

Information Report

Title: Environmental Services
Compliance Report June 2024

Report Number: Environmental Services-2024-
19

Director: Infrastructure &
Development

Manager: Environmental Services

Meeting Date:
Wednesday, July 10, 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 May 22 to June 25, 2024.

Context and Background Information:

This report includes a summary of annual equipment calibrations, an issue with the Dent Well Depth transducer, a Tiverton DWS Ministry inspection, a wastewater bypass and a wastewater spill.

Annual Equipment Calibrations

The annual calibrations were performed by Nichol Water Service on May 29 for all online chlorine analyzers, turbidity analyzers and handheld verification units. There were no issues with online analyzers. One handheld unit that was being used at the Leachate Treatment facility was taken out of service. The unit does not need to be replaced as another unit can perform the same function.

The annual flowmeter calibrations were performed by Indus Controls Inc. from June 3-6, 2024. A calibration was not performed on the BEC Lagoon Influent flow meter as the meter failed previous calibrations and needs replacement. The Greenfield Ethanol Sewage meter was not calibrated either because it required a confined space entry. The meter is only used for billing and is not a regulatory flowmeter. The calibration can be performed at a later date if required.

Tiverton Dent Well Depth Transducer Data loss

The well depth transducer at the Dent Well in Tiverton appeared to be failing. The unit was still recording but would have sporadic sensor failures. The Permit to take water section 4.2 for the Tiverton Drinking water system requires well depth measurements to be obtained and recorded at least once every hour. Staff went to replace the transducer on May 14 and unplugged the unit. The wire could not be pulled through the conduit that day and required staff to dig up the conduit to replace the wire.

The wire was replaced and the new well depth transducer was placed online on May 16. No well depth measurements were recorded from May 14 at 10:07am to May 16 at 09:13am. The data loss was noticed at the month end data review and reported to the Ministry of the Environment, Conservation and Parks.

Tiverton DWS Ministry Annual Inspection

The onsite annual inspection for the Tiverton DWS was performed by the Ministry of the Environment, Conservation and Parks on June 13, 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.

Kincardine Effluent Station Wastewater Bypass

A bypass was reported on June 13, 2024, for the Wastewater Effluent Station located at 169 Mahood Johnston Drive in Kincardine. The duration of the bypass was 2 hours and 25 minutes and was caused by a power interruption. Staff placed boards at the lagoon cells to restrict flow but an estimated 17.4m³ of partially treated sewage was still directed to Lake Huron. During power outages the UV disinfection equipment has no backup power, therefore a bypass must be reported. A backup generator is currently being installed and should be placed online before the end of 2024. The Spills Action Center, the Grey Bruce Public Health Unit and ministry officials were notified of the bypass.

Kincardine Wastewater Spill

A spill of raw sewage was reported to the Spills Action Center and the Ministry of Health on June 14, 2024. A resident notified the on-call operator of sewage coming out of the manhole at 771 Broadway St around 7:45pm. A sewer truck was called in to suck out the manhole and deliver the sewage to the Park Street Sewage Pumping Station. It was estimated only 20-40L of sewage was spilled onto the asphalt and was cleaned up. Efforts were made to ensure the leak didn't get to any watercourse or pose a significant threat to property and the environment. The downstream manhole was also checked to ensure there was no blockage there. A company is currently working in the municipality to perform acoustic testing on the sewer mains which will detect blockages, they will be testing this area for to determine if there are any further issues.

Consultation Overview:

The Ministry of the Environment, Conservation and Parks performs the annual MECP drinking water inspections and receives spill notifications 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

Prepared by: Lisa Crimmings, Environmental Compliance Officer

Submitted by: Mark O'Leary, Manager of Environmental Services