



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

February 28, 2011

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

SUBJECT: PEACH BOTTOM ATOMIC POWER STATION, UNIT NOS. 2 AND 3: RELIEF REQUEST I4R-52 CONCERNING NOZZLE-TO-VESSEL WELD AND INNER RADII 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 purpose of this letter is to provide the results of the NRC staff's acceptance review of the relief request. The acceptance review was performed to determine if there is sufficient technical information to allow the NRC staff to complete its detailed technical review.

Pursuant to Sections 50.55a(a)(3)(i) and 50.55a(a)(3)(ii) of Title 10 of the *Code of Federal Regulations* (10 CFR), the applicant shall demonstrate that the proposed alternatives would provide an acceptable level of quality and safety, or that compliance with the specified requirements of Section 50.55a would result in hardship or unusual difficulty without a compensating increase in the level of quality or safety.

The NRC staff has reviewed your application and concluded that it does provide technical information in sufficient detail to enable the NRC staff to complete its detailed technical review and make an independent assessment regarding the acceptability of the proposed amendment in terms of regulatory requirements and the protection of public health and safety and the environment. Given the lesser scope and depth of the acceptance review as compared to the detailed technical review, there may be instances in which issues that impact the NRC staff's

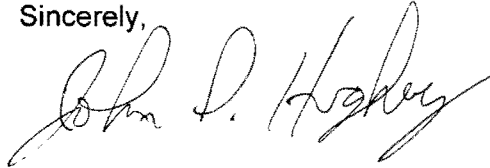
M. Pacilio

- 2 -

ability to complete the detailed technical review are identified despite completion of an adequate acceptance review. You will be advised of any further information needed to support the NRC staff's detailed technical review by separate correspondence.

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

cc: Distribution via ListServ

C. Pardee

- 2 -

ability to complete the detailed technical review are identified despite completion of an adequate acceptance review. You will be advised of any further information needed to support the NRC staff's detailed technical review by separate correspondence.

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

cc: Distribution via ListServ

**DISTRIBUTION:**

PUBLIC  
LPLI-2 R/F  
RidsAcrsAcnw\_MailCTR Resource  
RidsNrrDorI Resource  
RidsNrrDorIDpr Resource  
RidsNrrDorIPl1-2 Resource  
RidsNrrLAABaxter Resource  
RidsNrrPMJHughey Resource  
RidsOgcRp Resource  
RidsRgn1MailCenter Resource  
RidsNrrDciCvib Resource

**ADAMS Accession No.: ML110590472**

OFFICE	LPL1-2/PM	LPL1-2/LA	LPL1-2/BC
NAME	JHughey	ABaxter (SLittle for)	HChernoff
DATE	2/28/2011	2/28/2011	2/28/2011

**OFFICIAL RECORD COPY**