



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

March 3, 2011

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. 05000277/2010501 AND 05000278/2010501; NRC SECURITY ANNUAL
INSPECTION REPORT NOS. 05000277/2010401 AND 05000278/2010401

Dear Mr. Pacilio:

On December 31, 2010, the NRC staff completed its annual inspection of the Emergency Preparedness Program at Peach Bottom Atomic Power Station. This inspection began on January 1, 2010. Issuance of this letter closes Inspection Reports 05000277/2010501 and 05000278/2010501. 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, in some cases, performing traditional enforcement activities. Any observations and findings in this area were provided to you via separate correspondence.

On December 31, 2010, the NRC staff also completed its annual inspection of the Security Program at Peach Bottom Atomic Power Station. This inspection began on January 1, 2010. Issuance of this letter closes Inspection Reports 05000277/2010401, and 05000278/2010401. Inspection activities charged to these reports include conducting mid-cycle/end of cycle assessment activities, following up on Suspicious Incident Database (SID) 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 for public inspection in the NRC Public Document Room or from the Publicly Available Records System (PARS) component of 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 "SKennedy", is written over the typed name.

Silas R. Kennedy, Acting Chief
Plant Support Branch 1
Division of Reactor Safety

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

M. Pacilio

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cc:

J. Kovalchick, Manager, Site Security
T. Levering, MD Emergency Response Director
A. Lauland, Director, MD Office of Homeland Security
G. Cannon, PA Emergency Management Agency (PEMA)
D. Hammons, RAC Chair, FEMA Region III

cc: Distribution via ListServ

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/RA/

Silas R. Kennedy, Acting Chief
Plant Support Branch 1
Division of Reactor Safety

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

SUNSI Review Complete: DCC (Reviewer's Initials)

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