



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

May 21, 2018

Dr. Ayman I. Hawari, Director
Nuclear Reactor Program
Department of Nuclear Engineering
North Carolina State University
2500 Stinson Drive
Raleigh, NC 27695-7909

SUBJECT: NORTH CAROLINA STATE UNIVERSITY – REQUEST FOR ADDITIONAL INFORMATION RE: PHYSICAL SECURITY PLAN REVIEW FOR RENEWAL OF FACILITY OPERATING LICENSE R-120 FOR THE NORTH CAROLINA STATE UNIVERSITY PULSTAR RESEARCH REACTOR (EPID NO. L-2017-RNW-0026)

Dear Dr. Hawari:

The U.S. Nuclear Regulatory Commission (NRC) staff is continuing its review of the North Carolina State University (NCSU) PULSTAR Research Reactor license renewal application dated March 29, 2017 (Agencywide Documents Access and Management System Accession No. ML17201Q129). The license renewal review includes NRC staff's review of Revision 15 of the physical security plan (PSP) for the protection of special nuclear material for the NCSU PULSTAR Research Reactor, dated March 30, 2017, submitted under Title 10 of the *Code of Federal Regulations* (10 CFR) Part 73, "Physical Protection of Plants and Materials," and the additional security measures identified in the NCSU Compensatory Measures Implementation Plan, dated March 18, 2004, that were incorporated into the PSP as stated in the NCSU letter dated August 5, 2009. In the course of reviewing the NCSU PSP, the NRC staff has identified that additional information is needed to complete its review. It is requested that NCSU provide responses to the enclosed request for additional information within 60 days from the date of this letter.

In accordance with 10 CFR 50.30(b), "Oath or affirmation," NCSU must execute its response in a signed original document under oath or affirmation. The response must be submitted in accordance with 10 CFR 50.4, "Written communications." Information included in your response that is considered sensitive or proprietary, that you seek to have withheld from the public, must be marked in accordance with 10 CFR 2.390, "Public inspections, exemptions, requests for withholding." Any safeguards information included in your response should be submitted in accordance with 10 CFR 73.21, "Protection of Safeguards Information: Performance Requirements." Following receipt of the additional information, the NRC staff will continue its evaluation of the renewal request application.

Enclosure transmitted herewith contains Official Use Only - Security-Related Information. When separated from Enclosure, this transmittal document is decontrolled.

A. Hawari

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If you have any questions, or need additional time to respond to this request, contact me at (301) 415-3724, or by electronic mail at Duane.Hardesty@nrc.gov.

Sincerely,

/RA by Steven Lynch for/

Duane A. Hardesty, Senior Project Manager
Research and Test Reactors Licensing Branch
Division of Licensing Projects
Office of Nuclear Reactor Regulation

Docket No. 50-297
License No. R-120

Enclosure:
As stated

cc: w/o enclosure: See next page

North Carolina State University

Docket No. 50-297

cc:

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SUBJECT: NORTH CAROLINA STATE UNIVERSITY – REQUEST FOR ADDITIONAL INFORMATION RE: PHYSICAL SECURITY PLAN REVIEW FOR RENEWAL OF FACILITY OPERATING LICENSE R-120 FOR THE NORTH CAROLINA STATE UNIVERSITY PULSTAR RESEARCH REACTOR (EPID NO. L-2017-RNW-0026) DATED MAY 21, 2018

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ADAMS Accession No. ML18128A047 * concurrence via email **NRR-088**

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