

The British Columbia Technical and Research Committee on Reclamation presents

B.C.'s 30th Annual Mine Reclamation Symposium

“Case Studies of Reclamation and Environmental Protection”

June 19 - 22, 2006

Smithers, British Columbia

Organized by the British Columbia Technical and Research Committee on Reclamation (TRCR) in cooperation with: B.C. Ministry of Energy, Mines and Petroleum Resources, B.C. Ministry of Environment, Environmental Assessment Office, Natural Resources Canada, Mining Association of British Columbia, University of British Columbia, and Thompson Rivers University.

Note: All functions take place at the Hudson Bay Lodge

Monday, June 19, 2006

9:35 am - 5:30 pm Tour of Kemess Mine

10:30 am - 4:30 pm Course on “What You Need to Know to Use Soils in Reclamation”

7:30 - 8:30 pm Symposium Registration - Hudson Bay Lodge

7:30 - 10:00 pm Wine & Cheese Reception - Ferguson Room

Tuesday, June 20, 2006

8:00 am Depart Hudson Bay Lodge for tour of Equity Silver Mine. A bag lunch and dinner will be provided. Return approximately 7:30 pm.

Wednesday, June 21, 2006

7:45 am - 10:00 am - Registration

Session Theme: Reclamation

Session Chairs: Todd Wambolt - Gibraltar Mines Limited and Katherine Gizikoff - GGEM Consultants Ltd.

8:30 am Snip Mine: Seven Years After Closure
S.J. Sibbick, AMEC Earth & Environmental Ltd., and R. MacGillivray, Barrick Gold Inc.

9:00 am BC is Booming - Is ARD Looming? - An Overview of ML/ARD Regulatory Approach and Mining Issues in British Columbia
Kim Bellefontaine, BC Ministry of Energy, Mines and Petroleum Resources

9:30 am Site Remediation of Acid Damaged Soils Using Sprayed Biosolids and Lime - A Case Study of the Area near the Trail Lead Zinc Smelter in Trail, BC
Al Mattes, Matt Pommer, Nature Works Remediation Corporation, and W.F.A. Duncan, Teck Cominco Metals Limited

10:00 am COFFEE

- 10:30 am Summary of the 2005 Financial Security Review at the Equity Silver Mine
W.A. Price, Natural Resources Canada; K. Bellefontaine, Ministry of Energy, Mines and Petroleum Resources; and G. Ferris
- 11:00 am Trout Lake Molybdenum Property Reclamation Case Study
Clem Pelletier, Rescan Environmental Services Ltd.
- 11:30 Preparing a High Elevation Tailings Impoundment for Final Closure
Peter A. Witt and Robert A. Hamaguchi, Highland Valley Copper
- 12:00 LUNCH - No Host
- 1:30 pm Cardinal River Operations - Cheviot Haul Road Construction, Reclamation and
Operation
Marc Symbaluk, Elk Valley Coal
- 2:00 pm Mine Reclamation in British Columbia: Accolades and Issues
David Polster, Polster Environmental Services Ltd., and Diane Howe, Ministry of Energy, Mines and Petroleum Resources
- 2:30 pm COFFEE
- Session Theme:** Research and New Developments
Session Chair: Brenda Dixon - Natural Resources Canada
- 3:00 pm Closure of the Colomac Mine - A First Nations-Mine Owner Collaboration
Tony Pearse, Technical Advisor, Tlicho Government
- 3:30 pm Initiatives at Natural Resources Canada to Deal with Orphan and Abandoned Mines
Gilles A. Tremblay and Charlene M. Hogan, Natural Resources Canada
- 4:00 pm A Performance Comparison of Arsenic, Cadmium and Zinc Treatment in a Duplicate
Column Study of an Anaerobic Bioreactor Operated at 4°C and 25°C
Jonathan D.E. Kawaja, Dr. W. Douglas Gould, Lucie Morin, Natural Resources Canada;
Al Mattes, Nature Works Remediation Corp.; and William F.A. Duncan, Teck Cominco Metals Ltd.
- 6:30 pm No Host Reception - Ferguson/Hudson Rooms**
- 7:30 pm Annual Reclamation Awards Banquet**

Thursday, June 22, 2006

- Session Theme:** **Research and New Developments** (cont'd)
Session Chair: Bob Hart - Environmental Assessment Office
- 9:00 am An Overview of the MEND Program - Canada's ARD Research and Technology
Transfer Initiative
Gilles Tremblay and Charlene Hogan, Natural Resources Canada
- 9:30 am Temporal Trends in Reclamation Assessed with Airborne Multispectral Remote Sensing
Leslie Brown, Gary Borstad, Mar Martinez, Randy Kerr, Peter Willis - G.A. Borstad Associates Ltd.; Mark Richards and Peter Witt, Highland Valley Copper

10:00 am COFFEE

Session Theme: Environmental Effects Monitoring

Session Chairs: Barb Riordan - Endako Mine and Ron Robichaud - Huckleberry Mines Ltd.

10:30 am Utilization of Reclamation Habitats by Birds Within the Highland Valley Copper Operating Area, Logan Lake, British Columbia
Richard Howie, Aspen Park Consulting

11:00 am Responses of Juvenile Rainbow Trout and Benthic Invertebrate Communities Exposed to Effluents from a Molybdenum Mine in Central British Columbia
Brendan J. Galloway, Chris F. Fraikin, Zsolt E. Kovats, Richard D. Robinson, Golder Associates Ltd.; and Barb Riordan, Endako Mines

11:30 am Site Specific Risk Assessments of Two Former Copper Concentrate Shed Sites near Topley, B.C.
P.M. McKee, N.P. Morris and R.V. Nicholson, EcoMetrix Incorporated, and Brian Rosendale, Falconbridge Limited

12:00 LUNCH - No Host

1:30 pm Mercury Concentrations in Fish-eating Birds from the Pinchi Lake Area In Relation to Productivity and Reproductive Success
Shari A. Weech, Minnow Environmental Inc., and Tony M. Scheuhammer, Environment Canada

2:00 pm Selenium Source Characterization and Receiving Environment Monitoring at the Kemess South Mine
Scott Davidson, Kemess Mines Ltd., and Peter Chapman, Golder Associates Ltd.

2:30 pm Eskay Creek Mine Environmental Effects Monitoring Program and its Implications for Closure Planning
Michael McGurk, François Landry, Rescan Environmental Services Ltd., and Randy MacGillivray, Barrick Gold Corporation

3:00 pm COFFEE

3:30 pm Baseline Selenium in Sculpins Related to the Northeast Coal Zone
N. Bruce Carmichael, BC Ministry of Environment, and Peter Chapman, Golder Associates Ltd.

4:00 pm A Case Study Approach to Understanding Provincial Aquatic Environmental Effects Monitoring Requirements for Mines
J. Love, G. Tamblyn and I. Sharpe, Ministry of Environment

Closing Remarks

SYMPOSIUM ADJOURNS

NAME TAGS ARE TO BE RECYCLED. Please deposit your name tag in the box provided outside the meeting room.

ACKNOWLEDGEMENTS

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- ❖ Bill Price, 2006 Chair of the British Columbia Technical and Research Committee on Reclamation;
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THANK YOU EVERYONE !!

Past Proceedings Available

A CD containing 26 years of Symposium Proceedings (1977 - 2002) is on sale in Smithers for only \$100.00. The CD contains over 585 technical papers, and features complete text searching and keyword indexing.

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