



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO REQUESTS FOR RELIEF FROM EXAMINATION
AND HYDROSTATIC TEST REQUIREMENTS OF
THE 1974 EDITION THROUGH SUMMER 1975 ADDENDA
OF SECTION XI OF THE ASME CODE

PHILADELPHIA ELECTRIC COMPANY
PUBLIC SERVICE ELECTRIC AND GAS COMPANY
DELMARVA POWER AND LIGHT COMPANY
ATLANTIC CITY ELECTRIC COMPANY

PEACH BOTTOM ATOMIC POWER STATION, UNITS 2 AND 3
DOCKETS NOS. 50-277 AND 50-278

BACKGROUND INFORMATION

10 CFR 50.55a(g)(4) of the Code of Federal Regulations requires components of boiling and pressurized water-cooled nuclear facilities to meet the examination and test requirements set forth in applicable editions and addenda of Section XI of the ASME Code throughout their service life unless the requirements are impractical to perform and relief from those requirements is granted by the Commission. The inservice inspection program for a facility is required to be updated to the latest approved edition and addenda of Section XI each ten-year interval of facility operation. Information concerning examinations and tests determined to be impractical to perform is required to be included in the program and submitted to the NRC for review and evaluation. Pursuant to 10 CFR 50.55a(g)(5)(iv), where an impractical examination or test requirement is not included in the revised program, the licensee is required to submit to the NRC the basis for the licensee's determination that the requirements are impractical to perform at its facility not later than twelve (12) months after the expiration of the ten-year interval.

By letter dated May 2, 1983, the NRC transmitted to Philadelphia Electric Company (the licensee) a Safety Evaluation on impractical examination and testing requirements of the 1974 Edition through Summer 1975 Addenda of Section XI of the ASME Code for Peach Bottom Units 2 and 3. The Safety Evaluation granted relief from those Code requirements where the necessary findings could be made and denied the other requests. By letters dated December 21 and December 27, 1984, February 1 and March 13, 1985, the licensee provided additional information regarding the requests denied and other requests for relief in accordance with 10 CFR 50.55a(g)(5)(iv). The requests and additional information provided in the letters are evaluated below. This evaluation is an addendum to the evaluation transmitted to Philadelphia Electric Company by the May 2, 1983 letter.

EVALUATION

Requests for relief from the requirements of Section XI, 1974 Edition through Summer 1975 Addenda, which have been determined to be impractical to perform have been reviewed by contractor, Science Applications International Corporation (SAIC). The contractor's evaluations of the licensee's requests for relief and his recommendations are presented in the Technical Evaluation Report (TER) attached. We have reviewed the TER and agree with the evaluations and recommendations. However, our basis for granting relief from the visual inspection requirement for the internal surfaces

of pumps and valves and not requiring UI thickness measurements at Unit 3 as an alternative is not predicated on the requirements of other licensees, but on the results obtained from the visual inspections performed on similar components at Unit 2. A summary of our determinations is presented in the following tables.

TABLE 1
CLASS 1 COMPONENTS

IWB-2600 ITEM NO.	IWB-2500 EXAM. CAT.	SYSTEM OR COMPONENT	AREA TO BE EXAMINED	REQUIRED METHOD	LICENSEE PROPOSED ALTERNATIVE EXAMINATION	RELIEF REQUEST STATUS
B5.6 (Unit 3)	B-L-1	Pumps	Casing Welds	Volumetric	Hydrostatic Pressure and Leak Tests, UT Wall Thick- ness Measure- ments	Granted
B5.7 (Unit 3)	B-L-2	Pumps	Internal Surfaces	Visual	Hydrostatic Pressure and Leak Tests, UT Wall Thick- ness Measure- ments	Granted (UT Wall Thickness Measurements are Optional)
B6.7 (Unit 3)	B-M-2	Valves	Internal Surfaces	Visual	Hydrostatic Pressure and Leak Tests, UT Wall Thick- ness Measure- ments	Granted (UT Wall Thickness Measurements are Optional)

TABLE 2

CLASS 1 COMPONENTS

IWB-2600 ITEM NO.	IWB-2500 EXAM. CAT.	SYSTEM OR COMPONENT	AREA TO BE EXAMINED	REQUIRED METHOD	LICENSEE PROPOSED ALTERNATIVE EXAMINATION	RELIEF REQUEST STATUS
IWC-1220 (Unit 3)*		ECCS Compo- nents & Piping Exempt Under IWC- 1220(c)	Welds	IWC-2520	One-Sixth of Required During Current Interval	Granted

*Unit 2 Proposed Examinations and Schedule Previously Granted by Letter Dated June 1, 1984,
Rivenbark to Bauer.

TABLE 4

PRESSURE TEST

SYSTEM OR COMPONENT	IWA-5000 IWB-5000 IWC-5000 & IWD-5000 TEST	LICENSEE PROPOSED ALTERNATIVE TEST PRESSURE	RELIEF REQUEST STATUS
	PRESSURE REQUIREMENT		
Class 1, 2 & 3	Four-Hour Hold Time	Ten-Minute Hold Time For Uninsulated Piping	Granted

CONCLUSION

Based on our review, we conclude that the examination requirements from which relief is sought are impractical; that relief granted from the examination requirements and alternate methods imposed through this document give reasonable assurance of the piping and component pressure boundary structural integrity as required as part of the licensee's inservice inspection program under 10 CFR 50.55a(g); that relief is authorized by law and will not endanger life or property, or the common defense and security, and is otherwise in the public interest considering the burden that could result if the examination requirements were imposed on the facilities.

Dated: June 18, 1985

The following NRC personnel have contributed to this Safety Evaluation:

George Johnson.