

May 17, 1985

Docket No. 50-311

Mr. C. A. McNeill, Jr.,  
Vice President - Nuclear  
Public Service Electric and Gas Company  
Post Office Box 236  
Hancocks Bridge, New Jersey 08038

Distribution	Docket file
NRC PDR	L PDR
ORB#1 RDG	Gray file (4)
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BGrimes	JPartlow
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EButcher	ACRS (10)
OPA, CMiles	RDiggs

Dear Mr. McNeill:

The Commission has issued the enclosed Amendment No. 34 to Facility Operating License No. DPR-75 for the Salem Nuclear Generating Station, Unit No. 2. This amendment consists of changes to the Technical Specifications in response to your request dated January 11, 1985.

The amendment revises Technical Specification Figure 3.1-1, Power Dependent Insertion Limits for Salem Generating Station, Unit No. 2.

A copy of the Safety Evaluation is enclosed. A Notice of Issuance will be included in the Commission's next regular monthly Federal Register notice.

Sincerely,

/s/DCFischer

Donald Fischer, Project Manager  
Operating Reactors Branch #1  
Division of Licensing

Enclosures:

1. Amendment No. 34 to DPR-75
2. Safety Evaluation

cc: w/enclosures  
See next page

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GLainas  
05/1/85



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

May 17, 1985

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Sincerely,

A handwritten signature in cursive script that reads "Donald Fischer".

Donald Fischer, Project Manager  
Operating Reactors Branch #1  
Division of Licensing

Enclosures:

1. Amendment No. 34 to DPR-75
2. Safety Evaluation

cc: w/enclosures  
See next page

Mr. C. A. McNeill  
Public Service Electric & Gas Company

Salem Nuclear Generating Station

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

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

DOCKET NO. 50-311

SALEM NUCLEAR GENERATING STATION, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 34  
License No. DPR-75

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Public Service Electric and Gas Company, Philadelphia Electric Company, Delmarva Power and Light Company and Atlantic City Electric Company (the licensees) dated January 11, 1985, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and regulations set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
  - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
  - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
  - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. DPR-75 is hereby amended to read as follows:

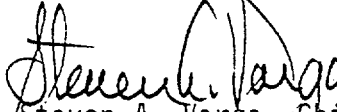
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(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 34, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

  
Steven A. Varga, Chief  
Operating Reactors Branch #1  
Division of Licensing

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: May 17, 1985

ATTACHMENT TO LICENSE AMENDMENT NO. 34

FACILITY OPERATING LICENSE NO. DPR-75

DOCKET NO. 50-311

Revise Appendix A as follows:

Remove Page

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Insert Page

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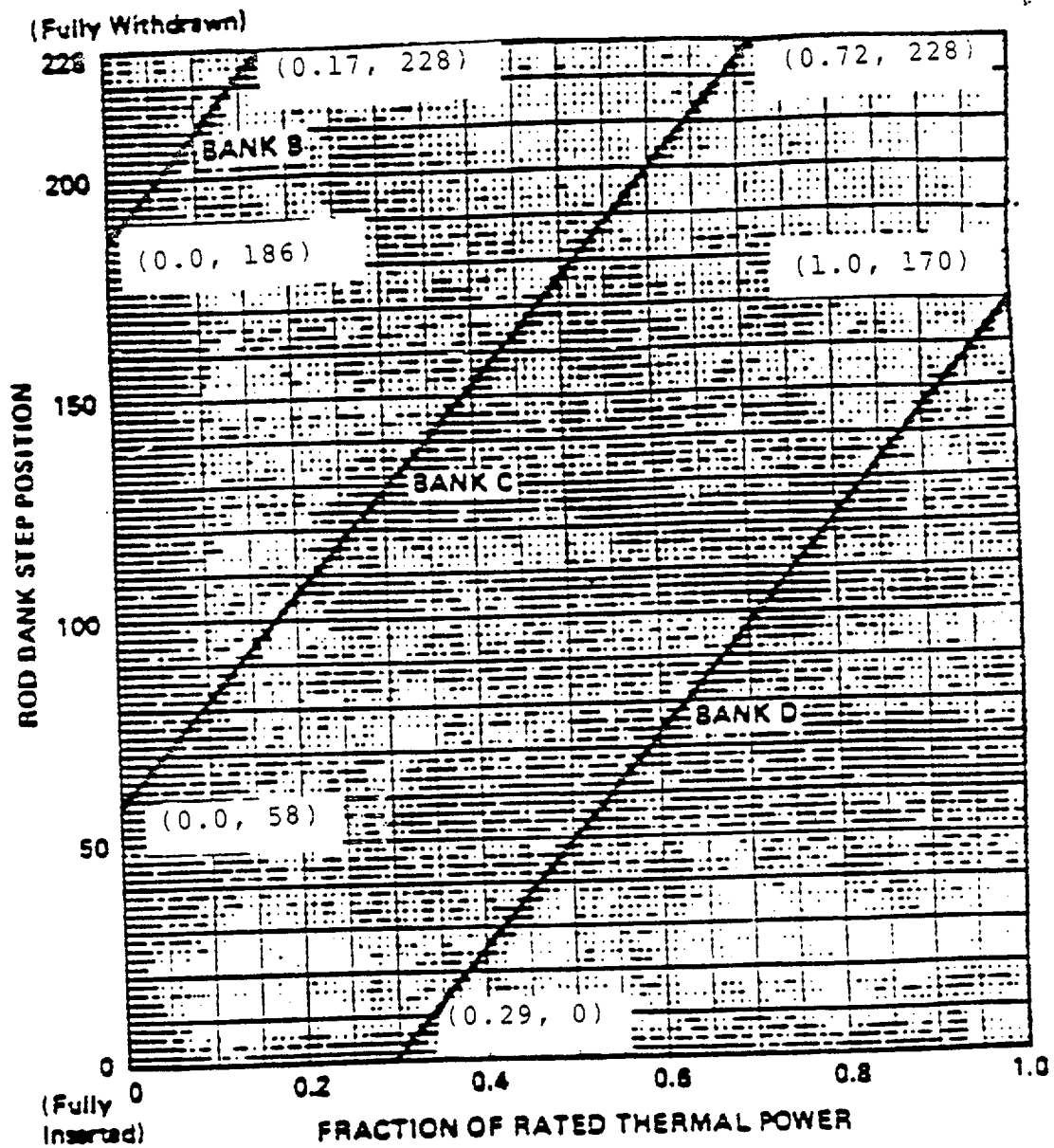


Figure 3.1-1  
ROD BANK INSERTION LIMITS VERSUS THERMAL POWER  
FOUR LOOP OPERATION



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 34 TO FACILITY OPERATING LICENSE NO. DPR-75

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

SALEM NUCLEAR GENERATION STATION, UNIT NO. 2

DOCKET NO. 50-311

Introduction

In a letter dated January 11, 1985, Public Service Electric and Gas Company (PSE&G) requested changes to the Power Dependent Insertion Limit (PDIL) of the Technical Specification (Figure 3.1-1) for Salem Unit 2. This change would match the Unit 2 PDIL curves with those of Unit 1.

This change is requested in order to gain operational flexibility which was lost due to reduction of rod insertion limits for Cycle 2 of Unit 2. The Cycle 3 reload design has been based on the proposed PDIL and a revised control rod pattern (bank grouping). The previous control rod pattern for Salem Units 1 and 2 differed considerably. The revised control rod pattern for Unit 2 would make the control rod patterns for Units 1 and 2 identical for control bank D, which is the most important control bank and almost identical for control bank C which is the next most important control bank. Bank B, the only other bank allowed in the core during power operation, must be fully withdrawn prior to 20% full power. The revision to the control rod patterns which was implemented during the Cycle 2-3 refueling outage was made under the provision of 10CFR50.59.

Evaluation and Summary

The Reload Safety Evaluation (RSE) for Cycle 3 was performed by Westinghouse and reviewed by PSE&G. The results of the RSE showed that the proposed PDIL do not cause the previously acceptable safety limits for any incident to be



exceeded. Furthermore it was shown that the current core safety limits are still applicable and that the change in no way creates the possibility of a new or different accident from any accident previously evaluated for Salem. Based on our review of the submitted information and the Westinghouse RSE, we find the proposed Technical Specification change to the Power Dependent Insertion Limits to be acceptable.

#### Environmental Consideration

This amendment involves a change in the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The staff has determined that the amendment involves no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that this amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR Sec 51.22(c)(9). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of this amendment.

#### Conclusion

We have concluded, based on the considerations discussed above, that:  
(1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Dated: May 17, 1985

#### Principal Contributor:

M. Chatterton