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

October 1, 2009

Mr. Charles G. Pardee
President and Chief Nuclear Officer
Exelon Nuclear
4300 Winfield Road
Warrenville, IL 60555

SUBJECT: PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 2: ACCEPTANCE OF REQUESTED LICENSING ACTION TO ALLOW A ONE-TIME CONTAINMENT TYPE A INTEGRATED LEAK RATE TEST EXTENSION (TAC NO. ME2159)

Dear Mr. Pardee:

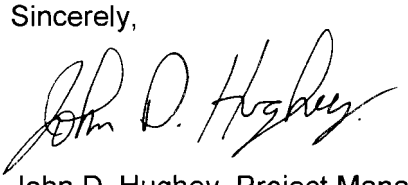
By letter to the Nuclear Regulatory Commission (NRC) dated August 28, 2009 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML092440053), Exelon Generation Company, LLC, (Exelon) submitted a license amendment request (LAR) for Peach Bottom Atomic Power Station (PBAPS), Unit 2. The LAR seeks to revise the PBAPS Unit 2 Technical Specifications (TSs) to modify TS 5.5.12, "Primary Containment Leakage Rate Testing Program." The proposed change would revise TS 5.5.12 to reflect a one-time extension of the containment Type A Integrated Leak Rate Test from 10 to 15 years. The purpose of this letter is to provide the results of the NRC staff's acceptance review of the LAR. The acceptance review was performed to determine if there is sufficient technical information to allow the NRC staff to complete its detailed technical review.

Consistent with Section 50.90 of Title 10 of the *Code of Federal Regulations* (10 CFR), an amendment to the license (including the technical specifications) must fully describe the changes requested, and following as far as applicable, the form prescribed for original applications. Section 50.34 of 10 CFR addresses the content of technical information required. This section stipulates that the submittal address the design and operating characteristics, unusual or novel design features, and principal safety considerations.

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 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 John Hughey at (301) 415-3204.

Sincerely,



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

Docket No. 50-277

cc: Distribution via ListServ

If you have any questions, please contact John Hughey 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 No. 50-277

cc: Distribution via ListServ

DISTRIBUTION:
PUBLIC
LPLI-2 R/F
RidsAcrsAcnw_MailCTR Resource
RidsNrrDorl Resource
RidsNrrDorlDpr Resource
RidsNrrDorlLpl1-2 Resource
RidsNrrLAABaxter Resource
RidsNrrPMPeachBottom Resource
RidsOgcRp Resource
RidsRgn1MailCenter Resource
RidsNrrDirsItsb Resource
RidsNrrDssScvb Resource
RidsNrrDeEmcb Resource
RidsNrrDraApla Resource

ADAMS Accession No.: ML092720586

OFFICE	LPL1-2/PM	LPL1-2/LA	LPL1-2/BC
NAME	JHughey	ABaxter	HChernoff
DATE	10/01/2009	10/01/2009	10/01/2009

OFFICIAL RECORD COPY