



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

May 23, 2011

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

SUBJECT: PEACH BOTTOM ATOMIC POWER STATION, UNITS 2 AND 3 - REQUEST FOR ADDITIONAL INFORMATION REGARDING RELIEF REQUEST I4R-52 CONCERNING ALTERNATIVES TO REACTOR VESSEL WELD EXAMINATIONS (TAC NOS. ME5394 AND ME5395)

Dear Mr. Pacilio:

By letter to the Nuclear Regulatory Commission (NRC) dated January 24, 2011 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML110250147), Exelon Generation Company, LLC, (Exelon) submitted Relief Request I4R-52 for Peach Bottom Atomic Power Station (PBAPS), Units 2 and 3. The relief request would provide relief from the American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Section XI, "Rules for Inservice Inspection of Nuclear Power Plant Components." The relief request proposes an alternative to the requirements contained in Table IWB-2500-1 concerning nozzle-to-vessel weld and nozzle inner radii examinations. The NRC staff has reviewed the relief request submitted by the licensee and determined that additional information is needed as set forth in the Enclosure.

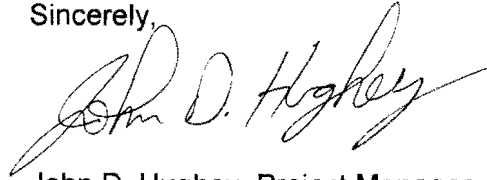
The draft questions were sent to Mr. Tom Loomis, of your staff, to ensure that the questions were understandable, the regulatory basis for the questions was clear, and to determine if the information was previously docketed. On May 16, 2011, Mr. Loomis indicated that the licensee will submit a response by June 3, 2011. Please note that if you do not respond to this letter by the agreed-upon date or provide an acceptable alternate date in writing, we may reject your application for amendment under the provisions of Title 10 of the *Code of Federal Regulations*, Section 2.108.

M. Pacilio

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If you have any questions, please contact me at (301) 415-3204.

Sincerely,

A handwritten signature in black ink, appearing to read "John D. Hughey". The signature is fluid and cursive, with a large initial "J" and "H".

John D. Hughey, Project Manager
Plant Licensing Branch I-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-277 and 50-278

Enclosure:
As stated

cc w/encl: Distribution via ListServ

REQUEST FOR ADDITIONAL INFORMATION REGARDING
RELIEF REQUEST I4R-52 CONCERNING NOZZLE-TO-VESSEL
WELD AND INNER RADII EXAMINATIONS
PEACH BOTTOM ATOMIC POWER STATION, UNITS 2 AND 3
DOCKET NOS. 50-277 AND 50-278

By letter to the Nuclear Regulatory Commission (NRC) dated January 24, 2011 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML110250147), Exelon Generation Company, LLC, (Exelon) submitted Relief Request I4R-52 for Peach Bottom Atomic Power Station (PBAPS), Units 2 and 3. The relief request would provide relief from the American Society of Mechanical Engineers Boiler and Pressure Vessel Code (ASME Code), Section XI, "Rules for Inservice Inspection of Nuclear Power Plant Components." The relief request proposes an alternative to the requirements contained in Table IWB-2500-1 concerning nozzle-to-vessel weld and nozzle inner radii examinations. The NRC staff has reviewed Exelon's submittal and determined that additional information, as described below, is needed to complete the review.

Enclosure 3 to Relief Request I4R-52 lists inspection results for the nozzles for which an alternative is being requested. The NRC staff notes that all the inspection results listed are from the third or fourth inspection interval.

- RAI-01: Clarify whether all the inspection results for the life of each unit are included or only those conducted in accordance with Appendix VIII to the ASME Code, Section XI, "Performance Demonstration for Ultrasonic Examination Systems."
- RAI-02: Indicate which examinations listed in Enclosure 3 were conducted in accordance with Appendix VIII to the ASME Code, Section XI, "Performance Demonstration for Ultrasonic Examination Systems."

M. Pacilio

-2-

If you have any questions, please contact me at (301) 415-3204.

Sincerely,
/RA/

John D. Hughey, Project Manager
Plant Licensing Branch I-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-277 and 50-278

Enclosure:
As stated

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ADAMS Accession No.: ML111390152

*by memo dated ** via email

OFFICE	LPL1-2/PM	LPL1-2/LA	CVIB/BC	LPL1-2/BC
NAME	JHughey	ABaxter **	MMitchell*	HChernoff
DATE	5/23/2011	05/23/2011	04/12/2011	5/23/2011

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