

November 19, 1987

Docket No. 50-387

Mr. Harold W. Keiser
Vice President
Nuclear Operations
Pennsylvania Power and Light Company
2 North Ninth Street
Allentown, Pennsylvania 18101

Dear Mr. Keiser:

SUBJECT: TECHNICAL SPECIFICATION CHANGE FOR DRYWELL COOLING FANS OPERABILITY
(TAC NO. 61097)

RE: SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1

The Commission has issued the enclosed Amendment No. 75 to Facility Operating License No. NPF-14 for the Susquehanna Steam Electric Station, Unit 1. This amendment is in response to your letter dated March 27, 1986. A notice of no significant hazards consideration was published in the Federal Register (51 FR 16932, dated May 7, 1986) covering all changes requested for Unit 1 and Unit 2.

This amendment corrects an error in the Technical Specifications for Unit 1 drywell cooling fans. The Technical Specification changes for Unit 2 were previously approved in the Amendment No. 36. This completes our actions on your March 27, 1986 application.

A copy of our Safety Evaluation is also enclosed. Notice of Issuance will be included in the Commission's Biweekly Federal Register Notice.

Sincerely,

/s/

Walter R. Butler, Director
Project Directorate I-2
Division of Reactor Projects I/II
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 75 to License No. NPF-14
2. Safety Evaluation

cc w/enclosures:
See next page

Previously concurred*

PDI-2/LA*
MO'Brien
10/23/87

PDI-2/PM*
MThadani
10/27/87

PDI-2/D*
WButler
10/27/87

OGC
Woodhead
11/15/87

DISTRIBUTION:

<u>Docket File</u>	EJordan
NRC PDR	JPartlow
Local PDR	TBarnhart (4)
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SVarga	EButcher <i>A. A. Francisco</i>
BBoger	Tech Branch
WButler	ACRS (10)
MThadani/DFischer	CMiles, GPA/PA
MO'Brien	RDiggs, ARM/LFMB
OGC - Bethesda	DHagan
BClayton	RBlough

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(TAC NO. 61097)

RE: SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1

The Commission has issued the enclosed Amendment No. to Facility Operating License No. NPF-14 for the Susquehanna Steam Electric Station, Unit 1. This amendment is in response to your letter dated March 27, 1986, as revised April 18, 1986, and March 2 and April 3, 1987.

This amendment supplements Amendment No. 36 to Facility Operating License NPF-22. The Amendment No. 36 covered Technical Specification changes for Unit No. 2 drywell cooling in accordance with your letters dated March 27, 1986 and April 18, 1986. This Amendment corrects an error in the Unit No. 1 Technical Specification section 3/4 3.6.6.3 as requested in your March 27, 1986 letter but not included in the Amendment No. 36.

A copy of our Safety Evaluation is also enclosed. Notice of Issuance will be included in the Commission's Biweekly Federal Register Notice.

Sincerely,

Walter R. Butler, Director
Project Directorate I-2
Division of Reactor Projects I/II
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. to License No. NPF-14
2. Safety Evaluation

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10/23/87

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PDI-2/PM
MThadani
10/27/87

WButler
PDI-2/D.A.
WButler
/ /87

OGC
OGC
/ /87



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

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RE: SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1

The Commission has issued the enclosed Amendment No. 75 to Facility Operating License No. NPF-14 for the Susquehanna Steam Electric Station, Unit 1. This amendment is in response to your letter dated March 27, 1986. A notice of no significant hazards consideration was published in the Federal Register (51 FR 16932, dated May 7, 1986) covering all changes requested for Unit 1 and Unit 2.

This amendment corrects an error in the Technical Specifications for Unit 1 drywell cooling fans. The Technical Specification changes for Unit 2 were previously approved in the Amendment No. 36. This completes our actions on your March 27, 1986 application.

A copy of our Safety Evaluation is also enclosed. Notice of Issuance will be included in the Commission's Biweekly Federal Register Notice.

Sincerely,

A handwritten signature in cursive script that reads "Walter R. Butler".

Walter R. Butler, Director
Project Directorate I-2
Division of Reactor Projects I/II
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 75 to License No. NPF-14
2. Safety Evaluation

cc w/enclosures:
See next page

Mr. Harold W. Keiser
Pennsylvania Power & Light Company

Susquehanna Steam Electric Station
Units 1 & 2

cc:

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P.O. Box 1266
Harrisburg, Pennsylvania 17108-1266



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

PENNSYLVANIA POWER & LIGHT COMPANY

ALLEGHENY ELECTRIC COOPERATIVE, INC.

DOCKET NO. 50-387

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 75
License No. NPF-14

1. The Nuclear Regulatory Commission (the Commission or the NRC) having found that:
 - A. The application for the amendment filed by the Pennsylvania Power & Light Company, dated March 27, 1986 complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's 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 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 set forth in 10 CFR Chapter I;
 - 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 the Facility Operating License No. NPF-14 is hereby amended to read as follows:

(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 75 and the Environmental Protection Plan contained in Appendix B, are hereby incorporated in the license. PP&L shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

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

FOR THE NUCLEAR REGULATORY COMMISSION

/s/

Walter R. Butler, Director
Project Directorate I-2
Division of Reactor Projects I/II

Attachment:
Changes to the Technical
Specifications

Date of Issuance: November 19, 1987

PDI-2/D
WButler
10/23/87

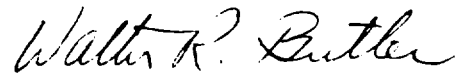
ML
PDI-2/PM
MThadani
10/27/87

*W/insert change
to amendment*
DGC
Woodward
11/5/87

PDI-2/D
WButler
11/19/87

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

FOR THE NUCLEAR REGULATORY COMMISSION



Walter R. Butler, Director
Project Directorate I-2
Division of Reactor Projects I/II

Attachment:
Changes to the Technical
Specifications

Date of Issuance: November 19, 1987

ATTACHMENT TO LICENSE AMENDMENT NO.75

FACILITY OPERATING LICENSE NO. NPF-14

DOCKET NO. 50-387

Replace the following pages of the Appendix A Technical Specifications with enclosed pages. The revised page is identified by Amendment number and contains vertical lines indicating the area of change. The overleaf page is provided to maintain document completeness.*

REMOVE

3/4 6-37
3/4 6-38

INSERT

3/4 6-37*
3/4 6-38

CONTAINMENT SYSTEMS

3/4.6.6 PRIMARY CONTAINMENT ATMOSPHERE CONTROL

DRYWELL AND SUPPRESSION CHAMBER HYDROGEN RECOMBINER SYSTEMS

LIMITING CONDITION FOR OPERATION

3.6.6.1 Two drywell and two suppression chamber hydrogen recombiner systems shall be OPERABLE.

APPLICABILITY: OPERATIONAL CONDITIONS 1 and 2.

ACTION:

With one drywell and/or one suppression chamber hydrogen recombiner system inoperable, restore the inoperable system to OPERABLE status within 30 days or be in at least HOT SHUTDOWN within the next 12 hours.

SURVEILLANCE REQUIREMENTS

4.6.6.1 Each drywell and suppression chamber hydrogen recombiner system shall be demonstrated OPERABLE:

- a. At least once per 6 months by energizing the recombiner system to at least 10 kw for \geq 5 minutes.
- b. At least once per 18 months by:
 1. Performing a CHANNEL CALIBRATION of all recombiner operating instrumentation and control circuits. .
 2. Verifying the integrity of all heater electrical circuits by performing a resistance to ground test following the above required energization. The resistance to ground for any heater phase shall be greater than or equal to 10,000 ohms.
 3. Verifying through a visual examination that there is no evidence of abnormal conditions within the recombiner enclosure; i.e., loose wiring or structural connections, deposits of foreign materials, etc.

CONTAINMENT SYSTEMS

DRYWELL AIR FLOW SYSTEM

LIMITING CONDITION FOR OPERATION

3.6.6.3 Drywell unit cooler fans 1V414 A&B, 1V416 A&B and recirculation fans 1V418 A&B shall be OPERABLE at low speed.

APPLICABILITY: OPERATIONAL CONDITIONS 1 and 2.

ACTION:

- a. With one fan in one or more of the above pairs of fans inoperable at low speed, restore the inoperable fan(s) to OPERABLE status within 30 days or be in at least HOT SHUTDOWN within the next 12 hours.
- b. With both fans in any pair inoperable at low speed, follow the requirements of Specification 3.0.3.

SURVEILLANCE REQUIREMENTS

4.6.6.3 Each of the fans required above shall be demonstrated OPERABLE at least once per 92 days by:

- a. Starting each fan at low speed from the control room, and
- b. Verifying that each fan operates for at least 15 minutes.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
SUPPORTING AMENDMENT NO. 75 TO FACILITY OPERATING LICENSE NO. NPF-14

PENNSYLVANIA POWER & LIGHT COMPANY
ALLEGHENY ELECTRIC COOPERATIVE, INC.

DOCKET NO. 50-387

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1

1.0 INTRODUCTION

By letter dated March 27, 1986 the Pennsylvania Power & Light Company (the licensee) requested an amendment to Facility Operating License No. NPF-14 for the Susquehanna Steam Electric Station, Unit 1 and to Facility Operating License No. NPF-22 to the Susquehanna Steam Electric Station (SSES) Unit No. 2. The requested changes for SSES Unit No. 2 were approved by Amendment No. 36. This Safety Evaluation addresses a correction of an error in the Technical Specification Section 3/4 3.6.6.3 for SSES Unit No. 1 requested in March 27, 1986 letter.

During the review of the Technical Specifications for drywell cooling fans, the licensee noted an error which allowed up to six fans to be inoperable for up to 30 days. The licensee has proposed a change to the Technical Specification Section 3/4 3.6.6.3 to correct the error to assure that at least one fan from each pair will remain operable as assumed in the design basis of the cooling system.

2.0 EVALUATION

The staff review of the licensee's request indicates that the current statement in the Technical Specifications regarding drywell cooling fans would inadvertently allow all six fans to be in an inoperable status for up to 30 days without any action being required. The staff finds that the proposed change will clarify that the operability of each of the three pairs of fans is assured separately. The proposed change is therefore acceptable.

3.0 ENVIRONMENTAL CONSIDERATION

This amendment involves a change to a requirement with respect to 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

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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 51.22(c)(9). Pursuant to 10 CFR 51.22(b) no environmental impact statement nor environmental assessment need be prepared in connection with the issuance of this amendment.

4.0 CONCLUSION

The Commission made a proposed determination that the amendment involves no significant hazards consideration which was published in the Federal Register (51 FR 16932) on May 7, 1986 and consulted with the State of Pennsylvania. No public comments were received, and the State of Pennsylvania did not have any comments.

The staff has 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 nor to the health and safety of the public.

Principal Contributor: A. Notafrancesco

Dated: November 19, 1987