



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

May 13, 2013

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

SUBJECT: PEACH BOTTOM ATOMIC POWER STATION, UNITS 2 AND 3 -
TRANSMITTAL OF DRAFT SAFETY EVALUATION FOR PROPOSED
AMENDMENT RE: USE OF NEUTRON ABSORBING INSERTS IN SPENT
FUEL POOL STORAGE RACKS (TAC NOS. ME7538 AND ME7539)

Dear Mr. Pacilio:

By application dated November 3, 2011, as supplemented by letters dated December 22, 2011, April 4, 2012, May 17, 2012, June 21, 2012, August 15, 2012, November 13, 2012, and April 18, 2013 (Agencywide Documents Access and Management System (ADAMS) Accession Nos. ML113081441, ML113570208, ML12096A052, ML12139A404, ML12188A094, ML12228A474, ML12319A230, and ML131090073, respectively), Exelon Generation Company, LLC (Exelon, the licensee), requested changes to the Technical Specifications and Facility Operating Licenses for Peach Bottom Atomic Power Station, Units 2 and 3. The proposed license amendment would allow the use of neutron absorbing inserts in the spent fuel pool (SFP) storage racks for the purpose of criticality control in the SFPs.

Enclosed is the draft safety evaluation (SE) that the Nuclear Regulatory Commission (NRC) staff has prepared to support the proposed license amendment. The draft SE is being withheld from public disclosure at this time because it contains proprietary information pursuant to Section 2.390 of Title 10 of the *Code of Federal Regulations* (10 CFR). Proprietary information is identified by text enclosed within double brackets as shown here [[]].

The NRC staff requests that Exelon provide comments regarding the proprietary content in the draft SE within 5 business days from the date of this letter. The response timeframe was discussed with Mr. Tom Loomis of your staff on May 3, 2013.

Since the NRC review is not yet complete, this letter and the enclosure do not convey or represent an NRC staff position regarding the licensee's request. Should the amendment be approved, the NRC staff will issue a publicly available, nonproprietary version of the SE.

*Enclosure transmitted herewith contains
sensitive unclassified information.
When separated from enclosure, this transmittal
document is decontrolled.*

M. Pacilio

- 2 -

If you have any questions regarding this matter, I may be reached at 301-415-1420.

Sincerely,

A handwritten signature in black ink, appearing to read "R B Ennis". The signature is fluid and cursive, with the first name "R B" being more prominent and the last name "Ennis" written in a smaller, more connected script.

Richard B. Ennis, Senior 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:
Draft SE

cc w/o encl: Distribution via Listserv

M. Pacilio

- 2 -

If you have any questions regarding this matter, I may be reached at 304415-1420.

Sincerely,

/RA/

Richard B. Ennis, Senior 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:

Draft SE

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ADAMS Accession Nos.:

Package: ML13121A266

Cover letter: ML13121A288

Draft SE: ML13121A280 (non-publicly available) *via email

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