

December 12, 1997

*PDR Advance Copy
per: D. McCulloch*

Dr. Nolan E. Hertel, Director
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SUBJECT: REQUEST FOR ADDITIONAL INFORMATION (TAC NO. 99370)

Dear Dr. Nolan:

We are continuing our review of your submittals for a Possession Only License for the Georgia Tech Research Reactor. During our review, questions have arisen for which we require additional information and clarification. Please provide responses to the enclosed request for additional information within 60 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. This request affects nine or fewer respondents and therefore, is not subject to Office of Management and Budget review under Public Law 96-511. Following receipt of the additional information, we will continue our evaluation of your application.

If you have any questions regarding this review, please contact me at (301) 415-1128.

Sincerely,

Original signed by:
Marvin M. Mendonca, Senior Project Manager
Non-Power Reactors and Decommissioning
Project Directorate
Division of Reactor Program Management
Office of Nuclear Reactor Regulation

Docket Numbers 50-160

cc: See next page

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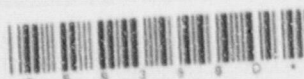
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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

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Sincerely,

A handwritten signature in cursive script, appearing to read "Marvin M. Mendonca".

Marvin M. Mendonca, Senior Project Manager
Non-Power Reactors and Decommissioning
Project Directorate
Division of Reactor Program Management
Office of Nuclear Reactor Regulation

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cc: See next page

Georgia Institute of Technology

Docket No. 50-160

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REQUEST FOR ADDITIONAL INFORMATION

GEORGIA TECH RESEARCH REACTOR

DOCKET NUMBERS 50-160

1. Technical Specification (TS) 2.2 should specify what monitors are required when activities related to radioactive material are being performed. Alternatively, a statement such as "No activities related to radioactive materials will be performed unless the monitors specified in Table 2.1 are operable."
2. Provide analyses to demonstrate that the Tritium Monitor is no longer required after the heavy water is removed from the reactor facility.
3. In Table 2.1, there are setpoints for the tritium, the moving filter particulate, and the filter bank monitors that are based on an annual calibration. Additional specificity is needed. Therefore, provide a value or a multiple of background for these monitors, or provide the specific calibration procedure to establish these setpoints.
4. TS 2.3 specifies applicability of "as long as heavy water is stored." Containment integrity should be required as long as this barrier to radioactive materials is required. Provide calculational verification that for all potential activities after removal of the heavy water (including decommissioning activities) containment integrity is not required. Alternatively, provide a revision to the TS to require containment integrity during activities with radioactive materials.
5. Table 3.1, footnote (1) limits applicability to conditions that could cause "high radiation area." This monitor provides indication for radioactive conditions below this threshold and the applicability should be changed to so indicate. Further, it should be consistent with the requirement for the instrument in TS 2.2.
6. Table 3.1, footnote (2) limits applicability to conditions that could cause "airborne release to the containment." Provide a reference to the methodology that will be used to determine these conditions (e.g., in basis provide verification that a facility procedure will be established and used).
7. TS 5.6.a indicates "and fax." Fax service is not at the number specified and is not required by NRC guidance. Eliminate the referral to fax or provide justification.