



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

December 19, 2013

LICENSEE: Exelon Generation Company, LLC

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

SUBJECT: SUMMARY OF CLOSED MEETING HELD ON DECEMBER 16, 2013, WITH EXELON GENERATION COMPANY, LLC TO DISCUSS STEAM DRYER ANALYSIS RELATED TO PROPOSED EXTENDED POWER UPRATE FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NOS. 2 AND 3 (TAC NOS. ME9631 AND ME9632)

On December 16, 2013, a closed meeting was held between the U.S. Nuclear Regulatory Commission (NRC) and representatives of Exelon Generation Company, LLC (Exelon, the licensee). The meeting was held at the office of Exelon's contractor, Westinghouse Electric Company LLC (Westinghouse) located at 12300 Twinbrook Parkway, Rockville, Maryland. The purpose of the meeting was to discuss changes to the steam dryer analysis related to the proposed extended power uprate (EPU) for Peach Bottom Atomic Power Station (PBAPS), Units 2 and 3. The proposed EPU application is dated September 28, 2012 (Agencywide Document Access and Management System (ADAMS) Accession No. ML122860201). The meeting was closed since the information discussed contained Westinghouse proprietary commercial information pursuant to Title 10 of the *Code of Federal Regulations*, Section 2.390.

The meeting notice and agenda, dated December 4, 2013, are available in ADAMS at Accession No. ML13338A250. A list of attendees is provided in the Enclosure. The licensee's handout, presented at the meeting, contains proprietary information and is not publicly available.

As discussed in Section 3.4 of Exelon's application dated September 28, 2012, the licensee evaluated the existing PBAPS original equipment manufacturer's steam dryers and determined that the steam dryers would not be suitable for EPU conditions without modifications. As such, the licensee decided to replace the original steam dryers with Westinghouse designed and manufactured steam dryers. As indicated in Section 4.2 of Attachment 1 to the licensee's application, the analysis performed by Westinghouse for the replacement steam dryers (RSDs) used the Acoustic Circuit Model (ACM), Revision 4.1, methodology.

During the meeting, the licensee stated that the RSD analysis, which was provided in the application, needed to be revised. Specifically, it was determined that the ACM methodology was not properly benchmarked against plant data. As such, the licensee decided to revise the analysis using an enhanced ACM methodology (called ACE). The licensee provided a detailed discussion on how the ACE methodology would be applied at PBAPS.

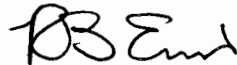
In addition to the change to the analysis, the licensee has determined that the RSD design will need to be slightly modified to enhance its structural integrity.

The licensee provided details of the revised analysis including some of the preliminary results. The licensee also discussed its power ascension plan related to validating that the loads on the RSDs are acceptable under EPU conditions.

The licensee also discussed its plans on how it would address the RSD-related request for additional information (RAI) questions from the NRC staff. Based on the revised methodology for the analysis, the NRC staff agreed to review the outstanding RAI questions to see if any needed to be modified, consolidated or deleted.

The licensee indicated that some of the revised RSD analysis would be provided in mid-February 2014, and the remainder would be provided by the end of February 2014. The NRC staff addressed concerns with the overall project schedule and indicated that it was not clear that the review would be completed prior to the fall 2014 outage for PBAPS Unit 2. The NRC staff agreed to take a closer look at the schedule based on the current status of the review and the licensee's planned submittal schedule.

Please direct any inquiries to me at 301-415-1420, or Rick.Ennis@nrc.gov.



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:  
List of Attendees

cc w/encl: Distribution via Listserv

LIST OF ATTENDEES

DECEMBER 16, 2013, CLOSED MEETING WITH EXELON GENERATION COMPANY, LLC

PEACH BOTTOM ATOMIC POWER STATION, UNITS 2 AND 3

STEAM DRYER ANALYSIS FOR PROPOSED EXTENDED POWER UPRATE

<b>Name</b>	<b>Organization</b>
Rick Ennis	NRC
Chakrapani Basavaraju	NRC
John Rommel	Exelon
Ken Ainger	Exelon
Kevin Borton	Exelon
Brian Voll	Exelon
Ron Janowiak	Exelon
Joe Ferrante	Exelon
Tom Zalewski	Westinghouse
David Forsyth	Westinghouse
Gianluca Longoni	Westinghouse
David Suddaby	Westinghouse
Steve Hambric	NRC Contractor - Penn State
Vik Shah*	NRC Contractor - Argonne National Laboratory
Samir Ziada*	NRC Contractor - McMaster University

\* via telephone

Enclosure

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*/ra/*  
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**ADAMS Accession No: ML13351A390** \*via email

OFFICE	LPL1-2/PM	LPL1-2/LA*	LPL1-2/BC(A)
NAME	REnnis	ABaxter	JLamb
DATE	12/17/13	12/18/13	12/19/13