

MEDIA ADVISORY

Issued July 24, 2023

Measuring Greenhouse Gas Emissions from Wastewater Treatment Sites – New research project kicks off July 26

Toronto Metropolitan University (TMU) and other partners are coming together to study the accuracy and reliable quantification of greenhouse gases in municipal wastewater systems over the next three years. This research will take place in several communities across Canada, including City of London and the Municipality of Middlesex Centre.

The partnership received a \$1.5 million grant from Natural Sciences and Engineering Research Council of Canada (NSERC) for this research.

A kick-off meeting for the project is set for Wednesday, July 26, 2023, in Komoka.

Members of the media are invited to attend the meeting to learn more about the project. Alternatively, questions can be directed to the project lead, Dr. Elsayed Elbeshbishy of TMU.

Who

Invited speakers include:

- Steven Liss, Toronto Metropolitan University, Vice President for Research and Innovation
- Mayor Aina DeViet, Municipality of Middlesex Centre
- Warden Cathy Burghardt-Jesson, County of Middlesex
- Mayor Josh Morgan, City of London

Keynote Speaker: John Willis, Vice President, Wastewater Solutions at Brown and Caldwell, a renowned expert on measuring greenhouse gas emissions in municipal wastewater systems.

When

Wednesday July 26, 2023

- Welcome and Keynote Address from 11:00 am – 12:15 pm
- Best time for interviews is 12:15pm to 1:15pm
- Full agenda attached.

Where

- In Person: Komoka Community Centre, 133 Queen Street, Komoka ON N0L 1R0 (free on-site parking)
- Virtual: Join via Zoom at:
<https://torontomu.zoom.us/j/94773739107?pwd=MnNPZGd3N2FPS1RDOU5zcVJqWTJDdz09>

Questions:

- Related to the Research Project: Dr. Elsayed Elbeshbishy, TMU, T: (416) 979-5000, ext. 557618, E: elsayed.elbeshbishy@torontomu.ca
- General questions about the event: Heather Kepran, Communications Specialist, Municipality of Middlesex Centre, T: 519-666-0190 ext. 5259, E: kepran@middlesexcentre.ca

Meeting agenda.

Meeting Details:

[Wednesday July 26, 2023]
[11:00 am - 3:30 pm]
[Komoka Community Centre
133 Queen Street, Komoka
ON N0L 1R0]

**NSERC Alliance Grant on
GHG Emissions from North American Treatment Sites**

Zoom Meeting Details
Link: [Click Here](#)

Meet and Greet

11:00 am

Refreshments

11:00 - 11:15 am

Welcome & Keynote speech

11:15 am - 12:15 pm

- Welcome and Overview of the Project from Elsayed Elbeshbishy
- Greetings from Steven Liss, TMU Vice President for Research and Innovation
- Greetings from Mayor Aina DeViet, Municipality of Middlesex Centre
- Greetings from Warden Cathy Burghardt-Jesson, County of Middlesex
- Greetings from Mayor Josh Morgan, City of London
- Keynote speech by John Willis
 - GHGs emissions by sewers and wastewater treatment plants: research priorities and strategic directions for municipalities

Break and Lunch

12:15 - 1:15 pm

Partners' introduction and technical presentations

1:15 - 3:30 pm

- Partners' introduction
- Technical presentations
 - GHG detection and monitoring
 - Quantification of GHG emissions at WRRFs - Farokh
 - Monitoring GHG emissions from Sewer pilot - Domenico
 - Data management (Integration and Interpretation) and Drone development - Ahmed Shaker
 - Modeling of GHG emission from Sewer and WRRFs - Ahmed El Omari
 - AI application - Mohamed and Ahmed

Adjourn

