REED COLLEGE

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Portland, Oregon 97202

RFACTOR FACILITY

May 7, 1985

Cecil O. Thomas, Chief Standardization and Special Projects Branch Division of Licensing U.S. Nuclear Regulatory Commission Washington, D.C. 20555

Dear Mr. Thomas:

In response to your letter dated June 22, 1984 RRF requests that the following changes be made to our previously submitted Emergency Plan.

Section 2.0: Definitions

Change the existing definition of Operations Boundary and Site Boundary with,

"OPERATIONS BOUNDARY - The area within the site boundary as shown in the floor plan of the Reed Reactor Facility is the operations boundary. When the door labeled 'A' is closed it consists of the area outlined in black. When the door labeled 'A' is open the operations boundary is expanded to include the area outlined in hatched lines. Within the operations boundary the reactor chief administrator has direct authority over all activities. The area within this boundary shall have prearranged evacuation procedures known to all personnel frequenting the area.

SITE BOUNDARY - The site boundary is that boundary, not necessarily having restricting barriers, including the adjoining chemistry building and extending 250 feet in every direction from the operations boundary. Within this area the reactor administrator may directly initiate emergency activities. The area within the site boundary may be frequented by persons unacquainted with reactor operations."

The definitions of onsite and offsite remain unchanged.

Section 3.0: Organization and Responsibilities

The agreements requested will be sent when received.

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Section 8.0: Emergency Facilities and Equipment

In section 8.2 remove the last sentence and replace it with,

"In addition, the following facilities are available to provide pertinent non-radiological information in the event of an emergency.

Monitor	Alarm
1) High low water alarm	lights in west hall, roof, and buzzer in console room.
2) Pool Temperature Probe	Buzzer on console.
3) Ventilation system isolation cycle indicate	red lights in reactor and or console rooms. Both visible from west hall.
 Secondary low pressure alarm 	High pitched alarm in reactor room. Audible outside facility.
5) Fire alarm pull station	Alarm bells throughout adjacent Chemistry Building.
6) Evacuation alarm	Siren in reactor room. Light in adjoining radiochemistry laboratory.
7) Primary water conduc- tivity probes."	None

Section 9.0: Recovery

Replace existing paragraph with,

"Restoring the RRF to a safe operating condition after an emergency shall be the responsibility of the emergency coordinator. In the event that recovery procedures are necessary they shall be written by the emergency coordinator and reviewed by the reactor operations and reactor safety committees. Any operations necessary to restore the facility to operational status will be done by the emergency coordinator. The RRF Health Physics staff shall survey, decontaminate, and ascertain that the contamination, and ascertain that contamination and radiation Cecil O. Thomas May 7, 1985 Page 3

levels within the affected area are safe. RRF management shall assess resultant damages, direct repairs, review the emergency, and authorize continued operation of the reactor."

I believe that these changes are sufficient to meet the Commission's requirements with the exception of Section 3.0. Please keep me informed on further developments.

Sincerely,

ichael A. Kay

Michael A. Kay Director, Reed Reactor Facility

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