



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.

Sincerely,

/RA/

Xiaosong Yin, Project Manager
Non-Power Production and Utilization Facility
Licensing Branch
Division of Advanced Reactors and Non-Power
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Office of Nuclear Reactor Regulation

Docket No. 50-225
License No. CX-22

cc: See next page

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

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