

Information Report

Title: Environmental Services
Compliance Report November 2024

Report Number: Environmental Services-2024-
31

Director: Infrastructure &
Development

Manager: Environmental Services

Meeting Date:
Wednesday, December 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 October 31, 2024, to November 27, 2024.

Context and Background Information:

This report includes a summary of DWQMS External Audit results and activities, as well as wastewater sampling, a wastewater TSS exceedance and a wastewater spill event.

Drinking Water Quality Management System (DWQMS)

An External Surveillance Audit was performed by NSF International for all drinking water systems including the Huronville Distribution System on November 14 and 15, 2024. There were no non-conformances or issues found during the audit. There was one opportunity for improvement (OFI) noted which does not require a response but can be used as a suggestion to further improve the DWQMS. The attached summary explains the OFI in more detail.

An in-house Mock Emergency Training Scenario was performed with staff from multiple departments on November 19, 2024. The mock scenario covered a drinking water distribution system contamination event and allowed staff to review how they would react to such an event and discuss the resources that could be utilized throughout the municipality if such an event occurred. Emergency Training and testing for the DWQMS is required to be performed every 2 years to ensure staff are prepared and that contingency plans are kept up to date.

Wastewater Sampling

The Kincardine Wastewater System is required to test the final effluent for Acute Lethality on an annual basis. The Acute lethality sample was taken and shipped to the Nautilus Environmental Company Lab on November 12, 2024. The sample passed with a 0% mortality rate on rainbow trout using the pH stabilization method.

Wastewater Exceedance

The Bruce Energy Center Lagoon system had an Exceedance for Final Effluent Total Suspended Solids (TSS) in October. Two of the 3 samples taken in October exceeded the single sample result limit of 45mg/L. The Monthly average result was 39mg/L which exceeded the allowable limit of 30mg/L. The exceedance was reported to the Ministry of the Environment, Conservation and Parks.

Wastewater Spill

A spill of treated sewage from the Kincardine Wastewater Lagoon system occurred on November 18, 2024, at the intersection of Bruce Ave and Penetangore Row. The lagoon levels were adjusted that afternoon allowing more flow to leave the site and go through the effluent station where it received its final stage of treatment, the UV disinfection. Staff noticed treated sewage was coming up through a manhole at the intersection of Bruce Ave and Penetangore Row just before it would have been discharged to the Lake. It was determined the manhole has tree roots that are partially obstructing the pipe and caused the spill. The effluent flow was scaled back again so it would not overflow, however the roots in the manhole and pipe will need to be addressed to ensure this will not be a reoccurring issue. The spill was reported to the Spills Action Center and the Ministry of Health.

Consultation Overview:

The Ministry of the Environment, Conservation and Parks receives the wastewater exceedance information and requires the Municipality to be accredited for the Drinking Water Quality Management System and adhere to the standards.

Origin:

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

Attachments: 2024 11 15 DWQMS Summary of Non Conformance OFI External Audit

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