

DOE Criticality Safety Support Group* (CSSG) Activities for CY-13 and CY-14

Fitz Trumble, Chair

* See US Department of Energy Nuclear Criticality Safety Program Website,
<http://ncsp.llnl.gov/cssgMain.html>

CSSG Membership

Member	Affiliation		Ex-Officio Member	Affiliation
Fitz Trumble, Chair	URS PS		Nichole Ellis	DOE-NA contractor
David Erickson, Dep. Chair	SRNS		Ivon Fergus	DOE-HSS
Adolf Garcia	DOE-ID		Mike Dunn	ORNL (NDAG chair)
David Hayes	LANL		Lori Scott	DOE-NA contractor
David Heinrichs	LLNL		Gladys Udentia	DOE-NA
Kevin Kimball	Y-12			
Tom McLaughlin	LANL (ret.)			
Jim Morman	ANL			
Mikey Brady-Rapp	PNNL			
Robert Wilson	DOE-EM			

CSSG Emeritus Members

Emeritus Member	Affiliation
Jerry McKamy	DOE-NA
Tom Reilly	URS PS (ret.)
Hans Toffer	Fluor Gov't Group (ret.)
Mike Westfall	ORNL (ret.)
Rick Anderson	LANL (ret.)
Davis Reed	ORNL (ret.)
Calvin Hopper	ORNL (ret.)

Scope of Activities

- Technical support to the NCSP manager in the execution of the NCSP including reviews for:
 - Activities or conditions that have potential for serious degradation of nuclear criticality safety at facilities
 - Nuclear facility designs where criticality accidents are a credible hazard
 - New or revised DOE Directives, Standards, and Guides related to criticality safety
 - Contractor nuclear criticality safety programs at DOE facilities in support of DOE Line Management
- Generally limited to addressing DOE complex-wide topics – not for one-of-a-kind site-specific issues
- Meet face-to-face at least twice a year to review NCSP objectives and activities

CSSG Taskings

- Completed Taskings
 - 2013-01 *CSSG Position on Use of Water for Firefighting in Light of Criticality Constraints for DOE Facilities*(completed February 2014)
 - 2013-03 *Standing Request by the NCSP Manager for CSSG SME Document Review* (ongoing, subtasks utilized as needed)
 - 2013-04 *CSSG Assessment of Y-12 NCS Operational Review and Evaluation Implementation Process* (completed October 2013)

CSSG Taskings

- Ongoing Taskings
 - 2014-01 *Criticality Safety Technical Assistance for Los Alamos* (in progress)
- Upcoming Taskings
 - TBD *Development of a Criticality Safety Chapter in Support of a Revision to the Pu Handbook*
 - TBD *Guidance on Validation When Using Limited Experimental Data*

CSSG Activities

- Support Tasks
 - CSSG members served on the DOE-STD-3009 crit safety subgroup writing team
 - Supported liaison with EFCOG Criticality Safety subgroup and held joint meeting with NCSP CSCT
 - Participated in NCSP Mission/Vision/Value update
 - Provided input to “Health of a Criticality Safety Program” Lines of Inquiry development for DOE/NNSA
- Meetings
 - Germantown MD, March 2013
 - Washington DC, August 2013
 - Washington DC, November 2013
- Drafted CSSG Strategic Plan Document

Details on CSSG Taskings and Responses

- Additional details including full texts of the taskings and responses are available at:

<http://ncsp.llnl.gov/cssgMain.html>

“tasking/responses”

- Questions