



# DOE Criticality Safety Support Group\* (CSSSG) Activities for CY-12 and CY-13

Fitz Trumble, Chair

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

**URS**

POWER INFRASTRUCTURE FEDERAL INDUSTRIAL & COMMERCIAL



# 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	Richard McKnight	ANL (NDAG chair)
David Hayes	LANL	Lori Scott	DOE-NA contractor
David Heinrichs	LLNL	Gladys Udentia	DOE-NA
Calvin Hopper	ORNL(ret.)		
Kevin Kimball	Y-12		
Tom McLaughlin	LANL (ret.)		
Jim Morman	ANL		
Mikey Brady-Raap	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.)



# 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 Directive, 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**

- 2011-06 Focused Criticality Safety Review at LANL Plutonium Facility PF-4 (completed April 2012)
- 2013-03-01 CSSG SME Document Review of DOE-STD-3009a-YR (completed March 2013)
- 2013-02 CSSG Assessment of Scope of Operations and Criticality Safety Staff Capacity and Review of LANL CAP and Metrics for Nuclear Criticality Safety Program (completed May 2013)



# CSSG Taskings

- **Ongoing Taskings**

- 2013-03 Standing Request by the NCSP Manager for CSSG SME Document Review
- 2013-01 CSSG Position on Use of Water for Firefighting in Light of Criticality Constraints for DOE Facilities



# CSSG Activities

- **Support Tasks**

- Provided prioritization of University Proposals to the NCSP Manager
- Supported the update to the NCSP Mission/Vision/Values document
- CSSG members served on the DOE-STD-3009 crit safety subgroup writing team
- Supported DOE Order 420.1C and DOE-STD-1020 revision

- **Meetings**

- Chicago in June 2012
  - Nominated/Elected new members
  - CSSG member performance review with NCSP Manager
- San Diego in November 2012 (joint meeting with CSCT)
  - Supported transition of Chair/Deputy Chair positions
- Germantown in March 2013
  - Completed 3009 comments
  - List of potential taskings for CY13
- Washington DC planned for August 2013



# Details on CSSG Taskings and Responses

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

<http://ncsp.llnl.gov/cssgMain.html> “tasking/responses”

- Questions

