

February 7, 2000

Mr. John K. Wood
Vice President - Nuclear, Perry
FirstEnergy Nuclear Operating Company
P.O. Box 97, A200
Perry, OH 44081

SUBJECT: PERRY NUCLEAR POWER PLANT, UNIT 1 - REQUEST FOR ADDITIONAL
INFORMATION (RAI) RELATED TO LICENSE AMENDMENT REQUESTING
POWER UPRATE (TAC NO. MA6459)

Dear Mr. Wood:

The staff is continuing its review of your application dated September 9, 1999 (PY-CEI/NRR-2420L), regarding a proposed power uprate at the Perry Nuclear Power Plant, Unit 1.

In order to evaluate the proposed amendment request, the staff has identified a need for additional information in order to complete their review. The enclosed RAI, which has been forwarded from NRR's Mechanical and Civil Engineering Branch, has been discussed with Mr. Gary Rhoads of your staff. It is our understanding that you plan to respond to the enclosed RAI by March 9, 2000.

Sincerely,

/RA/

Douglas V. Pickett, Sr. Project Manager, Section 2
Project Directorate III
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket No. 50-440

Enclosure: As stated

cc w/encl: See next page

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*See previous concurrence

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J. Wood
FirstEnergy Nuclear Operating Company

Perry Nuclear Power Plant, Units 1 and 2

cc:

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REQUEST FOR ADDITIONAL INFORMATION
PROPOSED AMENDMENT FOR POWER UPRATE
PERRY NUCLEAR POWER PLANT
MECHANICAL AND CIVIL ENGINEERING BRANCH

1. In Section 3.11 of NEDC-32907P, "Safety Analysis Report for Perry 5% Thermal Power Uprate," provide the calculated maximum stresses and fatigue usage factor, and code allowable limits for the most critical piping systems evaluated. Identify the supports (if any) and their piping systems that require modification to justify compliance to code requirements for the power uprate.
2. Discuss the functionality of safety-related mechanical components (including air-operated valves, safety relief valves, pumps and other safety-related valves not covered within Generic Letter 89-10) affected by the power uprate to ensure that the performance specifications and technical specification requirements (e.g., flow rate, close and open times) will be met for the proposed power uprate. Confirm all safety-related valves will be capable of performing their intended function(s) following the power uprate including such affected parameters as fluid flow, temperature, pressure and differential pressure, and ambient temperature conditions. Identify mechanical components for which functionality at the uprated power level could not be established in the absence of physical modifications, and provide these proposed modifications, if necessary.