



SPDES Permit No. NY0028410

**Long Term Control Plan
Annual Post Construction Monitoring
Status Report**

Reporting Period: *July 2016 through June 2017*

Amended Administrative Order

CWA-02-2014-3033

(Amends CWA-02-2012-3024)

September 2017

**Long Term Control Plan Annual Post Construction Monitoring Status Report
Reporting Period: *July 2016 through June 2017***

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ATTACHMENT:

- A. RTC Monthly Performance Reports

1. INTRODUCTION

The Buffalo Sewer Authority (Authority) received approval of its Long Term Control Plan (LTCP) from the United States Environmental Protection Agency (USEPA) and New York State Department of Environmental Conservation (NYSDEC) on March 18, 2014. The Authority entered into an Amended Administrative Order on April 16, 2014 (herein after referred to as the AO), with the USEPA. This AO establishes a schedule for implementation of the Authority's LTCP, approved by the USEPA and NYSDEC.

The AO in part requires that the Authority submit written Annual Post Construction Monitoring (PCM) Status Reports to the USEPA and NYSDEC to be included with the Semi-Annual Status Report.

This report covers July 2016 through June 2017 which serves as Annual PCM Report No. 1.

2. DISCUSSION OF PCM TASKS BEGUN OR COMPLETED

Post construction monitoring of the Bird and Lang RTC projects has commenced in the last reporting period. The number of SPP events and volume of overflow that the structures have prevented is being monitored. The monthly performance reports for June 2017 are included in Appendix E.

Flow metering for the model calibration project have also been used for preconstruction monitoring of the Willert Park Green Infrastructure project. Meters located in the sewershed will be left in place following completion of the project for post construction monitoring of the green infrastructure project.

3. RESULTS OF PCM EFFORTS

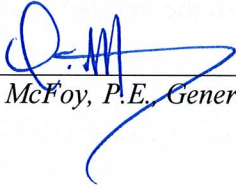
During the month of June, the first month that PCM has taken place at the completed RTC projects, a total of 8 SPP overflow events, or approximately 5.6 million gallons of overflow, has been prevented.

4. MODEL UPDATES COMPLETED

The process of converting the hydraulic model from XP-SWMM to PC-SWMM is continuing. The main flow metering program has been completed and data review of the program will be completed during the next reporting period. The subcatchment definition process has been completed in the updated model and QA/QC of the defined areas is continuing. The calibration process has commenced.

5. CERTIFICATION STATEMENT

"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 the 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."

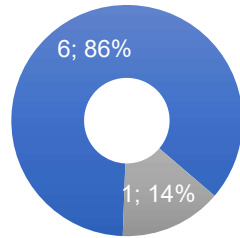


Oluwole A. McFoy, P.E., General Manager

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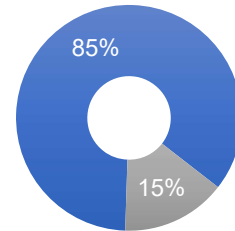
Date

Prevented SPP Events



■ Number of Prevented SPP Overflow Events
 ■ Number of Occurred SPP Overflow Events

Prevented SPP Volume

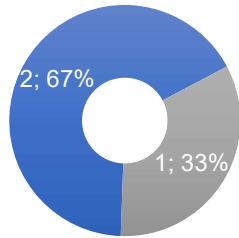


■ Prevented SPP Overflow Volume (Gal.)
 ■ Occurred SPP Overflow Volume (Gal.)

Number of Prevented SPP Overflow Events	Number of Occurred SPP Overflow Events	Prevented SPP Overflow Volume (Gal.)	Occurred SPP Overflow Volume (Gal.)
6	1	4,131,521	731,544

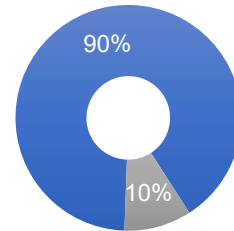
Event Date	SPP Overflow Volume Prevented	SPP Overflow Volume Occurred	Percent Capture
6/4/2017	62,960	-	100%
6/6/2017	219,221	-	100%
6/15/2017	646,200	-	100%
6/18/2017	1,784,034	731,544	71%
6/23/2017	395,511	-	100%
6/27/2017	715,361	-	100%
6/29/2017	308,234	-	100%

Prevented SPP Events



■ Number of Prevented SPP Overflow Events
 ■ Number of Occurred SPP Overflow Events

Prevented SPP Volume



■ Prevented SPP Overflow Volume (Gal.)
 ■ Occurred SPP Overflow Volume (Gal.)

Number of Prevented SPP Overflow Events	Number of Occurred SPP Overflow Events	Prevented SPP Overflow Volume (Gal.)	Occurred SPP Overflow Volume (Gal.)
2	1	1,427,360	152,334

Event Date	SPP Overflow Volume Prevented	SPP Overflow Volume Occurred	Percent Capture
6/18/2017	374,665	-	100%
6/18/2017	206,134	-	100%
6/27/2017	846,561	152,334	85%