



SCAPA Source Term Working Group (STWG)

Highlights STWG Teleconference 11-02 March 9, 2011, 2:00 p.m. EST

Participants

Maureen Alai, LLNL NARAC	Mike O'Keeffe, NSTec/NNSS
Denny Armstrong, WSMS/SRS	Bill Possidente, NSTec/NTS
Wayne Davis, WSMS/SRS	Chuck Rives, B&W Pantex
Cliff Glantz, PNNL	Susan Vosburg, SNL
Aprill Jivelekas, URS Hanford	Michele Wolfgram, ORNL
Carl Mazzola, Shaw Environmental	

Roll Call

Cliff Glantz conducted a roll call. Eleven working group members participated in the teleconference.

Administrative Matters

Michele stated that the deposition references have been posted on the STWG website. Links to these references are provided on the Source Term information webpage (<http://orise.orau.gov/emi/scapa/working-groups/source-term/source-term-information.htm>).

Old Business

STWG AI 08-01 (Activity Continuing) DOE TRU Standard (Michele Wolfgram)

The FAQ regarding applicability of the DOE TRU Standard (DOE-STD-5506-2007) statistical Material At Risk (MAR) approach in Emergency Planning Hazards Assessments (EPHAs) is under revision, and the plan is send it out for review by the STWG and NA-41 by the end of this month. The goal is to have it issued prior to the EMI SIG Meeting.

STWG AI 09-03 (Activity Continuing) Respirable vs. Non-respirable Source Terms (Wayne Davis)

Wayne Davis continues to work on a recommendation paper discussing the use of non-respirable source terms to ensure that non-respirable dose impacts (e.g., ground shine) are being considered. The paper will be incorporating recent discussions regarding deposition velocities between DOE/HS-21 and the Defense Nuclear Facilities Safety Board. The main concern is

regarding releases of gamma-emitting radionuclides, where the dose is dependent on the combination of deposition velocity and respirable fraction. In these cases, what has previously been thought to be conservative (i.e., using a smaller deposition velocity) may not actually provide the most restrictive results. Wayne also mentioned that MACCS2 runs will be made to compare to earlier HOSPOT results. Wayne hopes to have the paper out for review by the end of March before the due date for submission of papers to the Energy Facility Contractor Group Safety Analysis Working Group.

STWG AI 09-05 (Activity Continuing) Dose Equivalent Curies (Dan Conners)

Dan Conners continues to work on a paper regarding the use of Dose Equivalent (DE) Curies to support emergency planning and plume modeling during real events. The paper has not yet gone to STWG for review. Dan was not available to provide an update.

New Business

Cliff mentioned that a draft SCAPA meeting agenda for the EMI SIG Annual Meeting will soon be posted. The SCAPA meeting will be on Monday afternoon, May 2, 2011 and will include a SCAPA STWG session. It will be preceded by the annual DOE Meteorology Coordinating Council (DMCC) and Hazards Assessments Subcommittee (HASC) meetings, which will run in parallel on Monday morning. In addition, a Joint SCAPA/DMCC/HASC session on dispersion modeling will be held late Monday morning.

The group discussed plans for the STWG meeting at the EMI SIG conference on May 3, 2011. Michele informed the group that Wayne Davis had agreed to give his presentation on respirable vs. non-respirable source terms during the meeting. Michele also stated that she would like Dan Conners to present on the topic of his paper as well, and she will contact him to find out if he is interested. Once the presentations are confirmed, Michele will send out a draft schedule for the meeting to the SCAPA STWG.

Next SCAPA STWG Meeting

The SCAPA STWG will meet at the EMI SIG conference on May 3, 2011. The next STWG teleconference is tentatively scheduled for **July 12, 2011 at 2:00 pm EDT**.

Adjournment

The meeting adjourned at **2:17 pm EST**. Michele thanked everyone for their time and contributions.