

Alpha Coal West Inc
 AngloGold Ashanti (Colorado) Corp.
 Anglo American Metallurgical Coal
 ArcelorMittal Mines Canada
 Barrick Gold Corporation
 BHP Billiton Diamonds Inc.
 BHP BMA Coal Australia
 Canadian Natural Resources Ltd.
 Cliffs Natural Resources
 De Beers Canada Inc.
 Freeport McMoRan Copper & Gold
 Goldcorp Canada Ltd.
 Imperial Oil Ltd.
 Iron Ore Co. of Canada
 Kinross Gold Corporation
 KMC Mining Corporation
 Ledcor CMI
 Mitsubishi Development Pty Ltd



SMART Surface Mining Association
 For Research & Technology

SMART Meeting Agenda

Thursday October 17th, 2013

Our Host is Syncrude

Newmont Mining Corporation
 North American Construction
 NovaGold Resources Inc.
 Peabody Energy Corporation
 Prairie Mines & Royalty Ltd.
 Queens University
 KGHM International
 Shell Canada Ltd.
 Suncor Energy
 Syncrude Canada Ltd.
 Teck Resources Limited
 Thiess Pty Ltd
 Total E&P Canada Ltd
 TransAlta Corporation
 University of Alberta
 University of Arizona
 University of British Columbia
 URS Corporation, Washington Div.
 Walter Energy

Syncrude Canada Ltd Research Facilities, 9421 – 17 Avenue, Edmonton, (Alberta Room) 780-970-6800

8:30 - 10 min Safety Moment

8:40 - 5 min Agenda Review

8:45 - 5 min Action Log Review (attached)

- Action items from previous meeting are incorporated into agenda topics.
- Action item: Re: University's obtaining information from SMART Benchmarking project.

8:50 - 25 min Company Profile – Exxon (IOL) Kearl Project (Steve Thornton)

- The latest in Oil Sand technology.

9:15 - 30 min Volumetric Scanning (Cullen Casey, Walz Scale)

- Understanding and Learning about the work of others in the industry.

9:45 - 30 min Earthzyme – Road building material (Cypher Env. Ltd., Shawn James, Todd Burns, Terry Barber)

- Learning about new technology applications.

10:15 - 20 min Break

10:35 - 30 min GE Mining Collision Avoidance System (CAS) – (Craig Hoffman, Gordon Crane, John Slavin, GE Industrea)

- Learning about applications of new technology.

11:05 - 35 min Large Tire / Rim safety / Tire Faults (Tim Joseph, U of A)

- Learning about best practice and safe practice

11:40 - 20 min 2013 SMART Learning Seminar, (Tim Joseph)

- Update on 2013 seminar - water & mining “operational issues for sustainable mining”
- Next seminar planned in 2014.

12:00 - 30 min Lunch, Time & Location for Next SMART Meeting

12:30 - 15 min SMART Benchmarking (Tom Demorest)

- Learning about the work of the SMART Benchmarking Project

12:45 - 20 min CIM Mining Standards and Guidelines Committee (MSGC) (Heather Ednie, Paul Graham, Tim Skinner)

- Learning about new strategic developments in the CIM.

1:05 - 120 min Surface Mining Research Priorities Workshop with CMIC (Gord Winkel, Carl Weatherell)

3:05 - 15 min Truck Shovel User Group update (Steve Thornton)

- Meeting Update

3:20 - 15 min Large Tire User Group update (Andrea Bauer)

- Meeting Update

3:35 - 15 min EMESRT update (Mal Carroll)

- Meeting Update

3:50 - 10 min Round Table

4:00 - Adjourn for the day

ACTION LOG - May 5, 2013

| DATE OF ACTION | | NAME | DESCRIPTION | DATE REQ'D |
|----------------|-------------|--------------|---|---------------------------|
| Oct. 14, 2011 | Action Item | Zoli Lukas | Prepare a template for Tire Information Sharing to support U of A Tire Project. | Open |
| Oct. 14, 2011 | Action Item | Tim Joseph | Draft a recommendation on behalf of SMART related to tire service work. | Next meeting agenda topic |
| May 6, 2012 | Action Item | Mike Lipsett | Continue to work a recommendation on what R&D could be undertaken with regard to the Rate of Heat & Pressure Build Up in Tire / Rim assemblies. Follow up with Caterpillar. | Open |
| May 5, 2013 | Action Item | Tom Demorest | Can University's obtain access to the SMART Benchmarking data. | Open |

Company Presentations Completed -

| | |
|---------------------------|---|
| BHP Ekati, | Scott Williams, Oct. 21, 1999 |
| IOC, | Rob Didur, March 7, 2000 |
| Albian Sands, | John Clark, March 7, 2000 |
| Elkview Coal, | Bill Fleming, June 21, 2000 |
| Diavik Diamond, | Dave Passfield, Nov. 2, 2000 |
| TransAlta, | Paul Clarke, April 29, 2001 |
| Suncor | Steve Little, November 2, 2001 |
| Klemke Mining | Dan Klemke, April 28, 2002 |
| Fording | Gene Wusaty, November 8, 2002 |
| NACG | Bill Koehn, May 4, 2003 |
| Washington Group | Rick Lambert, November 7, 2003 |
| Barrick | Larry Radford May 9 th 2004 |
| Phelps-Dodge | Mark Bartlett September 16 th , 2004 |
| Elk Valley Coal | Bill Fleming January 20, 2005 |
| Syncrude | Gord Winkel, April 24, 2005 |
| Luscar | Jim Chalmers, Sept. 23, 2005 |
| CNRL | Allan Boddy, Jan. 13, 2006 |
| Quebec Cartier | Jean Fortin, May 14, 2006 |
| Ledcor CMI | Joe Lambert Sept. 13, 2006 |
| U of Arizona | Dr. Sean D. Dessureault Sept 13, 2006 |
| Queen's | Dr. Jonathan Peck, Sept. 13, 2006 |
| Mitsubishi | Scott Todd, April 29, 2007 |
| Thiess Pty Ltd | Ross Gibbons, April 29, 2007 |
| University of Alberta | Tim Joseph, April 29 2007 |
| University of BC | Rob Hall, April 29, 2007 |
| Cleveland -Cliffs | Don Morrison, Nov. 1, 2007 |
| Kinross Fort Knox | Dan Snodgrass, Nov. 1, 2007 |
| Rio Tinto | Lloyd Townley, Nov. 6, 2008. |
| Kearl Lake | Gord Winkel, Nov. 6, 2008. |
| BHP BMA Coal | Andre Giguere, Nov. 6, 2008. |
| Teck Resources Ltd | Ross Pritchard May 10th, 2009 |
| Western Coal Corp. | Craig Dirk Nov. 5, 2009 |
| Total E & P | Rolfe Timm Nov. 6, 2009 |
| AngloGold's | Vivien Hui May 9th, 2010 |
| ArcelorMittal Mines | Michel Privé Nov. 18, 2010 |
| Shell Canada Energy | Paul Graham May. 22, 2011 |
| Newmont Mining Corp. | Larry Clark Oct 14, 2011 |
| KMC Mining Corp. | Zoli Lukacs May 6th, 2012 |
| Suncor | Chris Langmead May 5, 2013 |
| Exxon (IOL) Kearl Project | Steve Thornton Oct. 17, 2013 |