



Western Canada  
Chapter

# ISEE Western Canada Chapter

## International Society of Explosives Engineers

Welcome to the Western Canada Chapter's ISEE Blaster Training Certificate Program – Level 1 being held April 5th, 2018 as part of the “Frag & Blast – a Dynamite Experience” our 2018 Annual Technical Conference and AGM.

### Training Schedule

April 5th, 2018

**07:30 – 08:00 Coffee & Snacks**

**08:00 – 09:30 Level 1 – Practical Blasting Fundamentals**

Lesson 1: Blasting Safety; stresses the importance of field operations safety and focuses on the importance of well trained personnel, the proper use of blasting materials and equipment and the correct use of blasting procedures and methods.

Lesson 2: Geological Effects on Blasting; Focuses on rock breakage by explosives and the factors that influence that breakage. Also covered are rock properties and the structures and geological classification of rocks.

**09:30 – 09:45 Coffee Break**

**09:45 – 12:00 Level 1 – Practical Blasting Fundamentals (Continued)**

Lesson 3: Field Controls and Drilling Accuracy; Emphasizes the use of proper field controls and drilling practices together with the basic blast hole loading procedures and information on setting up and detonating a shot.

Lesson 4: Explosive Products and Selection; Covers the types of explosives and agents used in blasting. The lesson also covers explosives properties and selection criteria.

**12:00 – 13:00 Lunch is included**

**13:00 – 14:30 Level 1 – Practical Blasting Fundamentals (Continued)**

Lesson 5: Detonators and Initiation Systems; Provides information on initiation systems, electric and non-electric detonators, detonating cords, primers, boosters and proper methods and techniques for optimal use.

Lesson 6: Blast Design; Promotes proper design considerations and covers basic blasting theory. Other topics included are delays on patterns, timing considerations and design guides.

**14:30 – 14:45 Coffee Break**

**14:45 – 16:30 Level 1 – Practical Blasting Fundamentals (Continued)**

Lesson 7: Ground Vibrations and Airwaves; Stresses the importance of ground vibration and airwave predictions and covers the concepts of propagation, decay, normalization/scaling data, charge weight per delay and reporting anomalous data. The

lesson also stresses effects on structures, human response, regulations and the importance of effective public relations.

Lesson 8: Explosives regulation and Compliance; Covers the scope of explosives regulations including origin, intent and descriptions of the roles of various agencies and organizations. This lesson also addresses how to function under a climate of explosives regulations and covers support and standard setting organizations together with an overview of international regulations.

*The course will include a quiz where participants can earn a Certificate of Training from the parent International Society of Explosives Engineers.*

*Course Instructors are; Ron Elliott, International Blasting Consultants Ltd., Terry Matts, Shotpro Consulting, and Alastair Grogan, Grogan Rock Consulting Ltd.*

**Fee for the training course is \$250.00 per person. You can register for the course through the ISEE Western Canada Chapter web site at [www.iseewest.org](http://www.iseewest.org).**

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**Location:** Kamloops BC, at the Coast Kamloops Hotel and Conference Centre, 1250 Rogers Way, Kamloops, BC, V1S 1N5. Phone: 250.828.6660, Fax: 250.828.6698. Website: [www.coasthotels.com](http://www.coasthotels.com). The Group Number is **GFC6778**.

**Block of rooms will be released March 4th, 2018 so book ASAP!!!**