



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

December 8, 2020

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

SUBJECT: NORTH CAROLINA STATE UNIVERSITY – U.S. NUCLEAR REGULATORY  
COMMISSION SECURITY INSPECTION REPORT NO. 05000297/2020202

Dear Dr. Hawari:

On August 31-September 2, 2020, the U.S. Nuclear Regulatory Commission (NRC) staff conducted a security inspection at your North Carolina State University PULSTAR Reactor. The inspection results were discussed with members of your staff on September 2, 2020. The enclosed report documents the inspection results.

The inspection examined activities conducted under your license as they relate to security and compliance with the NRC's rules and regulations and with the conditions of your license. The inspector reviewed selected procedures and records, observed activities, and interviewed personnel. Based on the results of this inspection, no findings of non-compliance were identified. No response to this letter is required.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) Section 2.390, "Public inspections, exemptions, requests for withholding," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the NRC's document system (Agencywide Documents Access and Management System (ADAMS)). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room). However, because of the security-related items contained in the enclosure, and in accordance with 10 CFR 2.390(d), a copy of this letter's enclosure will not be available for public inspection.

|  |
|--|
| NOTE: Document transmitted herewith contains security-related information. When separated from the enclosure, this document is decontrolled. |
|--|

A. Hawari

2

Should you have any questions concerning this inspection, please contact Mr. Phil O'Bryan at (301) 415-0266, or electronic mail at [Phil.O'Bryan@nrc.gov](mailto:Phil.O'Bryan@nrc.gov).

Sincerely,

*/RA/*

Travis L. Tate, Chief  
Non-Power Production and Utilization  
Facility Oversight Branch  
Division of Advanced Reactors and Non-Power  
Production and Utilization Facilities  
Office of Nuclear Reactor Regulation

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

Enclosure:  
As stated

cc: See next page

North Carolina State University

Docket No. 50-297

cc:

Department of Government Affairs  
2001 Mail Service Center  
Raleigh, NC 27699-2001

Dr. Kostadin Ivanov, Head  
Department of Nuclear Engineering  
North Carolina State University  
Campus Box 7909  
Raleigh, NC 27695-7909

W. Lee Cox, Section Chief  
Department of Health and Human Services  
Division of Health Service Regulation  
Radiation Protection Section  
1645 Mail Service Center  
Raleigh, NC 27699-1645

Dr. Louis Martin-Vega, Dean  
College of Engineering  
North Carolina State University  
113 Page Hall  
Campus Box 7901  
Raleigh, NC 27695-7901

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

A. Hawari

3

SUBJECT: NORTH CAROLINA STATE UNIVERSITY – U.S. NUCLEAR REGULATORY  
COMMISSION SECURITY INSPECTION REPORT NO. 05000297/2020202  
DATED: DECEMBER 8, 2020

**DISTRIBUTION:**

PUBLIC

TTate, NRR

EHelvenston, NRR

BSmith, NRR

GCasto, NRR

DHardesty, NRR

PO'Bryan, NRR

NParker, NRR

**ADAMS Accession No.: ML20252A230 Package \*concurrence via e-mail NRC-002**

|        |                   |                   |                   |
|--------|-------------------|-------------------|-------------------|
| OFFICE | NRR/DANU/UNPO/RI* | NRR/DANU/UNPO/LA* | NRR/DANU/UNPO/BC* |
| NAME   | PO'Bryan          | NParker           | TTate             |
| DATE   | 9/ /2020          | 9/14/2020         | 12/8/2020         |

**OFFICIAL RECORD COPY**