November 9, 1995

Dr. Robert U. Mulder, Director
University of Virginia Reactor Facility
Department of Mechanical, Aerospace
and Nuclear Engineering
University of Virginia
Charlottesville, Virginia 22903-2442

SUBJECT: ISSUANCE OF AMENDMENT NO. 22 TO AMENDED FACILITY OPERATING LICENSE NO. R-66 - UNIVERSITY OF VIRGINIA (TAC NO. M93809)

Dear Dr. Mulder:

This letter is in response to your letter of October 10, 1995, as supplemented on October 19 and 26, 1995, that requested NRC review of your updated safety analysis report on leak analysis and repair of your heat exchanger. As part of that review, the Commission has issued the enclosed Amendment No. 22 to Amended Facility Operating License No. R-66 for the University of Virginia Research Reactor. The amendment consists of a change to the Technical Specifications (TS) in response to your submittals.

The NRC staff has determined that your safety analysis of heat exchanger leakage assumed conservative leak scenarios and that your radiological assessment was also conservative. The NRC staff agrees with your safety analysis results that show that releases to the environment from a heat exchanger leak would be within the limits of 10 CFR Part 20. The NRC staff has also reviewed your proposed design of a plug to seal heat exchanger tubes that are leaking and has concluded that the use of these plugs is acceptable.

The amendment adds a requirement to the TS for surveillance of activity in the secondary cooling system water.

A copy of the related Safety Evaluation supporting the changes to your Safety Analysis Report and Amendment No. 22 is also enclosed.

Sincerely,

ORIGINAL SIGNED BY Alexander Adams, Jr., Senior Project Manager Non-Power Reactors and Decommissioning Project Directorate Division of Reactor Program Management Office of Nuclear Reactor Regulation

Docket No. 50-62

Enclosures:

Amendment No. 22
 Safety Evaluation

cc w/enclosures: See next page

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UNITED STATES NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001 November 9, 1995

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Alexander Adams, Jr., Senior Project Manager

Non-Power Reactors and Decommissioning

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