

CSSG TASKING 2007-04

Date Issued 4/10/07

Task Title: CSSG Review of Fluor-Hanford Draft Criticality Safety Evaluation Report

Task Statement: The assigned CSSG members (Hopper and Trumble) are requested to review a draft of CSER 07-004, "Storage and Handling of Waste Drums in the Solid Waste Operations Complex." The CSSG members are requested to focus their review on the following elements of the CSER:

- Assignment of fissile mass loadings to drums based on NDA data on approximately 25% of drums. Historically, fissile mass loading assignments were based on "acceptable knowledge" derived for waste receipt records and other sources known to Solid Waste Operations Complex (SWOC) (recommendation on approach);
- General model assumptions used in calculations for different drum storage configurations (level of conservatism); and
- Overall CSER strategy to demonstrate incredibility.

The CSSG members are requested to travel to Hanford the week starting April 16, 2007 and spend three days in communicating with appropriate SWOC and Criticality Safety staff. The CSSG members are requested to provide their preliminary observations by April 19, 2007, and follow up with a letter documenting their observations and recommendations by April 26, 2007. All time and travel costs for the two CSSG members for this task will be covered by Fluor-Hanford not the NCSP.

Task Deliverables:

1. Preliminary observations and recommendations provided to DOE RL and Fluor-Hanford (email and/or exit briefing before leaving site).
2. Written letter documenting final observations and recommendations to the NNSA NCSP Manager for subsequent forwarding to DOE RL.

Task Due Dates:

1. April 19, 2007
2. April 26, 2007