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E. P. FOGARTY
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September 23, 1988

Docket Nos. 50-277
50-278

Robert E. Martin, Project Manager
Project Directorate I-2
Division of Reactor Projects I/II
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

Subject: Peach Bottom Atomic Power Station Units 2 and 3
Request for Additional Information Concerning the
Reactor Coolant Piping Replacement and Modification
Amendment Application

Reference: (1) Application for Amendment of Facility
Operating License, March 21, 1988

(2) Letter from R. E. Martin (NRC) to
W. M. Alden (PECo) dated August 11, 1988

Dear Mr. Martin:

This letter is in response to your August 11, 1988 letter concerning the preliminary review of our March 21, 1988 Amendment Application. The Amendment Application requests changes to the Technical Specifications as a result of the Unit 3 recirculation pipe replacement and other reactor coolant piping replacements and modifications. Your August 11, 1988 letter requested information on the ASME code requirements for fabrication, inspection, testing and interfaces of the replacement piping referred to in the Amendment Application. The following is our response.

The original Peach Bottom Atomic Power Station Unit 3 Recirculation and Residual Heat Removal (RHR) System piping was installed in accordance with the USAS B31.1, 1967 Edition code. In accordance with ASME Section XI, the replacement piping can meet the requirements of the original construction code or later editions of the construction code. Peach Bottom is committed to compliance with the ASME Section XI, 1980 Edition up to and including the Winter 1981 Addenda as specified in the second interval of the Peach Bottom Inservice Inspection Program (ISI).

The pipe replacement work on Unit 3 as related to the code requirements may be considered as five activities: design, fabrication, inspection, testing and interfaces. Design requirements were discussed in the March 21, 1988 Amendment Application and are repeated herein for completeness.

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Design

The replacement Recirculation and RHR piping including penetrations were designed in accordance with ASME Section III, 1980 Edition up to and including the Winter 1981 Addenda. New supports for the Recirculation and RHR piping were designed to ASME III, Subsection NF, 1980 Edition up to and including the Winter 1981 Addenda. Modifications to existing supports were designed to the original design code, USAS B31.1, 1967 Edition.

Fabrication and Installation

All replacement piping was fabricated and installed in accordance with the requirements of the ASME Section III, 1980 Edition up to and including the Winter 1981 Addenda with the exception of code stamping which is not required at Peach Bottom.

Inspection and Testing

Nondestructive examination of the replacement piping was performed in accordance with the ASME B&PV Code, Section V, 1980 Edition up to and including the Winter 1981 Addenda. The baseline inservice inspection (ISI) was performed in accordance with the ASME Section XI, 1980 Edition up to and including the Winter 1981 Addenda. The Recirculation and RHR piping inside containment up to the outboard containment isolation valve will be hydrostatically tested with the reactor vessel according to the requirements of ASME Section XI, 1980 Edition up to and including the Winter 1981 Addenda.

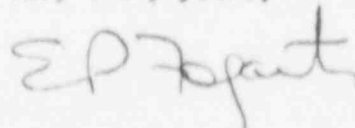
An integrated leak test shall be performed on the containment in accordance with the PBAPS Technical Specifications to assure the integrity of the modified containment penetrations.

Interfaces

Welds to reused piping and components were examined in accordance with the original construction code (USAS B31.1, 1967 Edition).

If you have any questions, please do not hesitate to contact us.

Very truly yours,



Attachment

cc: Addressee

- 1 White Flint North
- 11555 Rockville Pike
- Rockville, MD 20852
- W. T. Russell, Administrator, Region I, USNRC
- T. P. Johnson, USNRC Senior Resident Inspector
- T. E. Magette, State of Maryland
- J. Urban, Delmarva Power
- J. I. Boettger, Public Service Electric & Gas
- H. C. Schwemm, Atlantic Electric