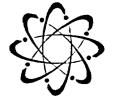


University of Illinois at Urbana-Champaign
Department of Nuclear, Radiological and Plasma Engineering / College of Engineering

214 Nuclear Engineering Laboratory 103 South Goodwin Avenue Urbana, IL 61801-2984 217-333-7755/0866 217-333-2906 fax r-holm@uiuc.edu



Reactor Administrator: Richard L. Holm

November 22, 2004 **Docket No. 50-151**

Mr. Alexander Adams, Jr.
United States Nuclear Regulatory Commission
ATTN: Alexander Adams, REXB
MS 012-G13
Washington, DC 20555-0001

SUBJECT: Resubmittal of package dated September 8, 2004: Eliminate Reactor Health Physicist Position and one hour on-call requirement from Technical Specifications.

Dear Mr. Adams,

Please find enclosed a resubmittal, under oath and affirmation, of the package submitted September 8, 2004. I have also enclosed corrected "as incorporated" technical specification pages.

If there are any questions or concerns with this response, please contact me at 217-333-7755 or email at r-holm@uiuc.edu.

I declare under penalty of perjury that the foregoing is true and correct. Executed on November 22nd, 2004.

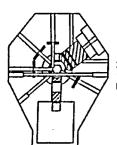
Respectfully Submitted,

Richard L. Holm
Reactor Administator

Attach.

C: File

A020



Nuclear Reactor Laboratory

University of Illinois at Urbana-Champaign
Department of Nuclear, Radiological and Plasma Engineering / College of Engineering

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Reactor Administrator: Richard L. Holm

September 8, 2004 Docket No. 50-151

Mr. Alexander Adams, Jr.
United States Nuclear Regulatory Commission
ATTN: Alexander Adams, REXB
MS 012-G13
Washington, DC 20555-0001

SUBJECT: Eliminate Reactor Health Physicist Position and one hour on-call requirement from Technical Specifications.

Dear Mr. Adams,

Please find enclosed a request for changes to the Technical Specifications at the University of Illinois. The following attachments are enclosed:

- Justification for Changes this document shows the "callout" on the revised specification and a justification for the change.
- Appropriate pages from the technical specifications showing the revisions.
- Appropriate pages from the technical specifications with the revisions incorporated.

If there are any questions please do not hesitate to contact me.

Regards,

Richard L. Holm
Reactor Administrator

Attach.

C: File

Justification for September 2004 Changes to UIUC Nuclear Reactor Laboratory Technical Specifications, Docket 50-151

JUSTIFICATION:

1	 The position of Reactor Health Physicist at the reactor has been eliminated. Duties will be performed by the Reactor Administrator and support from the Radiation Safety Office. The Reactor Health Physicist is replaced by "Radiation Safety Office Support". 	Delebed: There shall be a Reactor Health Physicist responsible for assuring the day to day and routine radiological safety activities at the Nuclear Reactor Laboratory.
ı	2. The Reactor Realth Physicist is replaced by Radiation Safety Office Support.	Deleted: Reactor Health Physicist
1	 The position of Reactor Health Physicist at the reactor has been eliminated. With the removal of fuel from this facility, reducing the amount of SNM on-site to less than 10 grams, this requirement is no 	Deleted: 2. Reactor Health Physicist. This individual shall meet the requirements of ANSI/ANS-15.4-1988 "American National Standard for the Selection and Training of Personnel for Research Reactors" for a Level Three individual in addition to training in health physics.
•	longer necessary. Accident scenarios are now the same as an laboratory using radioactive material. Response to this type of scenario is covered by the campus Radiation Safety Manual.	Deleted: One of these individuals shall be reachable and able to respond to the facility within approximately one hour.
	5. The position of Reactor Health Physicist at the reactor has been eliminated.	Deleted: 4. Reactor Health Physicist
ĺ	6. With the removal of fuel from the facility there are no licensed operators.	Deleted: 5. Licensed operators
	7. Deleted a comma and inserted "and" for grammatical correction.	Deleted:,
1	8. The position of Reactor Health Physicist at the reactor has been eliminated.	Deleted:, and one whom shall be the Reactor Health Physicist.
I	9. Since the Reactor Health Physicist position is eliminated, the Reactor Administrator (inserted "Administrator") shall be responsible for the Radiation Protection Program.	Deleted: Health Physicist

6.0 ADMINISTRATIVE CONTROLS

6.1 Organization

6.1.1 Structure and Responsibility

- a. The reactor facility shall be an integral part of the Department of Nuclear, Plasma and Radiological Engineering of the University of Illinois. The reactor shall be related to the University structure as shown in Chart I.
- b. The reactor facility shall be under the supervision of the Reactor Administrator who shall have been qualified as a licensed senior reactor operator for the reactor. He shall be responsible for assuring that all operations are conducted in a safe manner and within the limits prescribed by the facility license and the provisions of the Nuclear Reactor Committee.
- c. , The University of Illinois Radiation Safety Officer shall be responsible for monitoring, planning, and promoting radiological safety at the Nuclear Reactor Laboratory. He has the responsibility and authority to stop, secure or otherwise control as necessary any operation or activity that poses an unacceptable radiological hazard.

Deletted: There shall be a Reactor Health Physicist responsible for assuring the day to day and routine radiological safety activities at the Nuclear Reactor Laboratory.

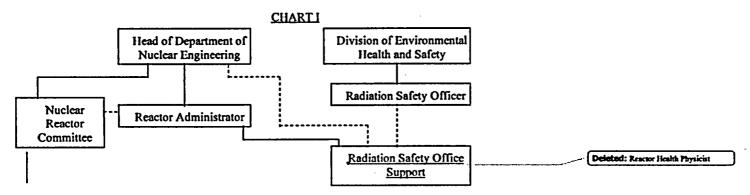


CHART I: Administrative organization of the reactor facility. Dashed lines indicate reporting paths outside the operational chain of supervision, indicated by solid lines.

6.1.2 Staffing

- a. The minimum staffing at the Nuclear Reactor Laboratory shall be:
 - Reactor Administrator. This individual shall meet the requirements of ANSI/ANS-15.4-1988
 "American National Standard for the Selection and Training of Personnel for Research Reactors" for a
 Level Two individual.
- b. A list of reactor personnel by name and telephone number shall be readily available to the UIUC Division of Public Safety dispatcher. The list shall include:
 - 1. Campus Radiation Safety Officer
 - 2. Reactor Administrator
 - 3. Head, Department of Nuclear Engineering

Deletted: 2.Reactor Health Physicist.
This individual shall meet the
requirements of ANSI/ANS-15.4-1988
"American National Standard for the
Selection and Training of Personnel for
Researth Reactors" for a Level Three
individual in addition to training in bealth
relocies 3

Deleted: One of these individuals shall be reachable and able to respond to the facility within approximately one bour.

Deleted: 4. Reactor Health Physicist

Deleted: 5. Licensed operators

- c. Events requiring the presence at the facility of a Senior Reactor Operator:
 - 1. Initial startup and approach to power.
 - 2. All fuel or control rod relocations..
 - 3. Relocation of any in-core experiment with a reactivity worth greater than one dollar.
 - Recovery from unplanned or unscheduled shutdown or significant power reduction (In these instances, documented verbal concurrence from the Senior Reactor Operator is required).

6.1.3 Selection and Training of Personnel

The Reactor Administrator is responsible for the training and requalification of the facility reactor operators and senior reactor operators. The selection, training, and requalification of operations personnel shall be consistent with all current regulations and guidelines.

6.2 Review and Audit

6.2.1 Charter and Rules

a. The Reactor Committee shall be composed of at least five voting members, one of whom shall be a Health Physicist designated by the campus Radiation Safety Officer for the University and, one whom shall be the Reactor Administrator, The remaining members shall be appointed by the Head of the Department of Nuclear Engineering, so as to maintain a balanced knowledge of reactor safety and regulation.

Deleted:

Deleted: , and one whom shall be th Reactor Health Physicist.

- b. The Reactor Committee shall have a written statement defining such matters as the authority of the committee, the subjects within its purview, and other such administrative provisions as are required for the effective functioning of the Reactor Committee Minutes of all meetings of the Reactor Committee shall be kept. `
- c. A quorum of the Reactor Committee shall be a majority of not less than one half of the members and the reactor staff shall not constitute a voting majority.
- d. The Reactor Committee shall meet at least semiannually not to exceed nine months

6.2.2 Review Function

The review function of the Committee shall include, but is not limited to the following:

- Determination that proposed changes in equipment, systems, tests, experiments, or procedures do not involve an unreviewed safety question.
- b. All new procedures and major revisions thereto having safety significance, proposed changes in reactor facility equipment, or systems having safety significance.
- All new experiments or classes of experiments for determination that an unreviewed safety question does not exist.
- d. Proposed changes in the technical specifications or license.
- c. Violations of technical specifications or license.
- f. Operating abnormalities having safety significance.
- g. Reportable occurrences as listed in 6.8.
- h. Audit reports.

A written report or minutes of the findings and recommendations of the Committee shall be submitted to the Head, Department of Nuclear Engineering, and the Reactor Committee members in a timely manner after each meeting.

6.3 Radiation Safety

The Reactor Administrator shall be responsible for implementing the Radiation Protection Program at the reactor such that all regulatory requirements are met and guidelines followed as applicable.

Deleted: Health Physicist

6.0 ADMINISTRATIVE CONTROLS

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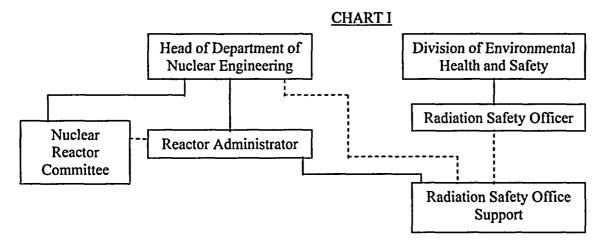


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Corrected pages to Insert

November 22, 2004

6.0 ADMINISTRATIVE CONTROLS

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- c. The Reactor Administrator, with support from the Radiation Safety Office, shall be responsible for assuring the day to day and routine radiological safety activities at the Nuclear Reactor Laboratory. The University of Illinois Radiation Safety Officer shall be responsible for monitoring, planning and promoting radiological safety at the Nuclear Reactor Laboratory. He has the responsibility and authority to stop, secure or otherwise control as necessary any operation or activity that poses an unacceptable radiological hazard.

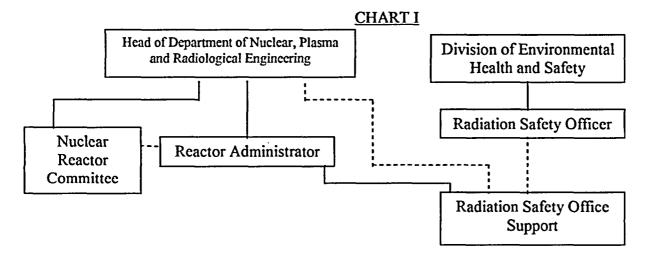


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