

10 CFR 50.71(e)

April 30, 2012

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555-0001Peach Bottom Atomic Power Station, Unit 1
Facility Operating [Possession Only] License No. DPR-12
NRC Docket No. 50-171Subject: Peach Bottom Atomic Power Station, Unit 1
Updated Final Safety Analysis Report (UFSAR), Revision 7

In accordance with 10 CFR 50.71(e)(4) and 10 CFR 50.4(b)(6), enclosed is Revision 7 of the Updated Final Safety Analysis Report (UFSAR) for Peach Bottom Atomic Power Station (PBAPS), Unit 1. The subject UFSAR revision is being provided to the NRC in electronic format on CD-ROM and is being submitted in entirety in PDF format. This UFSAR revision constitutes a total replacement copy. Revision 7 supersedes the Revision 6 biennial update submitted by letter dated August 12, 2011. Therefore, the submittal of Revision 7 establishes a new schedule for future PBAPS Unit 1 UFSAR biennial updates. Subsequent revisions of the PBAPS Unit 1 UFSAR will be submitted entirely in electronic format as required by the applicable regulatory requirements.

In addition, as required by 10CFR50.71(e)(2)(ii), Attachment 1 to this letter identifies the changes made under the provisions of 10 CFR 50.59, and included in Revision 7 of the UFSAR, but not previously submitted to the NRC.

Attachment 2 includes file directory structure information identifying directory path, filename, and size of the individual files on the enclosed CD.

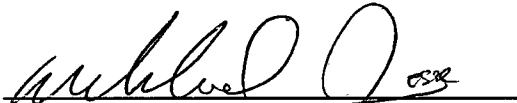
As required by 10 CFR 50.71(e)(2)(i), I certify that to the best of my knowledge, the information contained in the Enclosures and Attachments to this letter accurately reflect information and analyses submitted to the NRC, or prepared pursuant to NRC requirements as described above.

*FSME20
AOSB
FSME*

U.S. Nuclear Regulatory Commission
PBAPS Unit 1 UFSAR Revision 7
April 30, 2012
Page 2

If you have any questions or require further information, please contact Richard Gropp at (610) 765-5557.

Very truly yours,



Michael D. Jesse
Director, Licensing and Regulatory Affairs
Exelon Generation Company, LLC

Enclosure: CD-ROM - PBAPS Unit 1 UFSAR Revision 7

Attachments: Attachment 1 - Summary of Changes Made Under the Provisions of 10 CFR 50.59
Attachment 2 - Electronic File Directory Structure

| | | |
|-----|---------------------------------------------------------|------------------------------|
| cc: | NRC Regional Administrator - NRC Region I | w/ Enclosure and Attachments |
| | NRC Senior Resident Inspector - PBAPS | " |
| | NRC Project Manager, NRR - PBAPS | " |
| | Director, Bureau of Radiation Protection - Pennsylvania | " |
| | Department of Environmental Protection | " |

| | | |
|------|---------------------------------------------|-------------------------------|
| bcc: | Site Vice President - PBAPS | w/o Enclosure and Attachments |
| | Plant Manager - PBAPS | " |
| | Manager - Site Regulatory Assurance - PBAPS | w/ Enclosure and Attachments |
| | Manager - Licensing - KSA-3E | " |
| | D. Foss - PBAPS | " |
| | Records Management - KSA-1N1 | w/o Enclosure and Attachments |
| | Commitment Coordinator - KSA 3-E | " |

10 CFR 50.71(e)(2)(ii) requires that revisions to the UFSAR include changes made under the provisions of 10 CFR 50.59, but not previously submitted to the NRC. Accordingly, the UFSAR *Change Request* identified below was included in Revision 7 of the Updated Final Safety Analysis Report (UFSAR).

Peach Bottom Atomic Power Station, Unit 1
UFSAR Changes – Revision 7

| UFSAR Change Request | Revision | Title | Description |
|----------------------------|----------|----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2011-036 | 0 | Administrative / Editorial Update of the PBAPS Unit 1 UFSAR | The changes improve the clarity of the Unit 1 UFSAR, add "Historical" reference notes, and make changes consistent with the Unit 1 Technical Specifications. |

File Directory StructurePBAPS Unit 1 UFSAR Files

| <u>Directory Path</u> | <u>File Name</u> | <u>File Size (Bytes)</u> |
|-----------------------|------------------------------|--------------------------|
| D:\ | 01 PBAPS U1 UFSAR_Rev 7 .pdf | 1,638,459 |