

TO:	CHAIR AND MEMBERS CIVIC WORKS COMMITTEE MEETING ON JULY 14, 2020
FROM:	KELLY SCHERR, P.ENG., MBA, FEC MANAGING DIRECTOR ENVIRONMENTAL & ENGINEERING SERVICES AND CITY ENGINEER
SUBJECT:	PILOT PROJECT TECHNOLOGY FOR AIR AND ODOUR MONITORING IN SOUTH LONDON – REQUEST TO NEGOTIATE A SINGLE SOURCE AGREEMENT

RECOMMENDATION

That on the recommendation of the Managing Director, Environmental & Engineering Services and City Engineer, the following action **BE TAKEN** with respect to a pilot project for air and odour monitoring in south London:

- a) The Civic Administration **BE DIRECTED** to negotiate a single source agreement for the procurement of air and odour monitoring equipment and technical reporting services as per Section 14.4(e) of the Procurement of Goods and Services Policy with EnviroSuite Limited for a term of up to three years, with two, one-year extension options at the sole discretion of the City, IT BEING NOTED that the final contract will be subject to approval by Municipal Council and Civic Administration will report back on:
- i. the outcome of the negotiation with EnviroSuite Limited;
 - ii. the final details and costs of the Pilot Project including how the City will be participating and the potential benefits to the community; and
 - iii. the benefits of the Pilot Project and its role in addressing elements of the Environmental Assessment for the Expansion of the W12A Landfill, current landfill operations and future operations.

PREVIOUS REPORTS PERTINENT TO THIS MATTER
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Relevant reports that can be found at www.london.ca under City Hall (Meetings) include:

- Odour Monitoring Pilot Program (June 18, 2018 meeting of the Community & Protective Services Committee (CPSC), Item #2.1)
- Proposed Public Nuisance By-law Amendment to Address Odour Monitoring Pilot Project (February 21, 2018 meeting of the CPSC, Item #9)
- Review of Impacts from Industrial Sources (Focus on Odour) and Potential Municipal Actions (Primarily South of Highway 401) August 28, 2017 meeting of Planning & Environment Committee (PEC), Item #16)
- Update & Next Steps – Review of Impacts from Industrial Sources (Focus on Odour) and Potential Municipal Actions (Primarily South of Highway 401), April 24, 2017 meeting of PEC, Item #4)
- Comments - Orgaworld Canada Ltd, November 13, 2012 meeting of PEC, Item #2)
- Various submissions and comments were made by delegations and participants at the Public Participation Meeting held on November 13, 2012

COUNCIL'S 2019-2023 STRATEGIC PLAN

Municipal Council has recognized the importance of solid waste management in its 2019-2023 - Strategic Plan for the City of London as follows:

Building a Sustainable City

London's infrastructure is built, maintained and operated to meet the long-term needs of our community (Build infrastructure to support future development and protect the environment)

Growing our Economy

London is a leader in Ontario for attracting new jobs and investments (Increase partnerships that promote collaboration, innovation and investment)

Leading in Public Service

Londoners experience exceptional and valued customer service (Increase community and resident satisfaction of their service experience with the City)

BACKGROUND

PURPOSE

The purpose of this report is to obtain direction for the Civic Administration to negotiate a single source agreement with EnviroSuite Limited to establish an air and odour monitoring system at the W12A Landfill and make it part of south London air and odour monitoring network pilot project.

CONTEXT

The geographic area of south London has a high concentration of industrial facilities including the Convertus (formerly Renewi Canada / Orgaworld) composting facility, the StormFisher Environmental Ltd. bioenergy facility, the City of London's W12A Landfill, Ingredion Incorporated and several other private waste processing and handling facilities.

For these facilities, the Ministry of Environment, Conservation and Parks (MECP) continues to receive odour complaints from the community attributed to the local waste processing and handling industries.

Previously, the City has participated in other odour monitoring approaches in south London, most recently in the summer of 2018. This project was done in collaboration with StormFisher Environmental and Convertus. Details of this pilot project can be found on the City's website (Odour Issues and Related Matters from Waste Management and Industrial Facilities in South London) at:

<http://www.london.ca/residents/Garbage-Recycling/waste-management-planning/Pages/Odour-Issues.aspx>

In the spring of 2019, StormFisher Environmental and Renewi Canada (now Convertus) began preliminary discussions with MECP to investigate the feasibility of an odour monitoring network in South London.

In late 2019, MECP staff contacted the City of London regarding the development of an air and odour monitoring network pilot project (continuous monitoring, 24/7) for south London being modeled after air monitoring networks that exist in Ontario. The difference for the south London area pilot project is that the focus will be on odours. This will be the first pilot project of its kind in Ontario.

The air and odour monitoring pilot project will be led, funded and implemented by local organizations, in partnership and coordination with the MECP. The MECP will also provide technical expertise and oversight during the implementation and operation of the network.

The pilot project would not impact MECP's compliance and abatement processes. The province will continue to ensure any adverse effects are resolved through compliance and enforcement measures and/or with operational and maintenance work conducted by the industry/facilities to mitigate odour and the network will help all stakeholders to address the subjectivity of odour sources and the receptors that may be detecting them.

After reviewing different monitoring technologies in 2018 and 2019, StormFisher and Renewi (now Covertus), in consultation with MECP, selected a monitoring technology proposed by EnviroSuite Limited <https://envirosuite.com/>. Both companies have individually negotiated or are in the process of negotiating a final agreement with EnviroSuite Limited for the pilot project.

Preliminary discussions with EnviroSuite and City staff have occurred. Further discussion have occurred with the MECP in 2020 including with the Regional Director.

DISCUSSION

The City's Procurement of Goods and Services Policy defines and permits a Single Source purchase as follows:

14.4 Single Source

Single Source means that there is more than one source of supply in the open market, but only one source is recommended due to predetermined and approved specifications.

The procurement may be conducted using a Single Source process if the goods and/or services are available from more than one source, but there are valid and sufficient reasons for selecting one supplier in particular, as follows:

- e. The required goods and/or services are to be supplied by a particular supplier(s) having special knowledge, skills, expertise or experience;

Considering that two London firms have or are close to finalizing an agreement with EnviroSuite Limited, City staff wish to enter into single source negotiations as well for the following reasons:

- the use of one technology provider is desirable to ensure consistency in how measurements are being recorded, analyzed and presented;
- data from each participant's monitoring units will be going to a single website that all community and business stakeholders can view transparently and in real time.
- StormFisher and Covertus have used EnviroSuite in the past and have thoroughly reviewed and selected EnviroSuite for the pilot project;
- economies of scale should prove advantageous to the City and other participants in the pilot project with respect to costing; and
- EnviroSuite has completed projects for landfill sites in the United States and other parts of the world. EnviroSuite has offices Asia Pacific, USA, Canada, Europe and South America. <https://envirosuite.com/projects/proactive-odour-and-air-quality-management-at-a-landfill-on-the-us-east-coast>

The EnviroSuite technology includes the following components that City staff believe will be beneficial to the City and/or the community:

- Ambient eNose air and odour monitoring stations that use an array of metal oxide semiconductor sensors that react to odorous gases and create a “fingerprint” of a detected odour for the purpose of providing an indication of the likely primary pollutant
- Real-time and historical data collection and various graphical views (continuous monitoring, 24/7)
- Weather data
- Indicative odour intensity values
- Increased ability to predict odour patterns and adjust landfill operations, if possible
- Information publicly available through a website including real-time data

Based on a review of initial information, implementing this technology for a three year period including ancillary elements would be between \$80,000 and \$140,000 per year depending on the number of monitoring stations that would be required at the W12A Landfill site.

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