

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of)	
)	
PUBLIC SERVICE ELECTRIC AND GAS)	Docket No. 50-311
COMPANY, ET. AL.)	
(Salem Nuclear Generating Station)	
Unit No. 2))	

ORDER FOR MODIFICATION OF LICENSE

I.

Public Service Electric and Gas Company, Philadelphia Electric Company, Delmarva Power and Light Company and Atlantic City Electric Company (the licensees) are holders of License No. DPR 75, which authorizes the operation of the Salem Nuclear Generating Station, Unit No. 2 for testing at reactor core power levels not in excess of 171 megawatts thermal (five percent of rated power). The facility consists of a pressurized water reactor located at the licensees' site in Salem County, New Jersey.

II.

On November 4, 1977, the Union of Concerned Scientists (UCS) filed with the Commission a "Petition for Emergency and Remedial Relief." The petition sought action in two areas: fire protection for electrical cables, and environmental qualification of electrical components. By Memorandum and Order dated April 13, 1978 (7 NRC 400), the Commission denied certain aspects of the petition and, with respect to other aspects, ordered the NRC staff to take several related actions. UCS filed a Petition for Reconsideration on May 2, 1978. By Memorandum and Order dated May 23, 1980, the Commission reaffirmed its April 13, 1973 decision regarding the possible shutdown of operating reactors. However, the Commission's

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The information developed during the Commission review of the UCS Petition emphasizes the importance of prompt completion of the upgrading of environmental qualification of safety-related electrical equipment to conform to the DOR Guidelines or NUREG-0588 and of adequate documentation of equipment qualifications. The deadlines set forth in the Commission's Memorandum and Order dated May 23, 1980, assure that such upgrading will be accomplished promptly. In order to assure prompt completion of necessary qualification work or replacement of unqualified components, if necessary, in conformance with the requirements of the Commission's Memorandum and Order dated May 23, 1980, and to provide complete and adequate documentation as promptly as possible, such upgrading and documentation work must commence immediately. Therefore, I have concluded that the public health, safety and interest require this Order for Modification of License to be effective immediately.

IV.

Accordingly, pursuant to the Atomic Energy Act of 1954, as amended, and the Commission's Rules and Regulations in 10 CFR Parts 2 and 50, IT IS ORDERED THAT EFFECTIVE IMMEDIATELY License No. DPR-75 is hereby amended to add the following license conditions 2.C.(7) and 2.C.(8) and Appendix A Technical Specification 6.10.2.1.:

License Conditions

- 2.C.(7) "By no later than June 30, 1982, all safety-related electrical equipment in the facility shall be qualified in accordance with the provisions of: Division of Operating Reactors "Guidelines for Evaluating Environmental Qualification of Class IE Electrical

Equipment in Operating Reactors" (DOR Guidelines); or NUREG-0588, "Interim Staff Position on Environmental Qualification of Safety-Related Electrical Equipment," December 1979. Copies of these documents are attached to Order for Modification of License No. DPR-75 dated October 30, 1980.

- 2.C.(8) "By no later than December 1, 1980, complete and auditable records must be available and maintained at a central location which describe the environmental qualification method used for all safety-related electrical equipment in sufficient detail to document the degree of compliance with the DOR Guidelines or NUREG-0588. Thereafter, such records should be updated and maintained current as equipment is replaced, further tested, or otherwise further qualified."

Appendix A Technical Specifications

- 6.10.2.1 Records for Environmental Qualification which are covered under the provisions of paragraph 2.C.(8) of License DPR-75."

To effectuate the foregoing, appropriate pages for incorporation into the License and the Appendix A Technical Specifications are attached to this Order.

V.

The licensees or any person whose interest may be affected by this Order may request a hearing within 20 days of the date of publication of this Order


in the Federal Register. Any request for a hearing will not stay the effective date of this Order. Any request for a hearing shall be addressed to the Director, Office of Nuclear Reactor Regulation, U. S. Nuclear Regulatory Commission, Washington, D. C. 20555. A copy of the request should also be sent to the Executive Legal Director, U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, and to Mark Wetterhahn, Esq., Conner, Moore & Cober, 1747 Pennsylvania Avenue, N. W., Suite 1050, Washington, D. C. 20006 and Richard Fryling, Jr., Esq., Assistant General Counsel, Public Service Electric and Gas Company, 80 Park Place, Newark, New Jersey 07100, attorneys for the licensees.

If a hearing is held concerning this Order, the issues to be considered at the hearing shall be:

- a. whether the licensee should be required to have the environmental qualification records referred to in Section IV, above, available at a central location by no later than December 1, 1980; and
- b. whether all safety-related electrical equipment should be qualified as required in Section IV, above, by no later than June 30, 1982.

Operation of the facility on terms consistent with this Order is not stayed by the pendency of any proceedings on the Order.

FOR THE NUCLEAR REGULATORY COMMISSION


Robert A. Purple, Acting Director
Division of Licensing
Office of Nuclear Reactor Regulation

Effective Date: October 30, 1980
Bethesda, Maryland

Attachments:

1. License and Technical Specification Pages for this Order
2. Guidelines for Evaluating Environmental Qualification of Class IE Electrical Equipment in Operating Reactors
3. NUREG-0589, Interim Staff Position on Environmental Qualification of Safety-Related Electrical Equipment.

(6) Conditions on Operations Beyond Zero Power Testing

The following conditions shall be completed to the satisfaction of the Commission prior to proceeding beyond zero power testing. The following conditions are related to matters specified in the TMI Action Plan, and the Near Term Operating License (NTOL) requirements dated February 6, 1980, and are applicable to operation beyond zero power testing. Each of the following conditions references the appropriate section of Part II of Supplement No. 4 to the Safety Evaluation Report (NUREG-0517, Suppl. No. 4) for the Salem Generating Station, Unit 2 and follows the numbering sequence utilized in the February 6, 1980 NTOL Requirements list.

a. Short-Term Effort - Analysis and Procedure Modifications (I.C.1)

PSE&G shall revise its emergency operating instructions for dealing with small break LOCAs and inadequate core cooling based on its analysis of these events and the vendor guidelines derived from these analyses. These requirements supersede the requirements specified in Item 7(b) of IE Bulletin No. 79-06A.

b. NSSS Vendor Review of Low Power Test Procedures (I.C.7)

PSE&G's low power test procedures shall be reviewed by the nuclear steam supply system vendor, Westinghouse, and documentation of the review submitted to NRC.

c. Low Power Test Program (I.G.)

As set forth in Section I.G., PSE&G shall obtain staff approval of a low power test program.

d. Additional Accident Monitoring Instrumentation (II.F.1)

PSE&G shall comply with the requirements contained in NUREG-0578, Section 2.1.8.b, as clarified in NRC 10 CFR 50.103 to operating license applicants, dated November 9, 1979.

(7) "By no later than June 30, 1982, all safety-related electrical equipment in the facility shall be qualified in accordance with the provisions of: Division of Operating Reactors "Guidelines for Evaluating Environmental Qualification of Class IE Electrical Equipment in Operating Reactors " (DOR Guidelines); or, NUREG-0588, "Interim Staff Position on Environmental Qualification of Safety-Related Electrical Equipment," December 1979. Copies of these documents are attached to Order for Modification of License DPR-75 dated October 30, 1980."

(8) "By no later than December 1, 1980, complete and auditable records must be available and maintained at a central location which describe the environmental qualification method used for all safety-related electrical equipment in sufficient detail to document the degree of compliance with the DOR Guidelines or NUREG-0588. Thereafter, such records should be updated and maintained current as equipment is replaced, further tested, or otherwise further qualified."