

March 24, 2020

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC

**SUBJECT UPDATED TECHNICAL SPECIFICATIONS FOR LICENSE RENEWAL
APPLICATION FOR FACILITY OPERATING LICENSE R-120 FOR THE
NORTH CAROLINA STATE UNIVERSITY PULSTAR RESEARCH REACTOR
(EPID NO. L-2017-RNW-0026)**

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

Please find enclosed the updated Technical Specifications for the License Renewal Application (EPID NO. L-2017-RNW-0026). The updated Technical Specifications incorporates discussions during the November 2019 NRC site audit. Also included in the submittal are SAR Reference 7-4, *Reactor Thermal Power and SCRAM Setpoint Determination* and the updated Safety Analysis in Support of Fueled Experiments for the NCSU PULSTAR Reactor.

If you have any questions regarding this submittal or require additional information, please contact Andrew Cook at (919) 515-4602 or atcook@ncsu.edu.

I declare under penalty of perjury that the forgoing is true and correct. Executed on 24 March 2020.

Sincerely,



Ayman I. Hawari, Ph.D.
Director, Nuclear Reactor Program
North Carolina State University

Enclosures:

Attachment 1 – NCSU Technical Specifications Draft Rev 2
Attachment 2 – Reactor Thermal Power and SCRAM Setpoint Determination
Attachment 3 – Safety Analysis in Support of Fueled Experiments for the NCSU PULSTAR Reactor