

STD-1027 Revision Session
EFCOG SAWG Working Meeting
Albuquerque, January 07

Standard-1027 is being evaluated for revision at the request of the DNFSB. DOE has committed to evaluating the Standard relative to the DNFSB letter and other issues as identified in a response to the Board. A DOE Working Group, chaired by Jim O'Brien (DOE HS-22) has been assembled, including participation of several members of the EFCOG SAWG, to determine the need, benefit, and cost of specific changes to the Standard.

A session in the workshop provided the historical and technical bases of the issues, the status of work that has been initiated within the Working Group, and the potential resolution of issues. The session included presentations, questions, and discussions facilitated by Dr. O'Brien, and the 4 leads of the Working Group Subgroups. The primary issues have been divided into 4 general topics, "final hazard categorization", "criticality", "Threshold Quantities and methodology", and "Other", which includes segmentation, sealed sources, storage containers, etc. Several comments from workshop attendees were added to the Standard revision effort for evaluation, including the closure process, toxicological TQs, configuration management of assumptions in downgrades and non-nuclear facilities, in-growth of radionuclides, use of Resperable Fractions in Final HC, Category B reactors, revision of process flow diagram, downgrading from Cat. 2 to Radiological, use of and consistency with other STDs under revision, and many suggested inferred or listed definition changes.

All comments from the Workshop are being addressed. Although a response (report, Std revision, etc.) is anticipated in the near future, and many of the proposed changes appear to be technically acceptable and can be directly incorporated into the Standard, it is too early to assess how extensive some of the changes may be or when they could expect to be seen in formal review. Details of work performed to evaluate potential changes to the Standard are expected to be provided at the May EFCOG SAWG Workshop in Idaho Falls, independent of the status of the Standard revision.

DOE STD-1027 Working Group

- ◆ DOE Letter to DNFSB – intent to address all DNFSB issues - form Working Group – revise STD-1027
- ◆ EFCOG-SAWG Survey – 100% participation/support
- ◆ SAWG participation on Working Group
- ◆ Relative harmony in approach – user friendly document, realistically conservative, makes sense from both safety and cost/benefit

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Slide 2

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- ◆ **DOE Perspective** - Jim O'Brien, DOE HS-22
- ◆ **Subgroup 1** – Carol Sohn, DOE/SC-PNL
 - Final Hazard Categorization
- ◆ **Subgroup 2** – Larry Berg, DOE HQ/EM
 - Criticality Applicability
- ◆ **Subgroup 3** – Jim Goss, NNSA-OR
 - Threshold Quantities and Methodology
- ◆ **Subgroup 4** – Ken Keller, DOE HQ/NE-32
 - Other, Segmentation, Sealed Sources, etc.

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SAWG Winter Workshop – STD-1027

- ◆ Subgroup will have 35-40 Minutes
- ◆ Questions/comments after each Subgroup presentation
- ◆ Written comments, e-mail, etc. (carol.sohn@pnl.gov, larry.berg@emdoh.gov, gossie@yso.doe.gov, kenneth.kellar@hq.doe.gov)
- ◆ Presentations are a status report, much is not conclusive, nothing has been reviewed/approved.

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