

PHILADELPHIA ELECTRIC COMPANY

NUCLEAR GROUP HEADQUARTERS

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D. M. SMITH

SENIOR VICE PRESIDENT - NUCLEAR

July 20, 1992

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 10 of the Updated Final
Safety Analysis Report

Dear Sirs:

In accordance with 10CFR50.71(e)(4) and 10CFR50.4(b)(60), this letter submits one original and ten (10) copies of Revision 10 of the Updated Final Safety Analysis Report (UFSAR) for Peach Bottom Atomic Power Station (PBAPS), Units 2 and 3. The enclosed copies are being provided to the NRC with a page revision listing that identifies 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 10 into the UFSAR. 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 10 reflects 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 10 reflects changes made to PBAPS, Units 2 and 3, under the provision of 10CFR50.59, at least up to January 20, 1992.

The enclosed UFSAR Revision 10 also contains the annual revision of the Quality Assurance (QA) Program Description which is being submitted in accordance with 10CFR50.54(a)(3). The revised QA Program Description (i.e., Appendix D of the UFSAR) reflects editorial and organizational changes and those changes described in Attachment 1 as required by 10CFR50.54(a)(3)(ii).

Based on the information provided in Attachment 1, we have concluded that the QA Program Description changes included in Revision 10 do not reduce the commitments in the QA Program Description previously accepted by the NRC.

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As required by 10CFR50.71(e)(2)(1), I certify that to the best of my knowledge, Revision 10 of the PBAPS UFSAR accurately reflects 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)(11), Attachment 2 to this letter identifies changes made under the provision of 10CFR50.59 and included in the enclosed Revision 10, but not previously submitted to the NRC.

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

Sincerely,



KRG:en

Attachments
Enclosures

cc: T. T. Martin, Administrator, Region I, USNRC
J. J. Lyash, USNRC, Senior Resident Inspector, PBAPS

ATTACHMENT 1

PHILADELPHIA ELECTRIC COMPANY
 1992 QUALITY ASSURANCE PROGRAM DESCRIPTION CHANGES
 PBAPS UFSAR REVISION 10
 Page 1 of 8

| <u>PARAGRAPH NUMBER</u> | <u>DESCRIPTION OF CHANGES</u> | <u>CLASSIFICATION OF CHANGES</u> |
|---------------------------------------|---|----------------------------------|
| 17.2.1 | Changed "five" Senior Vice Presidents to "six." | Organizational |
| | Changed "Engineering and Production" to "Production." | Organizational |
| 17.2.1.1 | Added "Nuclear" to "Quality Assurance Program" | Commonality* |
| 17.2.1.2.3 | Changed Performance Assessment "Division" to "Section." | Organizational |
| 17.2.1.2.3(5) | Deleted "items and activities affecting quality." Added "all QA-identified Corrective Action Requests (CARs and MCARs). Require that deviations be tracked in accordance with Administrative Procedures." | Clarification/ Commonality* |
| 17.2.1.2.3 (7, 11, 12) | Changed "QA/QC" to "QA/QV." | Organizational |
| 17.2.1.2.3 (16) (Formerly Item 12) | Changed "Monitoring" to "Technical Monitoring." Changed "Inspections" to "Verification." | Clarification Organizational |
| 17.2.1.2.3 (17) | Deleted Item 17. | Commonality* |
| 17.2.1.2.3 (18) | Deleted Item 18. (Included in Item 16) | Clarification |
| 17.2.1.2.3.1 | Changed "Quality Control" to "Quality Verification" | Organizational |
| 17.2.1.2.3.1 (3) | Changed "Approval" to "Reviewing and Approving." | Commonality* |
| 17.2.1.2.3.1 (6) | Added "in accordance with Administrative Procedures." | Clarification/ Commonality* |

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|---|--|--|
| 17.2.1.2.3.1 (9) | Added "Approving Stop Work Directives." | Commonality* |
| 17.2.1.2.3.1 (10) | Formerly Item 9. | Commonality* |
| 17.2.1.2.3.1.1 | Changed "Manager, Peach Bottom Quality" to "site Quality Division Manager." | Commonality* |
| 17.2.1.2.3.1.1 (2) | Added "in accordance with written procedures." | Commonality* |
| 17.2.1.2.3.1.1 (4) | Changed "Manager, Peach Bottom Quality Division" to "site Quality Division Manager." | Commonality* |
| 17.2.1.2.3.1.1 (7) | Deleted "to perform assigned activities." Added "and certified." | Commonality* |
| 17.2.1.2.3.1.1 (9) (Formerly Item 7) | Changed "Ensure" to "Assure." Deleted "through audits and surveillance." Deleted "findings." Added "conditions adverse to quality." | Commonality* Clarification |
| 17.2.1.2.3.1.2 | Changed "Quality Control" to "Quality Verification" and "QC" to "QV" throughout the section. Added "site Quality Division," and deleted "Peach Bottom Quality." | Organizational Editorial/ Commonality* |
| 17.2.1.2.3.1.2 (1) | Added "personnel." | Editorial |
| 17.2.1.2.3.1.2 (2) | Deleted "health physics, plant operations, etc. as appropriate." | Organizational/ |
| 17.2.1.2.3.1.2 (3) | Changed "Manager Peach | Commonality* |

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|-----------------------------|--|---|
| | Bottom Quality" to "site Quality Division Manager." | |
| 17.2.1.2.3.1.2 (5) | Changed "overall planning" to "Identify the need." Added "procedure." Added "relating to QV activities." | Clarification Clarification Clarification |
| 17.2.1.2.3.1.2 (6) | Added "qualified." | Commonality* |
| 17.2.1.2.3.1.2 (7) | Revised paragraph. | Clarification/ Commonality* |
| 17.2.1.2.3.1.2 (8) | Added paragraph. | Commonality* |
| 17.2.1.2.3.1.2 (9) | Formerly Item 8 | Commonality* |
| 17.2.1.2.3.1.3 (10 & 13) | Added "site Quality Divi- sion," deleted Peach Bottom Quality." | Editorial/ Commonality* |
| 17.2.1.2.3.1 (2) | Added "site Quality Division," deleted "Limerick Quality." | Editorial/ Commonality* |
| 17.2.1.2.3.1.3 (4) | Deleted item. | Administrative |
| 17.2.1.2.3.1.3 (5) | Deleted item, renumbered succeeding items (was Item 7). Changed "site" to "station." | Administrative Commonality* |
| 17.2.1.2.3.1.3 (6) | (was Item 8) Added "for safety related items and services." | Commonality* |
| 17.2.1.2.3.1.3 (7) | (was Item 9) Deleted "dispositions." added "for conditions adverse to quality." | Clarification Commonality* |
| 17.2.1.2.3.1.3 (8) | (was Item 11) Added "and | Clarification |

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|----------------------------------|---|--|
| | CARs." | |
| 17.2.1.2.3.1.3 (9) | (was Item 12) Deleted "reviews of inspection and monitoring trends." Added "Quality Support activities." | Clarification |
| 17.2.1.2.3.1.3 17.2.1.2.3.1.4 | (Previous Items) Deleted. Added "site Quality Divi- sion," Deleted "Peach Bottom Quality." | Organizational Commonality* |
| 17.2.1.2.3.1.4 (1) | Revised paragraph. | Commonality* |
| 17.2.1.2.3.1.4 (3) | Added new paragraph. Renumbered succeeding items. | Commonality* |
| 17.2.1.2.3.1.4 (4) | (was Item 3) Added "and issuance of monthly." | Commonality* |
| 17.2.1.2.3.1.4 (6) | (was item 5) Added "Ensure that." Added "are properly qualified." | Clarification |
| 17.2.1.2.3.1.4 (7) | (was Item 6) Added "and "documented." | Clarification |
| 17.2.1.2.3.1.4 (8) | (was Item 7) Changed "ensure to obtain." | Commonality* |
| 17.2.1.2.3.3 | Changed "division" to "Section" and "Manager" to "Superintendent," several places. Changed "Quality Control to "Quality Verification." | Organizational Organizational |
| 17.2.1.2.3.4 | Changed "Audit (section)" to "Vendor Evaluation." Changed "NDE Services" to "NDE Support." Changed "training function" | Organizational Organizational Organizational |

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|-------------------------|--|---|
| | to "Training Coordinator." | |
| 17.2.1.2.3.4.1 | Deleted: "Technical direction for the Nuclear Fuel QA Program." (added to 17.2.1.2.3.4.2) | Organizational |
| 17.2.1.2.3.4.2 | Changed "Audit" to "Vendor Evaluation." (two places) | Organizational |
| 17.2.1.2.3.4.2 (1) | Revised Item. | Commonality* |
| 17.2.1.2.3.4.2 (2) | Revised Item. | Commonality* |
| 17.2.1.2.3.4.2 (4) | Added item from 17.2.1.2.3.4.1. | Organizational |
| 17.2.1.2.3.4.2 | Changed "services" to "support" (two places). Changed format. Deleted responsibility for the performance of NDE (See 17.2.1.2.3.1.2). Added items 1 through 9. | Organizational Commonality* Organizational |
| 17.2.1.2.3.4.4 | Deleted "Administrative supervision and technical direction to the QA assistants and clerical staff" (previous Item 4). Added "and analysis of trend information (Item 2). Added "QA Program Description" (Item 13). | Administrative Organizational Clarification |
| 17.2.1.2.4 | Deleted text. Referenced Section 13.8.2. | Commonality* |
| 17.2.1.2.5 | Deleted text. Referenced Section 13.8.2. | Commonality* |
| 17.2.1.3 | Changed "Engineering and Production" to "Production" | Organizational |

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| <u>PARAGRAPH NUMBER</u> | <u>DESCRIPTION OF CHANGES</u> | <u>CLASSIFICATION OF CHANGES</u> |
|-----------------------------|---|--|
| | (four places). Deleted "Production Department." | Organizational |
| | Deleted "Services Division." | Organizational |
| | Deleted "Training Section." | Organizational |
| | Changed "Methods Section to "Methods and Training Division." | Organizational |
| | Changed "Manager Services Division" to Vice President, Production." | Organizational |
| | Changed "Maintenance Central Shops" to "Oregon Shop." | Organizational |
| 17.2.1.4 | Changed "General Manager" to "Senior Vice President." | Organizational |
| 17.2.1.4.1 | Changed "Vice President" to "Senior Vice President." Deleted "The Department is composed of four divisions." Added "The only department organization." | Organizational Clarification Clarification |
| 17.2.2.1 | Deleted "PBAPS," added "(QA Plan)" to first sentence. | Commonality* |
| 17.2.2.5 | Changed "QC" to "QV." | Organizational |
| 17.2.2.5.1 | Changed quality "control" to "verification." | Organizational |
| 17.2.2.10 | Changed "Manager" to "Superintendent" (two places). Changed "Division" to "Section." | Organizational Organizational |
| 17.2.5.2.1 | Added "The procedures are reviewed in accordance with Technical Specification requirements and the appli- | Clarification |

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|-------------------------|--|-------------------------------------|
| | cable Administrative procedures. | |
| 17.2.7.5 | Changed "inspection" to "verification." | Organizational |
| 17.2.9.1 | Deleted "and Engineering and Production." | Organizational |
| 17.2.10.4 | Changed quality "control inspections" to verifications." | Organizational |
| 17.2.13.2 | Deleted "PBAPS." | Editorial |
| 17.2.14.7 | Changed quality "control inspections" to "verifications." Deleted "PBAPS." | Organizational Editorial |
| 17.2.16.3 | Changed "inspection to "verification." | Organizational |
| 17.2.16.4 | Changed "inspection to "verification." | Organizational |
| 17.2.17.1 | Deleted "PBAPS." | Editorial |
| 17.2.17.4.1 | Changed "Administration c "Control." | Organizational |
| 17.2.18.1 | Changed "Stores and Purchasing" to "Procurement." | Organizational |
| 17.2.18.1.1 | Changed "1974" to "1977" Changed Appendix "A" to "17.2.A." Deleted "PBAPS FSAR, Section 17.2." | Editorial Editorial Editorial |
| 17.2.18.6 | Deleted "QC." | Editorial |

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|-----------------------------|---------------------------------|--------------------------------------|
| 17.2.18.9 | Deleted "PBAPS." | Editorial |
| Appendix 17.2A | Deleted "PBAPS" (three places). | Editorial |
| 17.2.A.19 | Deleted paragraphs b & c. | Clarification |
| Exhibit X | Updated procedures list. | |

* Sections 17.2.1 through 17.2.1.6.1 have been made identical to the corresponding sections of the Peach Bottom UFSAR, Rev 10, dated July, 1992. Format and content changes for the purpose of commonality are so indicated.

ATTACHMENT 2

Changes made under 10 CFR 50.59 covered by Revision 10 of the Peach Bottom Atomic Power Station (PBAPS) Updated Final Safety Analysis Report (UFSAR), but not previously submitted to the NRC are identified below.

| <u>MODIFICATION NUMBER</u> | <u>UNIT NUMBER</u> | <u>DESCRIPTION</u> |
|--------------------------------|------------------------|---|
| 1843 | Unit 3 | Feedwater control system |
| 5346 | Unit 2 and 3 | Administrative controls for single unit cooler operation in the ECCS and RCIC pump rooms |
| 955E | Unit 2 | Installation of new computer points as part of the replacement process computer MOD |
| 5046 | Unit 2 | Emergency service water system pipe replacement |
| 1140 | Unit 2 and 3 | Replace existing aluminum high density spent fuel storage racks with new stainless steel racks |
| 1498 | Unit 3 | Replacement of testable check valves on the HPCI, RCIC and core spray systems |
| 5041 | Unit 2 and 3 | Removal of the Cardox system from the control room |
| 1832 | Unit 2 and 3 | Automatic sprinkler extension for the turbine bearings, generator bearings, and front standards |
| 955J | Unit 3 | Replacement of process computer - new inputs and critical NSSS |
| 1316 | Unit 2 | Safety grade instrument gas |
| 1705 | Unit 2 and 3 | Replacement of neutron tip detectors and electronics with gamma sensitive tips and electronics |
| 2075 | Unit 2 and 3 | Appendix J Modifications to ensure LLRT of containment valves |

July 20, 1992

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ATTACHMENT 2

| <u>MODIFICATION NUMBER</u> | <u>UNIT NUMBER</u> | <u>DESCRIPTION</u> |
|--------------------------------|------------------------|--|
| 5209 | Unit 3 | Installation of alternate power feeds for battery chargers |
| 5085 | Unit 2 and 3 | Turbine stop valve and turbine control valve fast closure scram bypass setpoints |
| 5279 | Unit 2 | CAD breaker and cable replacement |
| 1890 | Unit 2 and 3 | Primary containment isolation valve position indication improvements |
| 1891 | Unit 2 | Replacement of HPCI, RCIC, CS, and RHR flow transmitters |
| 5240 | Unit 2 | Replacement of RCIC steam supply line drain pot level switch |
| 5243 | Unit 2 and 3 | Replace 125/250 VDC fuses |
| 2268 | Unit 2 and 3 | Fuse installation for DC system undervoltage relays |
| 1729 | Unit 2 and 3 | Upgrade main control room and radwaste control room |