August 13, 2004

Mr. Christopher M. Crane
President and Chief Nuclear Officer
Exelon Nulcear
Exelon Generation Company, LLC
200 Exelon Way, KSA 3-E
Kennett Square, PA 19348

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION REGARDING PEACH BOTTOM ATOMIC POWER STATION, UNITS 2 AND 3, REQUEST FOR ACTIVATION OF OSCILLATION POWER RANGE MONITOR (TAC NOS. MC2219 AND MC2220)

Dear Mr. Crane:

By letter dated February 27, 2004, you requested amendments to the Technical Specifications for the Peach Bottom Atomic Power Station, Units 2 and 3. The proposed amendments would support the activation of the oscillation power range monitor. In order to complete our review of your amendment request we will need answers to the questions in the enclosed Request for Additional Information (RAI). I forwarded an electronic copy of these questions to Mr. Glenn Stewart of your staff and the questions were discussed with your staff in a telephone call on August 4, 2004. As a result of this call, the term "period based algorithm allowable value and confirmation counts" in Question 2. was replaced with the term "period based algorithm setpoint and confirmation counts." I understand that you plan to respond to this RAI by September 14, 2004.

Sincerely,

/RA/

George F. Wunder, Project Manager, Section 2
Project Directorate I
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket Nos. 50-277 and 50-278

Enclosure: RAI

cc w/encl: See next page

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DATE	8/11/04	8/12/04	8/12/04

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REQUEST FOR ADDITIONAL INFORMATION

BY THE OFFICE OF NUCLEAR REACTOR REGULATION

EXELON GENERATION COMPANY, LLC

PEACH BOTTOM ATOMIC POWER STATION, UNITS 2 AND 3

DOCKET NOS. 50-277/278

The Nuclear Regulatory Commission staff has reviewed the February 27, 2004, amendment request and has identified the following questions to be addressed by the licensee in order to complete our evaluation.

1. Please provide the detailed procedures to verify the accuracy of trip setpoints for the new oscillation power range monitor (OPRM) instrumentation based on available data of the system calibration tests during normal operation as well as the shutdown and subsequent start-up from refueling outage.

2. Please provide a detailed description of the methodology for calculation of the plant-specific Delta CPR/Initial CPR Vs. Oscillation Magnitude (DIVOM) correlation and the OPRM setpoints for Technical Specification (TS) 3.3.1.1. Also, provide a detailed description of the procedure to generate the OPRM period based algorithm setpoint and confirmation counts for future cycles. Please identify any plant-specific differences from the generic values specified in NEDO-32465-A such as period based detection algorithm (PBDA) period confirmation setpoints in Table 3-1, PBDA trip setpoints in Table 3-2, and generic DIVOM curve slope. Provide specific values for OPRM scram setpoints and the DIVOM correlation for the next cycle.

3. Please provide a detailed description of the alternate method to detect and suppress thermal hydraulic instability oscillation stated in TS 3.3.1.1, Action I.1, including its functional relationship with Required Action I.1 stated in TS 3.3.1.1 for OPRM. Also, Provide the rationale to delete Figure 3.4.1-1 from the TSs and identify any role of Figure 3.4.1-1 in the reactor operating manual.

4. Please provide an example of the new core operating limit report format for the next cycle as shown in Table 3.3.1.1-1, Function 2.f, and justify allowable value is NA as stated in footnote d to the table.

Enclosure

Peach Bottom Atomic Power Station, Unit Nos. 2 and 3

cc:

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