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10CFR50.71(e)(4)
10CFR50.54(a)(3)

April 2, 2001

Docket Nos. 50-277
50-278

License Nos. DPR-44
DPR-56

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555

SUBJECT: Peach Bottom Atomic Power Station, Units 2 and 3
Submittal of Revision 18 of the Updated Final Safety Analysis Report and Revision 13 of
the Fire Protection Program

Dear Sir:

In accordance with 10CFR50.71(e)(4) and 10CFR50.4(b)(6), this letter submits one original and ten copies of Revision 18 of the Updated Final Safety Analysis Report (UFSAR) and Revision 13 of the Fire Protection Program (FPP) for Peach Bottom Atomic Power Station (PBAPS), Units 2 and 3. The enclosed copies are being provided to the NRC with page revision listings that identify the latest revision date of all current pages in accordance with 10CFR50.71(e)(1). We have also provided page replacement instructions for incorporating Revision 18 into the UFSAR and Revision 13 into the FPP. As required by 10CFR50.71(e)(5), each replacement page contains a bold vertical line in the margin adjacent to each area changed along with the date of the change. Revision 13 of the FPP and Revision 18 of the UFSAR reflect changes made up to a maximum of six months prior to this submittal in accordance with the requirements of 10CFR50.71(e)(4). As a result, the UFSAR Revision 18 and FPP Revision 13 reflect changes made to PBAPS, Units 2 and 3, under the provision of 10CFR50.59 at least up to December 31, 2000.

The enclosed UFSAR Revision 18 also contains a revision to the Quality Assurance Program Description (QAPD) which is being submitted in accordance with 10CFR50.54(a)(3). The revised QAPD (i.e., Appendix D of the UFSAR) reflects editorial, organizational and functional changes. Attachment 1 provides a listing of those changes which have been made since the previous submittal in accordance with 10CFR50.54(a)(3)(ii). Based on the information provided in Attachment 1, we have concluded that the QAPD changes included in Revision 18 of the UFSAR, Appendix D do not reduce commitments in the QAPD previously accepted by the NRC.

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As required by 10CFR50.71(e)(2)(i), I certify that to the best of my knowledge, Revision 13 of the FPP and Revision 18 of the UFSAR accurately reflect information and analyses submitted to the NRC, or prepared pursuant to NRC requirements as described above. In addition, as required by 10CFR50.71(e)(2)(ii), Attachment 2 to this letter identifies changes made under the provision of 10CFR50.59, and included in Revision 13 of the FPP or Revision 18 of the UFSAR, but not previously submitted to the NRC.

If you have any questions or require further information, please contact us.

Very truly yours,

A handwritten signature in black ink, appearing to read "J. Aaga". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Enclosure
Attachments

cc: H. J. Miller, Administrator, Region I, USNRC
A. C. McMurray, USNRC Senior Resident Inspector, PBAPS

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bcc:	PSEG, Financial Controls and Co-Owner Affairs	(w/o attachments/enclosure)
	R. I. McLean, State of Maryland	"
	A. F. Kirby, III, Atlantic City Electric	"
	R. R. Janati, Commonwealth of Pennsylvania	"
	C. P Lewis - KSB 3-2	"
	J. J. Hagan - KSA 3-N	"
	J. Benjamin - Downers Grove	"
	J. Doering - PB, SMB4-9	"
	G. L. Johnston - PB, A4-1S	"
	P. J. Davison - PB, SMB3-2A	"
	J. P. Grimes - KSA 2-N	"
	P. G. Chabot - KSA 3-N	"
	R. A. Kankus - KSB 3-S	"
	A. A. Winter - PB, A4-5S	(w/o attachment/enclosure)
	D. P. Helker - KSA 3-E	"
	G. B. Rombold - KSA 3-E	"
	PBAPS Nuclear Oversight Manager - PB, SMB4-6	(w/o attachments/enclosure)
	Commitment Coordinator - KSA 3-E	"
	Correspondence Control Desk - KSA 1-N-1	"
	DAC - KSA 1-N-1	"

Exelon Nuclear
Quality Assurance Program Description Changes
PBAPS UFSAR, Revision 18

Item No.	Paragraph Number	Description of Change	Change Classification
1.	17.2 17.2.1 17.2.1.1 17.2.1.2 17.2.1.2.3 17.2.1.2.3.1 17.2.1.2.3.2.1 17.2.1.2.3.2.3 17.2.1.2.5.2 17.2.1.2.5.3 17.2.1.2.5.10 17.2.1.2.5.11 17.2.1.2.6 17.2.1.2.6.1 17.2.1.2.7 17.2.1.3 17.2.1.4 17.2.2.1 17.2.2.1.2 17.2.2.1.6 17.2.2.1.7 17.2.2.1.8 17.2.2.1.9 17.2.2.1.10 17.2.2.2 17.2.2.2.3 17.2.2.3.1 17.2.3.2 17.2.3.2.3 17.2.3.3.3 17.2.4.1 17.2.4.1.1 17.2.4.4 17.2.4.5 17.2.4.6 17.2.4.7 17.2.4.9 17.2.5.1.1 17.2.7.5 17.2.7.5.1 17.2.9.1 17.2.9.1.1.1 17.2.9.2 17.2.11.1 17.2.15.2 17.2.15.2.2 17.2.15.5	Changed "PECO Energy Nuclear Group" or "PECO Energy NG" to "Exelon Nuclear" throughout this document to be consistent with nomenclature throughout the PBAPS UFSAR.	Organizational/ Editorial

Exelon Nuclear
Quality Assurance Program Description Changes
PBAPS UFSAR, Revision 18

Item No.	Paragraph Number	Description of Change	Change Classification
1. (cont'd)	17.2.15.8 17.2.15.11 17.2.16.5 17.2.17.5 17.2.18.1.1.k 17.2.18.5 Figure 17.2.1 Figure 17.2.2 Figure 17.2.4 Appendix 17.2A		
2.	17.2.1 17.2.1.2 Figure 17.2.2	Description of organization changed to reflect new organizational structure including: Nuclear Group (NG) Headquarters, Regional Operating Group (ROG), and Nuclear Facilities.	Organizational
3.	17.2.1.1 Figure 17.2.1	Revised description to reflect reporting relationship of the Exelon Nuclear to Exelon Corporate Management.	Organizational
4.	17.2.1.2 Figure 17.2.2	Revised description of the Nuclear Group and the Senior Management positions within the new organizational structure including the direct reports to the Chief Nuclear Officer (CNO) which are: Chief Operating Officer (COO), Senior Vice President Nuclear Services, Senior Vice President Regional Operating Groups (ROG) and the Vice President Nuclear Oversight	Organizational
5.	17.2.1.2.2 Figure 17.2.2	Revised heading to "Off-site Organization" from "Station Support Department" to describe the Nuclear Services and Nuclear Operations Support Departments.	Organizational
6.	17.2.1.2. 17.2.1.2.3 17.2.1.2.3.1 17.2.1.2.3.2 17.2.1.2.3.2.2 17.2.1.2.3.2.3 17.2.1.2.5.2 17.2.1.2.5.5 17.2.1.2.5.9 17.2.1.2.6.1 17.2.2.1	Changed title from Nuclear Quality Assurance (NQA) to Nuclear Oversight or (N.O.) throughout the document.	Organizational/ Editorial

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Quality Assurance Program Description Changes
PBAPS UFSAR, Revision 18

<u>Item No.</u>	<u>Paragraph Number</u>	<u>Description of Change</u>	<u>Change Classification</u>
6. (cont'd)	17.2.2.1.3 17.2.2.1.6 17.2.2.3 17.2.2.3.1 17.2.2.6 17.2.2.6.1 17.2.2.7 17.2.2.8 17.2.2.9 17.2.2.11 17.2.5.3 17.2.6.2 17.2.10.2 17.2.10.4.1 17.2.10.5 17.2.10.5.1 17.2.14.6 17.2.16.3 17.2.16.6 17.2.16.7 17.2.17.3.2 17.2.18.1.3 17.2.18.2 17.2.18.4 17.2.18.5 17.2.18.6 17.2.18.8 17.2.18.9 17.2.18.10 17.2.18.12 Figure 17.2.2 Figure 17.2.4 Appendix 17.2A		
7.	17.2.1.2.3	Revised description of the Nuclear Oversight organization to include the position titles and roles and responsibilities of the Vice President Nuclear Oversight, ROG Nuclear Oversight Director, Programs Director, and Employees Concerns Program Investigator.	Organizational
8.	17.2.1.2.3.1	Revised description of the PBAPS Nuclear Oversight organization to include the following functions with all associated functional elements: Assessment, Independent Technical Review and Quality Verification.	Organizational
9.	17.2.1.2.3.1.1	Deleted description of the Corporate Nuclear Quality (CNQ) group. In the new organizational structure the functions of this group have been relocated to the Program Director responsibilities.	Organizational

Exelon Nuclear
Quality Assurance Program Description Changes
PBAPS UFSAR, Revision 18

Item No.	Paragraph Number	Description of Change	Change Classification
10.	17.2.1.2.3.1.1	The function of performing Vendor Assessments has been transferred from the Corporate Nuclear Quality Group of NQA to the Nuclear Services Department in Supply Management under the Supplier Evaluation Services (SES) Group. This change in the Quality Assurance Program function was evaluated under the provisions of 10CFR50.54 and transferred through the use of a previously approved NRC SER for the relocation of the Vendor Assessment function to the Supply Management group. PBAPS QAPD Section 17.2.1.2.6.1.	Functional
11.	17.2.1.2.3.1.2	The Quality Verification description and all functions have been relocated within the description of the LGS Site Nuclear Oversight organization found in the PBAPS QAPD Section 17.2.1.2.3.1	Organizational
12.	17.2.1.2.3 17.2.1.2.3.2.3 17.2.1.2.5 17.2.1.2.5.1 17.2.1.2.5.2 17.2.1.2.5.3 17.2.1.2.5.4 17.2.1.2.5.5 17.2.1.2.5.6 17.2.1.2.5.7 17.2.1.2.5.8 17.2.1.2.5.9 17.2.1.2.5.10 17.2.1.2.5.11 17.2.2.3 17.2.16.1.b 17.2.18.1.1.k Figure 17.2.2	The title of the Nuclear Review Board (NRB) has been revised to Nuclear Safety Review Board (NSRB) throughout the document.	Organizational / Editorial
13.	17.2.1.2.6	Added description of new organizational unit, Nuclear Services Department which includes elements of the Station Support Department function including: Information Systems, Fuels, Engineering, Decommissioning Projects, Laboratory Services and Supply & Project Management.	Organizational

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Quality Assurance Program Description Changes
PBAPS UFSAR, Revision 18

Item No.	Paragraph Number	Description of Change	Change Classification
14.	17.2.1.2.6.1	Added description of the Supply Management group which includes the Supplier Evaluation Services Group who performs Vendor Evaluations to ensure compliance with the requirements of the Quality Assurance Program. This function was previously performed by the Nuclear Oversight group. This change is described in item 10 above.	Organizational
15.	17.2.1.2.7	Added description of new organizational unit, Nuclear Operations Support Department which includes elements of the Station Support Department function including: Outage Planning & Services, Generation Support, Maintenance/ Work Control, Training, Security and Regulatory Services.	Organizational
16.	17.2.1.3	Revised description of Business Services to detail that this support function to the Nuclear Group (NG) is through a Service Level Agreement	Organizational
17.	17.2.1.4	Revised description to detail that Legal support to the Nuclear Group (NG) is coordinated by the PECO Energy Vice President and General Counsel.	Organizational
18.	17.2.1.4.1	Revised description of Nuclear Security to detail reporting relationship to Senior Vice President Nuclear Operations Support.	Organizational
19.	17.2.2.6.1	Added Supplier Evaluation Services to the description of the training and qualifications of the personnel performing the regulatory required assessment process. The change to Supplier Evaluation Services group performing Vendor Assessments is detailed in item # 10 above.	Organizational / Functional
20.	17.2.4.5 17.2.7.1.1 17.2.7.1.2 17.2.7.1.5 17.2.7.5.1	Changed reference from NQA performing Vendor Evaluations and maintaining The Evaluated Vendors List (EVL) to Supplier Evaluation Services (SES). See item #10 above.	Functional
21.	17.2.1.2.3 17.2.9.1.2	Changed reference from Station Support Department to Nuclear Services and Nuclear Operations Support Departments.	Organizational

**Exelon Nuclear
Quality Assurance Program Description Changes
PBAPS UFSAR, Revision 18**

Item No.	Paragraph Number	Description of Change	Change Classification
22.	17.2.18.1.1	Added item #I to the list of the areas required to be assessed in accordance with the QA Program requirements. This addition is a requirement of implementing the previously approved NRC SER for relocating the performance of Vendor Assessments from Nuclear Oversight to the Supply Management organization.	Functional
23.	17.2.18.9	Changed titles from "Director NQA" to "Vice President Nuclear Oversight (N.O.)"	Organizational
24.	Figure 17.2.1	Revised figure to reflect the current organizational structure.	Organizational
25.	Figure 17.2.2	Revised figure to reflect the current organizational structure.	Organizational
26.	Figure 17.2.4	Revised figure to reflect the current organizational structure.	Organizational

10CFR50.71(e)(2)(ii) requires that revisions to the UFSAR include changes made under the provisions of 10CFR50.59, but not previously submitted to the NRC. Accordingly, the list below identifies these plant modifications and projects included in Revision 18 of the Peach Bottom Atomic Power Station (PBAPS), Units 2 and 3, Updated Final Safety Analysis Report (UFSAR) or Revision 13 of the PBAPS Fire Protection Program (FPP) that were not previously submitted to the NRC. The list does not represent a complete list of UFSAR and FPP change packages incorporated.

Modification Number	Unit Number	Description
P00507	3	Power Range Neutron Monitoring System
P00636	2 & 3	Upgrades to the Intake Water System to Minimize Macrofouling of the Condensers
P00656	Common	Water Treatment Building Roof Replacement Project
P00677	Common	Upgrade of Unit 3 HVAC System & Installation of Two Fire Dampers in the Unit 3 Recirc. M/G Set HVAC System Ductwork for the RBCCW Room Ventilation Supply and Return Duct Penetrations Located in the Radwaste Building
P00680	2 & 3	Installation of a Fire Protection & Suppression System in the Emergency Switchgear, Battery Rooms and Corridor in Support of the Thermo-Lag Reduction Project
P00685	2	Noble Gas Chemical Injection
P00733	2	Modification to Eliminate the Possibility of Tripping Both Recirc Pumps on a Loss of RPS Power

Modification Number	Unit Number	Description
P00758	Common	Upgrade the Refueling Platform Control System with a New PAR Systems Digital Control System
P00769	3	Jet Pump Riser Structural Enhancement Modification
P00918	2	Modify Unit 2 Head Spray Piping to Eliminate LLRT Testing

