

**Safety Analysis Working Group (SAWG)
Steering Committee (SC) Teleconference Minutes
December 16, 2009**

Participants:

Tom Altenbach, LLNL	Belinda Niemi, WTP
Kevin Carroll, LLNL	Jim O'Brien, DOE HS-21
Dick Englehart, consultant	Kevin O'Kula, WSMS
Brad Evans, PNNL	Paula Ostby, consultant
John Farquharson, ABS	David Renfro, ORNL
Mukesh Gupta, WSMS	Kathy Rogers, Pantex
Jerry Hansen, WSMS	Bonnie Shapiro, SRNS
Jeff Harvey, CH2M-Idaho	John Schwenker, SRR
Rob McKeegan, ORNL	Andrew Vincent, SRNS
Mark Mitchell, LLNL	Bruce Wilson, Y-12

Minutes

1. Teleconference was led by Brad Evans, chair
2. The previously distributed minutes of the SAWG SC teleconference of Nov. 18, 2009 were approved without change.
3. EFCOG Semi-annual meeting – Rob McKeegan
 - a. The EFCOG Working Group reps presented highlights of their recent activities and plans for 2010 during the first day of the meeting. Our report for SAWG was based on the information assembled for the EFCOG annual report. The following day and half had a broad representation of notable speakers of importance to EFCOG interests as arranged by Pam Horning.
 - b. **ACTIONS:** update SAWG charter and follow through on generating a Best Practice. The charter update should be completed by the next semi-annual meeting (June 2010).
4. Safety Analysis Workshop – David Renfro
 - a. Bruce Wilson spoke to the need for abstract submittals (deadline for submittals with public release is January 14). David outlined the current Workshop status. Planned fees are \$400 registration (\$500 for late), \$250 for first-time attendees, and free for students. Registration expected to open by January 15. John Farquharson said 7 training courses were planned. Rob described the use of site posters for the Monday night reception. Work still to be done for speakers, panels, and sponsors. A flyer for students was suggested.
5. Path Forward on USQ Subgroup Draft Product
 - a. The expeditious work by the USQ team was recognized as a good effort in follow-through of the task understood from the Safety Basis Workshop, but there was a timing issue with the product. Jim O'Brien commended the effort but indicated that the thinking on DOE Guides was currently unsettled in DOE, and it was not an appropriate time to try to push through a new significant revision. Conclusion and issue of G 424.1-1B is still expected. Jim had received some input that the USQ process was burdensome without commensurate value to safety. SAWG's USQ process efforts are encouraged but as

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some vehicle other than a Guide revision (perhaps a whitepaper or Best Practice) that can be endorsed by parties in DOE in a timely manner. Mark Mitchell however noted that a concern from his group was that a whitepaper approach would not have robust protection for those that applied it. Mark also felt the current Guide was a problem in defending site USQ procedures in USQ assessments. Brad noted that SAWG should not be performing DOE work for production of DOE guidance but should concentrate on the intent of 830.203 in generating a SAWG recommended practice; then let DOE have that work as input for application, in whole, part, or not at all, as DOE sees fit. Dick Englehart made the observation that site inefficiencies seemed to him to be largely due to local procedures. Dick suggested a SAWG-produced model USQ process procedure. **ACTION** – Brad concluded by indicating a USQ team would be established to produce a USQ process whitepaper document to be provided to the SC for review.

6. DOE Input – Jim O'Brien

- a. DNFSB Recommendation 2008-1, Safety Fire Protection Design – the interim guidance has been sent forward for approval. This was a positive process for multiple groups working together to produce the guidance.
- b. DNFSB Recommendation 2009-1, Risk Assessment Methodologies – DOE starting to work on risk assessment methods with a working group. The initial exercise will be relative to the Hanford Waste Treatment Plant. The timing may be right for this to be a topic at the SAWG Workshop.

7. Subgroup Reports:

- a. USQ – refer to the USQ discussion above
- b. Training Liaison – no report, but it was noted that Bill Lapsansky was soliciting for a USQ training course time slot at the SAWG Workshop.
- c. Safety Basis – Bonnie Shapiro reported that Don Statile was now the chair and Belinda Niemi voted as vice-chair. The SB subgroup will be following the Recommendation 2009-1 activities.
- d. Hydrogen Safety – Jerry Hansen reported that 5 or 6 hydrogen safety papers were expected for the SAWG Workshop. The group will be holding a telecon later today. Guidance for addressing deflagration v. detonation guidance is one topic of the group. British experience is being pursued. Looking for Idaho and Sandia representatives.
- e. Criticality Safety – Kevin Carroll said that he would be presenting his group's plans to EM-21's upcoming Criticality Safety Workshop. A small team within his subgroup is planning to meet on January 26-28 in Las Vegas to draft work on two topics they are pursuing.
- f. Accident Analysis – Mukesh Gupta reported that his group would be initiating telecons beginning in January. They also planned to update their subgroup charter.

8. Next SC telecon – January 20, 2010.