

SCAPA PROGRAM TELECONFERENCE 08-03
WEDNESDAY, JULY 9, 2008; 2:00 PM-3:00 PM EDT

Teleconference 08-03 Participants

Brian Baumann, Fluor-Hanford
Tom Bellinger, Y-12
Jane-Ann Bond, ATL
Dorothy Cohen, ORISE
Doug Craig, ATL
Mike Dillon, NARAC
Kevin Foster, NARAC
Dave Freshwater, NA-41
Gerry Gibeault, INL
Cliff Glantz, PNNL
John Harris, OROO
Jim Jamison, SAIC
April Jivelakis, WSMS Mid-America
Jeff Long, ORNL
Po-Yung Lu, ORNL
Jose Maisonet, NA-43
Carl Mazzola, Shaw Environmental
Vern McDougall, ATL
Deborah Newby, INL
Michelle O'Shaughnessy, SRS
Rocky Petrocchi, URS
Jim Powers, NA-41
Frank Roberto, INL
Rick Ridriguez, ORNL
Judy Ryland, ORISE
Tom Tuccinardi, ATL
Gary Winner, ANL
Michele Wolfgram, WSMS Mid-America
Xiao-Ying Yu, PNNL

Teleconference Highlights

I. Roll Call

Carl Mazzola conducted a roll call, noting that 29 emergency management professionals involved in the SCAPA program were present. The teleconference was called to order. During the previous SCAPA conference call, 23 emergency management professionals participated.

SCAPA PROGRAM TELECONFERENCE 08-03
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I. Administrative Matters

Carl Mazzola covered four administrative matters:

Previous Teleconference Highlights: The highlights from the 3/31/08 SCAPA Program Teleconference 08-02 has been issued and ORISE will be posting it on the EMI SIG/SCAPA website.

SCAPA Action Item Status: The latest updated SCAPA Program Action Item (AI) listing was reviewed. At the time of this teleconference, nine (9) action items still remain open. The progress of these AIs will be discussed during today's teleconference.

American Nuclear Society (ANS) Topical Meeting on Emergency Preparedness & Response (EP & R): The next ANS EP & R Topical Meeting will be held during the week of August 7, 2011 in Knoxville TN. Calendar placement will be obtained from ANS on July 14.

SCAPA Meeting Highlights: The highlights of the May 8, 2008 SCAPA meeting was reviewed. All five working groups sponsored presentations and EPA, NBACC, NIH, and DTRA representatives participated. During this one day meeting there were 21 presentations. The meeting report has been drafted and is under NA-41 review. It is targeted for release by the end of the July and will be posted to the web page soon after that.

III. SCAPA Working Group Activities

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

Cliff Glantz, Doug Craig, Ann-Marie Bond and Tom Tuccinardi reported on the activities associated with the PAC-TEELs:

AI 05-03: PAC-TEEL software SQA:

1. TEEL development procedure, various Quality Assurance (QA) procedures and configuration management plan development is continuing;
2. "TEELs Methods and Practice" handbook is out of Rev Com. No additional discussion;
3. TEEL methodology cookbook with step-by-step procedures continues to be developed. Even though piecemeal, major progress has been made, including the completion of the matrix of scenarios and how to create a PAC-TEEL;
4. A decision tree and scenarios have been developed;

SCAPA PROGRAM TELECONFERENCE 08-03
WEDNESDAY, JULY 9, 2008; 2:00 PM-3:00 PM EDT

5. Tabitha Townsend, an intern, is revising 750 older PAC-TEEL records and will be assisting in the update of the entire regulatory data base; and,
6. Ray Lux and an assistant, along with two computer specialists from ATL are working on developing the Excel macros into a computer code. **ACTIVITY PROCEEDING.**

AI 07-02: Doug Craig reported that due to the recent release of 16 new interim AEGLs, PAC-TEELs Revision 24, which will contain approximately 3,350 chemicals, will not be available until August 31, 2008. Po-Yung Lu has performed the QA and Cliff Glantz has provided formatting guidance on spreadsheet labeling and layout. **ACTIVITY PROCEEDING.**

B. Chemical Mixtures Working Group (Doug Craig, Chairman)

Rocky Petrocchi reported on the activities associated with the HCNs:

AI 05-03: HCN software SQA:

1. CMM Workbook and User's Guide has been updated;
2. Performance of additional Verification & Validation (V & V) work on the CMM continues to be addressed;
3. HCN development procedure has been completed; and,
4. Donna Trott and Xiao-Ying Yu have been trained to assist in the effort to work off the backlog of HCNs.

AI 06-15: Donna Trott and Xiao-Ying Yu have recently completed 160 of the 750 chemicals in the HCN backlog. Both have responded well to the training and have been able to make the required subjective judgments needed for HCN development. New software, SUBVERSION, is being used to assist simultaneous work on this project. **ACTIVITY PROCEEDING.**

AI 07-14: Doug Craig or Xiao Ying Yu will be taking the lead in developing the CMM/HCN technical paper and the HCN development procedure will provide the nucleus of this paper. Donna Trot, the new intern will assist Xiao Ying Yu. No additional discussion during this teleconference. **ACTIVITY PROCEEDING.**

AI 07-15: At a separate meeting, NA-41 indicated that a White paper on the impact of the CMM on upcoming DOE STD-1189 is not required. **ACTIVITY CAN BE CLOSED.**

SCAPA PROGRAM TELECONFERENCE 08-03
WEDNESDAY, JULY 9, 2008; 2:00 PM-3:00 PM EDT

C. Consequence Assessment Modeling Working Group (Cliff Glantz, Chairman)

Cliff Glantz reported on the CAMWG activities. He mentioned that Jeremy Rishel (PNNL) has accepted the responsibility of chairing the CAMWG. Jeremy was unavailable for this teleconference so Cliff reported for him.

AI 06-01: At an earlier teleconference, Cliff reported that the HOTSPOT code has been evaluated as a model for inclusion in the DOE/EH Central Registry Toolbox. The five critical actions of the gap analysis should be complete by September 30, 2008 and at that point, HOTSPOT will become the 8th toolbox model. A progress report on this activity was presented at the EMI SIG and SCAPA meetings and will be presented at the NARAC working group meeting.

At an earlier teleconference, Cliff also discussed the development of SQA Guidelines and consequence assessment modeling based on meeting DOE O 414.1C and DOE Guide 414.1-4, with an emphasis on configuration management, V & V, and preparation of a SQA Plan. A first draft, focused on safety software, is being reviewed by NA-41 (i.e., Steve Lockett) and after it is completed, it will be released to the DOE/NNSA emergency management community. Once the SQA procedures are available, the SQA work can move forward in earnest.

Cliff stated that SQA guidance has been drafted and an internal SCAPA review has been completed. A second draft will be available for a broader review by August 2008. He also mentioned that this guidance should be placed in the DOE Meteorological Coordinating Council (DMCC) Consequence Assessment Appraisal Guide, which is under preparation and being tracked by the DMCC program.

Cliff indicated that he presented a paper on SQA for meteorological monitoring software at the June 2008 Nuclear Utility Meteorological data User Group (NUMUG) meeting and received keen interest from the meteorologists associated with nuclear utility meteorological monitoring programs. **ACTIVITY PROCEEDING.**

SCAPA PROGRAM TELECONFERENCE 08-03
WEDNESDAY, JULY 9, 2008; 2:00 PM-3:00 PM EDT

D. Biosafety Working Group (Frank Roberto, Chairman)

Frank Roberto reported on the BWG activities.

AI 06-06: NA-41 requested BMG to address the transport and dispersion of biological agents/toxins released from DOE/NNSA biosafety facilities, which was left as an open subject in the Biosafety EMG. NA-41 indicated that there is a need to determine what models are available and appropriate for predictions, especially for laboratory-size source terms. In addition, NA-41 stated a need as to what are the limitations of the Gaussian models, and what other modeling tools are available or being developed. Lastly, because a level of severity will not likely be available for defining a PAC, there is a need to determine how the modeling results will be applied.

Frank indicated that BWG has been working this issue for the past couple of years and is making good progress. It will develop three recommendations, including using infectious dose (ID) as an estimate of severity. It has also looked at several indoor air quality and transport models (e.g., COMIS, CONTAM), and has developed a scenario for an office setting. The draft report will be discussed in the upcoming July 16, 2008 teleconference, and is targeted to be released for limited SCAPA review by July 31, 2008. **ACTIVITY PROCEEDING.**

08-01: During the BWG meeting in May 2008, an action item was opened to have BWG develop a White Paper to establish realistic scenarios for emergency response. Results from AI 06-06 will be integrated into this product. **ACTIVITY PROCEEDING.**

08-02: During the BWG meeting in May 2008, an action item was opened to request PAC-TEEL development of 11 biotoxins. This will be requested of the CEWG using the Request a TEEL form for inclusion in the PAC-TEEL Revision 25 effort. **ACTIVITY PROCEEDING.**

E. Source Term Working Group

Michele Wolfgram has accepted the role of STWG chairperson and mentioned that she will be setting up a teleconference in the near future, and requested participation to populate this working group.

IV. SCAPA Web Page and EMU Report

Tom Tuccinardi indicated the upcoming EMU on the Revision 24 PAC-TEELs has been prepared and will be issued soon after they are finalized.

Cliff Glantz discussed several updates to the SCAPA web page which includes several maintenance items, forms to request HCNs, posting all teleconference minutes and SCAPA meeting presentations.

SCAPA PROGRAM TELECONFERENCE 08-03
WEDNESDAY, JULY 9, 2008; 2:00 PM-3:00 PM EDT

V. EPA AEGLs Status

Po-Yung Lu reported on EPA/AEGL activities inclusive of its June 2008 meeting in Boston, MA. The next meeting will be in San Diego, CA in December 2008.

Carl Mazzola mentioned that Paul Tobin, EPA, who is leading the AEGL effort, presented at the SCAPA meeting and indicated that by the end of 2009, EPA will have essentially completed the AEGL development program.

VI. AIHA ERPGs Status

Richard Thomas was unavailable to report on the Emergency Response Planning (ERP) Committee activities.

VII. EPA PAGs Status

Gustavo Vazquez was unavailable to discuss the status on the PAGs.

Carl Mazzola indicated that Ed Tupin, EPA, spoke at the SCAPA meeting and reported on the status of the new EPA PAGs.

VIII. Round Robin

1. Frank Roberto mentioned that there will be a BWG teleconference on Wednesday, July 16, 2008.
2. Kevin Foster shared that a NARAC training session will be held in Livermore, CA on August 27-28, 2008, followed the next day by a NARAC User Group meeting.

IX. Next SCAPA Conference Call

The next SCAPA Conference call will be scheduled in September 2008.

X. Adjournment

The teleconference was adjourned at **3:00 p.m. EDT**. Carl thanked everyone for their time and their contributions.

SCAPA PROGRAM TELECONFERENCE 08-03
WEDNESDAY, JULY 9, 2008; 2:00 PM-3:00 PM EDT

XI. SCAPA Program Action Item (AI) Status

Based on the information exchange from this teleconference and the SCAPA Meeting, one AI was closed (AI 07-15), and no new AIs were opened, since the previous teleconference, making a total of 8 AIs that remain.

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.

Respectfully Submitted,

Carl Mazzola