

**Society of Mining, Metallurgy, and Exploration, Inc.**

Environmental Division  
Executive Committee Meeting  
Seattle, Washington  
Sheraton Seattle Downtown – Meeting Room Cedar A  
February 19, 2012  
9:00 a.m. – 12:00 noon

Meeting Minutes

**Opening:**

The annual meeting of the Environmental Division Executive Committee, held as part of the 2012 SME annual meeting, was called to order at 9:10 a.m. PST on February 19, 2012 in Seattle, Washington by Casey McKeon, Environmental Division Chair. The following is a list of meeting attendees:

Scott Benowitz	Patrick Gorman	Mark Stock
Charles Bucknam	William Lipps	Patrick Williamson
Linda Figueroa	Casey McKeon	
Liane George	Bob Reisinger	

**A. Approval of Agenda**

The agenda was unanimously approved as distributed.

**B. Approval of Prior Meeting Minutes**

Draft minutes distributed to and reviewed by the Environmental Division for several 2011 monthly conference calls and the January 2012 monthly conference call needed the formal approval of the Executive Committee. Bob Reisinger made a motion for Executive Committee approval of 2011 monthly meeting minutes lacking such approval as well as the January 2012 meeting minutes. Patrick Williamson seconded. The motion was passed by the Executive Committee (Casey McKeon, Patrick Williamson and Bob Reisinger).

**C. Open Issues**

Scholarship and Awards

- Awards Status
  - Four students were awarded scholarships. Kimberly Ng, Maureen Phifer, and Matthew McHale received the Environmental Division Scholarship. Angela Moyer received the Veolia Scholarship. Scholarships will be presented at the Environmental Division Luncheon on Tuesday, February 21. Chris Howell of Veolia will present the Veolia scholarship. The Environmental Division received 18 scholarship applications.

- Silent Auction
  - The silent auction will take place in the Exhibit Hall on Tuesday, February 21 from 11 a.m. to 4 p.m.
  - Mark Stock noted that donations have been great for the Seattle meeting.
- Benefactor Award
  - Newmont will receive the Benefactor Award. Mary Korpi, Director of External Affairs for Newmont, will accept the award at the Environmental Division Luncheon.
  - The Executive Committee recognized Mark Stock for donating the plaque for the Benefactor Award.
  - Patrick Williamson made a motion that the Environmental Division pay for the plaque in the future. Casey McKeon seconded. The motion was passed by the Executive Committee (Casey McKeon, Patrick Williamson and Bob Reisinger).

#### Committees

- On-Line Services Committee. There is no update for this committee.
- Tech On-Line Committee. This committee is covered under the eLearning Committee below (under new business below).
- P.E. Committee. Liane George represents the Environmental Division on this committee.
- International Committee. Charles Bucknam represents the Environmental Division on this committee.

#### Mining Engineering Articles

- The Executive Committee developed a list of planned upcoming articles as follows:
  - April – student scholarships/silent auction;
  - May – outstanding papers/presentations;
  - August/September issue – Charles Bucknam’s paper on developing a quantitation estimate for free cyanide in reverse osmosis effluent;
  - Spring issue – upcoming ICARD conference. Charles Bucknam will talk to Terry Chatwin about writing an article on ICARD.

#### 2012 Annual Meeting

- An Environmental Division Subcommittee (Casey McKeon, Patrick Williamson, Virginia McLemore, Liane George, and Bob Reisinger) recommended four papers as outstanding papers as follows:

- *The Study of Geotechnical Parameters for Paste Technologies – A General Review.* Atac Bascetin, Serkan Tuylu, Zeynep Sertabipoglu, Deniz Adiguzel, and Irfan Serkan Binen (Istanbul University, Turkey)
- *Development of Inter-Laboratory Quantitation Estimate for Free Cyanide in Metallurgical Processing Cyanide Detoxified Reverse Osmosis Effluent.* Charles Bucknam, Newmont Mining, Englewood, Colorado
- *The Spillway Dilemma for Mine Tailings Closures.* Tobey Clarkin, URS, Seattle, Washington; Rod Denherder, URS, Seattle, Washington; Cecil Urlich, URS, Seattle, Washington; Anand Prakash, URS, Chicago, Illinois; and Jim Swendseid, Teck Alaska Inc., Anchorage, Alaska
- *Comparing EIA and ESHIA for Evaluating Mining Projects.* Ross Mitchell, Environmental Resources Management, Calgary, Alberta, Canada.

Bob Reisinger made a motion to approve the four papers as outstanding papers. Casey McKeon seconded. The motion was passed by the Executive Committee (Casey McKeon, Patrick Williamson and Bob Reisinger).

- The Environmental Program in Seattle consists of 9 sessions. A sign-up sheet was passed around for those willing to serve as judges.

#### 2013 Annual Meeting

- Alicia Duex is the chair for the 2013 SME Annual Meeting in Denver, Colorado. A program committee meeting for the 2013 meeting will be held on Wednesday, February 22, 2012 at 7:30 a.m. in Room 204 of the Washington State Convention Center. Two potential field trips were identified: the Edgar Mine and Climax Mine.

#### 2014 Annual Meeting

- Patrick Gorman is the chair for the 2014 SME Annual Meeting in Salt Lake City, Utah. A program committee meeting for the 2014 meeting will be held on Wednesday, February 22, 2012 at 9:00 a.m. in Room 204 of the Washington State Convention Center.

#### Special Projects

- GARD Guide. The executive summary has been translated into Spanish. The Guide will be rolled out as part of the upcoming ICARD conference.
- EMS Guideline. The EMS Guideline may be rolled out on eLearning.
- ADTI. *Introduction, Mitigation, and Pit Lakes* documents have been completed and published. The *Prediction* document is in review. The *Sampling and Monitoring* document is in delay.
- ASTM CD Endorsement. A CD was completed several months ago. This item needs to be removed from future agendas.

## Division Financials

- As of September 30, 2011, the Environmental Division Fund has a balance of \$7,725.82.
- The Environmental Division Scholarship Fund has a balance of \$73,098.89 (as of September 30, 2011; doesn't consider 2012 scholarship award disbursements of \$6,000 or proceeds from the 2012 silent auction). The Executive Committee discussed possible uses of the fund in addition to the Environmental Division Student Scholarship. Possible uses mentioned included sponsoring students to attend the annual meeting and sponsoring local section meetings. **Possible additional uses of Environmental Division Scholarship Fund monies will be discussed in more detail at a future meeting.**

## Other

- Environmental Division Handbook Updates. Bob Reisinger and Casey McKeon have provided updates.
- Blue Book Updates. There is no update to this item.

### **D. New Business**

Several representatives of various committees and SME leadership stopped by the meeting to discuss activities as follows:

#### eLearning Committee

- Lee Saperstein (Chair) and Lorrie Underwood (SME) encouraged everyone to use eLearning. They provided a handout that discussed eLearning Program status, 2012 goals and how to help with eLearning.
- Four eLearning products have been developed for SME. The price range is between \$20 and \$700 with a goal of being cost neutral.
- The eLearning Committee wants to grow the list of available resources.
- Charles Bucknam is the Environmental Division representative on the eLearning Committee.

#### SME Community

- Tessa Baxter provided an update on SME Community. Heather Graving is the SME Community contact.
- SME Community has had a slow start.
- SME Community has proven to be useful for document storage (e.g., meeting minutes).

### Ad Hoc Committee on International Sustainability in Mining

- Nikhil Trivedi provided information on the restructuring of a committee on sustainability. Nikhil is leading the effort.
- Several people are involved on this committee including Deborah Shields, Carol Russell, and Dirk van Zyl. The committee includes and encourages international involvement.
- The committee will meet on Wednesday, February 22, 2012 at 10:00 a.m. in Room 205 of the Washington State Convention Center.

### SME Leadership

- John Murphy (2011 President), Drew Meyer (2012 President), Jessica Elzea Kogel (2013 President), and David Kanagy (SME Executive Director) stopped by the meeting.
- John stated that by 2029 60% of the mining workforce will have rolled over. John has established an ad hoc committee to look at getting more SME involvement from operators.
- Drew mentioned an upcoming safety and reliability conference in Minneapolis, Minnesota from November 13 to 15, 2012. The conference is a cooperative venture with the Canadian Institute of Mining. Drew indicated that 17% of SME members are over 70 years old.
- Jessica is challenging each of the divisions to add young members. She emphasized the need for a sustainable SME through such things as mentoring, which is how she became a member.
- David mentioned the Annual Meeting of Members at 4 p.m. today in Room Willow A/B of the Sheraton Seattle Hotel.
- David presented statistics for SME as follows:
  - SME surpassed 14, 000 members in December, 2011 representing an overall increase of 7.1% for the calendar year. International membership increased by 11% during 2011.
  - For the Seattle meeting, registration is ahead of last year's meeting held in Denver, Colorado. The Seattle meeting is on a pace of 5,700 to 5,800 registrants.
  - Electronic products have grown with the formation of *OneMine.Org*. SME will receive 12,800 papers from NIOSH. Thirty two (32) eLearning books are available on line.
  - SME has 10,000 followers on *Linked-In* and 6,000 to 7,000 members on *Facebook*.

**E. Agenda for Next Meeting**

A specific agenda for the next meeting after the 2012 annual meeting will be provided prior to the meeting. A discussion item for that meeting will include potential additional uses of scholarship funds beyond student monetary scholarships.

**Adjournment:**

Meeting was adjourned at 11:55 a.m. PST by Casey McKeon. The next general meeting will be at 8:00 a.m. on February 20, 2012 in Seattle, Washington.

Minutes submitted by: Bob Reisinger, 2011 Environmental Division Secretary

Approved by: Environmental Division Executive Committee