

March 9, 1994

Docket Nos. 50-277
and 50-278

Mr. George A. Hunger, Jr.
Director-Licensing, MC 52A-5
PECO Energy Company
Nuclear Group Headquarters
Correspondence Control Desk
P.O. Box No. 195
Wayne, Pennsylvania 19087-0195

Dear Mr. Hunger:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION REGARDING POWER RERATE REQUEST,
PEACH BOTTOM ATOMIC POWER STATION, UNITS 2 AND 3 (TAC NOS. M86826
AND M86827)

This letter forwards a request for additional information (RAI) regarding your
June 23, 1993, license amendment request. Your requested amendment would
allow a power rerate which would increase the authorized maximum reactor core
power level by five percent to 3458 megawatts thermal (Mwt) from the current
limit of 3293 Mwt.

You are requested to respond to this RAI within 30 days of the date of this
letter. The information requested is needed to allow us to continue our
review of your submittal. This is the first of several RAIs that we expect to
issue on your submittal.

This requirement affects less than ten respondents and, therefore, is not
subject to Office of Management and Budget review under P.L. 96-511.

If you have any questions regarding this RAI, please call me at (301) 504-
1422.

Sincerely,

^{/s/}
Stephen Dembek, Project Manager
Project Directorate I-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

140020

Enclosure:
Request for Additional Information

cc w/enclosure:
See next page

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DATE	3/17/94	3/24/94	3/19/94		

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UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D. C. 20555-0001

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Sincerely,

A handwritten signature in cursive script, appearing to read "Stephen Dembek".

Stephen Dembek, Project Manager
Project Directorate I-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosure:
Request for Additional Information

cc w/enclosure:
See next page

Mr. George A. Hunger, Jr.
PECO Energy Company

Peach Bottom Atomic Power Station,
Units 2 and 3

cc:

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External Operations - Nuclear
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P.O. Box 231
Wilmington, DE 19899

REQUEST FOR ADDITIONAL INFORMATION
PEACH BOTTOM ATOMIC POWER STATION, UNITS 2 AND 3
POWER UPRATE
DOCKET NOS. 50-277 AND 50-278

1. Main control room atmosphere control system:
 - a. The staff recognizes that iodine loading in the makeup air filters and recirculation air filters will increase marginally (approximately five percent) due to the proposed power uprate. Show that there is enough margin between the calculated value of filter loading and the RG 1.52 acceptance criterion (no more than 2.5 milligrams of iodine (radioactive and stable) per gram of activated carbon) to accommodate the slight increase in iodine loading that can be expected from the five percent increase in the proposed power uprate.
 - b. In the UFSAR for PBAPS, the expected dose rates during the DBA would be 7.5 mRem whole body and 250 mRem thyroid exposure. While the staff recognizes these doses are well below the limits defined in GDC 19, to facilitate a review of these limits and their response to the proposed power uprate, provide the basis and assumptions, and the new calculated exposures for the new power level.

2. Ultimate Heat Sink

Provide a determination on the quantity of water in the ultimate heat sink (UHS) (the Conowingo Pond). Is there adequate level in the UHS to provide a sufficient quantity of water to meet the anticipated demand following a postulated LOCA?

3. Station Blackout (SBO)

Provide an evaluation of the capability of emergency diesel generator, Class 1E battery, and proposed SBO alternate AC source to maintain safe shutdown following loss of power for uprated power conditions.

4. Mechanical Component Design Qualification (10.2.2)

It was identified in the power uprate submittal that the mechanical design of equipment/components (pumps, heat exchangers, etc.) in certain BOP systems are affected by operation at the uprated power level due to slightly increased temperatures, pressure, and in some cases, flow. Identify which components these are and how the environmental qualification of this equipment will be resolved for the uprated power level.