

CSSG TASKING 2017-01, Rev. 1

Date Issued: May 17, 2017

Task Title: *Review of EM Letter to the DNFSB resolving Criticality Safety issues at the Waste Treatment Plant*

Background:

Per Tasking 2016-03 the Criticality Safety Support Group (CSSG) performed and documented a review of the most recent criticality safety basis for the Waste Treatment Plant (WTP) being built at Hanford. The results of the CSSG review indicated there were still a number of opportunities to improve the WTP operational criticality safety posture.

On January 24, 2017 DOE EM sent a letter to the DNFSB (included as the Attachment to Rev. 0 of this Tasking) indicating issues previously identified by the Board related to the presence of heavy plutonium particulate (HPP) and the operation of the pulse jet mixers (PJMs) had been adequately addressed. Enclosure 2 of that letter addresses the DNFSB's specific criticality safety issues.

Task Statement (for Rev. 1):

Per the CSSG's discussion with the Office of River of Protection staff on April 18, 2017, some technical issues remain open and the letter to the DNFSB documents progress to date. As discussed with the CSSG, the ORP has determined that enough progress has been made to consider the issues "resolved" meaning that a path forward has been identified. It was acknowledged by ORP that the issues would not be "closed" until the final design and licensing is complete. The January 24, 2017 letter seeks DNFSB agreement to resume design work and safety basis development for the WTP Pretreatment Facility (PTF). The resumption of construction of the WTP PTF was not addressed.

The CSSG is tasked with reviewing the DOE EM letter and documenting any discrepancies between those conclusions and the CSSG Tasking 2016-03 report. The CSSG should specifically identify issues, if any, that the CSSG recommends be resolved prior to the resumption of facility design or of safety basis development.

The CSSG should pay close attention to issues relating to the use of ANS-8.10, ANS-8.14, and ANS-8.24 as presented in the CSSG Tasking 2016-03 report, and the conclusions documented in the DOE EM letter.

Resources:

CSSG Task 2017-01 Team Members:

Robert Wilson (Team Leader)

David Erickson

Michaele Brady Raap

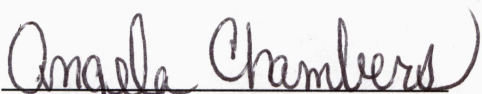
Contractor CSSG members of the team will use their NCSP CSSG support funding as appropriate; DOE CSSG members of the team will utilize support from their site offices.

Task Deliverables:

1. CSSG Subgroup to revise Rev. 0 Tasking Response by April 24, 2017.
2. CSSG Subgroup to provide a draft of the review documentation to full CSSG and to ORP for factual accuracy review: April 25, 2017
3. Full CSSG and ORP to provide review comments to Task Team Leader: May 2, 2017
4. CSSG team to issue final report to NCSP Manager: June 1, 2017

Task Completion Date: June 1, 2017

Signed:



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