



## Staff Report

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**Report To:** Council

**Report From:** Geoff Aitken, CET – Manager of Public Works

**Meeting Date:** August 15, 2023

**Subject:** IPW-2023-09 – West Grey Drinking Water Systems – Inspection Reports

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### Recommendations:

THAT in consideration of staff report “IPW-2023-09 – West Grey Drinking Water Systems Inspection Reports”, council receives the report for information purposes.

### Highlights:

- The MOECP awarded the Durham Drinking Water System an inspection rating of 100% and a risk rating of 0.00%
- The MOECP awarded the Neustadt Drinking Water System an inspection rating of 100% and a risk rating of 0.00%

### Previous Report/Authority:

Drinking Water Systems – 2022 Annual/Summary Reports

DWQMS – West Grey Waterworks Operational Plan

### Analysis:

As noted in previous staff reports presented to council regarding the waterworks, there is a legislative requirement for council to be aware of the ongoing operations of the waterworks itself. In the case of the Municipality of West Grey (West Grey), council has predominately relied on staff to advise council of the status of operations. For normal routine operations, staff provide an update to council based on various milestones over the course of the year, such as previous staff reports related to the 2022 Annual/Summary Reports and endorsement of the Operational Plan.

By way of this staff report, staff are providing a further update to council regarding the operations of the waterworks. The trigger or “milestone” for this report is the receipt of

the Ministry of the Environment, Conservation and Parks (MOECP) inspection reports for both the Durham Drinking Water System (DWS) and the Neustadt DWS. In both cases, each DWS received an Inspection Summary Rating Record (IRR) of 100% with a risk rating of 0.00%.

A typical inspection is based on 15 inspection modules covering such topics as: source, permit to take water, capacity assessment, treatment process, administrative procedures, drinking water quality monitoring and non-regulatory questions etc. On average a typical inspection will include 100 questions to determine the risk to the delivery of safe drinking water. “Risk” is not complying with regulations and is referred to as the Risk Management framework which essentially provides a formula for risk.

Risk = Likelihood multiplied by consequence. Every regulatory question is assigned a likelihood value (L=0, possible but highly unlikely to occur to L=4, almost certain to occur) for an assigned consequence value (C=1, medium administrative consequence to C=8, major health consequence). The highest risk rating for an individual regulated question is 32 (4x8) and the lowest is 0 (0x1). Questions resulting in a higher risk rating have potentially a more significant impact on drinking water safety and a higher likelihood of occurrence. The risk rating methodology is reviewed every three (3) years.

### **Financial Implications:**

There is no financial impact as a result of this report.

### **Communication Plan:**

Communication of this report is through the posting of council meeting agendas on the Municipality of West Grey’s website.

### **Consultation:**

Director of Infrastructure and Development

Supervisor, Urban Operations

### **Attachments:**

Durham Drinking Water Inspection Report

Durham IRR

Neustadt Drinking Water Inspection Report

Neustadt IRR

Risk Methodology Sheet

**Recommended by:**

Geoff Aitken, CET, Manager of Public Works

Karl Schipprack, Director of Infrastructure and Development

**Submission approved by:**

Laura Johnston, Chief Administrative Officer

For more information on this report, please contact Geoff Aitken, Manager of Public Works at [publicworks@westgrey.com](mailto:publicworks@westgrey.com) or 519-369-2200 x 227.