



2020 OWWA Water Efficiency Webinar: Water Reuse and Rainwater Harvesting

Thursday, October 29th, 2020

12:50 p.m. to 2:05 p.m.

1:00 p.m.

Opening Remarks

1:05 p.m.

Advancing Water Reuse through a demonstration project in York Region

Theresa MacIntyre-Morris, Regional Municipality of York

York Region is exploring the 'One Water' concept by developing a greater understanding of the technical, environmental and regulatory impact of centralized water reuse. The multi-year Water Reuse Research Demonstration project shows the benefit of shifting our perception of treated wastewater effluent from a waste product needing disposal to a resource with value. This change in perception can unlock environmental, social and economic benefits.

The project studied the use of reclaimed water (disinfected final effluent) from York Region's Mount Albert Water Resource Recovery Facility (wastewater treatment plant) to irrigate sod at an operating sod farm for a period of two growing seasons, 2018 and 2019. The study also included one season of irrigating potted hardy fall chrysanthemums and grass seed germination trials.

Learn about the drivers for water reuse in York Region, results of the project, and how we are working to advance centralized water reuse in Ontario.

1:35 p.m.

Benefits and Challenges of Rainwater Harvesting

Tim Neeb, P. Eng., Neeb Engineering Inc.

Tim will draw on his industry experience to discuss Rainwater Harvesting (RWH) basics such as typical system design, key qualifiers for a viable project, challenges, and opportunities related to RWH in Ontario. A variety of projects will be presented as case studies describing motivating factors driving the implementation of RWH technology, design considerations and outcomes.

With continued growth planned in many Ontario municipalities, and increased demand for water resources, there is an opportunity for RWH technology to play a significant role in ensuring the sustainability of our water resources.

2:00 p.m.

Closing Remarks



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Featured Speakers

Theresa MacIntyre-Morris

**Policy, Research & Initiatives Advisor, Strategy and Innovation,
Environmental Services, Regional Municipality of York**

Theresa MacIntyre-Morris is a Policy, Research & Initiatives Advisor in the Strategy & Innovation branch of Environmental Services at the Regional Municipality of York. She has more than 15 years' experience developing municipal sustainability programs, strategies and policy. Theresa is also a graduate of Dalhousie University with both a Bachelor of Science and a Bachelor of Engineering.



Tim Neeb, P. Eng.

NEEB Engineering Inc.

Tim Neeb received his B.Eng. in Mechanical Engineering from Ryerson University, and is a licensed Professional Engineer with over 30 years experience in the building construction industry. Tim incorporated NEEB Engineering Inc. in 2007, and provides consulting services that include designing of domestic water, storm water and sanitary drainage systems. Tim incorporated STORM-WELL Inc. in 2018 with the intent of addressing the lack of technical capacity in North America around rainwater harvesting



Moderated by:

Tara Clayton, Manager, Public Works

Infrastructure Services

Town of Orangeville

Registration can be found online at:

<https://owwa.ca/events-list.html>

Registration:

- Members: \$29 (+HST)
- Non-Members: \$49 (+HST)
- Students: Free

HST number: # R122057458

- Questions regarding registration should be directed to the OWWA office at (416) 231-1555 or waterinfo@owwa.ca
- Attendance is by advance registration only
- Webinar participants may be eligible to receive CEUs upon attending. Please provide your WWOCS numbers on the registration form
- Cancellation requests must be made in writing and sent to the OWWA office via email. Telephone cancellations will not be accepted.