



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. 50-272

SALEM NUCLEAR GENERATING STATION, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 51  
License No. DPR-70

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 February 10, 1983, 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.

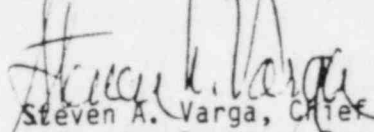
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. DPR-70 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 51, 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: March 11, 1983

ATTACHMENT TO LICENSE AMENDMENT NO. 51

FACILITY OPERATING LICENSE NO. DPR-70

DOCKET NO. 50-272

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ENVIRONMENTAL TECHNICAL SPECIFICATIONS

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ENVIRONMENTAL TECHNICAL SPECIFICATIONS

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2.0 LIMITING CONDITIONS FOR OPERATION

2.1 THERMAL

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(Pages 2.1-2 through 2.1-8 intentionally deleted)

2.2 CHEMICAL

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(Pages 2.2-2 through 2.2-6 intentionally deleted)



3.1.1.2 Dissolved Gases

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3.1.1.3 Suspended Solids

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DELETED

3.1.1.4 Other Chemicals

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3.1.1.5 Chemical Releases

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### 3.1.1.6 Meteorological Monitoring

#### Objective

The objective of meteorological monitoring is to adequately measure and document meteorological conditions at the site.

#### Specification

The meteorological monitoring system shall conform to the recommendations in Regulatory Guide 1.23, Onsite Meteorological Programs, dated February 17, 1972, and consist of instruments to measure wind speed and direction, air temperature and vertical air temperature differences at heights above ground that are representative of atmospheric conditions that exist at all gaseous effluent release points, as described in Section 3.3.3.4 of the Safety Technical Specifications.

#### Reporting Requirements

Meteorological data shall be summarized and reported in a format consistent with the recommendations of Regulatory Guide 1.21, Measuring, Evaluating, and Reporting

### 3.1.2 BIOTIC

#### 3.1.2.1 General Ecological Survey

The primary objective of this survey is to determine the effect of plant operation on the ecology and environment of the Delaware River Estuary and environs. The preoperational biological monitoring was initiated in 1968 and monitoring will be continued for 5 years after Unit No. 2 becomes operational. The program shall be discontinued only after approval by NRC staff. These studies will serve as a basis for assessment of the effects of plant operation on the ecology.

#### Study Plan

The study area includes the Delaware River Estuary and some tributaries within an approximate 10-mile radius of the station. The biological parameters monitored are listed in Table 3.1-2 and the general sampling locations are shown in Figure 3.1-1.

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#### Specification

##### 1. Aquatic Studies

(deleted)

TABLE 3.1-1  
WATER QUALITY ANALYSIS PARAMETERS

DELETED

TABLE 3.1-3  
ANTICIPATED CHEMICAL WASTE DISCHARGE (SALEM STATION)

DELETED



4.0 SPECIAL SURVEILLANCE AND STUDY ACTIVITIES

4.1 SECTION 316(b) STUDIES

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4.3

THERMAL PLUME MAPPING

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4.4

INTAKE VELOCITY STUDY

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5.6 PLANT REPORTING REQUIREMENTS

5.6.1 ROUTINE REPORTS

5.6.1.1 Annual Environmental Operating Report

1.a. Nonradiological Report

A report on the environmental surveillance programs for the previous 12 months of operation shall be submitted to the Director of the Regional Inspection and Enforcement Office (with copy to the Director, Office of Nuclear Reactor Regulation) as a separate document within 165 days after January 1 of each year. The period of the first report shall begin with the date of initial criticality. The report shall include summaries, interpretations, and statistical evaluation of the results of the non-radiological environmental surveillance activities (Section 3.0) and the environmental monitoring programs required by limiting conditions for operation (Section 2.0) for the report period, including a comparison with preoperational studies, operational controls (as appropriate), and previous environmental surveillance reports and an assessment of the observed impacts of the plant operation on the environment. If harmful effects or evidence of irreversible damage are detected by the monitoring, the licensee shall provide an analysis of the problem and a proposed course of action to alleviate the problem.

b. Reports to Other Agencies

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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. 18  
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 February 10, 1983, 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.

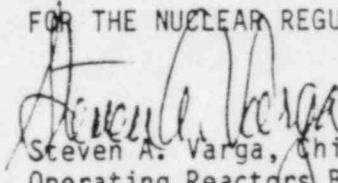
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. DPR-75 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 18, 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: March 11, 1983

ATTACHMENT TO LICENSE AMENDMENT NO. 18

FACILITY OPERATING LICENSE NO. DPR-75

DOCKET NO. 50-311

Revise Appendix B (Part II) as follows:

Remove Pages

2-1  
3-1  
5-3

Insert Pages

2-1  
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2. LIMITING CONDITIONS FOR OPERATION

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3. ENVIRONMENTAL MONITORING

3.1 Aquatic Studies

Deleted

3.2 Terrestrial Studies

None required

descriptions, analyses, interpretations, and evaluations of such changes, test, and experiments.

#### 5.4 Station Reporting Requirements

##### 5.4.1 Routine Reports

##### Annual Environmental Operating Report

A report on the environmental surveillance programs for the previous 12 months of operation shall be submitted to the Director of the Regional Inspection and Enforcement Office (with copy to the Director, Office of Nuclear Reactor Regulation) as a separate document within 165 days after January 1 of each year. The period of the first report shall begin with the date of initial criticality. The report shall include summaries, interpretations, and statistical evaluation of the results of the non-radiological environmental surveillance activities (Section 3.0) and the environmental monitoring programs required by limiting conditions for operation (Section 2.0) for the report period, including a comparison with preoperational studies, operational controls (as appropriate), and previous environmental surveillance reports and an assessment of the observed impacts of the plant operation on the environment. If harmful effects or evidence of irreversible damage are detected, the licensee shall provide an analysis of the problem and a proposed course of action to alleviate the problem.

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In the event that some results are not available by the report due date, the report shall be submitted noting and explaining the missing results. The missing data shall be submitted as soon as possible in a supplementary report.

the Annual Report shall also include a summary of:

1. All ETS noncompliances and the corrective actions taken to remedy them.
2. Changes made to applicable State and Federal permits and certifications.
3. Changes in station design which could involve an environmental impact or change the findings of the FES.
4. All nonroutine reports submitted per ETS Section 4.1.
5. Changes in approved ETS.

##### 5.4.2 Nonroutine Reports

A report shall be submitted in the event that an "Unusual or Important Environmental Event," as specified in Section 4.4.4 occurs, or if another relevant