

# MICHIGAN STATE UNIVERSITY

COLLEGE OF ENGINEERING • DIVISION OF ENGINEERING RESEARCH

EAST LANSING • MICHIGAN • 48824

February 13, 1985

Director of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Docket No. : 50-294

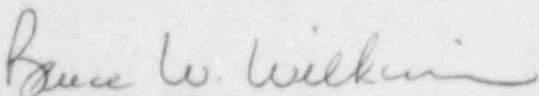
Michigan State University TRIGA Reactor  
License R-114  
Annual Report of year ending December 31, 1984

Dear Sir:

Pursuant to 10CFR50.59 the following report is submitted:

1. During the period of January 1, 1984 to December 31, 1984, the following experiments were performed:
  - a. 20 central thimble irradiations
  - b. 161 rotary specimen rack irradiations
  - c. 4 pulse operations
  - d. total reactor operation of 7740.78 kilowatt-hours
2. <sup>41</sup>Ar release totaled 480 uCi or an average release of  $4.1324 \times 10^{-11}$  uCi/cc ( 0.1033% MPC)
3. There have been no apparent changes in the tank bottom.
4. During the reporting period there were 9 unscheduled scrams.
  - a. 6scrams due to linear recorder
  - b. 3 scrams caused by the log recorder
5. During 1984 there was one student in training for operator license.

Sincerely



Bruce W. Wilkinson  
Reactor Supervisor

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