



**Stantec Consulting Services Inc.**

5 Burlington Woods Drive Suite 210, Burlington MA 01803-4542

January 31, 2018

**Attention: Todd Borci**

US EPA Region I – New England  
5 Post Office Square – Suite 100  
Boston, MA 02109-3912

**Subject: ORDER ON CONSENT Docket No. CWA-AO-R01-FY17-11**  
**Report On Compliance**

Dear Mr. Borci,

The *Investigation of the Winn's Brook and Wellington Brook Tributary Areas* report was submitted to EPA in November 2017. This January 2018 Report On Compliance (ROC) describes activities conducted from November 2017 through the end of January 2018. As outlined in the November report, planned work for this period included sampling, dyed-water testing, and CCTV inspection. The Wellington Brook and Winn's Brook areas are designated as sub-catchments 8 and 10, respectively. Refer to the November report for complete figures of each sub-catchment area. The following tables and figures are included at the end of this ROC.

- Table 1 – CCTV Summary
- Table 2 – Upper Tributary Sampling Results (updated)
- Table 3 – Building Inspection and Dyed-Water Testing Results (updated)
- Figures 1-5 – CCTV Inspections
- Figures 6-10 – Additional Sampling

Sub-catchment 8-1

**Completed**

Dyed-water testing was completed on Bow Road (#30 Bow to #53 Bow), with all services determined to be connected to the sewer. There were no traces of dye in the storm drain.

**Planned**

Sandbag junction manhole at Bow/Randolph for further upstream sampling. Conduct follow-up dyed-water testing and CCTV as required.

Conduct further sampling on School Street, followed by dyed-water testing/flooding and CCTV as required.



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Sub-catchment 8-2

**Completed**

The origin of the sampled pipe connection was previously suspected to be the service from #150 Common Street. Dyed-water testing was conducted at #150 Common Street and determined to be connected to the sewer. There were no traces of dye in the storm drain.

**Planned**

The unknown pipe will be CCTV inspected to determine its origin.

Sub-catchment 8-5 (Figure 4)

**Completed**

Dyed-water testing was completed on Pierce and Brettwood Roads. Indirect connections were identified at #11 Pierce Road and #12 Brettwood Road. The sewer service from #12 Brettwood connects to Homer Road, which flows to Brettwood Road. Both services and the sewer and storm drain on Homer were CCTV inspected (video not yet received).

**Planned**

Review CCTV video to identify illicit connections and determine mitigation solution.

Sub-catchment 8-6 (Figures 1 & 2)

**Completed**

An unknown pipe discharging into the storm drain on Maple Street was CCTV inspected (video not yet received). Flow from the pipe exhibited high levels of E.Coli during previous sampling.

CCTV inspected storm drain on Bartlett Ave. and sewer on Vincent Ave (video not yet received).

Collected samples on Trapelo Road to chase the high levels of E.Coli identified on Wilson Ave.

**Planned**

Review CCTV video from Maple Street to identify illicit connections and determine mitigation solution. Conduct follow-up dyed-water testing and service lateral CCTV as required.

Conduct further sampling on Trapelo Road, followed by dyed-water testing and CCTV as required.



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Sub-catchment 10-2 (Figure 3)

**Completed**

CCTV inspected storm drain and five sewer services on Hoitt Road (video not yet received).

**Planned**

Review CCTV video to identify illicit connections and determine mitigation solution.

**ADDITIONAL INVESTIGATIONS**

Concurrent with the work described above, additional investigations have been conducted in areas tributary to outfalls 1, 2, 9, 9A, 11, 11A, 12, 15 and 15A. Although these investigations are not required by the Order On Consent, it is important to the Town of Belmont to share the results of all illicit connection investigations with the EPA and DEP.

Outfall Area 1 (Figure 6)

**Completed**

Collected 10 samples throughout Area 1.

**Planned**

Conduct further sampling, followed by dyed-water testing and CCTV as required.

Outfall Area 2 (Figure 7)

**Completed**

Collected 26 samples throughout Area 2.

**Planned**

Conduct further sampling, followed by dyed-water testing and CCTV as required.

Outfall Areas 9 & 9A (Figure 8)

**Completed**

Collected 3 samples in Areas 9 & 9A.

**Planned**

Conduct further sampling, followed by dyed-water testing and CCTV as required.



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Outfall Areas 11, 11A & 12 (Figures 5 & 8)

**Completed**

Collected 9 samples throughout Areas 11, 11A and 12. CCTV inspected storm drain and sanitary sewer, including 20 sewer services, on Oliver and Lodge Roads (video not yet received).

**Planned**

Review CCTV video to identify illicit connections and determine mitigation solution. Conduct follow-up dyed-water testing as required.

Outfall Areas 15 & 15A (Figures 9 & 10)

**Completed**

Collected 4 samples in Areas 9 & 9A.

**Planned**

Conduct further sampling, followed by dyed-water testing and CCTV as required.

Please contact me if you have any questions regarding the information contained in this report.

Regards,

**STANTEC CONSULTING SERVICES INC.**

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