

April 8, 2010

Mr. Stephen Frantz, Director
Reed Reactor Facility
Reed College
3203 S.E. Woodstock Boulevard
Portland, OR 97202-8199

SUBJECT: REED COLLEGE – REQUEST FOR ADDITIONAL INFORMATION
REGARDING THE REED COLLEGE TRIGA REACTOR EMERGENCY PLAN
(TAC NO. M79578)

Dear Mr. Frantz:

The U.S. Nuclear Regulatory Commission (NRC) has reviewed the Reed Research Reactor (RRR) Emergency Plan revision dated September, 2009. During our review, questions have arisen for which we require additional information and clarification. Please provide responses to the enclosed request for additional information within 60 days after the date of this letter. In accordance with Title 10 of the *Code of Federal Regulations* Section 50.30(b), your response must be executed in a signed original under oath or affirmation.

If you have any questions regarding this review, 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,

/RA by Kathryn M. Brock/
Geoffrey A. Wertz, Project Manager
Research Reactor Licensing Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

Docket No. 50-288

Enclosure:
Request for Additional Information

cc: w/encl: 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. Peter Steinberger
Dean of Faculty
3203 S.E. Woodstock Boulevard
Portland, OR 97202-8199

Reed College
ATTN: Dr. Colin Diver, President
3203 S.E. Woodstock Boulevard
Portland, OR 97202-8199

Ken Niles, Assistant Director
Oregon Department of Energy
625 Marion Street NE
Salem, OR 97301-3737

Terry D. Lindsey, Program Director
Radiation Control Program
Oregon Health Services
Department of Human Services
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

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THE REED COLLEGE TRIGA REACTOR EMERGENCY PLAN (TAC NO.
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*concurrence via e-mail

NRR-088

OFFICE	NRR/DPR/PRLB/PM*	NRR/DPR/PRPB/LA	NSIR/DPR/ORLOB/BC	NRR/DPR/PRLB/BC	NRR/DPR/PRLB/PM*
NAME	GWertz	GLappert	JAnderson (MNorris Acting For)	KBrock	GWertz (KBrock for)
DATE	4/7/2010	4/8/2010	4/8/2010	4/8/2010	4/8/2010

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OFFICE OF NUCLEAR REACTOR REGULATION
REQUEST FOR ADDITIONAL INFORMATION REGARDING
THE EMERGENCY PLAN FOR
REED COLLEGE RESEARCH REACTOR
LICENSE NO. R-112; DOCKET NO. 50-288

The U.S. Nuclear Regulatory Commission (NRC) has reviewed the Reed Research Reactor (RRR) Emergency Plan (EP) revision dated September, 2009, in accordance with the guidance from NUREG-0849, "Standard Review Plan for the Review and Evaluation of Emergency Plans for Research and Test Reactors," dated October 1983, and ANSI/ANS-15.16, "Emergency Planning for Research Reactors," dated September 2008. During our review, questions have arisen for which we require additional information and clarification. Please provide responses to the following request for additional information:

1. As provided in RRR EP, Figure 1, should "Oregon Radiation Protective Services" read "Oregon Radiation Protection Services" and "Nuclear Insurers of America" read "American Nuclear Insurers"? If so, please update Figure 1.
2. As referenced in RRR, EP, Section 3.2, "Coordination with and Notification of Government Agencies," should procedures require notification to the NRC in approximately one hour for emergency class declarations? If not, please review NRC Information Notice 92-79, "Non-power Reactor Emergency Event Response," and consider incorporating a timely notification to the NRC.
3. As stated in RRR EP, Section 4, "Emergency Classification System," implementing procedures for each class of emergency are provided in Appendix B. Appendix B could not be found in the RRR EP, Revision dated September, 2009. Please provide a listing by title of implementing procedures for each class of emergency.
4. RRR EP, Section 5, "Emergency Action Levels," does not include security related action levels to Emergency Action Levels (i.e. credible security threat, security breach, armed attack) as described in ANSI/ANS-15.16-2008. Please update Section 5 to include the security related action levels found in ANSI/ANS-15.16-2008.
5. RRR EP, Section 3.1.2 "Emergency Coordinator," provides direction for the emergency coordinator to notify offsite authorities. What method is established to ensure that offsite authorities have received the message and that it is authentic?
6. RRR EP, Section 8.2, "Assessment Facilities," provides information on radiation monitoring equipment but does not describe personnel monitoring equipment. What type of personnel monitoring equipment will be used for accident assessment?
7. RRR EP, Section 8.3, "First Aid and Medical Facilities," describes services available from, the Legacy Good Samaritan Hospital. Please provide any written agreements with

ENCLOSURE

the Good Samaritan Hospital and/or any other hospitals that will provide medical services.

8. RRR EP, Section 10, "Maintaining Emergency Preparedness," does not sufficiently describe the initial and periodic retraining for support personnel. What type of initial and periodic retraining are offered to support personnel, i.e., first aid responders, fire fighters and medical personnel? Please provide copies of any RRR procedures that govern this training.
9. Please provide an updated copy of the RRR EP to the NRC following resolution of this request for additional information.