

The Corporation of the City of Kawartha Lakes

Council Report

Report Number PUR2017-060

Date: December 12, 2017

Time: 2:00 p.m.

Place: Council Chambers

Ward Community Identifier: 9,10,11,12

Subject: Request for Proposal 2017-101-OP Supply and Delivery of Cold Water Coagulant

Author Name and Title: Marielle van Engelen, Buyer
Amber Hayter, Supervisor, Water and Wastewater Operations

Recommendation(s):

RESOLVED THAT Report PUR2017-060, Request for Proposal 2017-101-OP Supply and Delivery of Cold Water Coagulant, be received;

THAT Kemira Water Solutions Canada Inc. of Varennes, Quebec being the highest scoring proponent be selected for the award for Request for Proposal 2017-101-OP Supply and Delivery of Cold Water Coagulant;

THAT Council be informed that the initial contract will be for a three (3) year term commencing January 1, 2018 and ending December 31, 2020.

THAT Council approve the option to renew this contract for an additional two (2) one (1) year terms pending vendor performance, annual budget approval and in accordance with the Purchasing Policy;

THAT Council be informed that if the City elects to exercise the option to renew for the optional years, unit price per liquid kilogram per year, will be based on the previous year's unit price multiplied by the annual percentage change of the Consumer Price Index (CPI), not to exceed 2%;

THAT subject to receipt of required documents, the Mayor and Clerk be authorized to execute the contract to award this project; and

THAT the Purchasing Division be authorized to issue a purchase order.

Department Head:_____

Financial/Legal/HR/Other:_____

Chief Administrative Officer:_____

Background:

At the Council Meeting of October 10, 2017, Council adopted the following resolution:

WWW2017-007

Rob MacPherson, Water and Wastewater Technician
Coagulant Selection for the Lindsay Water Treatment Plant

CR2017-879

Moved By Councillor James

Seconded By Councillor Veale

RESOLVED THAT Report WWW2017-007, **Coagulant Selection for the Lindsay Water Treatment Plant**, be received; and
THAT the procurement for supply and delivery of Coagulant for the Lindsay Water Treatment Plant be awarded and approved through the request for proposal process in accordance with the Purchasing Policy.

CARRIED

This report addresses that direction.

Prior to recommendation of any coagulant product to be used at the Lindsay Water Treatment Plant (WTP), it was important to test a range of coagulants to determine if they were compatible with the WTP process. As a result, WSP Canada Inc. was retained by the City to study different types of coagulants for use at the Lindsay WTP. During the initial testing and evaluation, WSP identified two compatible coagulants, SternPAC and DeltaFloc-1118. WSP also recommended that further testing be completed on these two coagulants to confirm that these chemicals would perform adequately during different seasonal conditions and provide good safe drinking water for Lindsay's public supply. This further testing was completed by WSP in the winter months of 2017. Both chemicals performed at similar levels, however based on estimated annual dosages and pricing received by the supplier for both chemicals, DeltaFloc-1118 was more costly and with switching chemicals from the currently used coagulant, SternPac, to DeltaFloc-1118, there may be additional costs to accommodate the switch. Based on WSP's endorsement of SternPac as the preferred coagulant, staff had recommended to Council that SternPac continue to be the cold water coagulant used at the Lindsay WTP and that staff negotiate a contract with Kemira for the continued supply and delivery of SternPAC. In response Council, adopted the resolution above.

Through Council's direction, Request for Proposal 2017-101-OP Supply and Delivery of Cold Water Coagulant was released on October 26, 2017. The proposal closed on Thursday November 16, 2017, and was opened at a public

meeting by Andy Letham, Mayor and Marielle van Engelen, Buyer with the following results:

Proposals Received From
Kemira Water Solutions Canada Inc.
ControlChem Canada Ltd.

Submissions were checked for mathematical errors and compliance to the proposal requirements.

Various City staff participated in reviewing the RFP submissions with Kemira Water Solutions Canada Inc. being the highest scoring proponent.

Rationale:

Staff recommends that Kemira Water Solutions Canada of Varennes, Quebec, being the highest scoring proponent, be selected for the award for Request for Proposal 2017-101-OP Supply and Delivery of Cold Water Coagulant.

Other Alternatives Considered:

None as Kemira Water Solutions Canada is being recommended as the highest scoring Proponent.

Financial/Operation Impacts:

All costs for coagulant are included in the department's annual operating budget. There are adequate funds to support the recommendation in this report.

Relationship of Recommendation(s) To The 2016-2019 Strategic Plan:

This Report contributes to the Council Adopted Strategic Plan in the following ways:

This report directly addresses “*Goal 3 – A Healthy Environment; Objective 3.1: A healthier environment; Action 3.1.6: Protect & enhance water quality*” of the Strategic Plan. Choosing the best available cold water coagulant for the Lindsay WTP ensures the best possible treated water quality for Lindsay and protects public health.

This report relates to *Objective 1: Best technology and best use of technology* of the *Enabler 4: Efficient Infrastructure and Asset Management*” of the Strategic Plan. The selection of the optimized coagulant has reduced waste, improved asset management and allows for a more efficient water treatment process.

This Report is in line with the City of Kawartha Lakes values, specifically continuous improvement and excellence as this will improve the municipal drinking water system quality as well as provide excellent, efficient, and safe services for the public of Kawartha Lakes.

Consultations:

Supervisor, ORO – Water Treatment
Water and Wastewater Technician

Department Head E-Mail: brobinson@kawarthalakes.ca

Department Head: Bryan Robinson, Director of Public Works

Department File: RFP2017-101-OP