



Emergency Management Issues (EMI)  
Special Interest Group (SIG)

## Highlights

### HAZARDS ASSESSMENT SUBCOMMITTEE TELECONFERENCE 07-01

WEDNESDAY February 21, 2007; 2:00 PM Eastern Time

#### Participants:

Denny Armstrong, WSMS  
Larry Campbell, Hanford  
Jeng Chang, NA-41  
Bob Cornish, OST  
Wayne Davis, WSMS  
Jerry Gibeault, INL  
John Harris, DOE/OR  
Jeff Long, ORNL, Co-Chairman  
Pete Matonis, INL  
Carl Mazzola, Shaw Environmental  
Mike O'Keeffe, NTS  
Shana Peterson, BWXT/Y-12  
Bill Possidente, NTS  
Jim Powers, NA-41  
Chuck Rives, Pantex, Chairman  
Judy Ryland, ORISE  
Brad Salmonson, INL  
Kerry Ward, INL

### Teleconference Highlights

#### I. Roll Call

Chuck Rives conducted a roll call and acknowledged that 18 individuals from eight DOE/NNSA locations involved with the Hazards Assessment Subcommittee (HAS) were present.

#### II. Administrative Matters

There were no administrative matters that required discussion.



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#### III. Action Items

Chuck Rives and Jeff Long led a discussion on the six active action items.

**AI 06-01:** During previous teleconferences, Chuck Rives discussed a power point presentation on consequence assessment that he placed on the HAS list server on January 10, 2006. A second draft is out for review and comment. The goal of this task is to make this presentation a HAS product to be used by all DOE/NNSA sites, where the target audience is professionals with minimal background in the technical topic. Chuck will review comments he has received so far and issue a final draft prior to the April 18, 2007 teleconference, so it can be ready for the EMI SIG meeting May 7-12, 2007. **ACTIVITY PROCEEDING.**

**AI 06-02:** During previous teleconferences, Chuck Rives discussed the crosswalk of all hazards assessment interfaces with the December 20, 2005 draft Emergency Management Guides (EMGs) product; a quick reference document for identifying customer expectations. Each element in the crosswalk contains a statement describing an action that needs to be performed. HAS members, including Wayne Davis, Michele Baker, Carl Mazzola, Jeff Long, Jerry Gibeault, Bob Cornish, Diane Senutovitch, and Susan Vosburg are participating in this effort. Chuck indicated that although many segments have been completed, recent revisions to some of the EMGs have made some of the information obsolete. Jim Powers recommended that the HAS wait until the final version of the EMGs are issued. Presently, the RevCom deadline is February 28, 2007 with most comments received so far not being of the onerous variety. NA-41 has 30 days to resolve the comments. This will be a good discussion topic for the May 7, 2007 HAS meeting. **ACTIVITY PROCEEDING.**

**AI 06-04:** During a previous teleconference, Carl Mazzola and Larry Campbell reported on the work that they and four other professionals are performing in the process of evaluating the HOTSPOT code for inclusion as the 8<sup>th</sup> model into the DOE Central Registry toolbox as a safe harbor code. The report is virtually complete and it is still uncertain whether HOTSPOT will be accepted in the toolbox since it has many gaps in the gap analysis. However, all the Central registry codes have gap analyses that have to be eventually closed. The final report has been delayed due to a medical problem that the code manager is experiencing, and now is expected out in March 2007. **ACTIVITY PROCEEDING.**



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**AI 06-05:** During a previous teleconference, Jeff Long led a discussion on the use of “case books” for pre-determined inputs for initial worst case plume models in the EOC/TSC during drills and exercises or actual events based on EPA worst case scenarios. Jeff Long took an action to develop a lessons learned best practice statement on the use of case books. No further discussion during this teleconference. **ACTIVITY PROCEEDING.**

**AI 06-06:** During a previous teleconference, Megan Eastment discussed the survey of hazards task that she is performing for DOE NA-41 (i.e., Support-Chemical Inventory System Evaluation). The scope of the task is to: (1) produce inventory system analysis results that can be used by DOE sites to improve emergency planning processes; (2) identify lessons learned across the complex, uncovering strengths and weaknesses of systems and how sites have dealt with problems in their systems; (3) produce a set of best practices for inventory system set-up and management, as well as the adaptation of existing inventory systems and data for application to emergency management; and, (4) establish a mechanism for information sharing among field sites by identifying specific points of contact for solutions and best practices. Megan will be canvassing 15 sites and will be e-mailing questionnaires to these sites. There will also be site visits to BNL, SRS, SNL-NM, PNNL, and LANL. Information gathered from this effort will be analyzed to establish an inventory configuration best practice for all sites and a mechanism for sharing chemical inventory information. No further discussion during this teleconference. **ACTIVITY PROCEEDING.**

**AI 06-07:** During a previous teleconference, Gerry Gibeault inquired as to how a hazards survey can demonstrate that the site is appropriately implementing applicable federal, state, and local regulations. Gerry has developed a White Paper on this topic and will be using it as an addendum to a hazard survey that is presently in preparation. Larry Campbell shared that the list could be longer than the hazards survey itself, since there are numerous regulations, and wanted to know if it were wise to list them all. Chuck Rives said that he has developed a spreadsheet which looks like an S/RIDs list. Jeff Long indicated that this is one model for implementation. It was decided to review the document and share with the other NNSA/DOE sites. Each of these sites can then develop its own site-specific version. **ACTIVITY PROCEEDING.**



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#### IV. New Business

**AI 06-08**: A significant part of this teleconference was focused on the population of the HAS May 7, 2007 meeting in San Antonio, TX, just prior to the EMI SIG meeting. Chuck Rives mapped out the 4-hour meeting, and it was determined that nine 20-minute presentations would be sought. Presentations that were submitted to the EMI SIG Steering Committee and referred back to the SCAPA and HAS were considered. Those selected included: (1) strategic hazard reduction by Mark Bryndilson; (2) weight of evidence in chemical screening, Jim Jamison and Greg Martin; (3) radiological mixtures by Terry Brog; (4) Pantex case study on LPF, Chuck Rives; (5) software SQA by Debra Sparkman; and. (6) chemical inventory system by Megan Eastment. Chuck will draft an agenda and forward to Dorothy Chen, ORISE. Carl Mazzola will seek a presentation from the SCAPA Biosafety Working Group. This incomplete program will be forwarded to the HAS for final population. **ACTIVITY PROCEEDING.**

#### V. Round Robin Discussion

Chuck Rives led the round robin discussion:

**Pantex**: Chuck mentioned that Pantex just responded to a no-notice exercise which went very well. Pantex is also working on a hazards survey and updating procedures.

**INL**: Gerry stated that INL was getting ready for an upcoming HHS audit.

**Hanford**: Larry discussed a new issue at Hanford associated with a facility that has Poly Chlorinated Biphenyls (PCBs) in transformers. It was determined that it can be screened out of the hazards survey. However, if it is subjected to a fire, the sensible heat breaks the PCBs down into more toxic components of dioxins and furans. Larry has found a few sources on the Internet regarding PCB breakdown in fires, but the information obtained so far is incomplete. Wayne Davis questioned why fire breakdown products even have to be considered.

**SRS**: Wayne indicated that changes to the Emergency Preparedness Hazards Assessments (EPHAs) in response to DOE O 151.1C screening criteria are being developed. In addition, SRS is looking into the hazards at BSL-1 and BSL-2 select agents and toxins greater than the CFRs and whether an EPHA is required. Lastly, SRS is considering pulling back from the keyhole approach since it may require too extensive a protective action footprint.



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#### VI. Next HAS Conference Call

Chuck Rives indicated that the next HAS conference call has been scheduled for **Wednesday, April 18, 2007 at 2:00 pm Eastern Time.**

#### VII. Adjournment

The teleconference was adjourned at **3:00 p.m. EST.** Chuck and Jeff thanked everyone for their time and their contributions.

#### VIII. HAS Action Item (AI) Status

One new action item was opened and no action items were closed as a result of the discussions in this teleconference. There are now seven open action items.

The color-coding system used in the teleconference highlights are as follows:

- Existing AIs that are not closed are colored green;
- New AIs are colored yellow; and,
- AIs to be closed are colored blue.