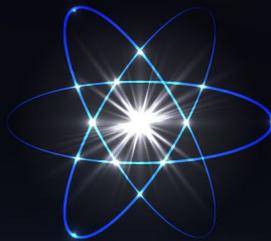




The DOE CSSG: 2021 the Year in Review

NCSP TPR
February 15-17, 2022
Virtual Meeting

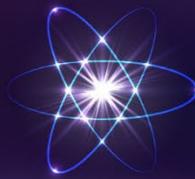


Presented by:
Michaele (Mikey) Brady
CSSG Deputy Chair



OUTLINE

- Mission
- Current Members
- 2021 - Accomplishments
- 2022 – A Look Ahead
- Conclusions



MISSION

- The primary function of the CSSG is to provide operational and technical expertise to the Department of Energy through the Nuclear Criticality Safety Program (NCSP) manager. The CSSG provides advice and technical support to help meet the criticality safety needs of DOE missions, including stockpile stewardship, materials stabilization, transportation, storage, facilities decommissioning, and waste disposal. The CSSG also makes recommendations for the implementation and execution of the coherent, efficient NCSP administered for the DOE by the National Nuclear Security Administration (NNSA).



Current Membership of the CSSG

Name	Organization	Name	Organization
David Hayes, Chair	LANL	Mikey Brady, Deputy Chair	PNNL (retired)
David Erickson	SRNS	Dave Heinrichs	LLNL
Jerry Hicks	NNSA (Retired)	Tom McLaughlin	LANL (Retired)
Jim Morman	ANL	Kevin Reynolds	Y-12 National Security Complex
Fitz Trumble	Amentum (Retired)	Robert Wilson	DOE-EM



2021 –Accomplishments

- Completed Taskings
 - 2021-01 CSSG Review of Draft Revision to DOE-STD-1134
 - 2021-02 CSSG Review of FY22 NCSP Proposals

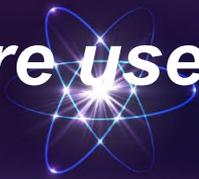
- Panel Presentation at the 2021 ANS Winter Meeting
 - Recommended safety philosophy for integrating nuclear criticality safety in the design of new facilities and significant modifications
 - Concerns about the need for a replacement for DOE-STD-1158 to assure adequate and consistent NCS Program assessments across the complex



2022 – A Look Ahead

- Current Taskings
 - ✓ 2022-01 CSSG Guidance to NNSA on Contract Transition Regarding Criticality Safety
- Plan to initiate a self-assessment of the CSSG
- Focus on improving the visibility and relevance of the CSSG

How can CSSG be more useful to the community?



- Training: Criticality Safety Officer Training, other needs?
- Additional Tools/Communication Venues:
 - Improve website by making the Taskings searchable, use of keywords for example?
 - Would NCSD members like to be on distribution for CSSG Taskings?
- Regulations: Issues/concerns with particular regulatory concerns that provide burden with questionable benefit?
- Specific challenges at sites that could benefit from CSSG experience and broad perspective?



Conclusions

- The CSSG is active and always seeking opportunities to assist.
- The CSSG is striving to be a strong, unified voice, bringing reason to and/or keeping reason in Criticality Safety.
- The CSSG is well positioned to continue their support role into the future.
- The CSSG welcomes your input/ideas:
 - dkhayes@lanl.gov
 - bradyraapm@ornl.gov; mikeybrady@aol.com
- <http://ncsp.llnl.gov/cssgMain.html>