

CSSG TASKING 2009-06
Date Issued: November 6, 2009

Task Title:

CSSG Review of the Technical Criticality Safety Basis for the Hanford Tank Farm

Task Statement:

At the request of the Office of River Protection Chief Engineer, James Wicks, the CSSG will perform a review of the technical criticality safety basis supporting construction of the Hanford Tank Farm. The criticality safety basis document is entitled; "Criticality Safety Evaluation for Hanford Tank Farms Facility," RPP-7475, Rev. 4, 2008.

- The CSSG Chair, in coordination with the ORP will identify a team of at least three members from the CSSG to perform the review under the direction and with the assistance and coordination of Dr. Robert Wilson.
- Documentation for the review is to be provided by the Office of River Protection.
- The structure, history, and content of the documents will be discussed with safety and project staff of the Tank Farm during a visit to the site of the proposed facility at the Hanford Site in Richland, Washington.
- The team will review the criticality documentation, and discuss the safety basis and analysis approach including the following:
 - Criticality Limit Derivation
 - Criticality Control Strategies
 - Development and Identification of Credible Abnormal Operating Conditions

Period of Performance:

The on-site review will take place during the first quarter of FY10.

Resources:

Funding for the contractor CSSG members will be provided by the ORP. DOE members of the team will be funded from their home organization.

Task Deliverables:

The team will forward a report on their conclusions and recommendations, if any, to the CSSG for concurrence. The CSSG chair will send the report to NCSP Manager who will review the report and forward it on to the Office of Environmental Management and the Office of River Protection. Email transmittal of the report to the NCSP Manager is preferred.

Task Due: The report of the review is due no later than February 1, 2010.