

Report to Infrastructure and Corporate Services Committee

To: Chair and Members
Infrastructure and Corporate Services Committee
From: Kelly Scherr, P.Eng., MBA, FEC
Deputy City Manager, Environment & Infrastructure
Subject: Purchase of Replacement Ozone Based Odour Control
Unit(s) – Irregular Result
Date: April 9, 2025

Recommendation

That, on the recommendation of the Deputy City Manager, Environment & Infrastructure, the following actions **BE TAKEN** with respect to the Supply of Odour Control Units for various sites within the wastewater treatment systems.

- a) the purchase of Replacement Ozone Based Odour Control Units **BE AWARDED** to Sublime Environmental for the total price of \$163,476 excluding HST, in accordance with Section 19.4 of the City of London's Procurement of Goods and Services Policy;
- b) the financing for this project **BE APPROVED** as set out in the Sources of Financing Report attached hereto as Appendix 'A'; and
- c) the Mayor and City Clerk **BE AUTHORIZED** to execute any contract or other documents, if required, to give effect to these recommendations.
- d) the Civic Administration **BE AUTHORIZED** to undertake all the administrative acts that are necessary in connection with this project.

Executive Summary

The purpose of this report is to seek approval to purchase equipment supply and commissioning services for two ozone-based odour control units to be installed at Greenway and Pottersburg Wastewater Treatment Plants

The Odour control units at these two facilities are approaching end of life. The replacement units have increased odour treatment capacity and lower maintenance and operating costs. They are also able to be installed to make best use of existing infrastructure.

Linkage to the Corporate Strategic Plan

This report supports the 2023-2027 Strategic Plan through Climate Action and Sustainable Growth:

- Waterways, wetlands, watersheds, and natural areas are protected and enhanced.
- London is more resilient and better prepared for the impacts of a changing climate.
- Infrastructure is built, maintained, and secured to support future growth and protect the environment.

Analysis

1.0 Background Information

1.1 Previous Reports Related to this Matter

None

2.0 Discussion and Considerations

2.1 Project Description

Wastewater Treatment Operation (WTO) has many odour control systems across many different facilities to treat the odorous air emissions that can be released during wastewater collection and treatment. WTO has adopted ozone as the preferred odour control strategy.

In the past, technologies utilized have included chlorine wet scrubbers, wood chip biofilters and synthetic (manufactured) media biofilters for odour control. While in many cases effective, they were also found to incur a high capital and operational cost compared to ozone technologies.

The ozone odour control units recommended for purchase will add to the current install base consisting of other units purchased from this manufacturer through competitive processes. One of these units was installed at the Clarke Road Pumping Station and has been in service for approximately two years with good operational performance and maintenance costs within expectations.

The Greenway and Pottersburg plants have units incurring increased costs and frequency of maintenance to keep in operation, and the replacements are to maintain or improve levels of service at those locations. These sites also have recorded increased odour complaints.

2.2 Procurement Process

Despite experience with certain vendors, a Request for Tenders was deemed appropriate because of the ability to clearly define the requirements of the products to be supplied. This would allow a market assessment to understand what vendors can supply this emerging technology and meet the specification.

The procurement process was undertaken in accordance with the City of London's Procurement of Goods and Services Policy, Section 13.1. Facilitated by the Procurement & Supply Division, a Request for Tenders was advertised on Bids and Tenders. Only one bid was received from the following equipment supplier:

- Sublime Environmental

Evaluation of a single bid is subject to Section 19.4 of the Procurement of Goods and Services Policy, which requires the joint approval of the Deputy City Manager and the Manager of Purchasing and Supply to open the bid submission for evaluation. This approval was given.

The proposal received from Sublime Environmental was reviewed for compliance with the tender specification and was deemed compliant. The units to be purchased are manufactured and supported from Peterborough, Ontario.

2.3 Schedule and Budget Implications

Funds are available in the capital budget to support this assignment as identified in the Sources of Financing, attached as Appendix 'A'.

Conclusion

The replacement ozone based Odour control systems will help reduce operational costs, increase reliability and help reduce odour complaints.

Sublime Environmental has extensive experience in water treatment ozone systems as well as treatment of odorous air treatment using ozone. Sublime has met the requirements of the specification. The City's experience with our existing Sublime Environmental system and their support team has been positive.

It is recommended that the supply of the two Ozone Odour Control systems for Pottersburg and Greenway wastewater treatment plants in the amount of \$163,476.00 plus HST be awarded to Sublime Environmental.

Prepared by: Kirby Oudekerk, MPA, P.Eng.
Division Manager, Wastewater Treatment Operations

Submitted by: Ashley Rammeloo, MMSc., P. Eng.
Director, Water, Wastewater and Stormwater

Recommended by: Kelly Scherr, P. Eng., MBA, FEC
Deputy City Manager, Environment & Infrastructure

Appendix 'A' Source of Financing

cc: Andrew O'Brien, Zeina Nsair, Darren Mockler

Appendix "A"

#25051

April 9, 2025

(Award Contract)

Chair and Members

Infrastructure and Corporate Services Committee

RE: Purchase of Replacement Ozone Based Odour Control Unit(s) - Irregular Result
(Subledger FS250001)

Capital Project ES238124 - Odour Control WWTP and PS

Sublime Environmental - \$163,476.00 (excluding HST)

Finance Supports Report on the Sources of Financing:

Finance Supports confirms that the cost of this project can be accommodated within the financing available for it in the Capital Budget and that, subject to the approval of the recommendation of the Deputy City Manager, Environment and Infrastructure, the detailed source of financing is:

Estimated Expenditures	Approved Budget	Committed to Date	This Submission	Balance for Future Work
Construction	258,750	0	166,353	92,397
Total Expenditures	\$258,750	\$0	\$166,353	\$92,397

Sources of Financing

Drawdown from Sewage Works Renewal Reserve Fund	258,750	0	166,353	92,397
Total Financing	\$258,750	\$0	\$166,353	\$92,397

Financial Note:

Contract Price	\$163,476
Add: HST @13%	21,252
Total Contract Price Including Taxes	184,728
Less: HST Rebate	-18,375
Net Contract Price	\$166,353

Jason Davies
Manager, Financial Planning & Policy
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