

Information Report

Title: Environmental Services
Compliance Report August 2024

Report Number: Environmental Services-2024-
26

Director: Infrastructure &
Development

Manager: Environmental Services

Meeting Date:
Wednesday, September 11, 2024

Executive Summary:

The intent of this report is to inform Council of any compliance related issues and general information from the Environmental Services Department for the period of July 25 to August 29, 2024.

Context and Background Information:

This report includes a summary of the Armow DWS MECP Inspection, Lead Sampling for all Drinking water systems, Tiverton Tower maintenance, Briar Hill Well #1 sampling, Kincardine Wastewater TSS Exceedance, a BEC TSS Exceedance and BEC Raw composite sampler issues.

Armow DWS MECP Inspection

The onsite annual inspection for the Armow DWS was performed by the Ministry of the Environment, Conservation and Parks on July 25, 2024. No issues were found on site during the inspection. Requested documentation was submitted to the ministry for review. The final inspection report has not been received.

Lead Sampling-All Drinking Water Systems

Lead, ph and alkalinity sampling was completed for all municipal drinking water systems including the Huronville distribution system on August 12, 2024. All sample results were within the acceptable limits for drinking water.

Tiverton Drinking Water System

The Tiverton Water Tower (standpipe) was placed out of service on August 6, 2024, for maintenance. The maintenance work included a new ladder and fall arrest system on the outside of the tower which required new welds. The inside of the tower was required to be inspected after the welding to ensure the integrity of the lining. Users of the Tiverton Drinking Water System were asked to conserve water during the maintenance work to ensure that the wells can keep up with demand on the system while the standpipe is offline.

Maintenance works and inspections have been completed, the tower was disinfected, sampled and placed back online on August 30, 2024.

With the Tiverton Tower offline in August, the Briar Hill Well #2 was required to run on a VFD (Variable Frequency Drive) to maintain pressure and keep up with water demand. During this time the Briar Hill Well #1 could not be turned on for the weekly raw water sampling required under O. Reg 170. The ministry was notified that the sampling could not be completed on Well #1 while the Tower was offline and Briar Hill Well #2 was running on the VFD. Typically, Briar Hill Well #1 is not used and just kept online as a backup well due to its age. Briar Hill Well #1 will not be placed online until it can be sampled and results received. All required drinking water samples on Briar Hill Well #2 as well as the Dent Well #2 were completed as required.

Kincardine Wastewater System

An exceedance of the Total Suspended Solids (TSS) for the Kincardine Wastewater Final Effluent was reported to the Ministry for the months of June and July 2024. The monthly average for June was 41.5mg/L and July was 63.50mg/L. The monthly average limit in the ECA (Environmental Compliance Approval) is 40mg/L. Staff are monitoring the treatment system and looking into potential solutions.

BEC Wastewater System

An exceedance of the Total Suspended Solids (TSS) for the BEC Wastewater Final Effluent was reported to the Ministry for samples taken in the month of July. The Bruce Energy Center ECA (Environmental Compliance Approval) has a single sample result limit of 45mg/L and a monthly average limit of 30mg/L. The sample result on July 23 exceeded the limit with a result of 46mg/L and the July 31 sample result was 50mg/L. The average for the month of July was 41.7mg/L. Staff are monitoring the treatment system and looking into potential solutions.

The BEC ECA also states that raw wastewater samples must be composite samples. The composite sampler at the BEC site has not been working since mid May 2024. The May 28 sample, as well as all June, July and August samples have been grab samples instead of composite samples while staff await the correct parts for the sampler. The ministry has been notified.

Consultation Overview:

The Ministry of the Environment, Conservation and Parks performs the annual drinking water inspections as required under the Ontario Regulations.

Origin:

The Drinking Water Quality Management Standard requires relevant aspects of the Quality Management System to be communicated to the Owner of the system.

Attachments: None

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