



Highlights
SCAPA Program Teleconference 09-05
Thursday, October 15, 2009; 12:30 p.m.-1:30 p.m. EDT

Participants:

Maureen Alai, NARAC	Shana Peterson, Y-12
Tom Bellinger, Y-12	Rocky Petrocchi, ATL
Jayne-Ann Bond, ATL	Phil Pfeiffer, INL
Wayne Davis, WSMS	Bill Possidente, NS Tec
Dave Freshwater, NA-41	Jim Powers, NA-41
Gerry, Gibeault, INL	Jeremy Rishel, PNNL
Cliff Glantz, PNNL	Frank Roberto, INL
Jim Jamison, SAIC	Diane Rodi, ANL
Po-Yung Lu, ORNL	Brad Salmonson, INL
Steve Lockett, NA-41	Tom Tuccinardi, Excalibur
Dan Marsick, DOE-HS	Kerry Ward, INL
Dina Matz, LANL	Michele Wolfgram, ORNL
Carl Mazzola, Shaw Environmental	Jamie Wright, Y-12
Vern McDougall, ATL	Xiao-Ying Yu, PNNL

I. Roll Call

Carl Mazzola conducted a roll call, noting that 28 emergency management professionals involved in various aspects of the SCAPA program, as identified in the above teleconference participants list, were present. The teleconference was called to order.

II. Administrative Matters

Carl Mazzola addressed three administrative matters:

Previous Teleconference Highlights: The highlights from SCAPA Program Teleconference 09-04 have been approved and will soon be posted by ORISE on the EMI SIG/SCAPA website.

SCAPA Action Item and Items of Interest Status: The latest updated SCAPA Program Action Item (AI) was last updated on August 31, 2009. At the time of this teleconference, one AI remains open (AI 06-01) and eight items of interest (IoIs) are being tracked. The progress of this AI and the IoIs will be discussed during today's teleconference.

11th EP & R Topical Meeting: The draft Call for Papers is almost ready to be sent out for this topical meeting, which will be held in Knoxville, Tennessee, August 8–11, 2011. Early planning for topical meetings takes 18–24 months. Volunteers to organize and chair sessions identified in the call for papers are needed prior to the next teleconference.

III. SCAPA Working Group Activities

A. Chemical Exposures Working Group (CEWG) (Doug Craig, Chairperson)

PAC/TEEL Revision 26: Development requests of TEELs for a few chemicals from Y-12, Pantex and SNL are on hand. Po-Yung Lu stated that 18 of the 19 proposed AEGLs released for public comment in August received no comments and were automatically raised to Interim status. They are not publicly available yet; however the database will be updated once EPA completes its actions. **ACTIVITY PROCEEDING.**

Update of PAC/TEEL data for Concentration-Dependent Chemicals: A technical update on the PAC/TEEL data set to provide updates of regulatory limit values for chemicals whose PAC/TEEL values is driven by concentration-dependent regulatory limits continues to proceed. **ACTIVITY PROCEEDING.**

Update of PAC/TEEL data for Toxicity-Dependent Chemicals: A technical update on the PAC/TEEL data set to provide updates for chemicals whose PAC/TEEL values are driven by toxicity values is proceeding. Po-Yung Lu mentioned that the first 100 of 760 old PAC/TEELs (i.e., through mid-1997) where RTECS is the primary source, are complete. **ACTIVITY PROCEEDING.**

B. Chemical Mixtures Working Group (CEWG) (Doug Craig, Chairperson)

Release of Updated Chemical Mixture Methodology: Rocky Petrocchi reported that the 23 new chemicals in PAC/TEEL Revision 25 that had HCNs developed for them received NA-41 approval and will be posted on the EMI SIG/SCAPA web page next week. **ACTIVITY CAN BE CLOSED.**

Update of Health Code Numbers: Xiao-Ying Yu is leading an update of HCNs for first 1000 original CMM chemicals; the 15% quality assurance has recently just begun. Results will be incorporated in the next CMM revision. **ACTIVITY PROCEEDING.**

HCN Technical Papers: Xiao-Ying Yu is developing a revised draft of the journal article on the HCN development procedure, which will show the differences between the old and new HCN methodologies. This draft will be discussed at the upcoming TAG+ meeting. The goal is to complete the paper for submission to *Journal of Applied Toxicology* in January 2010.

A draft of a second journal article associated with using HCN source terms by John Ciolek will also be discussed at the TAG+ meeting. **ACTIVITY PROCEEDING.**

C. Consequence Assessment Modeling Working Group (Jeremy Rishel, Chairperson)

AI 06-01: Central Toolbox Registry – SQA & Candidate Models: Cliff Glantz and Jeremy Rishel continued the discussion on the development of SCAPA Safety-Related SQA Guidelines for consequence assessment models, as well as meteorological data software. The latest draft guidance, focusing on safety-related software and meteorological data, received comments from some SCAPA



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reviewers, and a final draft will be issued by October 31, 2009. Additional concurrent reviews by other stakeholders will be performed by the Energy Facilities Contractor Group (EFCOG) Safety Analysis Working Group (SAWG), and Subir Sen and Debra Sparkman of the DOE/HS Central Registry.

Once the guidance is finalized, it will be available to all DOE/NNSA consequence assessment modelers and users of this guidance to develop a preliminary application and gap analysis, which is targeted for December 31, 2009. Select members of the CAMWG will then evaluate the gap analyses after they are received. The ultimate goal is to have the gaps closed on all SCAPA toolbox models by September 30, 2010. **ACTIVITY PROCEEDING.**

Consequence Assessment Guide: A Consequence Assessment Guide, developed for use by DMCC or NNSA/DOE meteorological program managers to conduct assessments of the meteorological components of the site's consequence assessment program, is under NA-41 review and when issued, will complement the Meteorological Data Program Assessment Guide. No additional discussion occurred during this teleconference. **ACTIVITY PROCEEDING.**

HOTSPOT 2.07 in DOE Central Registry: An e-mail from John Nasstrom on October 8, 2009, identified progress on the five critical area responses required for its entry of HOTSPOT 2.07 into Central Registry Toolbox. Cliff plans to meet with Subir Sen, who manages the Central Registry, on November 2, 2009, to discuss HOTSPOT 2.07 and other matters. **ACTIVITY PROCEEDING.**

D. Biosafety Working Group (Frank Roberto, Chairperson)

Frank Roberto discussed the upcoming American Biological Safety Association (ABSA) meeting in Miami, FL, October 12-16, 2009. Since SCAPA BWG has an agreement and a relationship with the NBSA, Frank plans to attend this meeting and will conduct a meeting with the six BWG members in attendance.

Carl asked Jim Powers whether the document that addressed AI 06-06 satisfied NA-41's request and Jim answered in the affirmative.

E. Source Term Working Group (Michele Wolfgram, Chairperson)

Since Michele Wolfgram was unavailable for the teleconference, Cliff reported that the STWG conducted a teleconference on September 9, 2009, and the working group is addressing several issues, which include a White Paper associated with the DOE standard on Transuranic (TRU) waste.

Other matters discussed by the STWG are work being done on Leak Path Factor, dose-equivalent curies, and an evaluation on non-radiological versus radiological health effects. The next STWG teleconference is scheduled for November 11, 2009.



IV. SCAPA Web Page and EMU Report

Cliff Glantz discussed several recent updates to the newly reformatted SCAPA web page. He indicated that the CMM Revision 25 will be posted within the next two weeks. In addition, Donna Trott identified additional links to be added and older links to be updated.

Tom Tuccinardi mentioned that an Emergency Management Update (EMU) may be issued after the TAG+ meeting to share some decisions that resulted from that meeting.

V. EPA AEGLs Status

Po-Yung Lu reported on recent EPA National Advisory Committee (NAC) activities. The EPA NAC met for the 49th time, September 9-11, 2009, at Research Triangle Park, NC. The 50th meeting is scheduled for April 2010, tentatively in San Francisco. Interim AEGL for many chemicals have not received National Academy of Sciences (NAS) review. EPA management is not accepting additional chemicals for AEGL development since its mandate from Congress to address approximately 400 chemicals has essentially been accomplished.

VI. AIHA ERPGs Status

Richard Thomas was not available to report on recent Emergency Response Planning (ERP) Committee activities. The ERP had a teleconference on September 16-17, 2009, to discuss 6 chemicals that are having ERPGs developed.

VII. EPA PAGs Status

Wayne Davis continued a discussion with an EPA representative who stated that the change in Administrations has resulted in further review of the new PAGs prior to publication.

Wayne indicated that DOE has adopted the ICRP 68/72 dosimetry models in FGR-13 for its Documented Safety Analysis, Emergency Preparedness Hazard Assessment (EPHA), and consequence assessment work. Carl stated that on work he is doing for the National Aeronautical and Space Administration, ICRP 68/72 is also being used. Since the PAGs submitted to the previous administration were based on this dosimetry, it is likely that the PAGs, when approved, will be consistent with what DOE is already using.

VIII. Round Robin

ANL BSL-3 Facility: Diane Rodi mentioned that the BSL-3 facility at Argonne National Laboratory (ANL) has opened for testing and is added as an additional facility by the Centers for Disease Control (CDC). The Environmental Impact Statement is in final draft, and start-up is expected in April 2010. Diane briefly discussed Senate bill S.1649 which addresses deficiencies in BSL-3 and BSL-4 facilities and Department of Homeland Security (DHS) oversight of these facilities. DOE Secretary Chu has



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indicated that DOE will not be constructing any BSL-4 facilities, so this applies to the BSL-3 facilities at ANL, Los Alamos National Laboratory, and Lawrence Livermore National Laboratory.

SRS Nitric Acid Spill: Wayne discussed the recent small quantity nitric acid spill in an F-Area building at Savannah River Site, which led to an exaggerated protective action response; especially to the adjacent Mixed Oxide Fuel Fabrication Facility construction project work force. Protective Action criteria are being modified as part of the lessons learned and may incorporate a default to go to Department of Transportation guidance.

Y-12 *iClient* Issues: Tom Bellinger shared that Y-12 is experiencing problems with *iClient* due to conflicts with its new security protocols. Cliff mentioned that Hanford is using NARAC web as a workaround. Maureen Alai mentioned that *iClient* will be turned off by the beginning of November 2009 and all sites will be using NARAC web.

IX. Next SCAPA Conference Call

The next SCAPA Conference call will take place on Thursday, **December 17, 2009**.

X. Adjournment

The teleconference was adjourned at **2:55 p.m. EDT**. Carl thanked everyone for their time and contributions.

XI. SCAPA Program Action Item (AI) Status

Based on the information exchange from this teleconference, the only AI was not closed and no new AIs were opened, keeping the number of AIs to one. One Item of Interest (IoI) was closed and no new IoIs were added. The updated AI listing and IoI listing is maintained separately but is usually sent out with teleconference highlights.

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

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