



Highlights
HASC Teleconference 12-01
February 15, 2012; 1:00 p.m. EST

Participants

Denny Armstrong, SRS	Bill Possidente, NNS
Stuart Bayne, DOE ORO	Jim Powers, NA-41
Bud Bucci, Hanford MSA	Josh Price, URS SMS
Dorothy Cohen, ORISE	Bill Purtyman, LANL
Courtney Haggard, URS SMS Oak Ridge	Chuck Rives, Pantex
Steve Homann, LLNL NARAC	Frank Roberto, INL
Aprill Jivilekas, Hanford	Brad Salmonson, INL
Jonathan Lowrey, SRS	Joe Terranova, BNL
Carl Mazzola, Shaw Environmental	Melissa Thornton, URS SMS Oak Ridge
Mike O'Keeffe, NNS	Michele Wolfram, ORNL
Phil Pfeiffer, INL	

Roll Call and Welcome

Michele Wolfram, HASC Chairperson, welcomed everyone to the teleconference, conducted a roll call, and noted that 21 individuals from nine DOE/NNSA locations were present.

Administrative Matters

Michele mentioned that she has finalized the agenda for the HASC Annual Meeting in Seattle, WA, May 14, 2012; which is scheduled 7:30 a.m.–10:15 a.m. PST. The joint HASC/SCAPA/DMCC session begins at 10:30 a.m. PST and ends at lunchtime.

Old Business

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

Chuck Rives indicated that he has completed the screening technique position paper for potential liquid hazards using vapor pressure criteria, which also contains several appendices to describe the purpose and results of this analysis. This position paper will be posted on SharePoint.

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

Chuck stated that the outdated EPICODE chemical library relative to the more recently published Protective Action Criteria/Temporary Emergency Exposure Limits (PAC/TEELs) project has essentially been put on hold. The interns assisting this project have been reassigned, and the files that were developed were too large, causing EPICODE to crash. Steve Homann, the EPICODE author, offered to seek a solution to the problem. A technical paper with the interns as the principal authors is still under development for presentation at the HASC Annual Meeting.



Hazards Assessment Subcommittee (HASC)

AI 11-02–Hotspot and Epicode Deposition Project (Continuing activity)

The working group has been populated with about 20 individuals from HASC and the Subcommittee on Consequence Assessment and Protective Actions (SCAPA) Source Term Working Group (STWG), with SCAPA Consequence Assessment Modeling Working Group (CAMWG) also participating in the effort. The purpose and objectives of this joint study will be discussed during a February 23, 2012 conference call to obtain agreement on the objective statement, to further scope out this task, and identify specific actions to break out for subgroups to address.

Chemical Screening Working Group

Courtney Haggard reported that the Chemical Screening Working Group (CSWG) had two teleconferences with about 15 individuals participating in each. They had good discussions on several screening topics.

The CSWG is cataloguing types of screening analyses at DOE/NNSA sites and is examining previously used screening thresholds. In addition, a web page has been created for the CSWG.

The next CSWG teleconference has been scheduled for **March 21, 2012 at 1:00 p.m. EDT.**

New Business

Joe Terranova inquired as to whether DOE O 151.1D, which is under development, may require, as part of a beyond design basis evaluation (BDBE), scenarios with multiple chemical releases. This requirement may necessitate the use of the Chemical Mixture Methodology (CMM). NA-41 did not confirm that this was the case but indicated it, in conjunction with the Office of Nuclear Safety (HS-30), would be doing a BDBE pilot review at Oak Ridge National Laboratory (ORNL), the first week of March 2012.

AI 12-01 (Continuing Activity)

Chuck Rives asked whether NA-41 had seen NA-G1SD-1027, the implementation document for DOE/NNSA sites for DOE-STD-1027, "Hazard Categorization and Accident Analysis Techniques for Compliance with DOE Order 5480.23, Nuclear Safety Analysis Reports." Chuck mentioned that the Category 2 and 3 thresholds are different than what is in DOE-STD-1027, and the Airborne Release Fractions (ARFs) are also different. Jim Powers stated that he has not seen this document as of yet, nor has NA-41 taken a position on the implementation of this DOE standard, and whether this document should be applied to existing emergency preparedness programs. Jim recommended that the HASC send a request to NA-41 to have a Frequently Asked Questions (FAQ) prepared on this matter. Chuck took the action to send an e-mail on the topic and draft the FAQ with Michele editing the draft prior to HASC input.

Joe Terranova inquired as to whether anyone had a copy of the Department of Homeland Security (DHS) chemical concerns list. Bill Purtyman mentioned that he had looked at this about five or six years ago and will provide a copy to Joe.



Hazards Assessment Subcommittee (HASC)

Round Robin

Site	Representative	Discussion
ANL	None	No report
BNL	Joe Terranova	Developing an EPHA on a chlorine gas-based hazards facility.
EOTA	None	No report
Hanford	Bud Bucci Aprill Jivelekas	Seven Hazard Surveys (HS) have been completed and several EPHAs are being updated. Defense Nuclear Facilities Safety Board (DNFSB) visited to look at the emergency management program.
INL	Brad Salmonson	Revising EPHAs and HSs for the three-year review. Performing self-assessments. Preparing for a DOE/HSS audit scheduled for April 2012.
LANL	Bill Purtyman	Preparing multiple EPHAs and looking at MDAW. Performing numerous internal and external audits. Preparing for DOE/HS-45 March 2012 visit.
LBNL	None	No report
LLNL	None	No report
NARAC	None	No report
NNSS	Mike O'Keeffe	EALs are being removed from the EPHAs and being moved to a response guide.
ORNL	Michelle Wolfgram	Preparing for a February 29, 2012 BDBE tabletop exercise that will involve Y-12, ORNL, and ETTP. Revising HSs and EPHAs.
ORO	Stuart Bayne	Reviewing HSs from all Oak Ridge Reservation facilities and DOE Science sites (i.e., 50-90 documents/year). No-notice exercise performed at East Tennessee Technology Park on a warehouse accident scenario with positive response results.
Pantex	Chuck Rives	Performing internal self-assessments. Revising EPHAs.
SNL	None	No report
SRS/SRNL	Denny Armstrong	Completing three facility EPHAs including the new Waste Solidification Building.



Hazards Assessment Subcommittee (HASC)

Site	Representative	Discussion
Y-12	None	No report

Adjournment

The teleconference adjourned at **1:33 p.m. EST**, and Michele thanked everyone for participating. The next HASC teleconference is scheduled for **Wednesday, April 18, 2012**, at **1:00 p.m. EDT**.

HASC Action Item Status

One new AI was opened and one AI was 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.**