

October 25, 2012

Dr. Sastry R. Sreepada, Director  
JEC Room 2032  
Department of Mechanical Aerospace and Nuclear Engineering  
Rensselaer Polytechnic Institute  
110 8th Street  
Troy, NY 12181

SUBJECT: RENSSELAER POLYTECHNIC INSTITUTE - NRC SECURITY INSPECTION  
REPORT NO. 50-225/2012-202 AND NOTICE OF VIOLATION

Dear Dr. Sreepada:

This refers to an inspection conducted from September 11 to 14, 2012, at the Reactor Critical Facility (Inspection Report No. 50-225/2012-202). The inspection included a review of activities authorized for your facility. The enclosed report presents the results of the inspection, which were discussed with you and members of your staff at a meeting held on September 26, 2012.

This inspection examined activities conducted under your license as they relate to public health and safety and the common defense and security, and to confirm compliance with U.S. Nuclear Regulatory Commission (NRC) rules and regulations, orders, and with the conditions of your license. Within these areas, the inspection consisted of selected examination of procedures and representative records, observations of activities, and interviews with personnel.

Based on the results of this inspection, the NRC has determined that a Severity Level IV violation of NRC requirements occurred. The violation was evaluated in accordance with the NRC's Enforcement Policy. The Enforcement Policy is included on the NRC's Web site at <http://www.nrc.gov/about-nrc/regulatory/enforcement/enforce-pol.html>. The violation is cited in the enclosed Notice of Violation (Notice) and the circumstances surrounding it are described in detail in the subject inspection report. The violation is being cited in the Notice because it constitutes a failure to meet regulatory requirements that has more than minor safety significance and it was identified by the NRC.

You are required to respond to this letter and should follow the instructions specified in the enclosed Notice when preparing your response. If you have additional information that you believe the NRC should consider, you may provide it in your response to the Notice. The NRC review of your response to the Notice will also determine whether further enforcement action is necessary to ensure compliance with regulatory requirements.

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S. Sreepada

- 2 -

Because this issue involves security-related information, your response will not be made available electronically for public inspection in the NRC Public Document Room or from the NRC's document system, accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>. If safeguards information is necessary to provide an acceptable response, please provide the level of protection described in Title 10 of the *Code of Federal Regulations* (10 CFR) Section 73.21. Otherwise, mark your entire response as containing security-related information in accordance with 10 CFR 2.390(d)(1) and follow the instructions for withholding in 10 CFR 2.390(b)(1). In accordance with 10 CFR 2.390(b)(1)(ii), the NRC is waiving the affidavit requirements of your response.

Should you have any questions concerning this inspection, please contact Taylor Lichatz at 301-415-7128 or by email at [Taylor.Lichatz@nrc.gov](mailto:Taylor.Lichatz@nrc.gov).

Sincerely,

**/RA/**

Gregory T. Bowman, Chief  
Research and Test Reactors Oversight Branch  
Division of Policy and Rulemaking  
Office of Nuclear Reactor Regulation

Docket No. 50-225

License No. CX-22

Enclosures: Inspection Report No. 50-225/2012-202  
Notice of Violation

cc w/o encls: See next page

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Rensselaer Polytechnic Institute

Docket No. 50-225

cc:

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Director, Bureau of Environmental  
Radiation Protection  
New York State Department of Health  
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Troy, NY 12180-2216

Test, Research and Training Reactor  
Newsletter  
Director of Nuclear Facilities  
University of Florida  
202 Nuclear Science Center  
Gainesville, FL 32611-8300

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S. Sreepada

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Sincerely,

**/RA/**

Gregory T. Bowman, Chief  
Research and Test Reactors Oversight Branch  
Division of Policy and Rulemaking  
Office of Nuclear Reactor Regulation

Docket No. 50-225

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Accession Number: PKG: ML12289A008, Ltr ML12289A009, IR & NOV ML12289A010 TEMPLATE #: NRC-002

OFFICE	PROB:RI	PROB:LA	PROB:BC
NAME	TLichatz	GLappert	GBowman
DATE	10/16/2012	10/16/2012	10/25/2012

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