LYNN
WATER & SEWER
COMMISSION

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July 25, 2019

Mr. Douglas Koopman, P.E.
Office of Environmental Stewardship
U.S. Environmental Protection Agency
5 Post Office Square - Suite 100
Boston, MA 02109-3912

Mr. Kevin Brander, P.E.
MA Department of Environmental Protection
Northeast Regional Office
205 B Lowell Street
Wilmington, MA 01887

Subject: Lynn Water and Sewer Commission
Third Modified Consent Decree
Semi-Annual Report: IDDE Program

Dear Mr. Koopman and Mr. Brander:

The following information is provided to summarize the results of IDDE work completed during the period by the Lynn Water and Sewer Commission (LWSC) to identify and eliminate wastewater sources discharging to Lynn's MS4 drainage system.

During the January 1, 2019 – June 30, 2019 reporting period, LWSC conducted <10 inspections and/or investigations resulting in 0 sampling events as part of LWSC's IDDE Program and Priority Ranking.

Collected samples are sent to New England Testing Laboratory (NET Labs) of West Warwick, RI. Samples from marine waters are analyzed for Enterococci Bacteria using the "Enterolert" most probable number (MPN) method of analyzing enterococci. Samples from fresh waters are analyzed for E-coli bacteria. Field testing is performed for each location for ammonia and surfactants, which are used in conjunction with bacteria results to isolate and determine a specific location or source of possible contamination.

Priority has been given to three outfall tributary areas: King's Beach, Flax Pond, and Sluice Pond, as described in LWSC's IDDE Priority Ranking Report.

Unfortunately, our investigations have not yielded the discovery of an illicit sewer service pipe tied into the drain. Pipe connections that were found tied to the drain from CCTV or pole-camera inspection were dye tested and confirmed to be correctly tied into the drain main.

Samples were taken in tributary drain areas in an effort to logically locate sources of contamination. Results have fluctuated for all parameters, posing a challenge in identifying what is causing the variations and or if patterns relate to other external factors. LWSC has continued cleaning several main drain lines and is investigating lining some areas of these tributary drain mains.

For the upcoming reporting period, as per the IDDE Priority Ranking, LWSC will continue to sample, inspect, and investigate until a source of contamination can be determined.

If you have any questions, or require additional information, please do not hesitate to contact me at (781) 596-2400.

Sincerely,

Anthony J. Marino, P.E.
Chief Engineer

Cc: Jeffery Kopf, George B. Henderson II, EES Case Management Unit, Heidi Zisch, Andrew Goldberg, LWSC file