



Highlights
HSubC Teleconference 10-05
Wednesday, October 20, 2010; 2:00 p.m. EDT

Participants

| | |
|-----------------------------------|----------------------|
| Maureen Alai, LLNL NARAC | Shana Peterson, Y-12 |
| Denny Armstrong, URS SMS SRS | Phil Pfeiffer, INL |
| Bud Bucci, Fluor-Hanford | Bill Purtymun, LANL |
| Dorothy Cohen, ORISE | Chuck Rives, Pantex |
| Bill Gentile, LASO | Greg Roddahl, Pantex |
| Courtney Haggard, URS SMS OR | Brad Salmonson, INL |
| Aprill Jivelekas, URS SMS Hanford | Joe Terranova, BNL |
| Jim Jamison, SAIC | Susan Vosburg, SNL |
| Vicki Locklair, NA-43 | Kerry Ward, INL |
| Carl Mazzola, Shaw Environmental | Jamie Wright, Y-12 |
| Dave McGrath, SNL | Ken Young, LLNL |

Roll Call and Welcome

Carl Mazzola conducted a roll call and noted that 22 individuals from 9 DOE/NNSA locations involved with the HSubC were present. Ken Young, HSubC Chair, welcomed everyone to the conference call.

Old Business

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

At an earlier teleconference, Wayne Davis sent a draft Frequently Asked Questions (FAQ) regarding diluted gas mixtures screening effects to Jim Powers for NA-41 review. Wayne was not available on this teleconference to provide an update, and Jim did not have any comments on the NA-41 review.

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

At an earlier teleconference, Chuck Rives 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 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 has drafted a White Paper to describe the purpose and results of this analysis and has posted it on SharePoint. Michele Wolfgram is reviewing the post. 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 is looking into modeling fire phenomenology that has many hard-to-define variables. He is working with Steve Homann of NARAC and plans to draft a White Paper that links issues to these variables with a goal to have it ready for presentation at the May 2011 HASubC Meeting at EMI SIG.

New Business

There was no new business.

Round Robin

| Site | Representative | Discussion |
|----------------|----------------|---|
| ANL | None | No report. |
| BNL | Terranova | Revising EPHAs. |
| EOTA | None | No report. |
| Hanford | Bucci | Preparing for DNFSB Meeting. Updating hazards surveys. |
| INL | Ward | Nothing to report. |
| LANL | Purtymun | Revising EPHAs. Conducting Fire Department training. Conducting facility operation training. |
| LBNL | None | No report. |
| LLNL | Young | Responding to DNFSB review of nuclear facilities with respect to emergency preparedness. |
| NTS | None | No report. |
| ORNL | None | No report. |
| Pantex | Rives | In HS-63 evaluation schedule recovery mode. Revising hazard surveys. Conducting ERO training. Developing site-wide EPHA updates. |
| SNL | Vosburg | Responding to site office EPHA questions. |
| SRS | None | No report. |
| Y-12 | Petersen | Conducting EPHA on water treatment plant external hazard. Developing discretionary EALs. |



Adjournment

The teleconference was adjourned at **2:28 p.m. EDT**, and Ken thanked everyone for participating. The next HSubC teleconference is scheduled for **Wednesday, December 15, 2010, 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.**