



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

MAY 27 1976

Docket No. 50-293

Dennis L. Ziemann, Chief, Operating Reactors Branch #2, DPM
THRU: Zoltan R. Rosztoczy, Chief, Analysis Branch, DSS

REQUEST FOR ADDITIONAL INFORMATION - PILGRIM UNIT 1

Document Name: Pilgrim Unit 1
Docket No.: 50-293
Licensing Stage: Post OL
Milestone No.: 5 Additional Information Requests
Responsible Branch and Project Manager: LWR-2, P. O'Connor
Technical Review Branch Involved: Analysis Branch
Description of Review: Supplemental Questions
Requested Completion Date: N/S
Review Status: Additional Information Requested

To assist completion of our review of the proposed single loop operation for the Pilgrim Unit 1 plant, the additional information requested in the enclosure will be needed.

Paul Norian

Paul E. Norian, Section Leader
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cc: D. Ross
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~~P. O'Connor~~
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BOSTON EDISON COMPANY

PILGRIM UNIT 1

DOCKET NO. 50-293

REVIEW OF SINGLE LOOP OPERATION

REQUEST FOR ADDITIONAL INFORMATION

1. Furnish, in graphical form, the results of a complete DBA LOCA calculation for Pilgrim when operating in the single recirculation loop mode. Also, provide the results of a complete break spectrum analysis to demonstrate that the DBA is the limiting case. The parameters of interest are as follows:

Peak Clad Temperature (ruptured and unruptured nodes)

Reactor Vessel Pressure

Water Level Inside the Shroud

Thermal Power

Heat Transfer Coefficients

2. Provide a set of calculations as a function of core life for Pilgrim to justify selection of the MAPLHGR curve. The above parameters should be provided in graphical form.

JUN 8 1982

The noise levels at Cooper during SLO may not be same as other BWRs, and it may vary during different power and flow conditions. We believe the proposed method to determine the operating margins for the flux noise and core plate delta noise during SLO give sufficient conservatism to satisfy our BF-1 concerns hence is acceptable. The licensee may be informed accordingly.

Original Signed By
Themis P. Speis

Themis P. Speis, Assistant Director
for Reactor Safety, DSI

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- D. Vassallo
- R. Clark
- C. Berlinger
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- RSB Section B Members
- G. Thomas

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