



**UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I**
2100 RENAISSANCE BOULEVARD, SUITE 100
KING OF PRUSSIA, PENNSYLVANIA 19406-2713

March 18, 2013

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

**SUBJECT: PEACH BOTTOM ATOMIC POWER STATION - NRC EMERGENCY
PREPAREDNESS ANNUAL INSPECTION REPORT NOS. 05000277/2012501,
05000278/2012501, 05000277/2012502, AND 05000278/2012502; NRC
SECURITY ANNUAL INSPECTION REPORT NOS. 05000277/2012401 AND
05000278/2012401**

Dear Mr. Pacilio:

On December 31, 2012, the U. S. Nuclear Regulatory Commission (NRC) staff completed its annual inspection of the Emergency Preparedness Program at Peach Bottom Atomic Power Station. This inspection began on January 1, 2012. Issuance of this letter closes Inspection Reports 05000277/2012501, 05000278/2012501, 05000277/2012502, and 05000278/2012502. Inspection activities charged to these reports include conducting mid-cycle/end of cycle assessment activities, responding to technical questions from resident inspectors or licensee personnel, and resident baseline inspection. Any observations and findings in this area were provided to you via separate correspondence.

On December 31, 2012, the NRC staff also completed its annual inspection of the Security Program at Peach Bottom Atomic Power Station. This inspection began on January 1, 2012. Issuance of this letter closes Inspection Reports 05000277/2012401 and 05000278/2012401. Inspection activities charged to these reports include conducting end of cycle assessment activities, following up on Suspicious Incident Database reports, responding to technical questions from resident inspectors or licensee personnel, and, in some cases, performing traditional enforcement activities. Any observations and findings in this area were provided to you via separate correspondence.

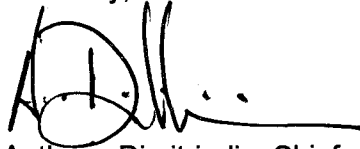
In accordance with 10 CFR 2.390 of the NRC's Rules of Practice, a copy of this letter, and your response, if any, will be available electronically in the NRC Public Document Room or from the Publicly Available Records.

M. Pacilio

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System (PARS) component of the NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

A handwritten signature in black ink, appearing to read 'AD' followed by a long horizontal line.

Anthony Dimitriadis, Chief
Plant Support Branch 1
Division of Reactor Safety

Docket Nos. 50-277, 50-278
License Nos. DPR-44, DPR-56

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System (PARS) component of the NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

/RA/

Anthony Dimitriadis, Chief
 Plant Support Branch 1
 Division of Reactor Safety

Docket Nos. 50-277, 50-278
 License Nos. DPR-44, DPR-56

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