



The University of Michigan

MICHIGAN MEMORIAL – PHOENIX PROJECT
PHOENIX MEMORIAL LABORATORY FORD NUCLEAR REACTOR
ANN ARBOR, MICHIGAN 48109-2100

May 18, 2001

Document Control Desk
United States Nuclear Regulatory Commission
Washington, D.C. 20555

Re: License R-28
Docket 50-2

Dear Sir:

The enclosed REPORT ON REACTOR OPERATIONS, revised for the period January 1, 2000 to December 31, 2000 as required by Technical Specification 6.6.1 *Annual Operating Report*.

This revised report is being submitted to provide Occupational Radiation Exposure reading of 500 mrem. This data was not complete at the time of submission of the original report.

Sincerely,

Christopher W. Becker
Reactor Laboratory Manager

xc: U.S. Nuclear Regulatory Commission
ATTN: Alexander Adams, Sr. Project Manager
Mail Stop 012-D1
Washington, DC 20555

Thomas F. Dragoun, Inspector
U.S. Nuclear Regulatory Commission, Region I
475 Allendale Road
King of Prussia, PA 19406-1415

Enclosure (1)

AD20

REPORT OF REACTOR OPERATIONS

January 1, 2000 - December 31, 2000

FORD NUCLEAR REACTOR

MICHIGAN MEMORIAL - PHOENIX PROJECT

THE UNIVERSITY OF MICHIGAN

ANN ARBOR

Revised

May 2001

Prepared For

The U.S. Nuclear Regulatory Commission

The total airborne effluent releases are well within the allowed release concentrations when the conservative dilution factor of 400 is applied.

The equivalent total dose from all airborne effluent releases is well below the 10 mrem per year constraint described in NRC Information Notice 97-04, "Implementation of a New Constraint on Radioactive Air Effluents."

3. Liquid Effluents

No radioactive liquid effluents were released from the reactor and the contiguous laboratory facility in 2000.

- f. If levels of radioactive materials in environmental media, as determined by an environmental monitoring program, indicate the likelihood of public intake in excess of 1% of those that could result from continuous exposure to the concentration values listed in Appendix B, Table 2, 10CFR20, estimate the likely resultant exposure to individuals and to population groups and the assumptions upon which those estimates are based. Exposure of the general public to 1 ERL would result in a whole body dose of 50 mrem. The maximum public dose based on airborne and liquid effluent releases of 4.53% ERL is 2.26 mrem. This dose is based on a member of the public being continuously present at the point of minimum dilution near the reactor building.

6.6 Occupational Personnel Radiation Exposures

Individuals for whom the annual whole body radiation exposure exceeded 500 mrem (50 mrem for person under 18 years of age) during the reporting period:

Philip Simpson	0.744
Andrew Cook	0.735
William Snyder	0.614

Maximum individual whole body deep dose equivalent exposure: 0.744 Rem

This includes facility personnel including faculty, students, or experimenters.