



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

May 3, 2022

Dr. Prasant Mohapatra  
Vice Chancellor for Research  
Department of Computer Science  
University of California  
Davis, CA 95616

SUBJECT: REGENTS OF THE UNIVERSITY OF CALIFORNIA – REVIEW OF THE  
PHYSICAL SECURITY PLAN IN SUPPORT OF LICENSE RENEWAL  
APPLICATION FOR THE UNIVERSITY OF CALIFORNIA – DAVIS/MCCLELLAN  
NUCLEAR RESEARCH CENTER (EPID NO. L-2020-NFR-0002)


Dear Dr. Mohapatra:

By letter dated June 11, 2018 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML18179A501), the Regents of the University of California submitted a license renewal application (LRA) for a 20-year renewal of the Class 104c Facility Operating License No. R 130, Docket No. 50-607, for the University of California – Davis/McClellan Nuclear Research Center Training, Research, Isotope, General Atomics nuclear reactor. By letter dated July 6, 2020 (ADAMS Accession No. ML20188A368), the licensee updated its LRA to reflect its decision to reduce the licensed thermal operating power level from 2.3 megawatt thermal (MWt) to 1.0 MWt, and to eliminate pulsing capability and irradiation of explosive materials in the reactor tank. As part of the license renewal review, the U.S. Nuclear Regulatory Commission (NRC) staff reviewed the University of California – Davis (UCD) McClellan Nuclear Research Center (MNRC) physical security plan (PSP), dated January 25, 2021 (ADAMS Accession No. ML21029A147 (cover letter only)). By letter dated January 11, 2022 (ADAMS Accession No. ML22014A127 (cover letter only)), the licensee provided an updated version of the UCD/MNRC PSP titled "Physical Security Plan for The U.C. Davis/McClellan Nuclear Research Center".

Based on its review, the NRC staff has determined that the UCD/MNRC PSP, dated January 11, 2022, is in compliance with the applicable regulations contained in Title 10 of the *Code of Federal Regulations* Part 73, "Physical Protection of Plants and Materials," referenced in Regulatory Guide 5.59, "Standard Format and Content for a Licensee Physical Security Plan for the Protection of Special Nuclear Material of Moderate or Low Strategic Significance."

We request that UCD/MNRC continue to implement its approved UCD/MNRC PSP. If you have any questions regarding the NRC staff's review, please contact me at 301-415-0893, or via electronic mail at [Geoffrey.Wertz@nrc.gov](mailto:Geoffrey.Wertz@nrc.gov).

Sincerely,



Signed by Wertz, Geoffrey  
on 05/03/22

Geoffrey A. Wertz, Project Manager  
Non-Power Production and Utilization Facility  
Licensing Branch  
Division of Advanced Reactors and Non-Power  
Production and Utilization Facilities  
Office of Nuclear Reactor Regulation

Docket No. 50-607  
License No. R-130

cc: See next page

University of California-Davis/McClellan

Docket No. 50-607

cc:

David Reap, Radiation Safety Officer  
5335 Price Avenue, Bldg. 258  
McClellan, CA 95652-2504

California Energy Commission  
1516 Ninth Street, MS-34  
Sacramento, CA 95814

Radiologic Health Branch  
California Department of Public Health  
P.O. Box 997414, MS 7610  
Sacramento, CA 95899-7414

Test, Research and Training  
Reactor Newsletter  
Attention: Ms. Amber Johnson  
Dept of Materials Science and Engineering  
University of Maryland  
4418 Stadium Drive  
College Park, MD 20742-2115

Dr. Wesley D. Frey, Reactor Director  
McClellan Nuclear Research Center  
University of California, Davis  
5335 Price Avenue, Building 258  
McClellan, CA 95652-2504

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DATED: MAY 3, 2022

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**ADAMS Accession No. ML22109A104**

**NRR-058**

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