



**Highlights**  
**HASC Teleconference 11-06**  
**December 21, 2011; 1:00 p.m. EST**

**Participants**

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Bud Bucci, Hanford	Bill Possidente, NNS
Jim Jamison, SAIC	Chuck Rives, Pantex
Carl Mazzola, Shaw Environmental	Greg Roddahl, Pantex
Meredith O'Brien, AlphaTRAC	Michele Wolfgram, ORNL
Mike O'Keefe, NNS	

**Roll Call and Welcome**

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Michele mentioned that the December 2012 HASC teleconference has been scheduled a week earlier (i.e., December 12, 2012) so as not to conflict with the end-of-year holidays.

**Administrative Matters**

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Michele mentioned that the December 2012 HASC teleconference has been scheduled a week earlier (i.e., December 12, 2012) so as not to conflict with the end-of-year holidays.

**Old Business**

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

Chuck Rives mentioned that he has cleaned up the Emergency Preparedness Hazard Assessment (EPA) screening technique spreadsheet for potential liquid hazards using vapor pressure criteria that he presented at the May 2, 2011 HASC Meeting. The position paper and several Appendices developed to describe the purpose and results of this analysis, will soon be posted on SharePoint with final comments from HASC due on January 31, 2012, so it can be issued prior to the February 2012 HASC teleconference.

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

Chuck Rives reported on this project that is addressing the outdated EPICODE chemical library relative to more recently published Protective Action Criteria/Temporary Emergency Exposure Limits (PAC/TEELs). Chuck Rives and Courtney Haggard have been working together to have their interns develop a macro to transform the Revision 26 PAC/TEELs to output .epi files compatible with EPICODE. The macro and quality assurance tests using a comprehensive checklist have been completed. An unexpected issue arose when it was determined that the files were too large for EPICODE, which crashed with them in it. After consultation with Steve Homann, the EPICODE author and Fernando Aluzzi of NARAC, it was determined to break up the files into smaller elements to see if that solves the problem.

A technical paper with the interns as the principal authors will be developed for presentation at the May 2012 HASC Meeting.

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

The present working group, which is still being populated, consists of a number of individuals from the HASC and the SCAPA Source Term Working Group. Michele Wolfgram serves as the point of contact. The SCAPA Consequence Assessment Modeling Working Group will also be participating in this effort. The purpose and objectives of the joint study were reviewed and there was significant discussion on why care should be taken to ensure that the work will not conflict with the spring 2011 HS-30 technical paper on deposition velocity of respirable particles. Carl Mazzola explained that HS-30 has taken a position on this in nuclear safety space and the Defense Nuclear Facilities Safety Board has bought into it. Therefore, the working group needs to be mindful of the results of that evaluation and the positions that were taken. Although this project will also be addressing deposition, it is treated differently in emergency preparedness space, as different codes (i.e., EPICODE, HOTSPOT) are used. Emergency preparedness uses these codes for Emergency Preparedness Hazard Assessments (EPHAs) to determine the size and adequacy of the emergency management program under reasonable conditions, while nuclear safety uses other codes (e.g., GENII, MACCS2) for Documented Safety Analyses (DSAs) to establish appropriate safety controls under bounding conditions. It was determined that the working group will prepare a disclaimer that describes the difference between bounding and reasonable conditions as part of its early work.

### **Chemical Screening Working Group**

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Courtney Haggard had earlier developed a charter for the Chemical Screening Working Group (CSWG) that HASC members unanimously approved and she is the working group chairperson, presently populating this new HASC working group. Several projects are being identified for the working group to undertake, and some were discussed at the first CSWG teleconference that was held on November 16, 2011. The next CSWG teleconference has been scheduled for January 18, 2012.

### **New Business**

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Mike O’Keeffe requested some advice on how to handle hazard screening for a Treatment Storage and Disposal (TSD) facility at Nevada Nuclear Security Site (NNSS). This TSD facility has a Resource Conservation and Recovery Act Part B Permit with the Environmental Protection Agency and handles up to 425 waste codes with a 16,280-gallon inventory limit. The difficulty with screening and EPHA development is that there is no fixed inventory and on a daily basis, the inventories vary as some stored wastes are shipped offsite under Department of Transportation guidelines while newly generated wastes are brought to the facility. Bud Bucci and Chuck Rives both acknowledged the difficulties in chemical screening and EPHA development and it was the consensus of the participants to employ ERG Emergency Action Level criteria.

**Round Robin**

Site	Representative	Discussion
ANL	None	No report
BNL	None	No report
EOTA	None	No report
Hanford	Bud Bucci	Hazard Surveys (HSs) and EPHAs are being updated. Preparing for a DNFSB visit next week.
INL	None	No report
LANL	None	No report
LBNL	None	No report
LLNL	None	No report
NARAC	None	No report
NNSS	Bill Possidente Mike O'Keefe	Preparing a unique HS for a detection fingerprint accelerator that is being brought to the site.
ORNL	Michelle Wolfgram	EPHAs and the Emergency Plan are being updated. Looking at HS-30 report on Post-Fukushima implementation actions. Planning a February 29, 2012 tabletop exercise on a beyond design basis event.
Pantex	Chuck Rives	Assisted nuclear safety organization in the emergency preparedness aspects of a recent visit by the DNFSB.
SNL	None	No report
SRS/SRNL	None	No report
Y-12	None	No report

**Adjournment**

The teleconference was adjourned at **1:44 p.m. EST**, and Michele thanked everyone for participating. The next HASC teleconference is scheduled for **Wednesday, February 15, 2012**, at **1:00 p.m. EST**.



### HASC Action Item Status

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No new AIs were opened and none 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.**