



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

December 3, 2012

Mr. Michael J. Pacilio  
Senior Vice President  
Exelon Generation Company, LLC  
President and Chief Nuclear Officer (CNO)  
Exelon Nuclear  
4300 Winfield Road  
Warrenville, IL 60555

SUBJECT: QUAD CITIES NUCLEAR POWER STATION, UNITS 1 AND 2 - REQUEST FOR ADDITIONAL INFORMATION RELATED TO RELIEF REQUEST, RV-04, FROM ASME OM CODE ISTC-5150, SOLENOID-OPERATED VALVES ASSOCIATED WITH THE FIFTH INSERVICE TESTING (TAC NOS. ME7981 AND ME7982)

Dear Mr. Pacilio:

By letter to the U.S. Nuclear Regulatory Commission (NRC) dated February 15, 2012 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML12046A334), Exelon Generation Company, LLC submitted a relief request from requirements of the American Society of Mechanical Engineers Operation and Maintenance Code. Specifically, Code ISTC-5150, Solenoid-Operated Valves for the Quad Cities Nuclear Power Station, Units 1 and 2.

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. During a discussion with your staff on November 15, 2012, it was agreed that you would provide a response by December 10, 2012.

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 Carolyn Faria at (301) 415-4050.

Sincerely,

A handwritten signature in black ink, appearing to read "Brenda Mozafari".

Brenda Mozafari, Senior Project Manager  
Plant Licensing Branch III-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-254 and 50-265

Enclosure: Request for Additional Information

cc w/encl: Distribution via Listserv

REQUEST FOR ADDITIONAL INFORMATION

REGARDING QUAD CITIES NUCLEAR POWER STATION, UNITS 1 AND 2

RELIEF REQUEST REGARDING ASME OM CODE 2004 EDITION

DOCKET NOS. 50-254 AND 50-265

By letter to the U.S. Nuclear Regulatory Commission (NRC) dated February 15, 2012 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML12046A334), Exelon Generation Company, LLC submitted a relief request from requirements of the American Society of Mechanical Engineers (ASME) Operation and Maintenance Code. Specifically, Code ISTC-5150, Solenoid-Operated Valves for the Quad Cities Nuclear Power Station, Units 1 and 2. The NRC staff has been reviewing the submittal and has determined that the following additional information is needed to complete its review.

1. In relief request RV-04, Section 4.0, "Impracticability of Compliance," the first paragraph, first sentence states, "Pursuant to 10 CFR 50.55a, "Codes and Standards," paragraph (f)(5)(iii), relief is requested from the requirement of ASME, Code of Operation and Maintenance, paragraph ISTC-5150." ISTC-5150 contains paragraphs ISTC-5151, ISTC-5152, ISTC-5153, and references requirements ISTC-3500, ISTC-3300, ISTC-3310, and ISTC-3320. Clarify from which paragraphs of the ISTC of the ASME OM Code is relief being requested.
2. Section 5.0, "Burden Caused by Compliance," states "Compliance with the quarterly exercising and stroke timing requirements of the Code would require either system modifications to replace these valves with ones of testable design, or to purchase non-intrusive test equipment and develop new test methods and procedures." Justify why modifying the system by replacing these valves with a testable design, or purchasing non-intrusive test equipment, is not feasible (i.e., cost, planning or new method and procedure).
3. Section 6.0, "Proposed Alternative and Basis for Use," does not provide any operational history (i.e., maintenance and reliability data) or note any failures of solenoid-operated valves 1(2)-2301-032-SO. Provide details of operational history and information regarding any failure of these valves. Also, describe how often the internals for these valves have been replaced or repaired, and note any defects identified during maintenance activities for the fourth 10-year inservice testing interval.
4. Provide the details about chances of failures of solenoid-operated valves 1(2)-2301-032-SO during normal and emergency operations (i.e. operational history).

Mr. Michael J. Pacilio  
 Senior Vice President  
 Exelon Generation Company, LLC  
 President and Chief Nuclear Officer (CNO)  
 Exelon Nuclear  
 4300 Winfield Road  
 Warrenville, IL 60555

SUBJECT: QUAD CITIES NUCLEAR POWER STATION, UNITS 1 AND 2 - REQUEST FOR ADDITIONAL INFORMATION RELATED TO RELIEF REQUEST, RV-04, FROM ASME OM CODE ISTC-5150, SOLENOID-OPERATED VALVES ASSOCIATED WITH THE FIFTH INSERVICE TESTING (TAC NOS. ME7981 AND ME7982)

Dear Mr. Pacilio:

By letter to the U.S. Nuclear Regulatory Commission (NRC) dated February 15, 2012 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML12046A334), Exelon Generation Company, LLC submitted a relief request from requirements of the American Society of Mechanical Engineers Operation and Maintenance Code. Specifically, Code ISTC-5150, Solenoid-Operated Valves for the Quad Cities Nuclear Power Station, Units 1 and 2.

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. During a discussion with your staff on November 15, 2012, it was agreed that you would provide a response by December 10, 2012.

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 Carolyn Faria at (301) 415-4050.

Sincerely,

/ RA /

Brenda Mozafari, Senior Project Manager  
 Plant Licensing Branch III-2  
 Division of Operating Reactor Licensing  
 Office of Nuclear Reactor Regulation

Docket Nos. 50-254 and 50-265

Enclosure: Request for Additional Information

cc w/encl: Distribution via Listserv

DISTRIBUTION:

|                               |                         |                              |
|-------------------------------|-------------------------|------------------------------|
| PUBLIC                        | LPL3-2 R/F Resource     | RidsNrrDorLpl3-2 Resource    |
| RidsNrrLASRohrer Resource     | RidsOgcRp Resource      | RidsRgn3MailCenter           |
| RidsAcrsAcnw_MailCTR Resource | RidsNrrDorIDpr Resource | RidsNrrPMQuadCities Resource |

ADAMS Accession No. ML12325B112

| OFFICE | LPL3-2/PE  | LPL3-2/LA   | LPL3-2/BC  | LPL3-2/PM    |
|--------|------------|-------------|------------|--------------|
| NAME   | CFaria     | SRohrer     | MDudek     | NDifrancesco |
| DATE   | 11 /27 /12 | 11 / 26 /12 | 11 /30/ 12 | 12/ 03 /12   |