



Highlights
STWG Teleconference
November 11, 2009, 2:00 p.m. EST

Participants

Dennis Armstrong, WSMS
Cliff Glantz, PNNL
Steve Homann, LLNL/NARAC
Jim Jamison, SAIC
Aprill Jivelekas, WSMS Mid-America
Carl Mazzola, Shaw Environmental

Phil Pfeiffer, INL
Chuck Rives, B&W-Pantex
Brad Salmonson, INL
Kerry Ward, INL
Michele Wolfgram, ORNL

Roll Call

Michele Wolfgram conducted a roll call and acknowledged that 11 professionals were present and the teleconference was called to order.

Administrative Matters

None

Old Business

STWG AI 08-01: All comments are incorporated into Michele's paper on DOE TRU Standard (DOE-STD-5506-2007) and its potential applications to Emergency Planning Hazards Assessments (EPHAs), and the document is out for a final review. Comments are due on or before November 30, 2009, when Michele will issue the draft paper for NA-41 concurrence before posting on the website. **ACTIVITY CONTINUING.**

STWG AI 08-02: Jim Jamison asked if the non-radiological vs. radiological health effects issue is isolated to high-level tank waste EPHAs or if other sites are also addressing it. Denny Armstrong shared that Savannah River Site is addressing a similar situation with a different approach. Jim asked if he should address the issue through the non-dispersible chemical salts and the possibility of aerosolization downwind. Chuck Rives said chemical salts probably would not disperse unless released by an energetic event which makes anything dispersible. Carl Mazzola suggested a call to Mark Miller, NOAA Hazmat manager of the ALOHA code, to see how the code handles that phenomenology. Jim is developing a FAQ since the guide is silent on how to address this issue. He will seek STWG review on his draft. **ACTIVITY CONTINUING**

STWG AI 09-01: Earlier, Wayne Davis asked for comments on a document discussing how SRS handles criticality source terms and modeling. This information is posted on the listserv, but no comments are provided yet. Steve Homann mentioned that NARAC has information on additional radionuclides which may be helpful. Wayne was unavailable for this teleconference. The group was asked to review the document and send comments to Wayne or be prepared to discuss at the next teleconference. **ACTIVITY CONTINUING**

STWG AI 09-02: During an earlier teleconference, Wayne Davis volunteered to share a paper written on general ball-milled Pu-238 characteristics and how Savannah River Site handles the material. The issue revolves around the use of non-conservative Respirable Fractions (RFs) because the characteristics of the material are unusual and not widely known. Although Wayne was unavailable to update this action item, he e-mailed a paper to the STWG. Carl Mazzola indicated that the NASA works with Pu-238 in its Radioisotope Thermoelectric Generators on deep space probes and large payloads to Mars. Carl volunteered to ask his NASA counterparts on the 2011 Mars Science Laboratory launch, for information. The group will review Wayne's document and either send comments or be prepared to discuss at the next teleconference. **ACTIVITY CONTINUING**

STWG AI 09-03: During an earlier teleconference, Wayne Davis indicated that he would develop 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. Michele indicated that Wayne will present this at the May 2010 EMI SIG meeting. Michele stated that she would check with Wayne to see if he is willing to issue the draft in the spring for STWG peer review. **ACTIVITY CONTINUING**

STWG AI 09-04: During an earlier teleconference, Chuck Rives indicated that he was collecting information sources on Leak Protection Factor (LPF) which is quite sparse. Since DOE G 151.1-1 gives some flexibility in the determination of LPFs, more information on this topic would be useful. Denny Armstrong will follow up with Kevin O'Kula and the EFCOG Safety Analysis Working Group to determine if additional information is available. Michele will assist in this effort. The overall goal for this project is to compile all available information on LPFs into a living document which will be periodically updated. **ACTIVITY CONTINUING**

STWG AI 09-05: Brian Baumann's replacement, Dan Connors, has changed jobs. Cliff Glantz will seek someone else at Hanford to develop an objective statement on Dose Equivalent Curies and whether it is applicable to fission products and TRU. **ACTIVITY CONTINUING**

New Business

Jim Jamison plans to contact request information from the sites on which EPHAs and EALs for chemicals are based solely on TEELs.

Next SCAPA STWG Meeting

Michele Wolfgram indicated that next SCAPA STWG teleconference is scheduled for **January 13, 2010, at 2 pm EST.**

Adjournment

The meeting was adjourned at **2:47 p.m. EDT.** Michele thanked everyone for their time and contributions.