



## CENTRE FOR TRANSPORTATION ENGINEERING & PLANNING

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**C-TEP (Centre for Transportation Engineering & Planning)** is a leader in providing professional development training and applied research in transportation engineering and planning. In this role, C-TEP provides a forum for dialogue and collaboration among stakeholders and resources for the transportation engineering community in Canada. Our website is [www.c-tep.com](http://www.c-tep.com). We are pleased to offer a 1 ½ day short course:

### ***“Erosion and Sediment Control Manual Seminar”***

***(based on the revised Alberta Transportation ESC Manual 2<sup>nd</sup> EDITION – 2011)***

- **February 21 & 22, 2012**      **Edmonton, Alberta**
- **February 28 & 29, 2012**      **Calgary, Alberta**

*(Day 1: 12:30 PM – 4:30 PM)*

*(Day 2: 8:30 AM – 3:30 PM)*

The Erosion and Sediment Control (ESC) Seminar is a 1 ½ day professional development course providing an overview of Alberta Transportation’s new ESC Manual, **the REVISED 2<sup>nd</sup> Edition - 2011**. This course will examine:

- Regulatory Requirements
- Erosion and Sediment Control Management Strategies
- Erosion and Sedimentation Processes
- Site Assessments & Site Erosion Potentials
- Erosion and Sediment Control Methods and Selection of Best Management Practices
- Permanent and Temporary ESC Plans
- Design of Sediment Containment Systems

The ESC Manual seminar is designed for:

- Alberta Transportation
- Other government departments acting as regulators (e.g. DFO, AENV)
- Consulting Engineering Firms
- ESC Material Suppliers
- Construction Contractors

This course is intended for those with some experience in highway road construction projects, in both urban and rural settings. An extensive background in construction or design experience is **not** required. In addition to the engineering and technical community mentioned above, we welcome participation from anyone involved with, or having an interest in erosion and sediment control. *Space is limited to 50 participants per seminar – early registration is recommended.*

*Each attendee will receive a copy of Alberta Transportation's ESC Manual, 2<sup>nd</sup> Edition – rev. 2011, as well as a binder containing the PowerPoint slide presentation and site examples.*

**Instructors/Presenters:**

- **Gerard Kennedy**, P.Eng., Project Director, EBA, A Tetra Tech Company
- **Chris Gräpel**, M.Eng., P.Eng., Principal Specialist, EBA, A Tetra Tech Company
- **Jermaine Smith**, P.Eng., Project Engineer – EBA, A Tetra Tech Company
- **Bryan Ngo**, E.I.T., Project Engineer – EBA, A Tetra Tech Company

**Course Outline**

**Day 1**

- 12:30 PM – 1:00 PM Registration
- 1:00 PM – 2:40 PM Introduction, Regulatory Requirements, ESC Management Strategy
- 2:40 PM – 3:00 PM Break
- 3:00 PM – 4:30 PM Erosion and Sediment Process, Site Assessment, Day 1 Wrap-up

**Day 2**

- 8:30 AM – 10:00 AM Site Potential and Evaluation, Part 1 – Erosion and Sediment Control Methods
- 10:00 AM – 10:20 AM Break
- 10:20 AM – 12:00 PM Part 2 – Erosion and Sediment Control Methods
- 12:00 PM – 1:00 PM Lunch
- 1:00 PM – 2:20 PM Selection of BMPs for ESC, The Permanent ESC Plan
- 2:20 PM – 2:40 PM Break
- 2:40 PM – 3:30 PM The Temporary ESC Plan, Seminar Review, and Wrap-up

**C-TEP "Erosion & Sediment Control Manual"  
Course Registration Form**

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Name: \_\_\_\_\_

Organization: \_\_\_\_\_

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

City/Prov: \_\_\_\_\_ Postal Code: \_\_\_\_\_

Ph: \_\_\_\_\_ Fax: \_\_\_\_\_ Email: \_\_\_\_\_

**COURSE FEES per person (GST Exempt):**

**C-TEP Members: \$599**

**Non Members: \$795**

**\*\* Indicate which session you will be attending \*\***

➤ **February 21 & 22, 2012      Edmonton, Alberta**

Four Points by Sheraton Edmonton South  
7230 Argyll Road, Edmonton, Alberta T6C 4A6

➤ **February 28 & 29, 2012      Calgary, Alberta**

The Glenmore Inn  
2720 Glenmore Trail SE, Calgary, Alberta T2C 2E6

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- **The course fee includes classroom materials, continental breakfast on Day 2, refreshments both days and buffet lunch on Day 2.**
  - **Payment is due and payable with your registration.**
  - **Space is limited; early registration is encouraged.**
  - **The registration deadline is February 14, 2012. (There will be no refunds thereafter, however substitutions are permitted.)**

**Payment via:**     **Credit Card**     **Cheque**    Amount: \$ \_\_\_\_\_

**Visa or MasterCard: (email to [nlittle@c-tep.com](mailto:nlittle@c-tep.com)) Ph. 403-607-4482**

Credit Card Number: \_\_\_\_\_

Print name as it appears on the card: \_\_\_\_\_

Expiry Date: \_\_\_\_\_

Signature: \_\_\_\_\_

**By Cheque: payable to "C-TEP" and remit to:**

**C-TEP  
c/o Stantec, Transportation  
200, 325 25 Street SE  
Calgary, AB T2A 7H8    Attn: Neil Little**