

THE UNIVERSITY OF MICHIGAN
MICHIGAN MEMORIAL-PHOENIX PROJECT

50-2

OFFICE OF THE DIRECTOR
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PHOENIX MEMORIAL LABORATORY
NORTH CAMPUS
ANN ARBOR, MICHIGAN 48106

February 28, 1985

Docket 50-2
License R-28

United States Nuclear Regulatory Commission
Harold Denton, Director
Division of Reactor Licensing
Washington, D.C. 20555

Dear Sir:

As a result of a preliminary review of our operating license renewal request conducted from February 26-28, 1985 with Mr. Hal Bernard and three representatives from Los Alamos National Laboratory, the following modifications to the Technical Specifications and Safety Analysis are submitted. Modified pages are attached with changes underlined.

TECHNICAL SPECIFICATIONS

Section 1.0, page 5:

Time intervals were inserted to the definitions for use in establishing surveillance frequencies.

Section 3.0, page 9:

Shutdown margin with all rods inserted was changed to 0.025 delta K/K and with the most reactive rod stuck out to 0.0045 delta K/K in order to allow us to meet shutdown margin requirements with the maximum excess reactivity of 0.038 delta K/K loaded in the core.

Core excess reactivity was specifically defined to include moveable experiments.

Section 3.8, page 22:

Calculations for experiment radioactivity limits were added to section 14.3 of the Safety Analysis and are referenced here.

SAFETY ANALYSIS

Section 14.2.5, page 53:

Pneumatic tubes are 1-7/16 inch in diameter rather than 1-1/4 inches.

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Section 14.2.6, page 57:

Values of flow rates and pool drain times were altered for a pneumatic tube rupture.

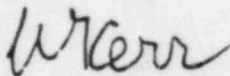
Table 14.1, page 58:

Pneumatic tube flow rates and drain times altered somewhat due to the change in tube diameter.

Section 14.3, page 59-64:

A failed experiment analysis was added. A failed experiment would cause the most severe release of radioactivity from the facility to the environment, but activity limits are placed on experiments such that MPC exposures are not exceeded.

Sincerely,

A handwritten signature in cursive script, appearing to read "W Kerr".

William Kerr, Director
Michigan Memorial-Phoenix Project

Enclosure