

December 23, 2015

Dr. Robert Bean, Director  
Purdue University Radiation Laboratory  
School of Nuclear Engineering  
400 Central Drive  
West Lafayette, IN 47904-2017

SUBJECT: PURDUE UNIVERSITY RESEARCH REACTOR - REQUEST FOR ADDITIONAL  
INFORMATION RE: PHYSICAL SECURITY PLAN REVIEW FOR LICENSE  
RENEWAL (TAC NO. ME1594)

Dear Dr. Bean:

The U.S. Nuclear Regulatory Commission (NRC) is continuing its review of your application for the renewal of Facility Operating License No. R-87, dated July 7, 2008, (Agencywide Documents Access and Management System (ADAMS) Accession No. ML083040443), as supplemented, for the Purdue University Research Reactor (Purdue). The license renewal review includes an NRC staff review of the Purdue Physical Security Plan (PSP), Revision 4, dated October 21, 2000, for compliance with the regulations contained in Title 10 of the *Code of Federal Regulations* (10 CFR) Part 73, "Physical Protection of Plants and Materials." During our review, questions have arisen for which additional information is needed. Please provide responses to the enclosed request for additional information (RAI) within 30 days from the date of this letter.

In accordance with 10 CFR 50.30(b), you must execute your response in a signed, original document under oath or affirmation. Your response must be submitted in accordance with 10 CFR 50.4, "Written communications." Information included in your response that is considered sensitive or proprietary, that you seek to have withheld from the public, must be marked in accordance with 10 CFR 2.390, "Public inspections, exemptions, requests for withholding." Any information related to security should be submitted in accordance with 10 CFR 73.21, "Protection of Safeguards Information: Performance Requirements." Following receipt of the additional information, we will continue our evaluation of your renewal request.

<p><b>NOTE: Enclosure Transmitted Herewith Contains Security-Related Information. When Separated from Enclosure, this Document is DECONTROLLED.</b></p>
---

~~OFFICIAL USE ONLY – SECURITY RELATED INFORMATION~~

R. Bean

- 2 -

If you have any questions, or need additional time to respond to this request, contact me at (301) 415-3398 or by electronic mail at [Cindy.Montgomery@nrc.gov](mailto:Cindy.Montgomery@nrc.gov).

Sincerely,

*/RA/*

Cindy Montgomery, Project Manager  
Research and Test Reactors Licensing Branch  
Division of Policy and Rulemaking  
Office of Nuclear Reactor Regulation

Docket No. 50-182

Enclosure:  
As stated

cc: w/o enclosure: See next page

~~OFFICIAL USE ONLY – SECURITY RELATED INFORMATION~~

~~OFFICIAL USE ONLY – SECURITY RELATED INFORMATION~~

Purdue University

Docket No. 50-182

cc:

Leah Jamieson, Dean of Engineering  
Purdue University  
School of Nuclear Engineering  
400 Central Drive  
West Lafayette, IN 47907

Mayor  
City of West Lafayette  
609 W. Navajo  
West Lafayette, IN 47906

John H. Ruyack, Manager  
Epidemiology Res Center/Indoor & Radiological Health  
Indiana Department of Health  
2525 N. Shadeland Avenue, Suite E3  
Indianapolis, IN 46219

Howard W. Cundiff, P.E., Director  
Consumer Protection  
Indiana State Department of Health  
2 North Meridian Street, Suite 5D  
Indianapolis, IN 46204

Clive Townsend, Reactor Supervisor  
Purdue University  
School of Nuclear Engineering  
400 Central Drive  
West Lafayette, IN 47907

Test, Research, and Training  
Reactor Newsletter  
University of Florida  
202 Nuclear Sciences Center  
Gainesville, FL 32611

~~OFFICIAL USE ONLY – SECURITY RELATED INFORMATION~~

~~OFFICIAL USE ONLY – SECURITY RELATED INFORMATION~~

R. Bean

- 2 -

If you have any questions, or need additional time to respond to this request, contact me at (301) 415-3398 or by electronic mail at [Cindy.Montgomery@nrc.gov](mailto:Cindy.Montgomery@nrc.gov).

Sincerely,

**/RA/**

Cindy Montgomery, Project Manager  
Research and Test Reactors Licensing Branch  
Division of Policy and Rulemaking  
Office of Nuclear Reactor Regulation

Docket No. 50-182

Enclosure:  
As stated

cc: w/o enclosure: See next page

**DISTRIBUTION:**

PUBLIC	PRLB R/F	EReed, NRR	RidsNrrDprPrtb Resource
CMontgomery, NRR	AAdams, NRR	RidsNrrDpr Resource	
AMendiola, NRR	NParker, NRR	RidsNrrDprPrta Resource	

**ADAMS Accession Nos.: Pkg.: ML15349B045; Letter: ML15349B043; RAIs: ML15349B044;**  
**\*concurrence via e-mail** **NRR-088**

OFFICE	DPR/PRLB/PM	DPR/PROB/PM	DPR/PROB/LA*	DPR/PROB/BC	DPR/PRLB/BC	DPR/PRLB/PM
NAME	CMontgomery	(MTakacs for) EReed	NParker	AMendiola	AAdams	CMontgomery
DATE	12/16/2015	12/18/2015	12/16/2015	12/23/2015	12/21/2015	12/23/2015

**OFFICIAL RECORD COPY**