



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

May 6, 2015

MEMORANDUM TO: Douglas A. Broaddus, Chief  
Plant Licensing Branch I-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

FROM: Richard B. Ennis, Senior Project Manager */RA/*  
Plant Licensing Branch I-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

SUBJECT: PEACH BOTTOM ATOMIC POWER STATION, UNITS 2 AND 3,  
DRAFT REQUEST FOR ADDITIONAL INFORMATION (TAC NOS.  
MF4523 AND MF4524)

The attached draft request for additional information (RAI) was transmitted on April 27, 2015, to Mr. Richard Gropp of Exelon Generation Company, LLC (Exelon, the licensee). This information was transmitted to facilitate an upcoming conference call in order to clarify the licensee's amendment request for Peach Bottom Atomic Power Station (PBAPS), Units 2 and 3, dated July 25, 2014, as supplemented by letter dated January 13, 2015. The proposed amendment would change the definition in the Technical Specifications (TSs) for RECENTLY IRRADIATED FUEL. Specifically, the amendment would revise requirements pertaining to secondary containment hatches in order to facilitate activities performed during refueling outages.

The draft RAI was sent to Exelon to ensure that the questions are understandable, the regulatory basis for the questions is clear, and to determine if the information was previously docketed. This memorandum and the attachment do not convey or represent an NRC staff position regarding the licensee's request.

Docket Nos. 50-277 and 50-278

Attachment: Draft RAI

May 6, 2015

MEMORANDUM TO: Douglas A. Broaddus, Chief  
Plant Licensing Branch I-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

FROM: Richard B. Ennis, Senior Project Manager */RA/*  
Plant Licensing Branch I-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

SUBJECT: PEACH BOTTOM ATOMIC POWER STATION, UNITS 2 AND 3,  
DRAFT REQUEST FOR ADDITIONAL INFORMATION (TAC NOS.  
MF4523 AND MF4524)

The attached draft request for additional information (RAI) was transmitted on April 27, 2015, to Mr. Richard Gropp of Exelon Generation Company, LLC (Exelon, the licensee). This information was transmitted to facilitate an upcoming conference call in order to clarify the licensee's amendment request for Peach Bottom Atomic Power Station (PBAPS), Units 2 and 3, dated July 25, 2014, as supplemented by letter dated January 13, 2015. The proposed amendment would change the definition in the Technical Specifications (TSs) for RECENTLY IRRADIATED FUEL. Specifically, the amendment would revise requirements pertaining to secondary containment hatches in order to facilitate activities performed during refueling outages.

The draft RAI was sent to Exelon to ensure that the questions are understandable, the regulatory basis for the questions is clear, and to determine if the information was previously docketed. This memorandum and the attachment do not convey or represent an NRC staff position regarding the licensee's request.

Docket Nos. 50-277 and 50-278

Attachment: Draft RAI

DISTRIBUTION

PUBLIC  
LPL1-2 R/F  
RidsNrrDorlLpl1-2 Resource  
RidsNrrDorlDpr Resource  
RidsNrrPMPeachBottom Resource

KErwin, NRO/DSEA/RHMB  
JVoveris, NRO/DSEA/RHMB  
JWhite, NRO/DSEA/RHMB

**ACCESSION NO.: ML15127A247**

OFFICE	LPL1-2/PM
NAME	REnnis
DATE	05/06/15

**OFFICIAL RECORD COPY**

DRAFT REQUEST FOR ADDITIONAL INFORMATION

REGARDING PROPOSED LICENSE AMENDMENT

REVISE TECHNICAL SPECIFICATION DEFINITION FOR RECENTLY IRRADIATED FUEL

EXELON GENERATION COMPANY, LLC

PEACH BOTTOM ATOMIC POWER STATION - UNITS 2 AND 3

DOCKET NOS. 50-277 AND 50-278

By letter dated July 25, 2014, as supplemented by letter dated January 13, 2015 (Agencywide Documents Access and Management System (ADAMS) Accession Nos. ML14211A017 and ML15014A175, respectively), Exelon Generation Company, LLC (Exelon, the licensee) submitted a license amendment request for Peach Bottom Atomic Power Station (PBAPS), Units 2 and 3. The proposed amendment would change the definition in the Technical Specifications (TSs) for RECENTLY IRRADIATED FUEL. Specifically, the amendment would revise requirements pertaining to secondary containment hatches in order to facilitate activities performed during refueling outages.

The Nuclear Regulatory Commission (NRC) staff has reviewed the information the licensee provided that supports the proposed amendment and would like to discuss the following issues to clarify the submittal.

**MET-RAI-1**

Please provide a copy of the PBAPS 1984-1988 meteorological tower data and a copy of the ARCON96 meteorological input files and assumptions so that the NRC staff may conduct a confirmatory analysis of the control room atmospheric dispersion factors (X/Qs) presented in Section 8.0 of Attachment 4 (Calculation PM-1170, Revision 0) and Attachment G of Attachment 3 (Calculation PM-1059, Revision 5) to the application.

**MET-RAI-2**

Please justify how using meteorological data from the years 1984-1988 are representative of the PBAPS site area as compared to more recently observed on-site yearly meteorological data.