

APR 2 1982

Docket Nos. 50-440/441

Mr. Dalwyn R. Davidson
Vice President
System Engineering and Construction
The Cleveland Electric Illuminating Company
P. O. Box 5000
Cleveland, Ohio 44101

Dear Mr. Davidson:

Subject: Perry Nuclear Power Plant (Units 1 and 2): Request for
Additional Information on Unresolved Mechanical Engineering
Branch Items.

Enclosure (1) lists additional questions which were concluded from your meeting with the Mechanical Engineering Branch staff on March 9, 1982. We understand that CEI is already in the process of addressing these questions and expects to provide satisfactory responses in time for the review staff to complete their SER writeups.

We accordingly anticipate your responses not later than April 7, 1982. Please advise John Stefano, the Perry project manager, if you will be unable to provide your response by that date.

Sincerely,

A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing

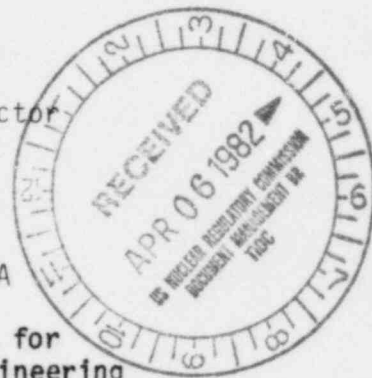
Enclosure:
As stated

cc: See next page

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MECHANICAL ENGINEERING BRANCHSection 3.2 - Seismic Classification

- 1) The application should clarify whether the main steam and feed-water piping and supports located in the auxiliary and turbine building are analyzed and designed for the OBE and SSE.

Section 3.6 - Pipe Rupture

- 2) Pipe whip restraints to be finalized and provided in FSAR. (DSER 3.6-29)
- 3) The applicant to specify that the augmented ISI program is applicable to all high-energy piping in the break exclusion region; not just MS and FW. (DSER 3.6-9)
- 4) Applicant needs to clarify the criteria used for the design of pipe whip restraints that also function as pipe supports. (DSER 3.6-24)

Section 3.9 - Mechanical Components

- 5) The applicant must provide additional information for the resolution of the cracking of the jet pump holddown beams. (DSER 3.9-17)
- 6) The applicant must provide additional information regarding the system modifications and performance testing to be performed on the CRD return line (NUREG-0619). (DSER 3.9-18)
- 7) The applicant must provide the program for the inservice testing of pumps and valves. (DSER 3.9-39)
- 8) The applicant to provide a response to the leak testing of pressure isolation valves. (DSER 3.9-20)
- 9) The applicant to provide the program for preservice exam and pre-operational testing of snubbers. (DSER 3.9-37)
- 10) The applicant to provide the specific loads, load combination, and acceptance criteria for piping in the wetwell that are affected by hydrodynamic loads.
- 11) The applicant to document the annulus pressurization study. (DSER 3.9-34)
- 12) The applicant to provide assurance that the FW check valves can function following a line break outside containment.

- (13) The applicant to verify whether the spring hangers on the SRV piping can accommodate the additional weight of water during the alternate shutdown cooling mode. (DSER 3.9-35)
- (14) The applicant must clarify the criteria used to evaluate stresses in the break exclusion region of the feedwater piping and other non-seismic Category I.
- (15) The applicant to provide test results that show functional capability of BOP piping systems is assured at ASME Service Level C stress limits. The staff accepts the use of GE Topical NEDO-21985.
- (16) The applicant must provide to the staff for review and approval its comprehensive reactor internals vibration test program for a prototype reactor (BWR6-238 inch).
- (17) IE 79-02 to be resolved.