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

SEP 23 1980

FCUP:RLS  
70-157  
SNM-180

The University of Texas  
College of Engineering  
ATTN: Dr. T. L. Bauer  
Supervisor, Nuclear Reactor  
Laboratory  
Austin, Texas 78712

Gentlemen:

Our review of your application for renewal of Special Nuclear Material License SNM-180 has revealed a need for updated information concerning certain aspects of your safety program. The needed information is identified in the attachment. We will continue our review of your application following receipt of the additional information.

Sincerely,

*Robert L. Stevenson*

Robert L. Stevenson  
Uranium Process Licensing Section  
Uranium Fuel Licensing Branch  
Division of Fuel Cycle and  
Material Safety

Enclosure: As stated

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Questions on Renewal Application  
University of Texas  
August 27, 1979, Docket 70-157

1. (a) Please describe the required qualifications of education and experience and the duties of the Radiation Safety Officer.  
  
(b) Who has responsibility for ensuring that the Radiation Safety Officer carries out his duties properly?
2. Describe the program for limiting exposures of personnel to radiation and for measuring and recording the doses incurred.
3. Describe the experience and qualifications of Doctors Bauer and Klein relevant to the safe handling of the neutron sources and the special nuclear material.
4. Please describe the system for knowledgeable review and approval of the procedures for experiments to ensure that experiments are conducted safely.
5. Please describe the radiation detection instruments that are used to monitor the operations with radioactive material, including a description of the instruments, the number of each type available, sensitivity range, and provisions for periodic calibration.
6. Describe the provisions for radioactive waste disposal.