



14th ANNUAL MDEC CONFERENCE
Sheraton Parkway, Toronto North, Canada

Pre-Conference Field Trip to Sudbury

Toronto Conference Hotel: Sheraton Parkway, 600 Highway 7 East, Richmond Hill, Ontario, L4B 1B2, Tel: (1) 905-882-3108, Fax: (1) 905-882-3100, www.sheratonparkway.com

Sudbury Hotel: Holiday Inn, 1696 Regent Street, Sudbury, Ontario, P3E 3Z8, Tel: 705-522-3000, 1-800-461-4822, ext. 659, Fax: 705-522-8067, www.sudburyholidayinn.com.

Mine visit: Vale Inco Creighton Underground Mine, Regional Road 24, Lively, P3Y 1C3.

Lab visit: CANMET-MMSL Mine Air Quality & Ventilation, 1079 Kelly Lake Road, Sudbury, P3E 5P5

Sunday, October 5 13:45 – 14:00 welcome and gathering, Toronto conference hotel lobby
14:00 – 18:30 travel by bus, Toronto conference hotel to Sudbury hotel

Monday, October 6 06:30 – 07:00 travel by bus, Sudbury hotel to Creighton mine
07:00 – 08:15 introduction, change and cage to underground
08:30 – 12:30 underground mine tour
12:30 – 13:45 cage to surface, lunch (courtesy of Vale Inco)
13:45 – 15:00 travel by bus, visit CANMET-MMSL Laboratory
15:00 – 19:30 travel by bus, laboratory to Toronto conference hotel

Notes: 1. Delegates should not be on medication, physically able to do some walking, and assume all risk of injury, loss or damage.

2. Please send a copy of the completed registration form. The pre-conference field trip requires a minimum of 10 and maximum of 15 registrants by September 8, 2008, and preference will be given to those attending the conference.

3. It is suggested that delegates stay at Sudbury Holiday Inn in order to leave early next morning by bus to the Creighton mine. Delegates are responsible to make their own hotel reservation at the Sudbury Holiday Inn by hotel confirmation cut-off date of September 17, 2008, and must specify the "MDEC Conference" to access negotiated rate (Can \$96-\$112 per room plus applicable taxes).

4. The field trip registration fee includes all above bus transportation, lunch on October 6 will be provided by Vale Inco. All other meals are at delegate's expense.

CVRD Inco Limited – Creighton Mine

Creighton is a base metal nickel/copper mine, located in the southwest corner of the Sudbury basin. The mine, which has been in operation since 1901 is the oldest operating company mine,

The mine is one of the deepest in North America currently developed to 7940 ft (2420 m) below surface with planned development to 10,000 ft (3048 m). The main #9 shaft is used for both service & production using 2 – 14 ton skips and extends to 7000 level. The lower mining area is accessible by ramp access from 7000 level to the bottom. The ramp also serves as the main production system with diesel truck & electric “Kiruna” truck haulage system.

The mine is currently producing 4000 tons per day from mining horizons between the 3700 level to 7810 level. The mining is trackless utilizing a vertical retreat method (VRM). Holes are drilled from one horizon to the next, blasted and the ore is removed from the lower level to the ore handling system. Development is currently at the 7940 level with deepest production from the 7810 level.

The diesel fleet consists of 153 pieces of equipment of which 40 are production units. The mine’s ventilation system is one of the most complex due to the size, depth and age of the mine. The current volume of 1,600,000 cfm (755 m³/s) is heated & cooled using a natural heat exchange area of the old surface pit. The mine also has an area of old square ‘set & rock filled mining’ that is prone to spontaneous combustion which is controlled through isolation and pressure control/monitoring. Mechanical refrigeration will be required to reach the 10,000 ft (3048 m) depth.