

**REVIEWER WORK REQUEST
OFFICE OF NUCLEAR MATERIAL SAFETY AND SAFEGUARDS**

May 13, 2019

FROM: Jacob Zimmerman, Chief, Fuel Facility Licensing Branch (FFLB)
Division of Fuel Cycle Safety, Safeguards, and Environmental Review (FCSE)
NMSS

TO: Margie Kotzalas, Chief, Fuel Facility Licensing and Oversight Branch (FLOB)
Division of Fuel Cycle Safety, Safeguards, and Environmental Review (FCSE)
NMSS

PROJECT: University of Texas at Austin

DOCKET NO: 07000157

LICENSE NO: SNM-180

DOCUMENT DATE: April 22, 2019

ADAMS ACCESSION NO.: ML19116A057, ML19119A008 (Redacted)

CAC/DOCKET/EPID NO: A38003/L-2019-LLA-0099

REQUESTED ACTION: UT has submitted an amendment to remove fuel from storage (license only allows storage) in order to prepare fuel elements for shipping. DOE will ultimately be the entity to load and ship the material in a certified container. The fuel elements were shipped to UT in 6M type drum containers, which are no longer certified for use. The LAR describes the use of an alternative container, an ES-3100, which is certified compliant. The interior cavity of the container is smaller than the 6M, requiring modification of the elements to fit within. Also to be modified is a subcritical assembly made of polyethylene containing Uranium Dioxide which require modification for shipping. Please review the amendment request for Nuclear Criticality Safety issues. Determine if there are major deficiencies that make the submittal unacceptable for detailed review and prepare a recommendation to accept or deny (if required). Prepare Requests for Additional Information (RAI), if needed, and input for a Safety Evaluation Report. Evaluate any additional information submitted. Participate in meetings, conference calls, and site visits, if necessary.

RECEIVING BRANCH CHIEF – PLEASE COMPLETE AND RETURN IN 5 BUSINESS DAYS:

Technical Reviewer: Jeremy Munson

Estimated Staff Hours: 160 **BC Concurrence:** MLK

Requested Acceptance Review Date: 05/30/2019 **Proposed Target Date:** 5/30/19

Requested RAI Input Date: 06/30/2019 **Proposed Target Date:** 6/30/19

Requested SER Input Date: 08/09/2019 **Proposed Target Date:** 8/9/19

BC Concurrence: MLK

Contact: PM – Ty Naquin, 301-415-7352, NMSS/FCSE/FFLB