



Department of Nuclear Engineering

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October 25, 1979

Office of Inspection & Enforcement
Region IV
U.S. Nuclear Regulatory Commission
Suite 1000
611 Ryan Plaza Drive
Arlington, TX 76012

RE: Docket 50-188

Gentlemen:

Pursuant to 10CFR50.59(b), the following items are submitted for the Kansas State University TRIGA Mk. II Nuclear Reactor, Facility license R-88, for the period 1 July 1978 - 30 September 1979.

A. Changes in Procedures

1. Facility Procedure No. 12, "Functional Performance Check of the Transient (Pulse) Rod," was approved by the Reactor Safeguards Committee on 8 November 1978.
2. Facility Emergency Procedures, as revised, were approved by the Reactor Safeguards Committee on 2 May 1979.
3. Form KSUTMII-3, the Daily Checklist, as revised, was approved by the Reactor Safeguards Committee on 31 May 1979.
4. The KSU TRIGA Mk. II Operations Manual, as revised, was approved by the Reactor Safeguards Committee on 13 August 1979.
5. The KSU TRIGA Mk. II Administrative Plan, as revised, was approved by the Reactor Safeguards Committee on 13 August 1979.

B. Tests and Experiments Conducted without Prior Commission Approval.

1. Experiment No. 1, "Isotope Production," as revised, was approved by the Reactor Safeguards Committee on 18 July 1979.
2. Experiment No. 41, "Operation of an Electrically Heated Irradiation Chamber in the Radial Piercing Beam Port," was approved by the Reactor Safeguards Committee on 8 November 78. Procedures for conducting the experiment were approved by the Reactor Safeguards Committee on 11 April 79.
3. Experiment No. 42, "Operation of a Sample Rapid Transfer System (Rabbit)," was approved by the Reactor Safeguards Committee on 8 November 1978.

C. Changes in the Facility

1. Signal sources for the linear-power and log-power channels were reversed on 19 March 1979. The log-power channel now receives its signal from the northeast compensated ion chamber. The linear-power channel now receives its signal from the southwest compensated ion chamber. This change involved no safety considerations.

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2. A water level gauge was installed on the secondary coolant system surge tank on 31 July 1978. This change involved no safety considerations.
3. A solenoid control valve and a timer were installed in the secondary coolant make-up system on 14 February 1979. This change involved no safety considerations.
4. A low-air-pressure warning indicator was installed in the operating console on 14 February 1979. This change involved no safety considerations.
5. The cooling-tower-fan controller was modified on 14 February 1979 in order to permit manual disconnection. This change involved no safety considerations.
6. A protective relay was installed on the reactor console a.c. line conditioner on 7 August 1978. This change involved no safety considerations.

Sincerely,

Richard E. Faw

Richard E. Faw, Director
KSU Nuclear Reactor Facility

cc: Director
Office of Inspection
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U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

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