

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

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

Distribution

File Center	PUBLIC	OGC	AMendiola
PDIII-2 R/F	ACRS	THarris	DPickett
GGrant, R3	SBlack	LBerry	CWu

**DOCUMENT NAME: G:\PDIII-2\PERRY\Power Uprate Files\john wu's rai.wpd**

**TO RECEIVE A COPY OF THIS DOCUMENT, INDICATE IN THE BOX: "C" = COPY WITHOUT ENCLOSURES "E" = COPY WITH ENCLOSURES "N"**

OFFICE	PM:LPD3	LA:LPD3	BC:EMEB	SC:LPD3	
NAME	D Pickett	T Harris	E Imbro*	A Mendiola	
DATE	2/4/00	2/4/00	2/ 3 /00	2/4/00	2/ /00

\*See previous concurrence

**OFFICIAL RECORD COPY**

J. Wood  
FirstEnergy Nuclear Operating Company

Perry Nuclear Power Plant, Units 1 and 2

cc:

Mary E. O'Reilly  
FirstEnergy Corporation  
76 South Main St.  
Akron, OH 44308

James R. Williams, Executive Director  
Ohio Emergency Management Agency  
2855 West Dublin Granville Road  
Columbus, OH 43235-7150

Resident Inspector's Office  
U.S. Nuclear Regulatory Commission  
P.O. Box 331  
Perry, OH 44081-0331

Mayor, Village of Perry  
P.O. Box 100  
Perry, OH 44081-0100

Regional Administrator, Region III  
U.S. Nuclear Regulatory Commission  
801 Warrenville Road  
Lisle, IL 60532-4531

Radiological Health Program  
Ohio Department of Health  
P.O. Box 118  
Columbus, OH 43266-0118

Sue Hiatt  
OCRE Interim Representative  
8275 Munson  
Mentor, OH 44060

Ohio Environmental Protection  
Agency  
DERR--Compliance Unit  
ATTN: Mr. Zack A. Clayton  
P.O. Box 1049  
Columbus, OH 43266-0149

Gregory A. Dunn  
Manager - Regulatory Affairs  
FirstEnergy Nuclear Operating Company  
Perry Nuclear Power Plant  
P.O. Box 97, A210  
Perry, OH 44081

Chairman  
Perry Township Board of Trustees  
3750 Center Road, Box 65  
Perry, OH 44081

William R. Kanda, Jr., Plant Manager  
FirstEnergy Nuclear Operating Company  
Perry Nuclear Power Plant  
P.O. Box 97, SB306  
Perry, OH 44081

State of Ohio  
Public Utilities Commission  
East Broad Street  
Columbus, OH 43266-0573

Mayor, Village of North Perry  
North Perry Village Hall  
4778 Lockwood Road  
North Perry Village, OH 44081

Donna Owens, Director  
Ohio Department of Commerce  
Division of Industrial Compliance  
Bureau of Operations & Maintenance  
6606 Tussing Road  
P. O. Box 4009  
Reynoldsburg, OH 43068-9009

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.