

MICHIGAN STATE UNIVERSITY

COLLEGE OF ENGINEERING · DIVISION OF ENGINEERING RESEARCH

EAST LANSING · MICHIGAN · 48824

March 8, 1983

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

Docket No.: 50-294

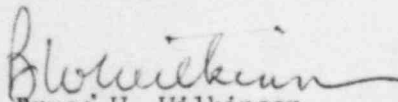
Michigan State University TRIGA Reactor
License R-114
Annual Report

Dear Sir:

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

1. During the period of January 1 to December 31, 1982, the following experiments were performed:
 - a. 6 central thimble irradiations
 - b. 746 rotary specimen rack irradiations
 - c. total operation of 0.712 megawatt-days
2. ^{41}Ar release totaled 1336.8 μCi or an average release rate of $1.2 \times 10^{-10} \mu\text{Ci/ml}$.
3. There have been no apparent changes in the tank bottom.
4. During the reporting period there were 25 unscheduled SCRAMS:
 - a) 17 linear recorder scrams caused by noise in the linear recorder
 - b) 2 Linear recorder scrams due to operator error.
 - c) 4 log recorder scrams caused by log recorder noise.
5. There are currently three students in training for operator licenses.

Sincerely,


Bruce W. Wilkinson
Reactor Supervisor

BWW:jp

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