

## City of North Bay Report to Council

Report No: IO-2025-004

Date: March 26, 2025

Originator: Karin Pratte, P.Eng.

Business Unit:

Department:

Infrastructure and Operations

Water Treatment Plant

Subject: North Bay Drinking Water System 2024 Reporting

Closed Session: yes  no

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### Recommendation

That North Bay City Council accepts for information the attached 2024 Annual Report, Summary Reports, and DWQMS Management Review for the North Bay Drinking Water System.

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### Background

In accordance with legislative requirements, attached is the Annual Reports, Summary Reports, and Drinking Water Quality management Standard (DWQMS) Management Review meeting minutes for the North Bay Drinking Water System for the year of 2024. It is required under Ontario Regulation 170/03 of the Safe Drinking Water Act that an Annual and Summary report be prepared for each calendar year and provided to the Ministry of Environment, Conservation and Parks (MECP) no later than February 28<sup>th</sup> of the following year. A copy of the report must also be provided to the Owner of the drinking water system as represented by the Mayor and Council.

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### Annual Report

#### *Description of the Drinking Water System*

The Annual Report starts with a description of the drinking water system. This includes the Water Treatment Plant and distribution facilities: Ellendale Reservoir, CFB Standpipe, Judge Valve Chamber, Birches Standpipe, Airport Standpipe and Cedar Heights Pumping Station.

#### *Description of Monetary Expenses Incurred*

The Annual Report lists major repair and replacements to the drinking water system in 2024. This includes equipment installed or replaced at the water

treatment plant and facilities along with watermain repair and replacements in the distribution system.

#### *List of all Adverse Water Quality Incidents*

There were 5 adverse water quality incidents for the North Bay drinking water system in 2024. All incidents were reported to the Ministry of the Environment and Medical Officer of Health as required and corrective actions were implemented immediately.

#### *Microbiological Testing Summary*

Weekly microbiological testing is required in the distribution system and facilities. Approximately 75-85 microbiological samples are taken monthly and tested for bacteria content. All samples met the Ontario Drinking Water Quality Standards.

#### *Operational Testing Summary*

Operational testing of relevant parameters is completed by operational staff and on-line analyzers. There are three tables included in this section of the report which indicate the parameter being tested, the number of samples taken, the range of results (minimum and maximum values) and the regulatory requirement. All results listed meet the Ontario Drinking Water Quality Standards.

#### *Inorganic, Organic, THM, PFAS and Lead Testing Summary*

Quarterly and annual sampling is required under the drinking water regulations. The charts on pages 10 through 18 list the results of this sampling. All results listed meet the Ontario Drinking Water Quality Standards with the exception of one lead plumbing sample which is noted in the Adverse Water Quality Incidents.

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### **Summary Report**

The North Bay drinking water system summary report is also included for your information. The report provides a description of the water treatment plant, lists the adverse water quality incidents, and presents the record of water takings and treated water consumption for the North Bay Water Treatment Plant for the stated period (2024) and compares it to the 13 years prior. The 2024 treated water volume delivered into the distribution system is down by 0.5% from 2023.

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### **DWQMS Management Review**

The City of North Bay drinking water system has a quality management system which adheres to the Drinking Water Quality Management Standard (DWQMS) as required by Ontario Regulation 188/07. It is a requirement of the DWQMS that a management review meeting be held annually to evaluate the continuing suitability, adequacy and effectiveness of the City of North Bay's Quality Management System. Results of the management review must be provided to Council. Please find attached meeting minutes from the

management review held in 2024.

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### **MECP Inspection Report**

The City of North Bay drinking water system is inspected annually by the Ministry of Environment Conservation and Parks (MECP). The inspection report provides an assessment of compliance and conformance of the drinking water system with applicable legislation (Safe Drinking Water Act). The report includes a corresponding Incident Rating Report (IRR) which is a summarized quantitative measure of the drinking water system's annual inspection. The attached inspection report demonstrates that City of North Bay drinking water system obtained an exceptional final inspection rating of 100%.

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### **Financial/Legal Implications**

It is required under the Safe Drinking Water Act that the Annual Report, Summary Report and DWQMS Management Review meeting minutes be provided to Council.

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### **Corporate Strategic Plan**

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|---|--|
| <input type="checkbox"/> Natural North and Near                           | <input type="checkbox"/> Economic Prosperity     |
| <input type="checkbox"/> Affordable Balanced Growth                       | <input type="checkbox"/> Spirited Safe Community |
| <input checked="" type="checkbox"/> Responsible and Responsive Government |  |

### **Specific Objectives**

Maintain compliance with applicable legislation

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### **Options Analysis**

Option 1: That North Bay City Council accepts for information the attached 2024 Annual Report, Summary Report, and DWQMS Management Review for the North Bay Drinking Water System.

Option 2: That North Bay City Council does not accept the information. This is not recommended as it is a legislative requirement that Council receive this information.

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### **Recommended Option**

That North Bay City Council accepts for information the attached 2024 Annual Report, Summary Report, and DWQMS Management Review for the North Bay Drinking Water System.

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Respectfully submitted,

Name: Karin Pratte, P.Eng.

Title: Senior Environment & Facilities Engineer

**I concur with this report and recommendation**

Name: Alan Korell, P.Eng.

Title: Interim City Engineer

Name: John Severino, P.Eng., MBA

Title: Chief Administrative Officer

Personnel designated for continuance:

Name: Karin Pratte, P.Eng.

Title: Senior Environment & Facilities Engineer