

City of North Bay Report to Council

Report No: CORP-2022-113

Date: November 25, 2022

Originator: Mary-Ann Kotylak, CPPB, CPPO
Manager of Purchasing

Karin Pratte, P.Eng.
Senior Environment & Facilities Engineer

Business Unit:
Corporate Services

Department:
Financial Services Department

Subject: Request for Quote 2022-90 Chemicals

Closed Session: yes ☐ no ☒

Recommendation

That City Council approves the award of contracts to the following vendors, based on the unit rates specified in their bid for RFQ 2022-90, for the provision of chemicals as outlined below for a term of one (1) year, with an option in favour of the City to extend the contract for two additional terms of up to one year each as listed:

1. Award FloChem Ltd. for the provision of:
 - A. Calcium Thiosulphate for the Wastewater Treatment Plant
 - B. Calcium Thiosulphate for the Water Treatment Plant
 - E. Citric Acid for the Water Treatment Plant
 - H. Sodium Hydroxide for the Water Treatment Plant
 - I. Sodium Hypochlorite for the Ellendale Reservoir
2. Award Brenntag Canada Inc. for the provision of:
 - D. Chlorine Gas NSF for the Wastewater Treatment Plant
3. Award Kemira Water Solutions Canada Inc. for the provision of:
 - F. Ferric Sulphate for the Wastewater Treatment Plant
4. Award Reliable Industrial Supply Ltd. for the provision of:
 - C. Chlorine (Sodium Hypochlorite) for Public Works
 - J. Sodium Hypochlorite for the Water Treatment Plant
 - L. Methanol for the Leachate Treatment Plant

5. Award Fanchem Ltd. o/a PVS Benson for the provision of:
G. Hydroflourosilicic Acid for the Water Treatment Plant
M. Ferric Chloride for the Leachate Treatment Plant
6. Award Northland Chemical Inc. for the provision of:
K. Polymer Sludge Thickener for the Wastewater Treatment Plant
pending outcome of testing and evaluation to confirm acceptance of
alternative polymer.

Background

The Corporation of the City of North Bay Water and Wastewater Facilities are comprised of one drinking water plant, one wastewater plant, one leachate treatment plant, four water standpipes, one water reservoir, three water pumping stations and seventeen sewage lift stations.

Pursuant to the Safe Drinking Water Act, Municipal Drinking Water License and Permit, the Ontario Water Resources Act, and the Merrick Landfill Environmental Compliance Approval the City of North Bay operates their drinking water, wastewater system and leachate management system. These treatment processes require the use of specific chemicals. Without the supply of these specific chemicals, the City of North Bay would not be able to operate the drinking water and wastewater systems.

Financial/Legal Implications

A formal bid request, which closed November 7, 2022, was administered by the Purchasing Department and was publically advertised in accordance with the City's Purchasing By-Law 2013-200. Eight companies submitted bids for thirteen different chemicals. All submissions were evaluated by the Purchasing Manager and the Operation Manager Water & Wastewater Facilities. The evaluation considered lab analysis reports and price.

The results and ranking have been summarized in Appendix A. All vendors with number one (1) ranking are being recommended based on evaluation of lowest price for each chemical requested and meeting the mandatory technical requirements. These bids are considered fair and reasonable.

The bid prices represent a total cost over the initial one-year term based on the estimated quantities specified in the RFQ. Under the terms of the contract, the City will pay the unit rate specified for each item bid and is not bound to any specific quantities.

The actual quantity of chemicals purchased will vary based on operational requirements. Funding for the provision of chemicals provided under this contract is managed within the operating budgets of the Water, Wastewater and Environmental Services Departments. Sufficient funding will continue to be requested in future years.

Corporate Strategic Plan

- | | |
|---|--|
| <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

Ensure the efficient and effective operations of the city, with particular consideration to the impact of decisions on the property tax rate.

Options Analysis

Option 1: That City Council approves the award of contracts to the companies recommended in Report to Council No. CORP 2022-113 based on the unit rates specified in their bid for RFQ 2022-90 for the provision of chemicals for a term of one (1) year, with an option in favour of the City to extend the contract for two (2) additional terms of up to one (1) year each.

Option 2: Do not award a contract. This option is not recommended as these chemicals are required to operate the City of North Bay drinking water and wastewater and leachate systems.

Recommended Option

That City Council approves the award of contracts to the companies recommended in RTC 2022-113 based on the unit rates specified in their bid for RFQ 2022-90 for the provision of chemicals for a term of one (1) year, with an option in favour of the City to extend the contract for two (2) additional terms of up to one (1) year each.

Respectfully submitted,

Name: Mary-Ann Kotylak, CPPB, CPPO

Title: Manager of Purchasing

Name: Karin Pratte, P.Eng.

Title: Senior Environment & Facilities Engineer

We concur with this report and recommendation.

Name: Domenic Schiavone

Title: Director Public Works & Parks

Name: Margaret Karpenko, CPA, CMA

Title: Chief Financial Officer /Treasurer

Name: David Euler, P.Eng., PMP

Title: Chief Administrative Officer

Personnel designated for continuance:

Name: Karin Pratte, P.Eng.

Title: Senior Environment & Facilities Engineer

Appendix A Evaluation Tables

A. Calcium Thiosulphate for the Wastewater Treatment Plant

Ranking	Company	Bid Price
1	FlowChem Ltd.	\$35,490.00

B. Calcium Thiosulphate for the Water Treatment Plant

Ranking	Company	Bid Price
1	FlowChem Ltd.	\$7,520.00

C. Chlorine (Sodium Hypochlorite) for Public Works

Ranking	Company	Bid Price
1	Reliable Industrial Supply Ltd.	\$3,500.00
2	FlowChem Ltd.	\$6,790.00

D. Chlorine Gas NSF for the Wastewater Treatment Plant

Ranking	Company	Bid Price
1	Brenntag Canada Inc.	\$59,160.00

E. Citric Acid for the Water Treatment Plant

Ranking	Company	Bid Price
1	FloChem Ltd.	\$22,320.00
2	Brenntag Canada Inc.	\$25,560.00
3	Reliable Industrial Supply Ltd.	\$37,800.00

F. Ferric Sulphate for the Wastewater Treatment Plant

Ranking	Company	Bid Price
1	Kemira Water Solutions Canada Inc.	\$169,400.00*
2	Chemtrade Chemicals Canada Ltd.	\$169,400.00*
3	FloChem Ltd.	\$204,400.00

* In the event of a tie, the selected respondent was determined by way of a coin toss.

G. Hydrofluorosilicic Acid for the Water Treatment Plant

Ranking	Company	Bid Price
1	Fanchem Ltd. o/a PVS Benson	\$48,050.00
2	Brenntag Canada Inc.	\$94,550.00

H. Sodium Hydroxide for the Water Treatment Plant

Ranking	Company	Bid Price
1	FloChem Ltd.	\$32,385.00

I. Sodium Hypochlorite for the Ellendale Reservoir

Ranking	Company	Bid Price
1	FloChem Ltd.	\$27,380.00
2	Reliable Industrial Supply Ltd.	\$35,000.00

J. Sodium Hypochlorite for the Water Treatment Plant

Ranking	Company	Bid Price
1	Reliable Industrial Supply Ltd.	\$114,000.00
2	FloChem Ltd.	\$190,000.00

K. Polymer Sludge Thickener for the Wastewater Treatment Plant

Ranking	Company	Bid Price
1	Northland Chemical Inc.	\$88,920.00*
2	SNF Canada Ltd.	\$96,720.00
3	Brenntag Canada Inc.	\$123,760.00

*Award pending outcome of testing and evaluation to confirm acceptance of alternative polymer

L. Methanol for the Leachate Treatment Plant

Ranking	Company	Bid Price
1	Reliable Industrial Supply Ltd.	\$15,000.00

M. Ferric Chloride for the Leachate Treatment Plant

Ranking	Company	Bid Price
1	Fanchem Ltd. o/a PVS Benson	\$40,300.00
2	Reliable Industrial Supply Ltd.	\$48,100.00
3	FloChem Ltd.	\$57,460.00