



TRADE
Emergency Management Issues Special
Interest Group
Hazards Assessment Subcommittee
Conference Call
February 22, 2006

HIGHLIGHTS
DRAFT

Conference Call Participants:

Bud	Bucci, Hanford
Larry	Campbell, Hanford
Al	Cerrone, NA-41
Jeng	Chang, NA-41
Wayne	Davis, SRS
Gerry	Gibeault
Courtney	Haggard, WSMS
Amparo	Henderson, ORISE
Clark	Hyder
Jim	Jamison, SAIC
Jeff	Long, ORNL
Greg	Martin, SAIC
Amber	Martin, WSMS
Pete	Matonis,
Carl	Mazzola, Shaw Environmental
John	Nasstrom, LLNL
Dale	Petroff
Bill	Possidente, Bechtel Nevada
Jim	Powers, NA-4
Chuck	Rives, Pantex
Brad	Salmonson, INL
Kerry	Ward, INL

Subcommittee Meeting at EMI SIG Annual Meeting

- Format will be the same as last year (1/2 day: short presentations, panel, and administrative details). Need about 3 hours of talks, 20 minute break, 45 minutes for admin.
- Suggestions for panel discussions:
 - Fire Science
 - DOE O 151.1C Screening Criteria. Wayne Davis and Chuck Rives will be on panel. Any other volunteers to participate on the panel? Need 3-4 on panel.
- Suggestions for presentations:

- Dose Conversion Factors
- Follow-up of Bob Cornish's presentation on OST (Bob Cornish or Mike Arendale) Chuck will contact.
- Jim Jamison's work on UF6 (Topic he presented on in Salt Lake City).
- Wayne Davis. OA findings or areas of improvement for generic issues?
- Carl Mazzola suggested topic on use of NARAC in hazards assessment and recommended John Nasstrum or Brenda Pobanz to give presentation. Seems it would be better to have an end user's perspective. Oak Ridge is the only site using NARAC for planning. Courtney said Michele Baker may be willing to present.
- Fire Dispersion. We're pretty silent on this issue as a community, as far as radiological or chemical in a fire. What are the appropriate assumptions to make? Is there anything out there that others that aren't technical in the field might be able to use? Carl Mazzola suggested looking at a model from Los Alamos called FireTec (It is a 3D model.).
- A topic for Carl (It needs to be early because he has another meeting that same day.)
- NA-41 or EMG topic? (Jim Powers will think about it.)
- Charles and Wayne will send out a sketchy draft agenda within a week to help fill out gaps.

SRS SP-43 (OA) Visit:

Requirement for Predetermined PARS for all Events

- They had one Finding in the HA area. Lack of pre-determined protective action recommendations (PARs) for off site events. Failed to have PAR distance defined for extreme malevolent acts. Their interpretation; do not have to have predetermined PARs for these events.
- Protective action out to EPZ but not beyond. Need to have recommendations for extent that can be exceeded beyond PAC. Need to have corresponding EAL action. This does not impact the size of EPZ. Predetermined PARS is a separate discussion. Looks like a policy issue. Fairbent wants to clarify before final policies are published. Maybe have HQ provide clarification during meeting or have a discussion during meeting about this issue?
- Jim Powers: the only policy statement made so far is protective action recommendations must be defined for a predetermined act. Distance has not been covered.

Use of 10 Micron Exclusion for Solids

- In SRS hazard survey, they had screened out several materials due to lack of dispersability. They would screen for larger than 10 micron for particle size, based on engineering judgment. OA comment: engineering judgment is not adequate. This is not a finding but is an improvement item that needs more direct guidance. It is not a requirement to make a quantitative measurement, but guidance is needed on what the respirability threshold is.
- Jim Powers: the language was intended for when there is something inherent in the material that can be turned into a powder.

- DOE 151.1C reads that there is the option to exclude Type B containers from inventory. If other analyses (e.g., Rad/Tox or DSA) assume failure of these containers, should that affect this exclusion? (Time ran out prior to any discussion.)

15-minute Time Weighted Average

- (Time ran for discussion of this topic. Wayne said he will post this item on the listserv for discussion.)

ALOHA Upgrade to Version 5.4

- The upgrade is out. It is a significant upgrade, and the manual is improved.