



# NASTT's Lateral Lining Good Practices Course

Thursday, April 25, 2013  
8:00am to 5:00pm  
Courtyard by Marriott – Hamilton, ON



The Great Lakes, St. Lawrence and Atlantic (GLSLA) Chapter of the North American Society for Trenchless Technology (NASTT) is pleased to present a special one-day Lateral Lining Good Practices Course, Thursday, April 25, 2013, at the Courtyard by Marriott, Hamilton, Ontario.

**Description:** Millions of sewer laterals – the portion of sewer networks that connect individual properties to the public sewer network – exist throughout Canada. Many laterals have not been maintained and as a result, allow a significant amount of inflow and infiltration (I/I) into sewer systems, which can lead to sanitary sewer overflows, increased costs and damage. Consequently, there is a compelling need to solve I/I problems of sewer laterals.

**Course Objective:** This course offers a clear understanding of the problems and relevant issues unique to the private lateral portion of the collection system network, explains available options for inspection, evaluation and repair of sewer laterals and address the financial and legal issues that affect the means by which necessary work can be accomplished.

**Course Topics:** The sewer laterals course covers the following topics: (1) an introductory overview of what sewer laterals are and why they present an important problem, (2) methods of locating and inspecting of laterals, (3) condition assessment and decision-making regarding necessary repair, options for trenchless rehabilitation or replacement of laterals, (4) bid documents and (5) legal and financial issues. Most attention is given to a detailed description of rehabilitation methods, review of relevant issues (before, during or after construction) and experience gained in case studies.

**Who should attend?** The target audience is contractors, public works and municipal personnel, consulting engineers, inspectors and industry practitioners.

**To Register:** Please visit our website at [www.glsla.ca](http://www.glsla.ca) or contact Jennifer Moulblow, Phone: 905-304-0080 Ext. 221, E-mail: [jmoulblow@rcii.com](mailto:jmoulblow@rcii.com).

**Sponsors:** GLSLA would like to thank the following sponsors for their support.



### **Course Instructors:**

**Dr. Ray Sterling** is a professor emeritus of the Trenchless Technology Center at Louisiana Tech University. From 1977 to 1995, he was the founding director of the Underground Space Center at the University of Minnesota. He is a Past Chairman of the U.S. National Committee on Tunneling Technology. His research interests are in trenchless technology, underground construction, geomechanics and underground space utilization.

**Kevin Bainbridge, A.Sc.T.** has over 16 years of experience in water and wastewater operations, infrastructure planning and construction management. His trenchless technology experience spans over 14 years and covers a broad range of both condition assessment and rehabilitation of buried pipes. Kevin has authored or co-authored over 25 papers and spoken at over 50 industry conferences and seminars on the subjects of infrastructure management, buried infrastructure assessment and trenchless rehabilitation. Kevin is the current Chairman for the GLSLA Chapter of NASTT and is a co-author and trainer of NASTT's Trenchless 101 Seminar.

### **Registration Fees:**

\$350 CAD for members (membership will be verified)

\$450 CAD for non-members

Your registration fee includes:

- Continental breakfast, breaks and lunch
- All course materials
- Comprehensive, consensus-based information
- Expert course instructors who can help answer your questions not outlined in the course agenda

### **Course Agenda:**

8:00 AM	Check-in & Continental Breakfast
8:30 AM	Welcome Remarks & Introductions
8:50 AM	Locating, Inspecting & Condition Assessment
10:15 AM	Break
10:30 AM	Planning & Management/Legal Issues
12:00 PM	Lunch
12:45 PM	Rehabilitation Technologies I
2:00 PM	Financing Issues/Monitoring Rehabilitation Effectiveness
2:45 PM	Break
3:00 PM	Rehabilitation Technologies II
4:30 PM	Q & A Session, Course Evaluations & Wrap-Up
5:00 PM	Course Adjourned

*Agenda is subject to change.*



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**Attendee Information:** *(please print clearly & use one form per registrant)*

Name: \_\_\_\_\_ Job Title: \_\_\_\_\_

Company/Organization: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ Province: \_\_\_\_\_ Postal Code: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

Course Registration Options	Please Check One
2013 Member Rate	<input type="checkbox"/> \$350 CAD
Non-Member Rate	<input type="checkbox"/> \$450 CAD

**Payment Method:**

Cheque: Make cheque payable to "GLSLA" and mail to:

Jennifer Moumblow  
Administrative Assistant  
C/o Robinson Consultants Inc  
911 Golf Links Road, Suite 111  
Ancaster, ON L9K 1H9  
905-304-0080 Ext. 221

**No cancellations after April 12, 2013**

Confirmation of registration will be sent upon receipt of payment.  
Registration will be taken on a first come, first serve basis.  
Cheques received after the course is full will be returned to sender.