

RADIATION CENTER



OREGON STATE UNIVERSITY

100 Radiation Center, Corvallis, Oregon 97331-5903
Telephone 541-737-2341 Fax 541-737-0480

December 20, 2000

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington DC 20555

- References:
1. Oregon State University TRIGA Reactor (OSTR), Docket No. 50-243, License No. R-106
 2. Emergency Response Plan Revisions

Subject: Application for an Amendment of the OSTR Emergency Response Plan Submitted Under 10 CFR 50.54(q).

Gentlemen:

The purpose of this letter is to apply for an amendment to the OSTR Emergency Response Plan (ERP). There are two changes to the ERP which will result in a reduction of effectiveness of the plan, as determined by the provisions of 10 CFR 50.54(q). However, these changes are appropriate and are needed to make the ERP consistent with our operating procedures. A copy of the evaluation is enclosed. The proposed amendment to the ERP has been reviewed by the OSTR operations staff and approved by the Reactor Operations Committee. If there are any questions regarding this amendment application, please let me know.

I declare under penalty of perjury that the foregoing is true and correct.

Sincerely,

Stephen E. Binney
Director

cc: Al Adams, U.S. Nuclear Regulatory Commission
Dr. Lawrence Cohen, U.S. Nuclear Regulatory Commission
Dave Stewart-Smith, Oregon Office of Energy
Steve Reese, OSU Reactor Administrator
Art Hall, OSU Reactor Supervisor

Enclosures

A045

ENCLOSURE 1

Oregon State University TRIGA Reactor (OSTR)
License No. R-106, Docket No. 50-243

Background Information:

Under the provisions of 10 CFR 50.54(q), it was determined that each of the following changes to the Emergency Response Plan constituted a reduction in effectiveness. However, these changes would not, in all practical terms, reduce our ability to handle an emergency. They will make the ERP consistent and update it with respect to outside emergency support agencies.

Proposed Amendment:

Oregon State University (OSU) requests that following changes be made:

On page 8-8, section 8.4.a.i, replace "...telephones can handle eight simultaneous calls..." with "...telephones can handle four simultaneous calls..."

Justification:

The current telephone system can, in fact, only handle four simultaneous calls at once. The ERP should be changed to reflect our actual abilities.

Proposed Amendment:

Oregon State University (OSU) requests that following changes be made:

On page 10-4, section 10.4.3.b, replace "Emergency equipment located in a cabinet at the Good Samaritan Hospital and with the Regional HAZMAT vehicle owned by the Corvallis Fire Department is inspected and inventoried semi-annually." with "Emergency equipment located in a cabinet at the Good Samaritan Hospital and with the Regional HAZMAT vehicle owned by the Corvallis Fire Department is inspected and inventoried annually."

Justification:

Experience has shown that an inventory of the equipment at these two facilities need only be performed annually. Personnel at these facilities are aware of the equipment and do not tamper or use it. This would also be consistent with the annual calibration required for the instrumentation within this equipment. This change would also require merging the semi-annual list given on page B-1, section B.2, into the annual list given in section B.1.

U. S. Nuclear Regulatory Commission
Page 3
December 20, 2000

ENCLOSURE 2

Oregon State University TRIGA Reactor (OSTR)
License No. R-106, Docket No. 50-243

Report of the Emergency Response Plan Sub-Committee
on Changes to the Emergency Response Plan
Submitted to the Reactor Operations Committee



OREGON STATE UNIVERSITY

100 Radiation Center, Corvallis, Oregon 97331-5903

Telephone 541-737-2341 Fax 541-737-0480

MEMORANDUM

DATE: August 10, 2000

TO: J.F. Higginbotham, Chairman, Reactor Operations Committee

FROM: S.R. Reese, Chairman, ROC Subcommittee to Review the Emergency Response Plan under the provisions of 10 CFR 50.54(q)

SUBJECT: Emergency Response Plan Revision 2000

The Subcommittee to Review the Emergency Response Plan (ERP) has identified two recommended changes that will result in a reduction of effectiveness. These two recommended changes would require approval from the NRC prior to implementation. These changes are:

1. On page 8-8, section 8.4.a.i, replace "...telephones can handle eight simultaneous calls,..." with "...telephones can handle four simultaneous calls,..." The current telephone system can, in fact, only handle four simultaneous calls at once. The ERP should be changed to reflect our actual abilities.
2. On page 10-4, section 10.4.3.b, replace "Emergency equipment located in a cabinet at the Good Samaritan Hospital and with the Regional HAZMAT vehicle owned by the Corvallis Fire Department is inspected and inventoried semi-annually." with "Emergency equipment located in a cabinet at the Good Samaritan Hospital and with the Regional HAZMAT vehicle owned by the Corvallis Fire Department is inspected and inventoried annually." Experience has shown that an inventory of the equipment at these two facilities need only be performed annually. Personnel at these facilities are aware of the equipment and do not tamper or use it. This would also be consistent with the annual calibration required for the instrumentation within this equipment. This change would also require merging the semi-annual list given on page B-1, section B.2, into the annual list given in section B.1.

The following recommended revisions to the ERP and ERIPs represent typo corrections and changes in personnel that have occurred in the last year and do not result in a reduction in effectiveness. Each proposed change, is given below.

1. Replace "Jefferson Street" with "Jefferson Way" everywhere it appears in the text.

2. On page 1-1, section 1.0, delete the reference to neutron radiography.
3. On page 1-1, section 1.0, replace “..., cobalt-60 irradiation facilities,...” with “..., a cobalt-60 irradiation facility,...”
4. On page 1-2, section 1.0, capitalize “emergency response plan”.
5. On page 3-4, section 3.2.2.b, replace “Assistant Health Physicist” with “Assistant RSO(s)”.
6. On page 3-13, figure 3.1, replace “Vice Provost for Research and International Programs” with “Vice Provost for Research”.
7. On page 4-2, section 4.2, delete the last line of the first paragraph which reads, “No releases of radioactive materials requiring offsite responses (i.e., no releases outside of the operations boundary) are projected.”
8. On page 4-3, section 4.3, delete the last sentence of the first paragraph which reads, “As with a Class I emergency, no releases of radioactive materials requiring offsite responses or monitoring are projected.”
9. Replace “hr” with “h” (representing hours) everywhere it appears in the text.
10. On page 4-4, section 4.4, replace “mR” with “mrem”. This section refers to dose limits. Therefore, the units must reflect dose.
11. On page 7-8, section 7.2.2.a, replace “particulae” with “particulate”.
12. On page 7-8, section 7.2.2.c, replace the entire section with, “Both high and low volume portable air samplers are available for sampling in the unrestricted area. The sampling would likely be performed by the Radiological Assessment Team.” The current paragraph requires grab sampling prior to the stack monitor reaching full scale. This may not be practical.
13. On page 7-14, section 7.3.2.3.c, replace the entire section with, “Both high and low volume portable air samplers are available for sampling in the unrestricted area. The sampling would likely be performed by the Radiological Assessment Team.” The current paragraph requires grab sampling prior to the stack monitor reaching full scale. This may not be practical.
14. On page 10-1, section 10.0, replace “(8)” in the footnote with “(1)”.
15. On page 10-2, section 10.3.a, replace, “The Emergency Response Plan will be reviewed and updated biennially,...” with “The Emergency Response Plan will be reviewed and updated annually,...” This will make the review frequency consistent with the Reactor Operations Committee Charter and OSTROP 6, *Administrative and Personnel Procedures*.
16. On page 10-3, section 10.4.2.b, replace “...int eh...” with “...in the...”
17. On page A-4, replace Figure A.3 with the most current version.

18. In the index for the ERIPs, change the title of ERIP 4 to “RCHPP 34 – Orientation and Training Programs for the OSU Radiation Center”.
19. On page E-5-13, delete, “8. Check the evacuation of “D” corridor en route to the assembly point.” We assign this responsibility by person not position.
20. On page E-5-18, replace R.L. Normandin with S.A. Menn.
21. On page E-7-3, replace K.M. Brock’s phone number with 791-1769.
22. Replace the Radiation Center Directory with the most current copy.
23. On page E-7-7, replace R.L. Normandin with S.A. Menn.
24. On page E-7-7, replace D.L. Snow with E.D. Jordan.
25. On page E-7-7, add M.R. Conrady to the list of First Aid Responders.
26. On page E-8-2, delete “associate” behind Higginbotham’s name.