged 72 inch force main is being performed it would have impacted the overall system redundancy by increasing pressures throughout the system. In addition, it would have limited the flow relief to the South District Wastewater Treatment Plant (SD WWTP), Central District WWTP and North District WWTP especially in the event of another emergency or a large rain event. Please see Figure 2.

It is anticipated that the emergency repair on the damaged 72 inch force main leading to SDWWTP will take one to two weeks to complete and consequently delay the CIP 4.4 construction schedule by approximately 2 weeks. We believe that the emergency repair on the damaged 72 inch force main leading to SDWWTP requiring the suspension of the scheduled shutdown on CIP 4.4 - North Dade 72 inch PCCP force main qualifies as a potential force majeure event, as the cause of this event is beyond the control of Miami-Dade, and the project could be delayed despite Miami-Dade's best efforts to complete the project according to the Consent Decree compliance schedule.

We will provide you with an update on this project once we have received the updated construction schedule reflecting the delay as a result of the emergency repair on the 72 inch force main leading to SDWWTP and the impact on the CD construction completion compliance date.

WASD remains committed to successfully meeting the requirements of the Consent Decree. Should you have any questions regarding this matter, please call me at (786) 552-8120.

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.

Sincerely,

Bertha M. Goldenberg, P.E., LEED® Green Associate
Assistant Director, Regulatory Compliance and Planning

Attachment: WASD WCTLD Force Mains Figures 1 and 2

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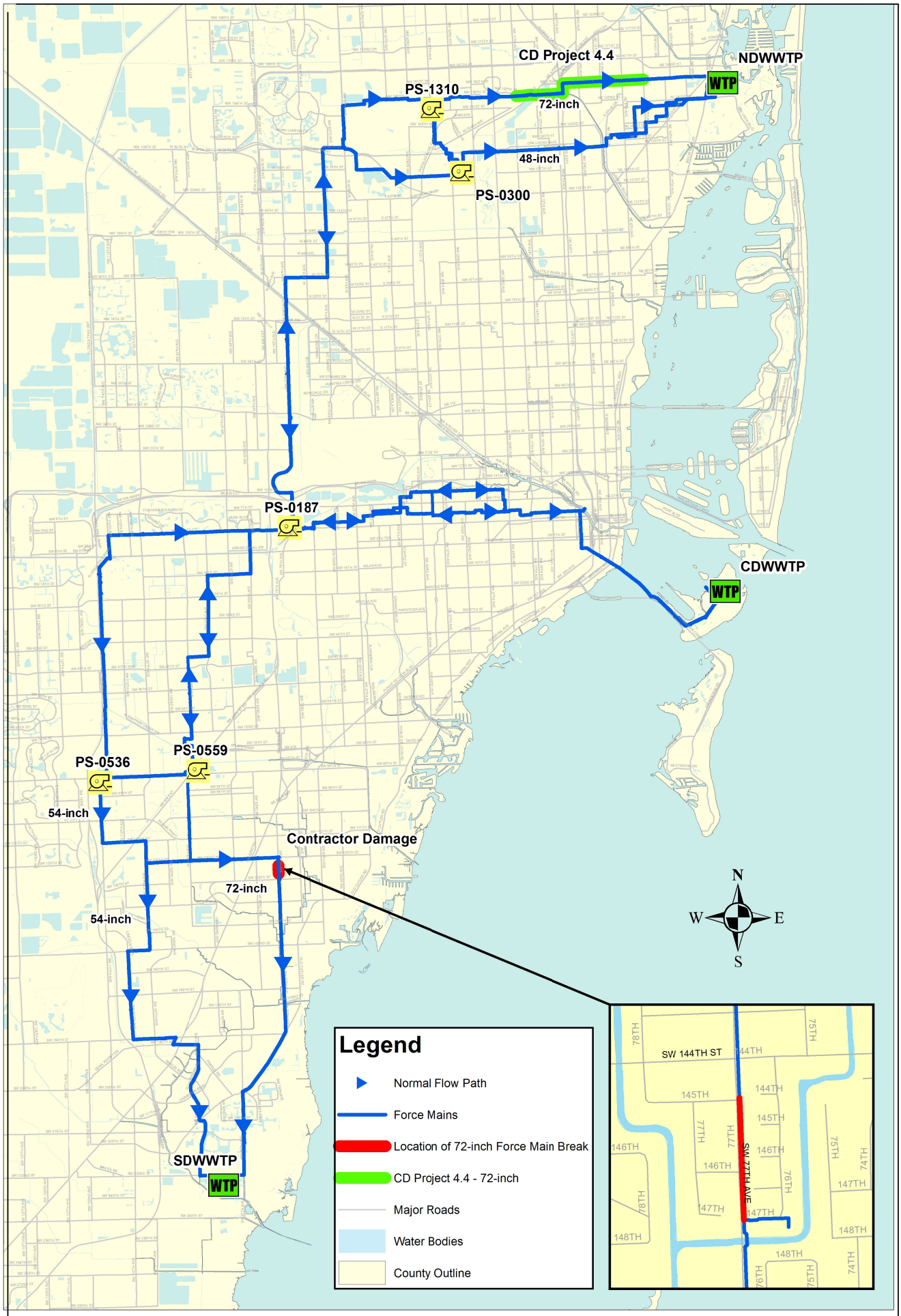

PM/CM TEAM

Figure 1:
WASD WWCTLD Force Mains
Normal Flow Path

0 1 2 4 Miles

DWG. DATE: NOV 4 / 2015

REV. DATE:

PM/CM TEAM

Figure 2:
WASD WWCTLD Force Mains
Impact of Large Transmission Closures

0 1 2 4 Miles

DWG. DATE: NOV 4 / 2015

REV. DATE: