



Highlights
HSubC Teleconference 10-04
Wednesday, August 18, 2010; 2:00 p.m. EDT

Participants

Bud Bucci, Hanford	Jim Powers, NA-41
Dan Conners, Hanford	Phil Pfeiffer, INL
Stacey Dominguez, EOTA	Chuck Rives, Pantex
Dave Freshwater, NA-41	Brad Salmonson, INL
Jonathan Gaff, ANL	Susan Vosburg, SNL
Gerry Gibeault, INL	Kerry Ward, INL
Jim Jamison, SAIC	Gary Winner, ANL
Vicki Locklair, NA-43	Michele Wolfgram, ORNL
Po-Yung Lu, ORNL	Ken Young, LLNL
Carl Mazzola, Shaw Environmental	

Roll Call and Welcome

Carl Mazzola conducted a roll call and noted that 19 individuals from 10 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 09-02 – Water treatment chemicals (Activity can be closed)

At an earlier teleconference, Gerry Gibeault developed a White 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 classification). Gerry Gibeault and Jim Jamison explained events surrounding the development, review, and presentation of this White Paper. It was suggested that these chemicals may fall under the “public use” exemption in the DOE Order, and this level of detail may not be necessary. However, because the information gathered for this paper and the methodology used may be useful to other HSubC members, it was decided that it should be posted on the HSubC SharePoint site as a source of information.



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

At an earlier teleconference, Chuck Rives developed an EPA 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.

Michele Wolfgram performed a peer review of the spreadsheet and gave Chuck some comments on the algorithm he applied. Chuck asked for additional review of the spreadsheet.

Chuck will draft a White Paper to describe the purpose and results of this analysis for internal HSubC use as NA-41 cautioned of potential policy implications and commented that this may be potentially used for DOE O 151.1D development.

New Business

AI 10-02 (Continuing activity)

Ken Young has been looking into modeling fire phenomenology that has many hard-to-define variables. He is working with Steve Homann, NARAC, and plans to draft a White Paper that links issues to these variables for critical review prior to the next HSubC teleconference.

Aggregation of small quantities: Chuck Rives has been looking into the aggregation of small quantities rule and noted that there is no specific guidance of when to use 5 times versus 10 times laboratory quantities. Chuck suggested that a potential method could be to use 5 times laboratory quantities for chemicals with a NFPA Health Hazard Rating of 3 and 10 times laboratory quantities for chemicals with a NFPA Health Hazard Rating (HHR) of 4. Michele responded that she has a database at ORNL that flags aggregate quantities above 5 times the amount and the decision on whether to screen in or out is made on an individual chemical basis. Bud Bucci/Ken Young mentioned that care should be taken to avoid using a hard-and-fast rule because different factors such as use or location could affect whether the chemical should be evaluated or not. Dan Connors stated that various manufacturers assign different HHRs to laboratory chemicals, which could be problematic in applying the proposed guidance.

New EOTA contact: Stacey Dominguez introduced herself as the replacement for Peter Martin at EOTA. Her e-mail address is sdominguez@eota.energy.gov



Hazards Assessment Subcommittee (HASubC)

Round Robin

Site	Representative	Discussion
ANL	None	No report
BNL	Ohlsen	No report
EOTA	Dominguez	HAS102, "Hazards survey and hazard assessment overview" courseware has been released.
Hanford	Conners	Reviewing DOE O 151.1C compliance and reducing programs due to facility mission changes, which are resulting in a smaller EPZ due to reduction of hazard footprint. Rewriting checklist.
INL	Ward	Gerry Gibeault will be retiring at the end of the month, and his position will be posted. Gerry was encouraged to remain active with HASubC, as one of its past-chairmen.
LANL	None	No report.
LBNL	None	No report.
LLNL	Young	Integrating data management systems into a tool (i.e., Homeland Defense Operational Training System). Performing an exercise on August 19, 2010.
NTS	None	No report.
ORNL	Wolfgram	Modifying EALs and technique to taking protective actions using different zones since a new Public Address system is in place.
Pantex	Rives	Involved in a HS-63 evaluation over the past couple of weeks. Supported a State of Texas Department of Health emergency exercise using a Pantex hazard-driven scenario. Still recovering from 2000-year recurrence period flood damage.
SNL	Vosburg	In the process of rewriting the EPHA document. Performing a hazard survey on the SNL-Albuquerque test range and the SNL-California hazards. On August 31, 2010 Diana de la Rosa, Teresa Rolfe, and Susan Vosburg will travel to LANL to evaluate its consequence assessment team.
SRS	None	No report.
Y-12	None	No report.



Adjournment

The teleconference was adjourned at **2:44 p.m. EDT**, and Ken thanked everyone for participating. The next HSubC teleconference is scheduled for **Wednesday, October 20, 2010, 2:00 p.m. EDT**.

HSubC Action Item Status

One new AI was opened, and one AI was closed for a total of 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.