

MAR 28 1985

Docket No. 50-388

Mr. Norman W. Curtis
Vice President - Engineering and
Construction - Nuclear
Pennsylvania Power & Light Company
Two North Ninth Street
Allentown, PA 18101

Dear Mr. Curtis:

SUBJECT: SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2 - AMENDMENT NO. 9
TO LICENSE NPF-22

The Commission has issued the enclosed Amendment No. 9 to Operating License NPF-22 for the Susquehanna Steam Electric Station, Unit 2. The amendment consists of a change to License Condition 2.C.(7) of Facility Operating License NPF-22 in response to your application dated January 30, 1985, which requested an extension to the March 31, 1985 deadline for the environmental qualification of certain electrical equipment important to safety. We expect compliance for these remaining components at the earliest practicable time but in no event later than November 30, 1985.

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

Sincerely,

A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing

Enclosures:

1. Amendment No. 9 to NPF-22
2. Safety Evaluation Report

cc: See next page

DISTRIBUTION
See Attached

*See previous concurrence concurred on by:

*LB#2/DL/PM	*LB#2/DL/LA	*LB#2/DL/BC	*OELD
RAuluck:lb	EHylton	ASchwencer	WShields
03/22/85	03/22/85	03/22/85	03/22/85

3/27/85

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P PDR



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

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

Sincerely,

A handwritten signature in cursive script, appearing to read "A. Schwencer".

A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing

Enclosures:

1. Amendment No. 9 to NPF-22
2. Safety Evaluation Report

cc: See next page

Issuance of Amendment No. 9 to Facility Operating License No. NPF-22
Susquehanna Steam Electric Station, Unit 2

DISTRIBUTION

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LHarmon

TBarnhart (4)

Inez Bailey

Susquehanna

Mr. Norman W. Curtis
Vice President
Engineering and Construction
Pennsylvania Power & Light Company
2 North Ninth Street
Allentown, Pennsylvania 18101

Jay Silberg, Esq.
Shaw, Pittman, Potts, & Trowbridge
1800 M Street, N. W.
Washington, D.C. 20036

Edward M. Nagel, Esq.
General Counsel and Secretary
Pennsylvania Power & Light Company
2 North Ninth Street
Allentown, Pennsylvania 18101

Mr. William E. Barberich
Manager-Nuclear Licensing
Pennsylvania Power & Light Company
2 North Ninth Street
Allentown, Pennsylvania 18101

Mr. R. Jacobs
Resident Inspector
P.O. Box 52
Shickshinny, Pennsylvania 18655

Mr. E. B. Poser
Project Engineer
Bechtel Power Corporation
P. O. Box 3965
San Francisco, California 94119

Mr. Thomas M. Gerusky, Director
Bureau of Radiation Protection Resources
Commonwealth of Pennsylvania
P. O. Box 2063
Harrisburg, Pennsylvania 17120

Mr. N. D. Weiss
Project Manager
Mail Code 391
General Electric Company
175 Curtner Avenue
San Jose, California 95125

Robert W. Alder, Esquire
Office of Attorney General
P. O. Box 2357
Harrisburg, Pennsylvania 17120

Mr. William Matson
Allegheny Elec. Cooperative, Inc.
212 Locust Street
P. O. Box 1266
Harrisburg, PA 17108-1266

Susquehanna

cc: Governor's Office of State Planning & Development
Attn: Coordinator, State Clearinghouse
P O. Box 1323
Harrisburg, Pennsylvania 17120

Mr. Bruce Thomas, President
Board of Supervisors
R. D. #1
Berwick, Pennsylvania 18603

U. S. Environmental Protection Agency
Attn: EIS Coordinator
Region III Office
Curtis Building
6th and Walnut Streets
Philadelphia, Pennsylvania 19106



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

PENNSYLVANIA POWER & LIGHT COMPANY

DOCKET NO. 50-388

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 9
License No. NPF-22

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Pennsylvania Power & Light Company (the licensee), dated January 30, 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, Facility Operating License No. NPF-30 is amended by changing License Condition 2.C.(7) to read as follows:
 - (7) Environmental Qualification (Section 3.11 SER, SSER #1, SSER #2, SSER #3, SSER #4, SSER #5, SSER #6)

Prior to March 31, 1985, the licensee shall environmentally qualify all electrical equipment according to the provisions of 10 CFR 50.49 except as follows:

 - (a) All modifications of Unit 2 equipment which are common with Unit 1 shall be completed prior to the startup following the first refueling outage for Unit 1 which is prior to November 30, 1985.
 - (b) Testing and qualification of conduit seals, silicone rubber insulated cable and NSIS cable shall be completed prior to November 30, 1985.

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(c) Modifications to the Target Rock Solenoid Valve SV-22651 shall be completed prior to November 30, 1985.

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

FOR THE NUCLEAR REGULATORY COMMISSION


Harold R. Denton, Director
Office of Nuclear Reactor Regulation

Date of Issuance: MAR 28 1985

c. Modifications to the Target Rock Solenoid Valve SV-22651 shall be completed prior to November 30, 1985.

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

FOR THE NUCLEAR REGULATORY COMMISSION

Original signed by
Darrell D. Eisenhut

for Harold R. Denton, Director
Office of Nuclear Reactor Regulation

Date of Issuance: MAR 28 1985

*See previous concurrence concurred on by:

LB#2/DL/PM	LB#2/DL/LA	LB#2/DL/BC	OELD	AD/L/DL	D/DL
*RAuluck:lb	*EHylton	*ASchwencer	*WShields	*TMNovak	*HThompson
03/22/85	03/22/85	03/22/85	03/22/85	03/26/85	03/27/85

DD/NRR
DEisenhut
03/28/85

D/NRR
HDenton
03/28/85



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

SAFETY EVALUATION

AMENDMENT NO. 9 TO NPF-22

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT-2

DOCKET NO. 50-388

INTRODUCTION

By letter dated January 30, 1985, Pennsylvania Power & Light Company (the licensee) requested changes to the License Condition 2.C.(7) of Facility Operating License NPF-22.

EVALUATION

License Condition 2.C.(7) has been revised to incorporate a November 30, 1985 deadline for the environmental qualification of certain electrical equipment important to safety. Pennsylvania Power & Light Company has indicated that for Susquehanna, Unit 2, technical problems with respect to testing and installation scheduling have delayed completion of the qualification program of certain equipment per requirements of 10 CFR 50.49. PP&L has further indicated that the equipment for which qualification will not be completed by March 31, 1985 can be divided into two categories: 1) equipment for which testing will not be completed, and 2) equipment for which modification is required in order to satisfy qualification requirements.

I. Equipment for which testing has not been completed:

A. Conduit Seals

During the qualification process PP&L recognized the need for conduit seals for certain devices, particularly inside containment. Since there is no existing sealing material or methodology that had been qualified which would develop the Susquehanna SES in-containment requirements, testing of any new seals is required. Testing is now underway and is expected to be completed after March 31, 1985.

B. Silicon Rubber Insulated Cable

Silicon rubber insulated cable is used inside the containment for limit switch and solenoid valve circuits. This cable (rated at 200°C) was selected based upon vendor qualification test reports. There is a test in progress to qualify this cable for Susquehanna environmental parameters.

C. NSIS Cable

Anaconda NSIS FR-EP cable is used inside the containment for connecting

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electrical devices. This cable has been tested by Anaconda to environmental conditions which envelop the SSES conditions for all parameters except, beta radiation. The cable is being tested in conjunction with the test for conduit seals.

II. Equipment for which modifications are required

There are a number of equipment items that are having modifications implemented in order to achieve qualification. These modifications (except item C) are currently scheduled for completion during the refueling outage which began in February 1985 and will end in May 1985. The following is a brief description of the modifications.

- A. Relocate SGTS Radiation Monitors
- B. Replace PDSL Switcher in Common Plenum
- C. Replace Terminal Block and Locking Nut on Target Rock Solenoid Valve SV-22651

The staff reviewed the licensee's submittal of January 30, 1985, and has concluded that the request for extension is timely and within the scope of 10 CFR 50.49(g) and that PP&L has shown good cause for the extension. The staff has reviewed the Justifications for Continued Operation and finds them acceptable. Compliance for Category II components except item II.C is required prior to restart from the current refueling outage. Compliance for Category I components and item II.C should be achieved at the earliest practicable time, but in no event later than November 30, 1985. We find that Susquehanna, Unit 2's continued operation during the extension period will not adversely affect the public health and safety.

ENVIRONMENTAL CONSIDERATION

This amendment involves a change to a requirement with respect to 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 change in the types or significant increase in the amounts 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 Section 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.

Date: MAR 28 1980

Principal Contributors:

P. Shemanski, EQB

R. Auluck, LB#2