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TO: Mr. Benard C. Rusche

FROM: Iowa Elect Light & Power Co.
Cedar Rapids, Iowa
Larry D. Root

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ENCLOSURE

Furnishing response to question No. 2
contained in NRC 02-28-77 ltr. Regarding
Reactor Core Stability decay ratio.....

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(40 Encl Rec'd)

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IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office
CEDAR RAPIDS, IOWA

March 28, 1977
IE-77-639

LEE LIU
VICE PRESIDENT - ENGINEERING

Regulatory

File Cy.



Mr. Benard C. Rusche, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D.C. 20545

Dear Mr. Rusche:

This submittal is to supplement our application dated January 31, 1977 and amended March 15, 1977.

The enclosed response is to question number 2 contained in your February 28, 1977 Request for Additional Information.

Three signed and notarized originals and 40 additional copies are transmitted herewith.

This submittal consisting of the foregoing letter and enclosures hereto, is true and accurate to the best of my knowledge and belief.

IOWA ELECTRIC LIGHT AND POWER COMPANY

BY: Larry D. Root
Lee Liu *for*
Vice President, Engineering

LL/KAM/D

Encls.

cc: K. Meyer
D. Arnold
R. Lowenstein
J. Wetmore (NRC)
L. Root
J-60A

Subscribed and Sworn to before me on
this 28 day of March, 1977.

Jean R. Smith
Notary Public in and for the State
of Iowa.

Jean R. Smith
NOTARY PUBLIC
STATE OF IOWA
Commission Expires
September 30, 1978

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DUANE ARNOLD ENERGY CENTER

Question 2.

Propose changes to the Technical Specifications which will have the effect of limiting the Reactor Core stability decay ratio, X_2/X_0 , to no greater than 0.50. Provide a thermal-hydraulic stability analysis which demonstrates that during limiting reactor core stability conditions, as permitted by the proposed specifications, the decay ratio does not exceed 0.50.

Response:

General Electric has recently submitted a generic report on stability to the NRC staff for review. In addition, a test will be conducted in a domestic BWR in the near future to validate the analyses provided to date.

Until such time as the review of the above analyses or subsequent analyses are completed, Iowa Electric commits to conduct no planned reactor operation at natural circulation flow.