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June 21, 2021

ATTN: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555-0001

10 CFR 50.54(q)
Docket 50-83, License R-56

Subject: **Emergency Plan Change Performed Under 10 CFR 50.54(q)**

The UFTR has revised the Emergency Plan, page 9, Section 3.5, paragraph 2. The second and third sentences have been deleted. The deleted sentences are:

“However, credible emergencies that have radiological release implications would arise from failure of an experiment-in-progress or fuel handling. In these situations, there would be a designated Senior Reactor Operator and one or more Reactor Operators available.”

The statements suggested that an extra licensed operator would staff the Emergency Response Organization for the stated situations without providing additional emergency planning functions for that licensed operator. Removing the perceived additional staffing requirement does not decrease the effectiveness of the emergency plan since there are no additional functions for that staff member to perform. The staffing of the ERO is clearly stated at the beginning of Section 3.5 with details of succession at the end of the section. The ERO staffing is then depicted in Figure 3.1 on page 11.

The supporting procedures for the situations described in the two sentences are SOP-B.1 Radiological Emergency, SOP-A.5 Experiments, and SOP-C.1 Fuel Handling. These procedures do not require an additional licensed operator during an emergency and the procedures do not contain additional emergency planning functions for another licensed operator beyond the ERO staffing requirement, and Figure 3.1.

This change has no negative impact on the UFTR emergency response and therefore no reduction in emergency response effectiveness results from this change.

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NRR

This submittal has been reviewed and approved by UFTR Management and the Reactor Safety Review Subcommittee.

Please let us know if you need further information.

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

Executed on June 21, 2021.

A handwritten signature in black ink, appearing to read "B. Shea". The signature is written in a cursive style with a large initial "B" and a long horizontal stroke.

Brian Shea
Reactor Manager
University of Florida Training Reactor

cc: NRC Project Manager, Duane Hardesty

3.4.4 Alachua County Emergency Planning Office

The Alachua County Emergency Planning Office has overall responsibility in handling situations that could or have resulted in a significant release of radioactivity to the environs. The Alachua County Emergency Planning Office is responsible through the Florida Department of Community Affairs, Division of Emergency Planning, for all offsite communications and coordination of support. Although not expected to be necessary for credible UFTR accident conditions, this organization will serve as a communications and information resource in the event of a radiological emergency.

3.4.5 State of Florida Bureau of Radiation Control

The State of Florida Department of Health, Bureau of Radiation Control is notified of radiological emergencies through the Department of Community Affairs, Division of Emergency Management State Warning Point. This Office is informed of all radiological emergencies and will normally be informed of emergency drills as well. The Office of Radiation Control maintains a full spectrum of response capabilities for offsite monitoring and dose assessment and can be expected to respond to any significant radiological emergencies associated with the UFTR to assure documentation of offsite monitoring and assessment activities and to provide backup radiation protection and control services if deemed appropriate. This response is not considered essential for the UFTR Emergency Plan to be effective.

3.5 Reactor Emergency Response Organization

The UFTR Emergency organization is shown in Figure 3.1. Lines of responsibility are shown by solid lines and lines of communication are shown by dashed lines. Figure 3.1 shows extensions to other organizations and groups that will augment and extend the capability of the facility emergency staff. The Facility Director or his duly authorized representative has overall responsibility for reactor-related emergencies; the Radiation Control Officer or his duly authorized representative has overall responsibility for radiation control actions (specifically Protective Action Guides). The University of Florida Police Department has overall law enforcement and communications responsibility through its dispatch center which serves as the campus emergency operations center. The Alachua County Emergency Planning Office has offsite responsibility. The State of Florida Bureau of Radiation Control is notified by the State Warning Point of all radiological emergencies to provide the opportunity for offsite monitoring and assessment and to provide a communications link for such technical support as may be deemed appropriate for radiation protection and control. Again this response is not considered essential for implementation of the UFTR Emergency Plan.

A flexible internal emergency organization is needed due to the small size of the reactor operating staff. [However, credible emergencies that have radiological release implications would arise from failure of an experiment-in-progress or fuel handling. In these situations, there would be a designated Senior Reactor Operator and one or more Reactor Operators available.] To provide reasonable assurance that an emergency management organization will exist to meet emergencies, the following succession is specified as depicted in Figure 3.1:

3.4.4 Alachua County Emergency Planning Office

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