



RCF 23-02  
June 5, 2023

ATTN: Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

Re: Operations Report for the Rensselaer Polytechnic Institute Reactor Critical Facility, NRC License CX-22, Docket Number 50-225.

To Whom It May Concern:

This document constitutes an update for the calendar year (CY) 2022 Operations Report of the Rensselaer Polytechnic Institute (RPI) Reactor Critical Facility (RCF) that was submitted to the USNRC, and to Rensselaer management on February 28, 2023.

The update is only for operational items 10 and 11 in the previous submission, and is detailed below:

- 10. Environmental monitor dosimetry is performed at the exclusion area fence (EM1 through EM4), and at the site boundary fence (EM5 and EM6). The environmental monitoring results are reported without background subtraction, and the accumulated dose to an off-site control monitor is reported separately. The sum of the quarterly control readings from 2022 was 103 mrem. The sums of the gross readings and net dose results for 2022 are:

	Gross [mrem]	Net [mrem]
EM1	103	0
EM2	99	0
EM3	94	0
EM4	89	0
EM5	92	0
EM6	102	0

- 11. Facility personnel exposures were all less than 10 mrem (the minimum detectable exposure) for quarter four of CY 2022. The total measured dose to personnel was



# Rensselaer

DEPARTMENT OF MECHANICAL,  
AEROSPACE, AND NUCLEAR ENGINEERING

15 mrem for one individual as noted in the previously submitted RCF 23-01 report (dated on February 28, 2023).

Sincerely,

A handwritten signature in black ink, appearing to read "Wei Ji".

Dr. Wei Ji, Facility Director  
School of Engineering  
Rensselaer Polytechnic Institute

cc:

Dr. Shekhar Garde, Dean, School of Engineering

Dr. Antoinette Maniatty, Head, Department of Mechanical, Aerospace, and Nuclear Engineering

Dr. Hyun Kang, NSRB Chair

Ms. Jen Kazmierczak, Director, Environmental, Health, Safety and Risk Management

Ms. Ginger Carvalho, RPI Radiation Safety Officer

Dr. Peter Kowal, Reactor Critical Facility (RCF) Operations Supervisor