

August 27, 2013

Dr. Melinda Krahenbuhl, Director
The Reed Research Reactor
Reed College
3203 SE Woodstock Blvd.
Portland, OR 97202

SUBJECT: REED COLLEGE - REQUEST FOR ADDITIONAL INFORMATION REGARDING
AMENDMENT TO THE TECHNICAL SPECIFICATIONS FOR THE REED
RESEARCH REACTOR (TAC NO. MF1928)

Dear Dr. Krahenbuhl:

By letter dated July 17, 2013 (Agencywide Documents Access and Management System (Accession No. ML13212A100), Reed College (the licensee) requested an amendment to the Technical Specifications, Appendix A of Facility Operating License No. R-112, for the Reed Research Reactor.

The U.S. Nuclear Regulatory Commission staff has reviewed the information provided in your application and determined that additional information is required in order to complete its review. Please provide responses to the enclosed request for additional information within 30 days after 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 security, 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."

M. Krahenbuhl

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If you have any questions or need additional time to respond to this request, please contact me at 301-415-0893 or by electronic mail at Geoffrey.Wertz@nrc.gov.

Sincerely,

/Alexander Adams Jr. for RA/

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

Docket No. 50-288
License No. R-112

Enclosure:
Request for Additional Information

cc: See next page

Reed College

Docket No. 50-288

cc:

Mayor of the City of Portland
1220 Southwest 5th Avenue
Portland, OR 97204

Reed College
ATTN: Dr. Nigel Nicholson, Dean of Faculty
3203 SE Woodstock Boulevard
Portland, OR 97202-8199

Reed College
ATTN: Mr. John Kroger, President
3203 SE Woodstock Boulevard
Portland, OR 97202-8199

Ken Niles, Division Administrator
Nuclear Safety Division
Oregon Department of Energy
625 Marion Street NE
Salem, OR 97301-3737

David Howe, Section Manager
Radiation Protection Services
Center for Health Protection
Public Health Division
Oregon Health Authority
800 NE Oregon Street, Suite 640
Portland, OR 97232-2162

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

M. Krahenbuhl

- 2 -

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*concurrence by e-mail

NRR-088

OFFICE	NRR/DPR/PRLB/PM*	NRR/DPR/PRLB/LA	NRR/DPR/PRLB/BC	NRR/DPR/PRLB/PM*
NAME	GWertz	PBlechman	AAdams	GWertz (AAdams for)
DATE	8/26/2013	8/27/2013	8/27/2013	8/27/2013

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REQUEST FOR ADDITIONAL INFORMATION
REGARDING TECHNICAL SPECIFICATION AMENDMENT REQUEST FOR
REED COLLEGE
REED RESEARCH REACTOR
DOCKET NO. 50-288
LICENSE NO. R-112

By letter dated July 17, 2013 (Agencywide Documents Access and Management System (Accession No. ML13212A100), Reed College (the licensee) requested an amendment to the Technical Specifications (TSs), Appendix A of Facility Operating License No. R-112, for the Reed Research Reactor (RRR). The U.S. Nuclear Regulatory Commission staff's review used the guidance in NUREG-1537, "Guidelines for Preparing and Reviewing Applications for the Licensing of Non-Power Reactors," and supporting information from the American National Standards Institute/American Nuclear Society (ANSI/ANS)-15.1-2007, "The Development of Technical Specifications for Research Reactors." During our review, the following questions have arisen which require responses:

1. In the current RRR TS 6.1.1, Figure 1, Administrative Structure, the Level 4 includes only "Reactor Operators." NUREG-1537, Part 1, Chapter 14, Section 6.1.1, supports ANSI/ANS-15.1-2007, Section 6.1.1, which describes Level 4 staffing as "Operating staff, e.g., senior reactor operators, reactor operators, and trainees." Please indicate if "Senior Reactor Operators" should be included in Level 4 or justify the current description.
2. Your letter states that "the title Reactor Operation Manager has replaced the title Operations Supervisor in Technical Specifications."
 - a. Reed College TS 6.1.3(b)(3) lists "Operations Supervisor" as one of the reactor facility personnel. Please explain if the position should be deleted from the list of reactor facility personnel or explain why the position should remain.
 - b. Reed College TS 6.5(d) includes "Operations Supervisor" as one of the reactor facility personnel able to approve experiments. Please explain if the statement should read "Minor changes that do not significantly alter the experiment may be approved by the Reactor Operations Manager or Director" or justify the current description.

Enclosure