

Appendix B

NOTICE OF DEVIATION

University of Missouri - Rolla Reactor

Docket No. 50-123

Based on the inspection conducted on November 5-6 and December 4-5, 1979, it appears that certain of your activities were not in accordance with commitments, codes, standards, guides, or acceptable practices, as noted below.

In a letter dated March 18, 1975, responding to an item of noncompliance identified in IE Inspection Report No. 50-123/75-01, the licensee committed in part to conduct quarterly health physics instrumentation calibrations, monthly swipe tests, monthly building surveys, and monthly pool water tests.

Contrary to the above, a review of records and interviews with licensee personnel found four areas of deviation from this commitment, as follow:

1. During nine of the sixteen months reviewed, swipe tests had not been done.
2. Monthly building area radiation surveys had not been done from August 1979 through October 1979.
3. During four of the twenty months reviewed, monthly pool water tests had not been done and during five additional months samples were taken but not analyzed until two or three months later.
4. Nine of twelve health physics instruments checked had not been calibrated quarterly for the period of July 1978 to December 1979.

By failing to conduct these regular calibrations, tests, and surveys, which are generally accepted practices in the industry, the licensee may not be able to ensure personal safety at the operating reactor facility. Of particular concern is the radiation level present when the beam plug is pulled or the "Fermi Chopper" is installed in the lower level of the facility. With this and the failure to calibrate health physics instruments timely, there exists the potential of personal overexposure.

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