



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

March 30, 2020

Dr. Wei Ji, Facility Director  
Rensselaer Polytechnic Institute  
JEC Room 5040  
110 8th Street  
Troy, NY 12180-3590

SUBJECT: RENSSELAER POLYTECHNIC INSTITUTE - REVIEW OF REVISED  
EMERGENCY PLAN FOR THE RENEWED FACILITY OPERATING LICENSE  
NO. CX-22 (EPID: L-2019-LLA-0255)

Dear Dr. Ji:

By letter dated July 11, 2019 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML19203A112), the Rensselaer Polytechnic Institute (RPI) Critical Experiments Facility (RCF) submitted changes to its emergency plan (EP) under the provisions of Section 50.54(q), "Emergency plans," of Title 10 of the *Code of Federal Regulations* (10 CFR). The revision reflects format and layout changes, updated information on the access road and physical address of the facility, and terminology corrections. In addition, the revised RCF EP corrects the previous version that defined emergency classification levels differently from the U.S. Nuclear Regulatory Commission (NRC) standard terminology and omitted a table of emergency action levels.

The NRC staff has completed its review of the RPI's revised EP and concludes that it complies with 10 CFR Section 50.34, "Contents of applications; technical information," paragraph (b)(6)(v), and is consistent with the following applicable guidance:

- Regulatory Guide 2.6, Revision 2, "Emergency Planning for Research and Test Reactors and other Non-Power Production and Utilization Facilities," issued September 2017 (ADAMS Accession No. ML17263A472),
- American National Standards Institute/American Nuclear Society-15.16-2015, "Emergency Planning for Research Reactors," and
- NUREG-0849, "Standard Review Plan for the Review and Evaluation of Emergency Plans for Research and Test Reactors," issued October 1983 (ADAMS Accession No. ML062190191).

We request that RPI continue to implement its approved EP. If you have any questions regarding the NRC staff's review, please contact me at (301) 415-1404, or by electronic mail at [Xiaosong.Yin@nrc.gov](mailto:Xiaosong.Yin@nrc.gov).

Sincerely,

*/RA/*

Xiaosong Yin, 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. 50-225  
License No. CX-22

cc: See next page

cc:

Mayor of the City of Schenectady  
Schenectady City Hall  
105 Jay St.  
Schenectady, NY 12305

Dr. Shekhar Garde  
Dean, School of Engineering  
Rensselaer Polytechnic Institute  
110 8<sup>th</sup> Street  
Troy, NY 12180-3590

Reactor Operations Supervisor  
Rensselaer Polytechnic Institute  
JEC Room 2049  
Department of Mechanical Aerospace  
and Nuclear Engineering  
110 8<sup>th</sup> Street  
Troy, NY 12180-3590

Chief, Radiation Section  
Division of Environmental Remediation  
NY State Dept. of Environmental  
Conservation  
625 Broadway  
Albany, NY 12233-7255

Radiation Safety Officer  
Rensselaer Polytechnic Institute  
21 Union Street  
Gurley Building 2nd Floor  
Troy, NY 12180

RCF Supervisor  
Rensselaer Polytechnic Institute  
NES Building, Room 1-10,  
MANE Department  
110 8<sup>th</sup> St.  
Troy, NY 12180

Annette Chism, Director EH&S  
Rensselaer Polytechnic Institute  
21 Union Street  
Gurley Building 2nd Floor  
Troy, NY 12180

State Liaison Officer Designee  
Senior Project Manager  
Radioactive Waste Policy and Nuclear  
Coordination  
New York State Energy Research &  
Development Authority  
17 Columbia Circle  
Albany, NY 12203-6399

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

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**ADAMS Accession No. ML20076B853****\*concurrence via e-mail****NRR-106**

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