



Highlights
HSubC Teleconference 10-06
Wednesday, December 15, 2010; 2:00 p.m. EST

Participants

Maureen Alai, LLNL NARAC	Dave McGrath, SNL
Denny Armstrong, URS SMS SRS	Phil Pfeiffer, INL
Stuart Bayne, DOE Oak Ridge	Bill Purtymun, LANL
Dorothy Cohen, ORISE	Meredith Riegler, AlphaTRAC
Wayne Davis, URS SMS SRS	Chuck Rives, Pantex
Dave Freshwater, NA-41	Greg Roddahl, Pantex
Jonathan Gaff, ANL	Brad Salmonson, INL
Steve Homann, LLNL	Kerry Ward, INL
Aprill Jivelekas, Ascendent Engineering Hanford	Michele Wolfgram, ORNL
Carl Mazzola, Shaw Environmental	Ken Young, LLNL

Roll Call and Welcome

Ken Young, HSubC Chairman, welcomed everyone to the conference call and conducted a roll call. Ken noted that 20 individuals from 10 DOE/NNSA locations involved with the HSubC were present.

Old Business

AI 09-01 – Diluted gas mixtures screening effects (Continuing activity)

A draft Frequently Asked Questions (FAQ) regarding diluted gas mixtures screening effects was sent to Jim Powers for NA-41 review, and comments are being incorporated. NA-41 advised that this should be a position paper since it did not involve an amplification of policy. Wayne indicated that he will complete the position paper by 12/31/10, and it will then be posted on the website.

AI 10-01 – Determining dispersible amounts using vapor pressures (Continuing activity)

Chuck Rives had developed an EPHA screening technique spreadsheet for potential liquid hazards using vapor pressure criteria. 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 five gallons for liquids with a 10 mm vapor pressure and a 55-gallon drum for liquids with a one mm Hg vapor pressure.

Chuck is drafting a position paper to describe the purpose and results of this analysis and will be providing it for HASC review by 1/31/11. The final product will be presented at the May 2011 HSubC Meeting at EMI SIG.



AI 10-02 Fire-Propagated Plume Modeling (Continuing activity)

Ken Young has been looking into modeling fire phenomenology that has many hard-to-define variables and working with Steve Homann of NARAC. Ken has also looked into work that other organizations are doing on fire modeling effects.

Ken plans to prepare a draft position paper that links issues to these variables by the next HASC conference call. Ken will present this work at the May 2011 HASC Meeting at EMI SIG.

New Business

There was no new business to discuss.

Round Robin

Site	Representative	Discussion
ANL	Gaff	No report.
BNL	None	Revising EPHAs.
EOTA	None	No report.
Hanford	Jivelekas	All activities are moving along well.
INL	Ward	New construction to the EOC almost completed.
LANL	Purtymun	Revising EPHAs to reduce chemical hazard footprint. Beginning sustainability program.
LBNL	None	No report.
LLNL	Young	New round of EPHA revisions. Beginning triennial hazard survey update. Sharing information with SNL-CA. HOPS has lost funding; working with NARAC on HOPS database issues.
NTS	None	No report.
ORNL	Wolfgram	HS-63 has been at ORNL since November and will continue its assistance to the self-assessment through February 2011. New EPHA to be issued in January 2011.
Pantex	Rives	Preparing for 2011 full-scale exercise. Revising hazard surveys and EPHAs.
SNL	McGrath	Updating EPHAs.



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SRS	Davis and Armstrong	Revising hazard surveys and EPHAs for liquid waste organization. Assisting safety basis organization on application of DOE-STD-1189 Appendix B. Revising "mercury" EPHA since the hazard is actually dimethyl mercury which is more hazardous than elemental mercury.
Y-12	None	No report.

Adjournment

The teleconference was adjourned at **2:23 p.m. EST**, and Ken thanked everyone for participating. The next HSubC teleconference is scheduled for **Wednesday, February 16, 2011, 2:00 p.m. EST**.

HSubC Action Item Status

No new AIs were opened, and no AIs were closed, leaving three open AIs.

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.