May 22, 2006

Dr. William G. Vernetson
Director of Nuclear Facilities
University of Florida
Department of Nuclear and
Radiological Engineering
202 Nuclear Sciences Center
P.O. Box 118300
Gainesville, Florida 32611-8300

SUBJECT: UNIVERSITY OF FLORIDA—REQUEST FOR ADDITIONAL INFORMATION RE: HIGH ENRICHED TO LOW ENRICHED URANIUM CONVERSION FOR THE UNIVERSITY OF FLORIDA TRAINING REACTOR (TAC NO. MC9037)

Dear Dr. Vernetson:

We are continuing our review of your request for high-enriched uranium (HEU) to low-enriched uranium (LEU) fuel conversion for the University of Florida Training Reactor which you submitted on December 2, 2005. During our review of your request, a question has arisen for which we require additional information and clarification. Please provide a response to the enclosed request for additional information within 10 days of the date of this letter. In accordance with 10 CFR 50.30(b), your response must be executed in a signed original under oath or affirmation. Following receipt of the additional information, we will continue our evaluation of your amendment request.

If you have any questions regarding this review, please contact me at (301) 415-1127.

Sincerely,

/RA/
Alexander Adams, Jr., Senior Project Manager
Research and Test Reactors Branch
Division of Policy and Rulemaking
Associate Director for Risk Assessment & New Projects
Office of Nuclear Reactor Regulation

Docket No. 50-83

Enclosure:
As stated

cc:
See next page

cc:

Dr. Ali Haghighat, Chairman
Nuclear and Radiological Engineering
Department
University of Florida
202 Nuclear Sciences Center
Gainesville, FL 32611

Administrator
Department of Environmental Regulation
Power Plant Siting Section
State of Florida
2600 Blair Stone Road
Tallahassee, FL 32301

State Planning and Development
Clearinghouse
Office of Planning and Budgeting
Executive Office of the Governor
The Capitol Building
Tallahassee, FL 32301

William Passetti, Chief
Bureau of Radiation Control
Department of Health
4052 Bald Cypress Way
Tallahassee, FL 32399-1741

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REQUEST FOR ADDITIONAL INFORMATION
UNIVERSITY OF FLORIDA TRAINING REACTOR
DOCKET NO. 50-83

Reactor Reload and Startup Plan. The conversion SAR states that existing procedures will be followed for reactor reload and startup. Provide a discussion of what measurements will be made and checked against calculated predictions (e.g., will initial criticality, excess reactivity, control rod worth, power calibration, etc. be measured and what will be the corresponding acceptance criteria?)