

September 3, 2015

Kelly A. Jordan, Ph.D., Director  
University of Florida Training Reactor  
University of Florida  
340 Weil Hall  
P.O. Box 116134  
Gainesville FL 32611-6400

SUBJECT: UNIVERSITY OF FLORIDA TRAINING REACTOR - REQUEST FOR  
ADDITIONAL INFORMATION REGARDING AMENDMENT 27 TO FACILITY  
OPERATING LICENSE R-56 (TAC NO. ME3482)

Dear Dr. Jordan:

The U.S. Nuclear Regulatory Commission is continuing our review of your amendment request for Facility Operating License No. R-56 for the University of Florida Training Reactor, which you submitted on February 29, 2012 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML12061A271), and supplemented on July 26 (ADAMS Accession No. ML12216A152) and August 31, 2012 (ADAMS Accession No. ML12256A957); September 3, 2014 (ADAMS Accession No. ML14255A378); and April 7, 2015 (ADAMS Accession No. ML15112B177). During our review of your amendment request, questions have arisen for which we require additional information and clarification. Please provide responses to the enclosed request for additional information within 30 days of the date of this letter.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) Section 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."

K. Jordan

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Following receipt of the additional information, we will continue our evaluation of your renewal request. If you have any questions regarding this review, please contact me at 301-415-3724 or [Duane.Hardesty@nrc.gov](mailto:Duane.Hardesty@nrc.gov).

Sincerely,

**/RA/**

Duane A. Hardesty, Sr. Project Manager  
Research and Test Reactors Licensing Branch  
Division of Policy and Rulemaking  
Office of Nuclear Reactor Regulation

Docket No. 50-83  
License No. R-56

Enclosure:  
Request for Additional Information

cc: See next page

K. Jordan

- 2 -

Following receipt of the additional information, we will continue our evaluation of your renewal request. If you have any questions regarding this review, please contact me at 301-415-3724 or [Duane.Hardesty@nrc.gov](mailto:Duane.Hardesty@nrc.gov).

Sincerely,

/RA/

Duane A. Hardesty, Sr. Project Manager  
Research and Test Reactors Licensing Branch  
Division of Policy and Rulemaking  
Office of Nuclear Reactor Regulation

Docket No. 50-83  
License No. R-56

Enclosure:  
Request for Additional Information

cc: See next page

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DHardesty, NRR  
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**ADAMS Accession No: ML15245A562**

**NRR-088**

OFFICE	PRLB: PM	PRLB: LA	PRLB: BC	PRLB: PM
NAME	DHardesty	ELee	AADAMS	DHardesty
DATE	9/03/2015	9/03/2015	9/03/2015	9/03/2015

**OFFICIAL RECORD COPY**

University of Florida

Docket No. 50-83

cc:

Administrator  
Department of Environmental Regulation  
Power Plant of Siting Section  
State of Florida  
2600 Blair Stone Road  
Tallahassee, FL 32301

State Planning and Development Clearinghouse  
Office of Planning and Budgeting  
Executive Office of the Governor  
The Capitol Building  
Tallahassee, FL 32301

Chief, Bureau of Radiation Control  
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Test, Research and Training Reactor Newsletter  
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University of Florida, College of Engineering  
P.O. Box 116550  
Gainesville, FL 32611

OFFICE OF NUCLEAR REACTOR REGULATION  
REQUEST FOR ADDITIONAL INFORMATION  
REGARDING LICENSE AMENDMENT NO. 27 FOR THE  
UNIVERSITY OF FLORIDA TRAINING REACTOR  
LICENSE NO. R-56; DOCKET NO. 50-83

The U.S. Nuclear Regulatory Commission is continuing its review of your license amendment request (LAR) for Facility Operating License No. R-56 for the University of Florida Training Reactor submitted by letter dated February 29, 2012 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML12061A271), as supplemented by letters dated July 26 (ADAMS Accession No. ML12216A152) and August 31, 2012 (ADAMS Accession No. ML12256A957); September 3, 2014 (ADAMS Accession No. ML14255A378); and April 7, 2015 (ADAMS Accession No. ML15112B177).

Title 10 of the *Code of Federal Regulations* (10 CFR) Part 73, "Physical Protection of Plants and Materials," prescribes requirements for the establishment and maintenance of a physical protection system which will have capabilities for the protection of special nuclear materials at fixed sites, and in transit, and of [facilities] in which the special nuclear material is used. The regulations in 10 CFR 73.67 are specific to the physical protection of special nuclear material of moderate and low strategic significance. Regulatory Guide (RG) 5.59, "Standard Format and Content for a Licensee Physical Security Plan [PSP] for the Protection of Special Nuclear Material of Moderate or Low Strategic Significance," Revision 1, issued February 1983, provides guidance for implementing the requirements in 10 CFR 73.67.

The proposed amendment would remove the commitment in your license that indicates the need for a PSP, and replace it with procedures. During our review of your LAR, a question has arisen for which we require additional information and clarification. Please provide responses to the following request for additional information within 30 days of the date of this letter.

The provisions of 10 CFR 73.67(f), "Fixed site requirements for special nuclear material of low strategic significance," do not require a physical security plan if the amount of special nuclear material at the facility is less than an amount of special nuclear material considered to be of moderate strategic significance. Provide an analysis documenting that the aggregate quantity of special nuclear material at the facility will remain below an amount of special nuclear material considered to be of moderate strategic significance for all times in facility life.

ENCLOSURE