

Limited Space Available

Design of Steel and Plastic Pipelines Installed Using a Directional Drill

November 27, 2008

TechTown
340 Hagey Boulevard
Waterloo Ontario, N2L 6R6

Presented by



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Workshop Description.

This one day Horizontal Directional Drilling (HDD) design workshop covers the HDD pipeline design process from planning, drilled path design, product pipe load verification (operational and installation loads), bore construction planning, risk analysis and evaluation, and equipment/tooling selection. ASTM F1962, the Plastic Pipe Institute and PRCI pipe design methods will also be covered. The HDD design tool, "BoreAid" will be used throughout the workshop to demonstrate each course topic.

Workshop Objective.

To provide contractors, engineers, inspectors and others working in the trenchless industry with complete technical information on the design and construction of HDD applications. The focus will be on HDD implementations with steel and plastic pipelines, providing guidelines for HDD projects, example specifications, and information on risk reduction

Target Audience.

Pipeline, utility owners, consulting engineers, superintendents, contractors, inspectors and other technical individuals with the responsibility of designing or inspecting a HDD project.

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Registration Fees.

Early bird registration (Before Nov 10, 2008)
CATT Member: \$400 per person
Non-Member: \$475 per person
Regular (Nov 11 to 25, 2008)
CATT Member: \$500 per person
Non-Member: \$575 per person
Onsite (After Nov 25, 2008)
CATT Member: \$600 per person
Non-Member: \$675 per person

What is Included?

- Attendance to the workshop
- Course Material
- Breakfast and Lunch
- Refreshment during networking breaks

Location.

TechTown
340 Hagey Boulevard
Waterloo Ontario
N2L 6R6
Phone : (519) 746-7416
Fax: (519) 746-4327



CATT Platinum Member



CATT Gold Members



uniongas
A Spectra Energy Company



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Course Outline:

Time	Topic
8:00 a.m.	Registration & Breakfast
8:30 a.m.	Introduction <ul style="list-style-type: none">•Course objectives•HDD process and application
9:00 a.m.	Site Investigation <ul style="list-style-type: none">•Surface Survey•Geotechnical Considerations•Obstacles•Workspace Requirements
9:30 a.m.	Drilled Path Design <ul style="list-style-type: none">•Plastic Pipe (ASTM F-1962)•Steel Pipe (PRCI)
10:00 a.m.	Refreshment Break
10:15 a.m.	Plastic Pipe Specification <ul style="list-style-type: none">•Installation Loads•Installation Deflections•Operational Loads•Operational Deflections
11:00 a.m.	Steel Pipe Specification <ul style="list-style-type: none">•Installation Loads•Installation Deflections•Operational Loads•Operational Deflections
12:00 p.m.	Lunch
1:00 p.m.	Bore Construction and Drill Fluids
2:00 p.m.	Risk Evaluation and QA/QC

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Please complete and fax to CATT at (519) 746-6556 or e-mail to maseviora@uwaterloo.ca

Name/Title _____

Company _____

Address _____

Address _____

City, Province _____

Postal Code _____

Phone _____

Fax _____

E-mail _____

Payment Information

Registration Type

Early (Before Nov. 11, 2008)

Member \$400 Non-Member \$475

Regular (Nov 11 to 25, 2008)

Member \$500 Non-Member \$575

Onsite (After Nov. 25, 2008)

Member \$600 Non-Member 675

Payment Circle one

VISA MASTER CARD AMEX

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