



Ontario Water Works Association

A Section of AWWA

2013 Fall Groundwater Workshop

Groundwater Under the Direct Influence Updates and Groundwater Operations Case Studies

Wednesday, October 9, 2013

at

Toscana Banquet and Conference Centre & Hilton Garden Inn

Vaughan, ON

Sponsored by:

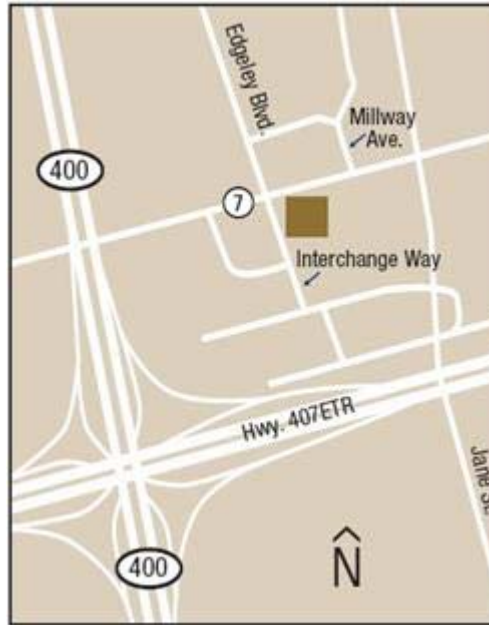
OWWA Groundwater & Source Water Protection Committees

CEUs pending Ministry approval

This workshop will be of special interest to: operators, supervisors, managers, and consultants involved in the operation of groundwater drinking water supplies. Especially GUDI system

Location:

Toscana Banquet and Conference Centre & Hilton Garden Inn
3201 Highway 7 West
Vaughan, ON
(905) 660-5200
www.toscanabanquethall.com



Directions:

Exit Highway 400 onto Highway 7 and travel ½ km east to Toscana on right.

On-site parking is free.

Please make cheques payable to:
Ontario Water Works Association – A Section of AWWA
922 The East Mall Dr Suite 100
Toronto, ON M9B 6K1
HST #R122057458

REGISTRATIONS ACCEPTED ONLINE OR BY FAX

<http://www.owwa.ca/events-calendar/>
(416) 231-1556

Name: _____

Position: _____

Company: _____

Address: _____

Tel No: _____

Fax No: _____

E-mail: _____

My OWWA Member No. is: _____

WWOCS ID#: _____

OWWA Member on or before September 9 th , 2013	=	\$236.01
OWWA Member after September 9 th , 2013	=	\$295.00
Non-Member Rate	=	\$375.00*
Young Professional	=	\$135.00**
Student	=	\$30.00**

(registration amounts include HST)
*includes an OWWA operator membership
** registrations in limited quantity

Payment Options:

I enclose a Cheque
 Purchase Order # _____
in payment for my registration.

I wish to pay for my registration by credit card:

VISA MasterCard Amex

Name on card: _____

Card #: _____ CVV# _____

Expiry: _____ Signature: _____

Workshop Agenda

- 8:30 a.m.** Registration & Continental Breakfast
- 8:55 a.m.** Opening Remarks
*Simon Gautrey & Mike Fairbanks
Committee Chairs*
- 9:00 a.m.** Development of the new MOE Guidance Document to Determine Minimum Treatment Requirements for Municipal Residential Groundwater System
*Aziz Ahmed,
Ministry of Environment
Monica Emelko,
University of Waterloo*
- 9:40 a.m.** Well Integrity: An Important First Step in Evaluating Municipal Wells
*Tim Lotimer,
Lotimer and Associates Inc.
James Pickering
Ministry of Environment*
- 10:20 a.m.** Break
- 10:35 a.m.** Assessing Microbial Water Quality
*Tim Walton,
Region of Waterloo*
- 11:15 a.m.** Pathogen Vulnerability of Municipal Wells
*Tammy Middleton
Region of Waterloo*

- 11:55 a.m.** Determining Treatment Requirements to Achieve Disinfection in Groundwater
*John G. Minnery,
Ministry of Environment
Dennis Mutti
Eramosa Engineering*
- 12:35 p.m.** Lunch
- 1:30 p.m.** Municipal Groundwater: Pumping Hydraulics & Efficiency, Cost of Operation & Options for Energy Savings
*John Harris,
International Water Supply Ltd.*
- 2:00 p.m.** Managing the Restoration of Municipal Well System Capacity in a Complex Environment
*Tammy Silverstone,
York Region*
- 2:30 p.m.** Break
- 2:45 p.m.** GUDI Re-designation Orono Municipal Wells Regional Municipality of Durham
*Beata Golas,
Regional Municipality of Duhram*
- 3:15 p.m.** Comparison of well casing failures in municipal water wells in Ontario, what happened, what are the suspected causes and could they have been predicted
*Boyd Pendleton,
Lotowater Technical Service Inc.*
- 3:45 p.m.** Closing Remarks

General Information

- Questions regarding registration should be directed to the OWWA office (416) 231-1555 or waterinfo@owwa.ca
- Questions regarding program content should be directed to Mike Fairbanks (mike.fairbanks@york.ca) or Simon Gautrey (simon.gautrey@amec.com)
- Cheques should be mailed only after registering by fax.
- Attendance is by advance registration only. Registrations will not be confirmed but receipts will be issued on request.
- Participants will be eligible to receive CEUs pending Ministry approval.
- Electronic copies of presentations will be made available.
- Breakfast, lunch and refreshments are provided as part of the registration fee. Please let the OWWA office know if you have any dietary requirements.
- Cancellation requests must be made in writing and sent to the OWWA office via fax or email. Telephone cancellations will not be accepted. All cancellations emailed/faxed dated up to and including one week before the seminar will be refunded minus a \$20.00 administrative fee. Refunds will not be issued for cancellations received after this date. It is strongly encouraged that if you cannot attend the seminar for which you are registered, please send a substitute (if possible please provide advance notice of the substitution).