



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

March 19, 2013

Mr. Michael J. Pacilio  
President and Chief Nuclear Officer  
Exelon Nuclear  
4300 Winfield Road  
Warrenville, IL 60555

SUBJECT: THREE MILE ISLAND NUCLEAR STATION, UNIT 1 - REQUEST FOR  
ADDITIONAL INFORMATION REGARDING FIFTH INSERVICE TEST  
INTERVAL RELIEF REQUEST PR-01 NUCLEAR SERVICES CLOSED  
COOLING WATER FLOW MEASUREMENT (TAC NO. MF0046)

Dear Mr. Pacilio:

By letter dated November 7, 2012 (Agencywide Documents Access and Management System Accession No. ML12313A344), Exelon Generation Company, LLC (Exelon, the licensee) submitted a set of relief requests for U.S. Nuclear Regulatory Commission (NRC) approval. The relief requests were associated with the fifth inservice test interval at Three Mile Island Nuclear Station, Unit 1. This letter applies only to request PR-01, "Relief Request Concerning Nuclear Services Closed Cooling Water Flow Rate Measurement During Group A Tests In Accordance with 10 CFR 50.55a(f)(5)(iii)." PR-01 proposes an alternative test method, as compared to the requirements of American Society of Mechanical Engineers Code for Operation and Maintenance of Nuclear Power Plants, 2004 Edition, with addenda through OMB-2006, ISTB-5121(b). The alternative test method is being proposed, in part, due to the lack of installed individual pump flow instrumentation.

The NRC staff has been reviewing the submittal and has determined that additional information is needed to complete its review. The specific question is found in the enclosed request for additional information (RAI). The question was sent via electronic transmission on March 5, 2013, to Mr. Thomas Loomis, of your staff. The draft question was sent to ensure that it was understandable, the regulatory basis was clear, and to determine if the information was previously docketed. The draft question was discussed in a teleconference with your staff on March 14, 2013. It was agreed that a response to this RAI would be submitted by April 19, 2013.

Please contact me at 301-415-2833, if you have any questions.

Sincerely,

A handwritten signature in black ink that reads "Peter Bamford".

Peter Bamford, Project Manager  
Plant Licensing Branch I-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket No. 50-289

Enclosure:  
RAI

cc: Distribution via Listserv

REQUEST FOR ADDITIONAL INFORMATION  
THREE MILE ISLAND NUCLEAR STATION, UNIT 1  
FIFTH INSERVICE TEST INTERVAL RELIEF REQUEST PR-01  
NUCLEAR SERVICES CLOSED COOLING WATER FLOW MEASUREMENT  
DOCKET NO. 50-289

By letter dated November 7, 2012 (Agencywide Documents Access and Management System Accession No. ML12313A344), Exelon Generation Company, LLC, submitted three relief requests for U.S. Nuclear Regulatory Commission (NRC) approval (PR-01, PR-02, and VR-02). These relief requests apply to the fifth inservice test interval at Three Mile Island Nuclear Station, Unit 1. This request for additional information applies only to request PR-01, "Relief Request Concerning Nuclear Services Closed Cooling Water Flow Rate Measurement During Group A Tests In Accordance with 10 CFR 50.55a(f)(5)(iii)." PR-01 proposes an alternative test method, as compared to the requirements of American Society of Mechanical Engineers Code for Operation and Maintenance of Nuclear Power Plants, 2004 Edition, with addenda through OMB-2006, ISTB-5121(b). The alternative test method is being proposed, in part, due to the lack of installed individual pump flow instrumentation. The NRC staff has been reviewing the submittal and has determined that additional information is needed to complete its review.

Request for Additional Information:

- 1.) In the attachment to letter dated November 7, 2012, Relief Request PR-01, Section 6, "Proposed Alternative and Basis for Use," it is stated that, "Individual pump flow rates will be calculated and compared against individual pump flow rate reference values." Please describe the methodology used to calculate the individual pump flow rates and how the reference values were established.

Enclosure

March 19, 2013

Mr. Michael J. Pacilio  
President and Chief Nuclear Officer  
Exelon Nuclear  
4300 Winfield Road  
Warrenville, IL 60555

**SUBJECT: THREE MILE ISLAND NUCLEAR STATION, UNIT 1 - REQUEST FOR ADDITIONAL INFORMATION REGARDING FIFTH INSERVICE TEST INTERVAL RELIEF REQUEST PR-01 NUCLEAR SERVICES CLOSED COOLING WATER FLOW MEASUREMENT (TAC NO. MF0046)**

Dear Mr. Pacilio:

By letter dated November 7, 2012 (Agencywide Documents Access and Management System Accession No. ML12313A344), Exelon Generation Company, LLC (Exelon, the licensee) submitted a set of relief requests for U.S. Nuclear Regulatory Commission (NRC) approval. The relief requests were associated with the fifth inservice test interval at Three Mile Island Nuclear Station unit 1. This letter applies only to request PR-01, "Relief Request Concerning Nuclear Services Closed Cooling Water Flow Rate Measurement During Group A Tests In Accordance with 10 CFR 50.55a(f)(5)(iii)." PR-01 proposes an alternative test method, as compared to the requirements of American Society of Mechanical Engineers Code for Operation and Maintenance of Nuclear Power Plants, 2004 Edition, with addenda through Omb-2006, ISTB-5121(b). The alternative test method is being proposed, in part, due to the lack of installed individual pump flow instrumentation.

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Please contact me at 301-415-2833, if you have any questions.

Sincerely,

/ra/

Peter Bamford, Project Manager  
Plant Licensing Branch I-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket No. 50-289

Enclosure:

RAI

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ADAMS Accession Number: ML13066A244 \* via email

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