

Day One - Track Two

Wednesday, March 22nd, 2017

3:00 p.m. – 3:30 p.m.

Realities of ESC Planning and Implementation; Perspective from a BC Industrial Case Study

Presenter: Matthew Graham, Amec Foster Wheeler

Biography



Mr. Graham is a Chartered Water and Environmental Manager, Chartered Scientist and Certified Professional in Erosion and Sediment Control. He has been engaged range of flood and water management projects in Canada and the United Kingdom. He specializes in the planning, design and construction of water management and erosion control projects. Mr. Graham has a proven ability to thrive in diverse environments by combining best practices from different industries and adjusting them to local needs.

Abstract

The intent of this presentation is to share experience of the challenges of ESC Planning and Implementation from British Columbia and, in particular, highlight some options of how to ensure that BMPs identified in the ESC Plan are correctly understood and implemented by the Contractor. Key questions this presentation will aim to address include: Do we have the necessary tools and processes in place for successful ESC Plans? Is there a monitoring feedback loop that enables ESC Planners to learn from what's working and what's not working? How can we bring Contractors closer to the ESC planning process? Alternative concepts will be explored and presented for discussion based upon a BC case study.

Learning Objectives

1. To familiarize practitioners of key design elements to consider when preparing an erosion and sediment control plan for a large industrial greenfield site;
2. To reinforce the need to incorporate the principles of adaptive management as field conditions change and utilize mini failures as a source of positive feedback and learning; and
3. To help practitioners consider a range of suitable and constructable BMPs that achieve both source control and sediment control objectives.