

## **Committee on Chemical Safety**

**August 16, 2008**

### **236th ACS National Meeting & Exposition Philadelphia, PA**

Attending: Russ Phifer, Pat Schumann, Wayne Wolsey, BettyAnn Howson, George Lechner, Bob Hill, David Crumrine, Larry Doemeny, Neal Langerman, David Katz, Pat Redden, Marta Gmurczyk, Joe Antonucci, Robert Gates, Mark Cesa, Lawrence Barton, Lester Byrum, Harry Elston, Al Hazari, Erik Talley, Ken Fivizzani, Todd Nelson, Jack Breazeale, Scott Goode, John Palmer (WCC), Doug Walters

Guests: Kristina Meson (EPA – Coordinator for SC3) and Linda Stroud

Approval of Minutes

Minutes of Sunday, April 6, 2008, Combined Open Meeting and Executive Session  
Motion to approve as received made by Pat Redden, seconded David Crumrine, passes.

#### **Chair's Report — Mr. Russ Phifer**

- Petition on Society Affiliate Dues – Committee takes NO POSITION
- Received a request for comments on ChlorTanker containment system proposal (FRA 2006 25169). Rail tank cars used to transport of toxic gases (inhalation hazards) needed to be safer by 2008. Neal gives brief explanation of the proposal and he thinks it is workable with reasonable cost. Committee will not take a position on proposal since majority of members are unfamiliar with the proposal and the issues regarding rail tank cars.
- ACS Strategic Plan - Russ' written response to ACS on page 25 of agenda book; ACS reply is on p. 39.
- Completed the list of chemicals recommended for use in secondary schools and posted on the web page.

#### **Staff Liaison's Report — Dr. Marta Gmurczyk**

- Sales report on page 30 of the agenda book: SACL is the best seller. Will need to reprint SACL again; half of most recent reprints have already been sold.
- The 3<sup>rd</sup> edition of Chemical Safety for Small Businesses should be printed by end of year.
- Marta took the following interim actions on behalf of the Committee:
  - Participated in bi-weekly conference calls with EPA regarding the School Chemical Cleanout Campaign (SC3)
  - Prepared flyer for symposium on Helping Your Local School District effectively Manage Chemical Risk and disposal; prepared announcement about the symposium for Journal of Chemical Education.

- Assisted in the preparation of an article for the Journal of Chemical Education on SC3 program.
- Coordinated the donation of CCS publications to various educational groups.

## **Reports of the Subcommittees and Task Forces**

### **Partnerships — Dr. Ken Fivizzani**

- Update on Process Safety Alliance
- CCA upcoming themes
- CHAS will present workshops at the SERMAC Regional meeting. Also there will be a CCS table set up.
- **Revision of Chemical Safety for Small Businesses** – new cover design, in final review, hope to have to press by end of 2008 or early 2009

### **Resources — Dr. David Crumrine**

- Marta promoted the new eye protection program at BCCE.
- Eye Protection presentation by Pat Redden, with final revisions, will be posted as a MP4 file on CCS webpage and on You Tube. The program will not be put on DVD at this time but a limited number of CDs will be available. Translation into Spanish and Arabic in future are possibilities.
- The first version of the General Personal Protective Equipment presentation, prepared by Pat Redden, was viewed and discussed by the Subcommittee.
- The use of cell phones and IPODs in labs was discussed.
- The subcommittee is going to review Starting with Safety CD, provided by Marta, to see what other updates are needed.
- The subcommittee briefly discussed the Labs21 program. No one on the subcommittee is familiar with the program.

### **Safe Practices — Dr. Harry J. Elston**

- SC3 Secondary School recommendations complete; special acknowledgement for the contributions of Bob Hill and George Lechner for their work on the introduction of the document.
- Future projects: Prepare a guidance document for sanitizing goggles with broad applicability; requesting recommendations from NIOSH and the manufacturers. Erik suggests the subcommittee also contact American Biological Safety Association.
- Reference material for pre-service (i.e. student) teachers; SACL is not suited to their backgrounds; review other literature from other groups such as the National Science Teacher Association to see what is available.
- Initial discussion of other projects regarding chemical storage in secondary schools.

### **Task Force Laboratory Environment, Health & Safety — Mr. Erik Talley**

- Linda Stroud has been appointed to the Task Force
- The Task Force met in DC in June; reviewed Manual and met with EPA to discuss status of Lab Rule (pending). EPA probably will attempt to fast track this rule. Decided to proceed with update of the Manual and adjust if the rule passes. Hospitals likely to be included in the rule.
- Changed the name of the Task Force to Laboratory Chemical and Waste Management Task Force

### **Web Site Update — Mr. Erik Talley**

- The Web Report is on p. 34 of the agenda book
- Exploring moving the site into the ACS portal; if done then changes will have to be made by ACS staff liaison so may lose some control.
- Will add an operations section to website; password protected area available only to Committee members.
- Reducing Risk document added to website 4 weeks ago
- Web Stats: Jay Young clips, SACL are most popular.

### **Reports of CCS Liaisons**

#### **National Registry of Certified Chemists (NRCC) — Russ Phifer**

- CHO certification program continues
- 8 people took the certification exam yesterday
- Agencies and business like the certification.
- Currently there are about 200 CCHO.

#### **American Industrial Hygiene Association (AIHA) — Dr. Doug Walters**

- Meeting in Minneapolis attended; next meeting in Toronto
- Topic of concern is Nanotechnology; group wants to work with CHAS and CCS;
- ANSI Z9.5 Lab Ventilation Standard is under revision; monitoring method for hoods included. Steve Crooks is the new Chair of subcommittee on this topic.
- AIHA info on CHAS webinar
- Academy of Certified Hazardous Materials Managers (ACHMM) would like to establish a relationship with CCS; >3500 CHMM

#### **ACS Division of Chemical Health and Safety - Dr. Robert Hill**

- First Division webinar will be held on Sept 23, 2008; the topic is ***Chemical Hoods in the 21<sup>st</sup> Century***
- CHAS/SCB wine reception on Monday, August 18, 2008 at the Atwater Kent Museum. Hosted by Russ Phifer.
- Need more contributions to the Journal of Chemical Health & Safety

- Neal regarding JCHAS submissions – he has heard many safety stories from CCS members that are good material for the Journal. Harry agrees and encourages submittal of these. Editorial staff of the JCHAS will protect the innocent.
- It was suggested that social information (pictures) be added to Journal to show fellowship of group.
- Awards symposium Monday 18, 2008. See written report for list of recipients.
- New officers elected. See written report.

#### ACS International Activities Committee (IAC) — Dr. Douglas Walters

- Sarah Cho from the International Affairs Committee visited CHAS meeting to discuss working together. Doug is enjoying his association with the IAC; free CCS resources (publications) would have a great impact as expense a real concern for developing countries.
- Does SACL need to be translated to other languages?
- Marta would like capture what groups are using these resources for ACS metrics. Please send Marta information about the groups using (informal is okay). Use tracking from website.

#### ACS Local Section Activities Committee — Dr. Carol Jean Bruner (not attending)

Directly related SC3; communicate CCS participation the program to the Local Sections.

#### Committee on Community Activities — Dr. Wayne Wolsey

- 2008 NCW Theme is ***Having a Ball with Chemistry***
- 2009 Chemists Celebrate Earth Day theme is ***Air - The Sky is the Limit***
- NCW 2009 Theme is ***Chemistry It's Elemental***
- 2010 NCW Theme is ***Chemistry Behind the Scenes*** (TV, movies)
- CCS publications can be added to CCA mailings for these programs.

#### Committee on Chemists with Disabilities — Dr. Bob Gates; no report

#### Women Chemists Committee — Dr. John Palmer

- WCC Roadshows – mentoring program may be opportunities for joint programs
- ACS National Awards – seeking nominations; potential nominees for teacher focused awards could come from SC3 program.

#### Committee on Science

Mark Cesa has volunteered to be the liaison from this committee to CCS.

## Old Business

**Update on a [Schools Chemical Cleanout Campaign \(SC3\)](#)** -Kristina (Krysia) Meson, from EPA/Office of Solid Waste/HWMMD

Ms. Meson provides an overview of the SC3 program. She stated thought Saturday's symposium was a success.

The goals of program and CCS are well matched. The primary goal is remove old chemicals from schools and put in place best management practices for future chemical use; outreach (build awareness); also includes not just science classrooms but operations and maintenance programs; use and disposal. The program began in 2007. Other partners include ACC, SOCMA, and Cement Kiln Recycling Association. The webpage is [www.epa.gov/SC3](http://www.epa.gov/SC3).

Future goals include building a network so that responsible chemical management is available in a wide spread way; updating the workbook to include how to partner and greening your curriculum. Video for decision makers features 2 case studies. She distributed packets/CD of materials (some of these are on line). Need to promote the program at appropriate meetings (Science Teacher Association for example). Develop a give away with responsible chemical management tips – would like contributions from CCS.

**Alliance with OSHA on Chemical Laboratory Process Safety** - Dr. Neal R. Langerman

- Outreach program from OSHA with primary focus 1910.119 incorporating former Chemical Reactivity Alliance; audit and management review checklists are on the Process Chemical Safety website; a work group has been formed to see how to integrate DHS chemical safety rule into process safety program.
- Combustible dust continues to be an issue
- OSHA wants to capture the Chemical Reactivity Workshop on DVD format. Neal may ask CCS to support this effort funding and editing. Currently no funds available. Should be done CCPS (Center on Chemical Process Safety)
- Neal has written a paper on Process Safety applied at the lab level to be published in JCHAS next year.

## New Business

CPT 2 page supplement needs review. Are references current? Are there new ones to add? Send comments to Marta. Ken volunteers to review. Appears to need updating. Potential for CCS like to submit article to the CPT newsletter.

Discuss if CCS involvement in [Labs21®](#) , a voluntary partnership program dedicated to improving the environmental performance of U.S. laboratories. The Committee will table a decision about involvement until we have more information on program. A member of CHAS, Debbie Decker, will attend the conference being held later this year and can be a resource.

### New ACS Strategic Plan for 2008 and Beyond —

Conference call will be set up to work on response to ACS strategic plan; a response needed by September 15, 2008. Comments received previously will be incorporated.

### CCS Strategic Planning Process

- Is Mission Statement current?
- Proposed changes
  - Delete “to the chemical professional in”
  - Change last sentence to “to ACS **members** on matters related

David moves to make above changes to the mission statement, seconded by Pat Redden. Motion is approved.

Goals: Send suggestions to Russ; he will circulate to the entire committee prior to submittal. Due on Sept 15<sup>th</sup>.

### CCS Operational Manual

Comments from last meeting (on p. 21) have not been included. It was difficult to obtain the ACS staff Directory. Russ will distribute.

Update the name of the task force; correct list of Past Chairs.

Alphabetically listing of acronyms suggested by AI; Russ will consider.

Travel reimbursement policy - Marta will send out expense voucher to those who request it; CCS may reimburse up to \$250. Jack reports that the Committee on Committees (ConC) is investigating travel expenses reimbursement.

Show of appreciation for Russ and Marta for their many contributions this year.

Meeting was adjourned at 11:30 a.m.