



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

September 28, 2011

**LICENSEE:** Exelon Generation Company, LLC (Exelon)

**FACILITY:** Peach Bottom Atomic Power Station, Units 2 and 3

**SUBJECT:** SUMMARY OF JUNE 14, 2011, MEETING WITH EXELON RE: PROPOSED  
AMENDMENT REQUEST TO IMPLEMENT AN EXTENDED POWER UPRATE

On June 14, 2011, a Category 1 public meeting was held between members of the U.S. Nuclear Regulatory Commission (NRC) staff and representatives of Exelon Generation Company, LLC (Exelon) at NRC Headquarters, Two White Flint North, 11545 Rockville Pike, Rockville, Maryland. The purpose of the meeting was to discuss Exelon's proposal to submit a license amendment request to implement an extended power uprate (EPU) at Peach Bottom Atomic Power Station (PBAPS), Units 2 and 3. The proposed license amendment would increase the power to 112.5% of the current licensed power for both units. Exelon representatives delivered a presentation describing the results of preliminary analyses and major plant modifications that will be required to support the proposed EPU. The presentation slides provided by Exelon are available in the NRC Agencywide Documents Access and Management System (ADAMS) under Accession No. ML111610558.

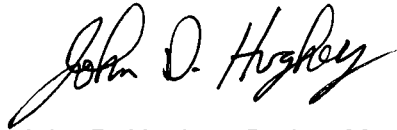
Discussions between the NRC staff and Exelon representatives regarding the presentation resulted in several comments related to the proposed submittal. The comments included a request that the submittal provide the emergency core cooling pump net positive suction head margin associated with the current licensing basis to aid in the comparison with the preliminary values shown on slide number 13 in the Exelon presentation. The NRC staff also noted that the reported preliminary margin values for some events are relatively low and may be a concern since the analysis values have no uncertainty allowance associated with them.

Exelon representatives noted that all of the design-basis events associated with alternate radiological source term evaluations will require re-analysis for the uprated power. The NRC staff responded that this aspect of the submittal alone can be a significant increase to the required review time. The NRC staff also advised that an outstanding unresolved item (URI) associated with the degradation of neutron absorbing panels in the PBAPS spent fuel pools (SFPs) may prevent the NRC staff from accepting the EPU license amendment request for review. [Reference: PBAPS - NRC Integrated Inspection Report 05000277/2010004 and 05000278/2010004, ADAMS Accession No. ML103140643; URI 05000277, 278/2010004-01, Non-conservative Technical Specification and Potential Non-compliance Associated with Degraded SFP Boraflex Panels.]

The meeting resulted in one open item. The NRC staff requested that Exelon provide an explanation of the technical basis for crediting containment accident pressure for non-loss-of-coolant accident design-basis events referenced on Exelon presentation slide number 13. The licensee provided information via e-mail on July 19, 2011, regarding this open item. The NRC staff identified that PBAPS calculation PM-1013, "Minimum Containment Pressure Available," Revision 3, page 19A (ADAMS Accession No. ML003731417), addressed available containment pressure for a Station Blackout (SBO) event. The calculation states that an evaluation of available containment pressure is not required for the SBO event because the PBAPS torus water temperature remains below the temperature where containment overpressure credit pressure is required. Therefore, the information referenced by the licensee appears to contradict the assertion on Exelon presentation slide number 13, that PBAPS credits containment overpressure margin for SBO events. This item remains open pending further clarification from the licensee.

No regulatory decisions were made during the meeting. The meeting concluded with an open portion for public questions and comment. There were two members of the public in attendance at the meeting, as well as several public participants via teleconference. Representatives of the Pennsylvania Department of Environmental Protection also participated by teleconference. A list of the meeting attendees is provided in the Enclosure.

Please direct any inquiries to me at 301-415-3204 or [John.Hughey@nrc.gov](mailto:John.Hughey@nrc.gov).

A handwritten signature in black ink, reading "John D. Hughey". The signature is fluid and cursive, with the first name "John" being the most prominent part.

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

Enclosure:  
List of Attendees

cc w/encl: Distribution via ListServ

LIST OF ATTENDEES

JUNE 14, 2011, MEETING WITH EXELON GENERATION COMPANY, LLC

DISCUSSION OF PROPOSED AMENDMENT REQUEST TO

IMPLEMENT AN EXTENDED POWER UPRATE

PEACH BOTTOM ATOMIC POWER STATION, UNITS 2 AND 3

NRC

Harold Chernoff  
John Hughey  
Ahsan Sallman  
Manuel Jimenez  
Nageswara Karipineri  
Molly Keefe  
Travis Tate  
Matthew Hiser  
Bill Rautzen  
William Jessup  
Aloysius Obodoako

Neil Sheehan (via teleconference)  
Gerry Waig (via teleconference)  
Tom Alexion  
David Rahn  
William Gardner  
Naeem Iqbal  
Emma Wong  
Robert Pettis  
Tai Huang  
Carleen Sanders  
Chakrapani Basavaraju

EXELON

Kevin Borton  
Jenna Lichtenwalner  
Todd D. Wickel  
Andy M. Olson  
Michael Jesse  
John Rommel  
Tim Moore  
Ron Janowiak  
David Melear  
Vikram Shah

PA Department of Environmental Protection

Rich Janati (via teleconference)  
Brad Fuller (via teleconference)

Members of the Public

Alan Polonsky - Morgan Lewis & Bockius LLP  
William Bentley - Tennessee Valley Authority  
George Stramback - ABWR Licensing, Westinghouse (via teleconference)  
Miroslav Trubelja – Structural Integrity Associates (via teleconference)

Enclosure

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/ra/

John D. Hughey, Project Manager  
Plant Licensing Branch I-2  
Division of Operating Reactor Licensing  
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**ADAMS Accession No.: ML111740739** \* via email

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DATE	09/21/2011	09/06/2011	09/27/2011	09/28/2011

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