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

FEB 05 1980

TO ALL CONSTRUCTION PERMIT AND OPERATING LICENSE APPLICANTS

SUBJECT: ISSUANCE OF NUREG-0588, "INTERIM STAFF POSITION ON EQUIPMENT QUALIFICATION OF SAFETY-RELATED ELECTRICAL EQUIPMENT"

A task force composed of members of the NRC staff has prepared a report entitled "Interim Staff Position on Environmental Qualification of Safety-Related Electrical Equipment" (NUREG-0588), dated November 1979. The report provides the staff's resolution of the NRC's Generic Technical Activity A-24, which is an "Unresolved Safety Issue" pursuant to Section 210 of the Energy Reorganization Act of 1974. Copies of this "For Comment" edition of the report were mailed to all applicants on January 9, 1980. A notice of issuance and availability was published in the Federal Register (Vol. 45, No. 11, page 3124) on January 16, 1980. A copy of the notice is enclosed.

NUREG-0588 provides the NRC staff's technical positions on selected areas of environmental qualification, and provides guidance and describes methods which, when implemented, will ensure compliance with the Commission's requirements. The areas addressed include requirements for establishing the service conditions for areas inside and outside containment, to which equipment should be qualified; the selection of the qualification methods to be used for the equipment in these areas; and the preparation of qualification documentation. This report also defines the applicability of these positions to the different vintage plants undergoing a review for a construction permit or an operating license, that are required to conform to either the 1971 or the 1974 version of IEEE Standard 323.

In implementing the positions described in NUREG-0588 the staff will require that applicants for operating licenses document the degree to which their qualification programs comply with the staff's positions described in NUREG-0588, and their basis for any deviations. You will shortly receive, by separate letter, a request for additional information to be inserted in Section 3.11 of your Final Safety Analysis Report.

In addition, the staff plans to modify slightly its implementation of IEEE Std. 323-1974. Regulatory Guide 1.89, issued in November of 1974, requires that all CP applications for which a staff Safety Evaluation Report was issued after July 1, 1974, should comply with the requirements of IEEE Std. 323-1974. It has been staff practice to require that all other applicants comply with IEEE Std. 323-1971. This continues to be the staff practice with the following exceptions:

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Equipment which would normally be qualified in accordance with IEEE Std. 323-1971, but which has not yet undergone qualification testing, should be qualified in accordance with IEEE Std. 323-1974. In implementing this guidance, the staff will use IEEE Std. 323-1974 and the provisions of Sections 2 through 5 of the Category I positions described in NUREG-0588 in assessing the adequacy of all equipment purchased six months from the date of issuance of NUREG-0588. The service conditions developed in accordance with Section 1, Category II of NUREG-0588 may be used in meeting this requirement.

Beginning 12 months from the date of issuance of NUREG-0588, equipment which must undergo requalification testing should also be qualified in accordance with IEEE Std. 323-1974 and the provisions of Sections 2 through 5 of Category I positions described in NUREG-0588. The service conditions developed in accordance with Section I, Category II may be used in meeting this requirement.

Public comments are being solicited from interested organizations, groups, and individuals. Because of the need to review and resolve any comments received from the public, we do not anticipate full implementation of these requirements until May 1980. However, in the interim, the positions described in NUREG-0588 are being used as guidance to the staff in reviewing applicant's qualification programs.

At the completion of the 60-day period, the staff will evaluate the comments received and, if needed, will issue a supplement or revision to NUREG-0588. The target for issuing the supplement or revision is late April 1980.

All comments on NUREG-0588 and this letter should be forwarded to Mr. Andrew J. Szukiewicz, Instrumentation and Control Systems Branch, Nuclear Regulatory Commission, Washington, D.C. 20555 by March 17, 1980.

Sincerely,



D. F. Ross, Jr., Acting Director
Division of Project Management
Office of Nuclear Reactor Regulation

Enclosure:
As stated

[NUREG-0588]

Interim Staff Position on Environmental Qualification of Safety-Related Electrical Equipment; Issuance and Availability

A task force composed of members from the Nuclear Regulatory Commission (NRC) staff has prepared a report entitled "Interim Staff Position on Environmental Qualification of Safety-Related Electrical Equipment" (NUREG-0588), dated November 1979. The report provides the staff's resolution of the NRC's Generic Technical Activity A-24, "Environmental Qualification of Class IE Safety-Related Electrical Equipment" which was an "Unresolved Safety Issue" pursuant to Section 210 of the Energy Reorganization Act of 1974.

The generic study resulted from questions raised during the licensing review of boiling and pressurized water reactors. The specific concern was to determine the adequacy of equipment qualification programs currently being developed by industry to satisfy the Commission's requirement. As a result of the generic study, a number of staff technical positions have been developed on the methods and procedures used to environmentally qualify safety-related electrical equipment. These positions, which are described in NUREG-0588, supplement the requirements found in the 1971 and the 1974 version of IEEE Standard 323, "IEEE Standard for Qualifying Class IE Equipment in Nuclear Power Generating Stations". These positions will be used together with the standards as the basis for reviewing all license applications.

These technical positions address selected areas of environmental qualification, and provide guidance which, when implemented, will ensure compliance with the Commission's requirements. The areas addressed include requirements for establishing the service conditions, for areas inside and outside containment, to which equipment should be qualified; the selection of the qualification methods to be used for the equipment in these areas; and the preparation of qualification documentation. This report also defines the applicability of these positions to the different vintage plants undergoing a review for a construction permit or an operating license. In implementing the positions described in NUREG-0588, the staff will require the following:

- For all OL applications the applicants will be required to document in their FSAR the degree to which their qualification programs comply with the staff's positions described in NUREG-

0588, and their bases for deviations. Deviations from those positions will be addressed in the SERs and their supplements.

In addition, the staff plans to modify slightly its implementation of IEEE 323-1974. Regulatory Guide 1.89, issued in November of 1974, requires that all CP applications for which a staff Safety Evaluation Report was issued after July 1, 1974, should comply with the requirements of IEEE 323-1974. It has been staff practice to require that all other applicants comply with IEEE 323-1971. This continues to be the staff practice with the following exceptions:

- Equipment which would normally be qualified in accordance with IEEE 323-1971, but which has not yet undergone qualification testing, should be qualified in accordance with IEEE 323-1974. In implementing this guidance, the staff will use IEEE 323-1974 and the provisions of Sections 2 through 5 of the Category I positions described in NUREG-0588 in assessing the adequacy of all equipment purchased six months from the date of issuance of NUREG-0588. The service conditions developed in accordance with Section 1, Category II of NUREG-0588 may be used in meeting this requirement.

- Beginning 12 months from the date of issuance of NUREG-0588, equipment which must undergo requalification testing should also be qualified in accordance with IEEE 323-1974 and the provisions of Sections 2 through 5 of Category I positions described in NUREG-0588. The service conditions developed in accordance with Section I, Category II may be used in meeting this requirement.

Public comments are being solicited from interested organizations, groups and individuals. The staff will evaluate the comments received and, if needed, will issue a supplement or revision to NUREG-0588. The staff does not anticipate full implementation of the requirements until May 1980. In the interim, however, these positions are being used as guidance to the staff in reviewing applicants' qualification programs.

Copies of the report will be available after January 9, 1980. Copies will be sent directly to utilities, utility industry groups and associations and environmental and public interest groups. Other copies will be available for review at the NRC Public Document Room, 1717 H Street, NW, Washington, D.C.; and the Commission's local public document rooms located in the vicinity of existing nuclear power plants. Addresses of these local public document rooms can be obtained by contacting the Chief, Local Public

Document Rooms Branch, Mail Stop 309, Nuclear Regulatory Commission, Washington, D.C. 20555, telephone (301) 492-7536. A single copy of NUREG-0588 will be provided free of charge, while the supply lasts, upon written request of a full participant in an ongoing NRC proceeding. This request must identify the requester as a participant and should be addressed to Director, Division of Technical Information and Document Control, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555.

Comments should be forwarded to Mr. Andrew J. Szukiewicz, Instrumentation and Control Systems Branch, Nuclear Regulatory Commission, Washington, D.C., 20555, by March 17, 1980.

Dated at Bethesda, Md, this 13th day of December 1979.

For the Nuclear Regulatory Commission.

Roger J. Mattson,

Director, Division of Systems Safety, Office of Nuclear Reactor Regulation.

[FR Doc. 80-1333 Filed 1-15-80; 8:45 am]

BILLING CODE 7590-01-M

[Docket No. 50-272]

Public Service Electric & Gas Co., et al.; Issuance of Amendment to Facility Operating License and Negative Declaration

The U.S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 23 to Facility Operating License No. DPR-70, issued to Public Service Electric and Gas Company, Philadelphia Electric Company, Delmarva Power and Light Company and Atlantic City Electric Company (the licensees), which revised Technical Specifications for operation of the Salem Nuclear Generating Station, Unit No. 1 (the facility) located in Salem County, New Jersey. The amendment is effective as of the date of issuance.

The amendment changes Appendix B to the license, Non-Radiological Environmental Technical Specifications, to: (1) make administrative changes that clarify and improve the Technical Specifications; (2) remove the condenser ΔT and suspended solid limits; (3) change certain sampling and monitoring requirements; and (4) delete some special studies that will be evaluated as a part of the 316b demonstration.

The application for the amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10

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