



Highlights
HSubC Teleconference 10-03
Wednesday, June 16, 2010; 2:00 p.m. EDT

Participants

Maureen Alai, LLNL/NARAC	Jim Powers, NA-41
Bud Bucci, Hanford	Phil Pfeiffer, INL
Dorothy Cohen, ORISE	Bill Purtymun, LANL
Dan Conners, Hanford	Chuck Rives, Pantex
Diana de la Rosa, SNL	Mark Robinson, Alpha-TRAC
Dave Freshwater, NA-41	Greg Roddahl, Pantex
Jonathan Gaff, ANL	Brad Salmonson, INL
Jim Jamison, SAIC	Susan Vosburg, SNL
Thad Kedzierski, LLNL	Kerry Ward, INL
Carl Mazzola, Shaw Environmental	Gary Winner, ANL
Mike O'Keefe, NTS	Michele Wolfgram, ORNL
Rich Ohlsen, BNL	Alan Woodward, LANL
Shana Peterson, Y-12	Jamie Wright, Y-12

I. Roll Call

Michele Wolfgram conducted a roll call and noted that 26 individuals from 10 DOE/NNSA locations involved with the HSubC were present.

II. Welcome and Introductions

Michele welcomed everyone to the conference call and each person briefly introduced her/himself.

III. Annual HSubC Meeting

Michele reviewed the May 3, HSubC meeting and indicated that 43 professionals attended. The presentations are posted on the EMI SIG website.

IV. Old Business

AI 09-01 Dilute gas mixtures screening effects: At an earlier teleconference, Wayne Davis sent a draft Frequently Asked Questions (FAQ) regarding dilute gas mixtures screening effects to Jim Powers for NA-41 review. Wayne was not available on this teleconference to provide an update, but Jim Powers indicated this is still under NA-41 review. **CONTINUING ACTIVITY**

AI 09-02 Water treatment chemicals: At an earlier teleconference, Gerry Gibeault developed a draft paper on emergency response associated with releases of water treatment chemicals which was refocused relative to response elements (i.e., what the program is looking for and why it should be classified as an Operational emergency (OE) without need for



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classification). Gerry was not available on this teleconference to provide an update.

CONTINUING ACTIVITY

V. New Business

AI 10-01 **Determining dispersible amounts using vapor pressures:** Chuck Rives has developed a spreadsheet for an EPHA screening technique for potential liquid hazards using vapor pressure criteria. EPA has a document that states that 10 mm Hg is the usual breakpoint for whether a liquid has sufficient vapor pressure to provide a gaseous release of sufficient magnitude to be a hazard. The spreadsheet took all PAC/TEEL Revision 25 liquids, and using EPA Offsite Consequence Assessment guidance, ran them with a straight-line Gaussian model. The preliminary results showed that the screening amount was approximately 5 gallons for liquids with a 10 mm vapor pressure and a 55-gallon drum for liquids with a 1 mm Hg vapor pressure. Chuck asked for a peer review of the spreadsheet and will concurrently develop a White Paper to describe the purpose and results of this analysis. **CONTINUING ACTIVITY**

VI. Round Robin

Site	Representative	Discussion
ANL	Winner	Finishing up EPHAs and moving to a new EOC.
BNL	Ohlsen	No report
Hanford	Connors	Reviewing DOE O 151.1C compliance and slimming down programs due to facility mission changes. Revising EPHAs and EALs.
INL	Ward	Concluded DOE-ID self-assessment. There were no findings and several improvement items.
LANL	Purtyman	HS-63 completed its visit with few program corrections noted. Updating EALs. Performing many responder briefings.
LBNL	None	No report.
LLNL	Kedzierski	Finishing up last four EPHAs. Looking at an electronic EAL database developed by John Riley to incorporate into emergency duty officer package.
NTS	O'Keeffe	Nothing new to report.
ORNL	Wolfgram	Completed first new comprehensive EPHA with minimum comments from DOE reviewers. Line organizations estimate that it will take 15 weeks per EPHA. Plan to have Emergency Management Department revise all of them.
Pantex	Rives	Preparing for an HS-63 evaluation. Will be supporting a State of Texas emergency exercise using a Pantex hazard-driven scenario. A March 2011 course on nuclear safety and material hazards will be offered.



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Site	Representative	Discussion
SNL	Vosburg	Used Web EOC for the first time in last week's exercise. Need guidance to determine large spill versus small spill for incident commanders.
SRS	Davis	No report.
Y-12	Petersen	Updating EPHAs and EALs. Completed first half of Full Participation Exercise today.

VII. Adjournment

The teleconference was adjourned at **2:29 p.m. EDT**, and Michele thanked everyone for their participation. The next HSubC teleconference is scheduled for **Wednesday, August 18, 2010, 2:00 p.m. EDT**.

VIII. HSubC Action Item Status

Both AIs remain open, and one new AI was opened for a total of three.

The color-coding system used in the teleconference highlights is as follows:

- Existing AIs that are not closed are green.
- New AIs are yellow.
- AIs to be closed are blue.