



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

OCT 30 1981

Docket Nos. 50-440
and 50-441

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Mr. Dalwyn R. Davidson
Vice President - Engineering
The Cleveland Electric Illuminating Company
Post Office Box 5000
Cleveland, Ohio 44101

Dear Mr. Davidson:

Subject: Request for Additional Information - Reactor Physics

In the performance of the Perry licensing review, the staff has identified concerns in regard to reactor physics. The information that we require is identified in the enclosure.

We request that you provide the information not later than November 15, 1981. If you require any clarification of this request, please contact me at 301-492-8430.

Sincerely,

M. Dean Houston
M. Dean Houston, Project Manager
Licensing Branch No. 2
Division of Licensing

Enclosure:
Request for Additional
Information

cc w/enclosure:
See next page



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SURNAME	DHouston/	ASchwencer					
DATE	10/30/81	10/30/81					

OCT 30 1981

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SEP 17 1981

QUESTIONS FOR PERRY

- 491.1
(4.3.2.4) Provide a discussion of the Standby Liquid Control System. The discussion should include a curve of the core boron concentration required to shut down the reactor from full power (assuming no control rod motion) at the time in life at which the greatest amount of boron is needed. Any differences between this curve and values for hot shutdown conditions given in Table 3.4.3 of NEDE-24222, "Assessment of BWR Mitigation of ATWS, Volume 1," should be explained.