

MAY 21 1984

Docket No. 50-284

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Region IV

SSPB Reading

Dr. Charles H. Kegel
Academic Vice President
Idaho State University
Pocatello, Idaho 83201

Dear Dr. Kegel:

The staff has completed its initial review of the proposed Idaho State University Emergency Plan submitted on September 14, 1983. The plan was reviewed against the requirements of Appendix E to 10 CFR Part 50, the guidance criteria set forth in Revision 1 to Regulatory Guide 2.6 and ANSI/ANS-15.16-1982, "Emergency Planning for Research Reactors." Non-power reactor licensees were requested by generic letter dated June 16, 1982 to use these documents to meet the requirements of the amended emergency planning regulations.

Based on its review, the staff has concluded that the proposed emergency plan does not yet fully satisfy the requirements of the guidelines of the above-mentioned documents. Accordingly, we request that you revise the plan to include the additional information identified in the enclosed staff Emergency Plan Review within 60 days of the date of this letter. Following receipt of your revisions, the staff will continue its review. If you have any questions, please contact your Project Manager, Harold Bernard, at (301) 492-9799.

The reporting and/or recordkeeping requirements contained in this letter affect fewer than ten respondents, therefore, OMB clearance is not required under P.L. 96-511.

Sincerely,

Cecil O. Thomas, Chief
Standardization & Special
Projects Branch
Division of Licensing

Enclosure:
As stated

cc: See next page

SSPB:PA
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Idaho State University

50-284

cc w/enclosure(s):

Attorney General
State House
Boise, Idaho 83720

State Planning and Community
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State of Idaho
Boise, Idaho 83720

Introduction

The Idaho State University filed with the Nuclear Regulatory Commission an emergency plan dated September 1, 1982 for a facility licensed pursuant to Title 10 Code of Federal Regulations Part 50. This report provides an evaluation of the emergency plan for the research reactor, License No. R-110, at the Idaho State University.

The plan was reviewed against the requirements of Appendix E to 10 CFR Part 50. In addition, the staff review extended to ascertaining the degree of conformance with the guidance criteria set forth in Revision 1 to Regulatory Guide 2.6 and the American National Standard ANSI/ANS-15.16 as a method acceptable to the NRC staff for compliance with specific parts of the Commission's regulations.

Conclusion

Based on our review, the staff concludes that the emergency plan for the research reactor at the Idaho State University is not acceptable because it does not adequately address the requirements of Appendix E to 10 CFR 50.

For specific guidance, the staff recommends that the licensee consult ANSI/ANS-15.16-1982 for a more detailed discussion of research reactor emergency planning. The additional information necessary to correct the following identified deficiencies should be consistent with the planning standards specified therein.

This report follows the format of Section 3 of ANSI/ANS-15.16-1982.

Section 3.2, Definitions

1. Provide a section of definitions for terms or abbreviations which are unique to the facility (i.e., "voice alarm", "nuclear emergency" and "onsite").

Section 3.3, Organization and Responsibilities

1. Include arrangements and agreements confirmed in writing with local support organizations that would augment the reactor staff.
2. Include a block diagram that illustrates the interrelationship of the facility emergency organization to the total emergency response effort.
3. Specify the line of succession for the Radiation Safety Officer.

4. Identify the position in the emergency organization and the associated authorities and responsibilities to authorize volunteer emergency workers to incur radiation exposures in excess of normal occupational limits.

Section 3.4, Emergency Classification System

1. Provide an emergency classification system for potential emergency situations which may occur, e.g., personnel injury with contamination or fire, that have less severe consequences than the least severe class as specified in ANSI/ANS-15.16.

Section 3.6, Emergency Planning Zones

1. Define an Emergency Planning Zone for the facility, consistent with Table 2 of ANSI/ANS-15.16-1982.

Section 3.7, Emergency Response

1. Provide methods to ensure personnel accountability and segregation of potentially contaminated personnel.
2. Describe exposure guidelines for emergency personnel.
3. Describe methods for monitoring dose rates and contamination levels around the facility.

Section 3.8, Emergency Facilities and Equipment

1. Designate an Emergency Support Center.
2. Identify measures that will be provided to aid personnel who are injured and/or exposed to radiation.
3. Identify the emergency communications system in addition to normal telephones which may be available at the reactor facility.

Section 3.10, Maintaining Emergency Preparedness

1. Describe an initial training and periodic retraining program designed to maintain the ability of emergency response personnel to perform assigned functions.
2. Provide a program for annual drills with each required emergency measure being executed as realistically as possible.
3. Describe the provisions made to ensure operational readiness of emergency equipment.