

January 17, 2006

Mr. Richard Anderson
Vice President
FirstEnergy Nuclear Operating Company
Mail Stop A-PY-A290
P.O. Box 97, 10 Center Road
Perry, Ohio 44081

SUBJECT: PERRY NUCLEAR POWER PLANT, UNIT 1 - REQUEST FOR ADDITIONAL
INFORMATION RELATED TO OSCILLATION POWER RANGE MONITORS
(TAC NO. MC7489)

Dear Mr. Anderson:

By letter to the Nuclear Regulatory Commission (NRC) dated July 5, 2005, FirstEnergy Nuclear Operating Company submitted a request for a license amendment to modify the existing Technical Specification 3.3.1.3, "Oscillation Power Range Monitor (OPRM) Instrumentation," Surveillance Requirement 3.3.1.3.5, for the Perry Nuclear Power Plant, Unit 1.

The NRC staff is reviewing your submittal and has determined that additional information is required to complete the review. The specific information requested is addressed in the enclosure to this letter, and was forwarded to your staff on November 30, 2005. During a discussion with your staff, it was agreed that you would provide a response 120 days from the date of this letter.

The NRC staff considers that timely responses to requests for additional information help ensure sufficient time is available for staff review and contribute toward the NRC's goal of efficient and effective use of staff resources. If circumstances result in the need to revise the requested response date, please contact me at (301) 415-1496.

Sincerely,
/RA by S.Sands for/

Kahtan N. Jabbour, Senior Project Manager
Plant Licensing Branch III-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-440

Enclosure: As stated

cc w/encl: See next page

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Perry Nuclear Power Plant, Unit 1

cc:

David W. Jenkins, Attorney
FirstEnergy Corporation
Mail Stop A-GO-18
76 South Main Street
Akron, OH 44308

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

Regional Administrator, Region III
U.S. Nuclear Regulatory Commission
2443 Warrenville Road
Lisle, IL 60532-4531

Sue Hiatt
OCRE Interim Representative
8275 Munson
Mentor, OH 44060

Manager - Regulatory Compliance
FirstEnergy Nuclear Operating Company
Perry Nuclear Power Plant
P.O. Box 97, A210
10 Center Road
Perry, OH 44081

Mayor, Village of North Perry
North Perry Village Hall
4449 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

Carol O'Claire, Chief, Radiological Branch
Ohio Emergency Management Agency
2855 West Dublin Granville Road
Columbus, OH 43235-7150

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

Dennis Clum
Radiological Assistance Section Supervisor
Bureau of Radiation Protection
Ohio Department of Health
P.O. Box 118
Columbus, OH 43266-0118

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

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

Daniel Z. Fisher
Transportation Department
Public Utilities Commission
180 East Broad Street
Columbus, OH 43215-3793

Joseph J. Hagan
Senior Vice President of Operations and
Chief Operating Officer
First Energy Nuclear Operating Company
Mail Stop A-GO-14
76 South Main Street
Akron, OH 44308

Director, Regulatory Affairs
FirstEnergy Nuclear Operating Company
395 Ghent Road
Akron, OH 44333

Gary R. Leidich
President and Chief Nuclear Officer
FirstEnergy Nuclear Operating Company
Mail Stop A-GO-19
76 South Main Street
Akron, OH 44308

Perry Nuclear Power Plant, Unit 1

cc:

Danny L. Pace
Senior Vice President, Fleet Engineering
FirstEnergy Nuclear Operating Company
Mail Stop A-GO-14
76 South Main Street
Akron, OH 44308

Jeannie M. Rinckel
Vice President, Fleet Oversight
FirstEnergy Nuclear Operating Company
Mail Stop A-GO-14
76 South Main Street
Akron, OH 44308

Manager, Fleet Licensing
FirstEnergy Nuclear Operating Company
Mail Stop A-GHE-107
395 Ghent Road
Akron, OH 44333

L. W. Pearce
Vice President
FirstEnergy Nuclear Operating Company
Perry Nuclear Power Plant
Mail Stop A-PY-A290
P.O. Box 97, 10 Center Road
Perry, OH 44081-0097

Manager, Site Regulatory Compliance
FirstEnergy Nuclear Operating Company
Perry Nuclear Power Plant
Mail Stop A-PY-A200
P.O. Box 97, 10 Center Road
Perry, OH 44081-0097

REQUEST FOR ADDITIONAL INFORMATION
RELATED TO OSCILLATION POWER RANGE MONITORS
PERRY NUCLEAR PLANT, UNIT 1
DOCKET NO. 50-440

In reviewing the FirstEnergy Nuclear Operating Company's (FirstEnergy) July 5, 2005, (Agencywide Documents Access and Management System Accession Number ML051940205) request to modify Technical Specification (TS) Surveillance Requirement 3.3.1.3.5, the NRC staff has determined that the following information is needed in order to complete its review:

1. On page 1 of the cover letter, the second paragraph states that the Perry Nuclear Plant, Unit 1 (Perry) is currently operating with the oscillation power range monitors enabled at \$ 23.8-percent rated thermal power. This is below the TS value of 28.6-percent rated thermal power. Please document the historical basis for the 23.8-percent rated thermal power value.
2. On page 4 of Attachment 2, the fourth paragraph states that General Electric developed an analytical method which can be used to explain the interactive corrective action (ICA) and enabled regions. The methodology is called backup stability protection (BSP) analysis and is used to redraw the power to flow map. The BSP analysis uses plant-specific inputs to develop decay ratios. The decay ratios are then used to adjust the ICA regions in order to provide stability protection. Please summarize the Perry-specific applicability for decay ratio.

Enclosure