

**AGENDA**  
**12<sup>th</sup> ANNUAL BRITISH COLUMBIA MEND ML/ARD WORKSHOP**  
**Simon Fraser University Campus - Harbour Centre**  
**515 West Hastings Street, Downtown Vancouver**

**November 30 and December 1<sup>st</sup>, 2005**

**Registration - Outside Fletcher Challenge Theatre - 7:45 am on both days**

**November 30**

Analytical Methods

*Chairperson* - Bill Price, Natural Resources Canada (NRCan)

8:25 Bill Price (NRCan) - *Opening Remarks*

8:30-9:00 am Anne Thompson and Kathryn Dunne (PetraScience Consultants) and B. Price (NRCan) - *Guidelines for Mineralogical Analysis: Sample Preparation, Analysis and the Interpretation of Results*

9:00-9:30 am Charles Bucknam (Newmont) - *ASTM Standardization of Methods for Environmental Characterization of Metal Bearing Wastes and Ore*

9:30-10:00 am John L. Jambor (Leslie Research and Consulting), J.E. Dutrizac (NRCan), and M. Raudsepp (University of British Columbia (UBC)) - *Neutralization Potentials of some Common and Uncommon Rocks, and some Pitfalls in NP Measurements*

10:00-10:30 am *Health Break*

10:30-11:00 am Shannon Shaw (Mehling Environmental) - *Case Studies and Subsequent Guidelines for the Use of the Static NAG Procedures*

11:00-11:30 am Bruce Mattson (Lorax) - *Two Key Facets to be Aware of in Drainage Chemistry Prediction - Dealing with the Challenges of FeCO<sub>3</sub> and Humidity Cells with Low AP*

11:30-12:00 am Ron Nicholson (EcoMetrix) - *Use of Solubility and Leach Tests in the Prediction of Drainage Chemistry from Weathered Tailings and Waste Rock - Examples from Base Metal, Gold, and Uranium Mines*

12:00-1:15 pm *Lunch (No Host)*

Data Interpretation

*Chairperson* - Kim Bellefontaine (BC Ministry of Energy, Mines and Petroleum Resources)

1:15-1:45 pm Bill Price (NRCan) - *Screaming Criteria: Criteria Used in the Prediction of Drainage Chemistry*

1:45-2:15 pm Stephen Day (SRK) - *Cold Temperature Effects on Geochemical Weathering*

2:15-2:45 pm Kevin Morin and N. Hutt (MDAG) - *Case Studies and Guidelines for Drainage Chemistry Prediction*

2:45-3:15 pm *Health Break*

Case Studies

3:15-3:45 pm David Brown and R. Verburg (Golder), H. Letient and C. Aranda (Antamina) - *Waste Rock Geochemical Characterization at the Antamina Mine*

3:45-4:15 pm Wade Stogran and S. Davidson (Kemess) - *Kemess Mine Metal Leaching and Acid Rock Drainage Prediction Program*

## December 1<sup>st</sup>

### Case Studies (continued)

Chairperson - Ross Gallinger (Placer Dome)

- 8:30-9:00 am David Blowes (University of Waterloo), U. Mayer (UBC) and C. Romano (Golder) - *Combining Field Measurements and Reactive Transport Modelling to Predict ARD*
- 9:00-9:30 am Jeff Martin, G. Wiatzka, J. Scharer and B. Halbert (SENES Consultants) - *Case Studies that Illustrate the Benefits, Limitations and Information Requirements of Geochemical Modeling*
- 9:30-10:00 am Stephen Day (SRK) - *Prediction of Selenium Leaching*
- 10:00-10:30 am *Health Break*
- 10:30-11:00 am Bruno Bussière, M. Benzaazoua, M. Villeneuve and M. Aubertin (Industrial NSERC Polytechnique-UQAT Chair on Environment and Mine Waste Management) - *Prediction of Long Term Acid Generating Potential of Low Sulphur Tailings Using Kinetic Tests*
- 11:00-11:30 am Roger Beckie, L. Smith and K. Wagner (UBC) and F. Guerin (AREVA Mining – Cogema) - *Geochemistry of an Experimental Waste Rock Pile, Cluff Lake, Saskatchewan: Comparison of Lab Scale and Field Scale Weathering Rates*
- 11:30-12:00 am Rens Verburg (Golder) - *Surface Paste Disposal of High-Sulphide Tailings - Monitoring and Prediction of Drainage Chemistry based on Bench-Scale Testing, Field Cells and Pilot Plant Testing*
- 12:00-1:15 pm *Lunch (No Host)*

Chairperson - Gilles Tremblay (MEND Secretariat NRCan)

- 1:15-1:45 pm J. A. Warner, J. Olchoway, T. Kotzer, and J.N. Cutler (Canadian Light Source) - *Quantitative Analysis of Mixtures using XANES Spectroscopy*

### Program Developments

- 1:45-2:00 pm Gilles Tremblay (NRCan) - *An Update on the MEND and NOAMI Programs*
- 2:00-2:15 pm Denis Kemp (INAP) - *An Update on the INAP Program*
- 2:15-2:30 pm Clive Bell (ACMER) - *The Role of ACMER: A Member of the INAP Global Alliance*
- 2:30-3:00 am *Health Break*
- 3:00-3:15 pm Alan Penn (Cree Regional Authority) - *Challenges in the Prediction of Drainage Chemistry from Rock Weathering*
- 3:15-3:30 pm Elizabeth Gardiner (The Mining Association of Canada) - *Assessing Tailings Management Performance at the Mining Association of Canada*
- 3:30-4:00 pm Lars-Åke Lindahl, Swedish Mining Association - *European Standardization of the Characterization of Wastes from the Mining Industry*

*Workshop Presented by the BC Ministry of Energy, Mines and Petroleum Resources,  
Natural Resources Canada and the MEND Program in  
Association with the BC Technical and Research  
Committee on Reclamation and INAP*