



Highlights
HASC Teleconference 11-05
October 19, 2011; 1:00 p.m. EDT

Participants

Jayne-Anne Bond, ATL	Shana Peterson, Y-12
Bud Bucci, Hanford	Phil Pfeiffer, INL
Jerrie Coleman, DOE Pantex	Bill Possidente, NNSS
Tom Cook, INL	Chuck Rives, Pantex
Wayne Davis, URS SMS SRS	Brad Salmonson, INL
Jim Jamison, SAIC	Tom Tuccinardi, ATL
Aprill Jivelekas, Ascendent Engineering/Hanford	Kerry Ward, INL
Jonathan Lowery, URS SMS SRS	Michele Wolfgram, ORNL
Carl Mazzola, Shaw Environmental	Ken Young, LLNL
Mike O'Keeffe, NNSS	

Roll Call and Welcome

Aprill Jivelekas, HASC) Co-Chair, welcomed everyone to the conference call and conducted a roll call. Michele Wolfgram, HASC Chairperson, although on the call, was fighting the flu and had limited larynx power.

Aprill noted that 19 HASC-involved individuals from eight DOE/NNSA locations were present.

Administrative Matters

Carl Mazzola stated that the EMI SIG 2012 call for presentations has been issued and responses are due back earlier than usual; on December 16, 2011. The next EMI SIG Meeting will be in Seattle, WA at the Seattle Renaissance Hotel, May 14-16, 2012. An all-day HotSpot workshop and computer practicum is scheduled for Thursday, May 17, 2012.

Old Business

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

Chuck Rives mentioned that he plans to clean up the Emergency Preparedness Hazard Assessment (EPHA) screening technique spreadsheet for potential liquid hazards using vapor pressure criteria that he developed and presented at the May 2, 2011 HASC Meeting. This position paper and several Appendices will describe the purpose and results of this analysis. Chuck committed to having this posted on the website prior to the next HASC teleconference

AI 10-02–Fire-Propagated Plume Modeling (Activity closed)

Ken Young provided additional discussion with respect to his work on the critical review of modeling fire phenomenology, which was also presented at the May 2011 HASC Meeting. Ken stated that he has no plans to conduct any additional actions.

AI 11-01–PAC List to EPICODE Library Project (Continuing activity)

Chuck Rives reported on the project that is addressing the issue of the outdated EPICODE chemical library relative to more recently published Protective Action Criteria/Temporary Emergency Exposure Limits (PAC/TEELs). Over the summer, several interns who were working for both Chuck Rives and Courtney Haggard have developed a macro to transform the Revision 26 PAC/TEELs to output .epi files; compatible with EPICODE.

A draft version of the PAC database with .epi files is presently being quality assured with a comprehensive checklist. A technical paper with the interns as the principal authors will be developed at a future date. Since many of the interns have returned to school and are continuing their work on a part-time basis, this effort is moving forward slowly

Chemical Screening Working Group

Courtney Haggard developed a draft charter for a Chemical Screening Working Group that HASC members unanimously approved, and she will be the acting working group chairperson. Courtney is presently populating the new HASC working group, and several projects are being identified for the working group to undertake. The first CSWG teleconference is scheduled for November 16, 2011 at 2 p.m. EST.

New Business

AI 11-02–HotSpot and EPICODE Deposition Project

The present working group consists of Wayne Davis, Steve Homann, Denny Armstrong, Courtney Haggard, and Michele Wolfgram, who serves as the point of contact. Carl Mazzola volunteered to join the working group, and Kerry Ward, Brad Salmonson, and Bud Bucci also agreed to help. The SCAPA CAMWG will also be invited to participate in this effort. The purpose and objectives of the joint study were briefly discussed, and care will be taken to ensure that the work will not conflict with the spring 2011 HS-30 technical paper on deposition velocity of respirable particles.

Round Robin

Site	Representative	Discussion
ANL	None	No report
BNL	None	No report
EOTA	None	No report
Hanford	Aprill Jivelekas Bud Bucci	Hazard Surveys (HSs) and EPHAs are being updated. Preparing for a November 2011 exercise.
INL	Kerry Ward	Completed a successful October 2011 annual full-participation exercise. Introduced Tom Cook, a new hazard assessor at INL.
LANL	None	No report

Site	Representative	Discussion
LBNL	None	No report
LLNL	Ken Young	Routine maintenance on EPHAs.
NARAC	None	No report
NNSS	Bill Possidente Mike O'Keefe	Requested guidance on screening monolithic solids of sodium hydride and lithium hydride clad in stainless steel. Although these chemicals cannot evaporate and produce a source term under common phenomenologies, they can react with water and be converted to sodium hydroxide and lithium hydroxide. Should these chemical reactions be considered in an EPHA? SRNL, Y-12, Pantex, and INL indicated they do not screen but consider this source term pathway in its EPHAs.
ORNL	Michelle Wolfgram	HSs, EPHAs, and Emergency Action Levels (EALs) are being updated.
Pantex	Check Rives	Completed annual exercise. Initiated Emergency Response Organization (ERO) training inclusive of consequence assessment training.
SNL	None	No report
SRS/SRNL	Wayne Davis	Had earlier screened out solutions of dimethyl mercury, but have reconsidered and now evaluate it in an EPHA. Briefly discussed that the SRS meteorological tower uses actual turbulence (i.e., sigma theta) for turbulence typing. When using this data with MACCS2 urban surface roughness for forest morphologies, double counting may be occurring in the overall analysis. This may also apply to Hotspot usage. (After Action: DNFSB indicated on 10/21/11 that it believed this factor was 2.4).
Y-12	Shana Peterson	HSs, EPHAs, and Emergency Action Levels (EALs) are being updated.

Adjournment

The teleconference was adjourned at **1:47 p.m. EDT**, and Aprill thanked everyone for participating. The next HASC teleconference is scheduled for **Wednesday, December 21, 2011, at 1:00 p.m. EST.**



HASC Action Item Status

One new AI was opened and no AIs were closed, leaving three open AIs. The color-coding system used in the teleconference highlights is as follows:

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