



McCLELLAN NUCLEAR RESEARCH CENTER

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**Document Control Desk**  
U.S. Nuclear Regulatory Commission  
1 White Flint North  
11555 Rockville Pike  
Rockville, MD 20852

**Subject: University of California Davis McClellan Nuclear Research Center (MNRC) Requested Changes to Facility License Renewal Application**

**Reference: Docket No. 50-607, Facility Operating License No. R-130**

Dear Regulators,

After consultation with the MNRC license holder, the Vice Chancellor for Research, it is requested that a number of changes be made to the facility's original license renewal application of 2018. These changes are conservative in terms of safe operations and are more strongly aligned with the anticipated facility mission for the term of the requested license renewal. The requested changes are as follows:

- 1) The new nominal steady-state operating power will be less than 2.0 MW (likely 1.0 MW).
- 2) The facility will not maintain the capability to place the reactor in a prompt critical state (i.e. pulse the reactor).
- 3) The facility will not maintain the capability to place energetic (i.e. explosive) materials in the reactor tank.

Given the substantial nature of these changes, the facility anticipates providing an Updated Final Safety Analysis Report (UFSAR) that addresses the NRC's requests for additional information and removes all references to 2.0 MW operations, pulsing, and the placing energetic materials in the reactor tank.

Please direct any questions or concerns to Dr. Wesley Frey, 916-614-6200 or wesfrey@ucdavis.edu.

Sincerely,

A handwritten signature in black ink that reads "Wesley Frey".

Wesley D. Frey PhD  
Director, McClellan Nuclear Research Center

cc: Linh Tran, U.S. NRC