

Leah H. Jamieson  
*The John A. Edwardson Dean of Engineering*  
*Ransburg Distinguished Professor*  
*of Electrical & Computer Engineering*

August 6, 2013

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

**RE: License R-87, Docket 50-182 Reply to Notice of Violation**

Document Control Desk,

This letter and attachment are in response to the NRC inspection of the Purdue University Reactor (R-87) conducted from June 10-13, 2013. The inspection resulted in a Severity Level IV violation (Section 6.1). The response to the violation is contained on the attached document.

Please let me know if you have any questions.

Sincerely,



Leah H Jamieson  
The John A. Edwardson Dean of Engineering  
Ransburg Distinguished Professor of Electrical and Computer Engineering

Attachment



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## **RE: License R-87, Docket 50-182   Reply to Notice of Violation**

This letter is in response to the NRC inspection of the Purdue University Reactor (R-87) conducted from June 10-13, 2013. The inspection resulted in a Severity Level IV violation (Section 6.1). Below is the response to that violation:

### Violation

Technical Specification 4.4.d requires that representative fuel assemblies shall be inspected annually, with no interval to exceed 15 months.

Contrary to Technical Specifications 4.4.d, the licensee failed to inspect representative fuel assemblies annually, with no interval exceeding 15 months. Specifically, the licensee failed to inspect representative fuel assemblies during calendar year 2012 and had not conducted a fuel inspection through June 13, 2013, a period in excess of the maximum of 15 months allowed.

### Response

The failure to perform this required surveillance was an oversight on our part. This surveillance was completed in accordance with the technical specifications on July 18, 2013 and the results of the fuel inspection were satisfactory.

The following corrective actions will be implemented immediately to prevent a recurrence:

1. Surveillances required by the technical specifications will be performed by the Radiation Safety Officer or Health Physicist during the interim period (vacancy of the facility director).
2. The technical specifications will be reviewed by the new facility director, reactor supervisor, and reactor operator(s) upon hire.
3. The annual audit of the technical specifications will continue to occur. Any surveillance deficiencies identified will be reported to the Committee on Reactor Operations (CORO) and the Dean of the College of Engineering.

We believe that the above corrective actions are adequate to address the violation identified and maintain compliance with other technical specifications. Please direct any questions to my attention.