

SCAPA PROGRAM TELECONFERENCE 08-05

TUESDAY, MARCH 3, 2009; 12:30 PM-1:30 PM EST

Teleconference 09-01 Participants

Maureen Alai	Lawrence Livermore National Laboratory (LLNL) National Atmospheric Release Advisory Center (NARAC)
Jayne-Ann Bond	Advanced Technology Laboratories (ATL)
Dave Freshwater	Office of Emergency Management & Policy (NA-41)
Gerry Gibeault	Idaho National Laboratory (INL)
Cliff Glantz	Pacific Northwest National Laboratory (PNNL)
Courtney Haggard	Washington Safety Management Solutions (WSMS) Mid-America
Jin Jamison	Science Applications International Corporation (SAIC)
April Jivelekas	WSMS Mid-America
Jeff Long	Oak Ridge National Laboratory (ORNL)
Po-Yung Lu	ORNL
Steve Lockett	NA-41
Greg Martin	SAIC
Carl Mazzola	Shaw Environmental
T. McDowell	Nevada Test Site (NTS)
Mike O’Keeffe	NTS
Rocky Petrocchi	URS
Phil Pfeiffer	INL
Bill Possidente	NS Tec
Jeremy Rishel	PNNL Hanford
Frank Roberto	INL
Brad Salmonson	INL
Joe Terranova	Brookhaven National Laboratory (BNL)
Richard Thomas	Intercet
Tom Tuccinardi	ATL
Kerry Ward	INL
Michele Wolfgram	WSMS Mid-America

Subcommittee on Consequence Assessment and Protective Actions (SCAPA) Teleconference 09-01 Highlights

I. Roll Call

Carl Mazzola conducted a roll call, noting that 26 emergency management professionals involved in various aspects of the SCAPA program were present. The teleconference was called to order. Thirty-one emergency management professionals participated in the previous SCAPA conference call.

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II. Administrative Matters

Carl Mazzola addressed three following matters:

Previous Teleconference Highlights: The highlights from the December 3, 2008, SCAPA Program Teleconference 08-05 has been approved and will be posted by Oak Ridge institute for Science and Education (ORISE) on the Emergency Management Issues Special Interest Group (EMI SIG)/SCAPA website.

SCAPA Action Item Status: The latest updated SCAPA Program Action Item (AI) listing was provided with the meeting agenda. At the time of this teleconference, five action items remained open. The progress of these AIs will be discussed during today's teleconference.

2009 SCAPA Meeting: Planning for the May 8, 2009 SCAPA Meeting in San Francisco, California has begun. Cliff Glantz and Carl Mazzola provided an overview of the planning and identified some of the guest speakers. Each participant was requested to provide the names of special speakers that could be invited to present (especially those near San Francisco) to either Cliff Glantz or Carl Mazzola no later than mid-March. **ACTIVITY PROCEEDING.**

III. SCAPA Working Group Activities

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

Cliff Glantz and other CEWG members reported on the recent activities associated with the CEWG:

AI 05-03: All Protective Action Criterion/Temporary Emergency Exposure Limit (PAC/TEEL) tasks associated with the Software Quality Assurance (SQA) of the PAC/TEEL software and program continue to move forward with various components either issued or in process of development. The following specific tasks were discussed:

1. Tom Tuccinardi shared that the PAC/TEEL cookbook was completed.
2. Cliff Glantz stated that the PAC/TEEL configuration management system using the Share Point software had run into a few snags, but is now working better.
3. Rocky Petrocchi opined that Revision 1 of the Chemical Mixture Methodology (CMM) workbook is now being prepared.

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4. Doug Craig indicated that the upgrade of the Excel Worksheet macros has been shelved until a central method to develop TEEL values is established. Ray Lux still needs to provide the list of macros. **ACTIVITY PROCEEDING.**

TEEL Update: Doug also stated that the effort to update the TEELs that were developed in the 1990s has been initiated. The TEEL update project will involve approximately 2500 of the 3354 chemicals. **ACTIVITY PROCEEDING.**

PAC/TEELs Revision 25: NA-41 continues to provide formal direction for the development of PAC/TEELs Revision 25 and the associated Health Code Numbers (HCNs). PAC/TEEL requests for chemicals for this revision are on hold including the biotoxins requested by the Biosafety Working Group (BWG) in AI 08-02 and a chemical from the Sandia National Laboratory (SNL). **ACTIVITY PROCEEDING.**

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

Rocky Petrocchi and other CMWG members reported on the recent activities associated with the CMWG:

AI 07-14: Xiao-Ying Yu has begun a literature search that will assist in the development of the CMM/HCN technical paper. She will soon be sending a one-page outline of the paper to SCAPA for its review. The goal is to have this paper complete and ready for publication in December 2009. **ACTIVITY PROCEEDING.**

HCN Update: Rocky stated that the effort to update the HCNs that were developed in the 1990s has also been initiated, involving approximately 2200 of the 3354 chemicals with HCNs. **ACTIVITY PROCEEDING.**

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

Jeremy Rishel and other CAMWG members reported on the recent CAMWG activities:

AI 06-01: Cliff Glantz discussed the development of the SQA Guidelines and consequence assessment modeling based on meeting the requirements of DOE O 414.1C *Quality Assurance* and DOE Guide 414.1-4 *Safety Software Guide for Use with 10 CFR 830, Subpart A, Quality Assurance Requirements, and DOE Order 414.1C Quality Assurance*, with an emphasis on configuration management, Verification & Validation (V&V) and preparation of an SQA Plan. A first draft, focusing on safety software, has been reviewed by working group members and Steve Luckett, NA-41. A later draft, which will also be addressing the SQA associated with meteorological data, will be submitted for SCAPA review at the EMI SIG Meeting. Upon completion it will be

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released to the DOE/NNSA emergency management community. **ACTIVITY PROCEEDING.**

Consequence Assessment Guide: Jeremy indicated that the draft Consequence Assessment Guide, developed for use by DMCC or NNSA/DOE meteorological program managers to conduct assessments of the meteorological components of a site's consequence assessment program, was reviewed by the CAMWG and comments were provided to the developer. This guide is now under NA-41 review and when issued, will complement the Meteorological Data Program Assessment Guide, which was made available to the DOE/NNSA emergency management community during the 2008 EMI SIG Meeting. **ACTIVITY PROCEEDING.**

Central Registry: Cliff is arranging a meeting with Subir Sen, who is now in charge of the DOE Office of Health, Safety & Security (DOE/HS) Central Registry, to discuss toolbox requirements, the SCAPA toolbox concept, HOTSPOT becoming the 8th model in the Central Registry, and other future model submissions to the registry. Maureen Alai mentioned that the tasks required to address the five critical recommendations in the November 2006 team review to allow HOTSPOT into the Central Registry are nearing completion. Cliff suggested that we have a closing meeting on this activity during the 2009 EMI SIG Meeting. **ACTIVITY PROCEEDING.**

D. Biosafety Working Group (BWG) (Frank Roberto, Chairman)

Frank Roberto reported on the recent BWG activities:

AI 06-06: The BWG has looked at several indoor air quality and transport models [e.g., Conjunction of Multizone Infiltration Specialists (COMIS), Multizone Airflow and Contaminant Transport Analysis Software (CONTAM)], and has developed a scenario for an office setting. The draft working group report on needs and current status is virtually complete and will be released for SCAPA review shortly. **ACTIVITY PROCEEDING.**

AI 08-01: The White Paper that addresses lessons learned regarding established realistic biosafety scenarios for emergency response is under development. It was decided to no longer track this as an action item as the BWG plans to finish the White Paper shortly and transmit it to NA-41. **ACTIVITY CAN BE CLOSED.**

NNSA/DOE Policy on High Containment Facilities: Frank mentioned that BWG continues to track the progress of the November 2008 Memorandum on the Notice of Intent to Develop a Policy for the Design, Construction, and Operation of Biological Research Laboratories Using Select Agents (EXEC-2008-011427). BWG will report back to NA-41, as appropriate. **ACTIVITY PROCEEDING.**

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E. Source Term Working Group (STWG) (Michele Wolfgram)

Michele Wolfgram stated that the STWG will be conducting a teleconference on March 17, 2009.

IV. SCAPA Web Page and Emergency Management Update (EMU) Report

Cliff Glantz discussed several recent updates to the SCAPA web page which include:

1. Preliminary information on the 2009 EMI SIG meeting including the hotel where the meeting will be held; and,
2. PAC/TEELs Revision 24 methods and practices.

V. Environmental Protection Agency/Acute Exposure Guideline Levels (EPA/AEGLs) Status

Po-Yung Lu reported on EPA/AEGL activities. He discussed the total number of AEGLs and when the next AEGL meeting will be held.

VI. American Industrial Hygiene Association/Emergency Response Planning Guideline (AIHA/ERPGs) Status

Richard Thomas reported on the Emergency Response Planning (ERP) Committee activities. Richard mentioned approximately eight new and seven revised ERPGs will soon be released by AIHA which will be integrated into the PAC-TEELs Revision 25 effort at the appropriate time. The ERP Committee plans to conduct a teleconference on March 12, 2009 and will have its next meeting in Salt Lake City, Utah on April 6-7, 2009.

VII. EPA Protective Action Guides(PAGs) Status

Gustavo Vazquez was unavailable to discuss the status on the Protective Action Guidelines (PAGs).

VIII. Round Robin

No items were discussed during the round robin portion of the teleconference.

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IX. Next SCAPA Conference Call

The next SCAPA Conference call (09-02) will take place on April 21, 2009.

X. Adjournment

The teleconference was adjourned at **2:51 p.m. EST**. Carl thanked everyone for their time and contributions.

XI. SCAPA Program Action Item (AI) Status

Based on the information exchanged during this teleconference, one AI was closed and no new AIs were opened, reducing the number of AIs to four. The updated AI 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 that are not closed are colored green;
- New AIs are colored yellow; and,
- AIs to be closed are colored blue.

It should be noted that administrative items and discussion items that do not involve action items are colored red and orange, respectively.