

Docket No. 50-388

OCT 11 1985

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

Dear Mr. Curtis:

SUBJECT: AMENDMENT NO. 18 TO FACILITY OPERATING LICENSE NO. NPF-22  
SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2

The Nuclear Regulatory Commission has issued the enclosed Amendment No.18 to Facility Operating License No. NPF-22 for the Susquehanna Steam Electric Station, Unit 2. This amendment is in response to your letter dated June 24, 1985. This amendment revises the Unit 2 Technical Specifications by deleting special reporting requirements in accordance with the January 1, 1984 NRC rule change.

A copy of the related safety evaluation supporting Amendment No.18 to Facility Operating License NPF-22 is enclosed.

Sincerely,

*[Signature]*  
Walter R. Butler, Chief

Licensing Branch No. 2  
Division of Licensing

Enclosures:

- 1. Amendment No.18 to NPF-22
- 2. Safety Evaluation

cc w/enclosure:  
See next page

Distribution:  
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*[Signature]*  
LB#2/DL/TA  
Elyton  
09/5/85

*[Signature]*  
LB#2/DL/PM  
McAmeghona:dh  
08/25/85

*[Signature]* *[Signature]*  
OELD  
J. G. Elberg  
09/11/85  
10

*[Signature]*  
LB#2/DL/BC  
WRButler  
09/27/85

*[Signature]*  
ADL/DL  
TMNovak  
10/10/85

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PDR ADOCK 05000388  
PDR

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

FOR THE NUCLEAR REGULATORY COMMISSION

*Walter R. Butler*

Walter R. Butler, Chief  
Licensing Branch No. 2  
Division of Licensing

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: OCT 11 1985

*LA*  
LB#2/DL/LA  
Ely Dton  
09/15/85

*PC*  
LB#2/DL/PC  
M. Campagnone:dh  
08/15/85

*WB*  
LB#2/DL/BC  
WRButler  
09/27/85

*Ray*  
OELD  
J. Goldberg  
08/11/85  
10

*Novak*  
AD/DL  
TMNovak  
08/10/85

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WMiller, LFMB

JPartlow

BGrimes

EJordan

LHarmon

TBarnhart(4)



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

OCT 11 1985

Docket No. 50-388

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Vice President  
Engineering and Construction - Nuclear  
Pennsylvania Power & Light Company  
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A copy of the related safety evaluation supporting Amendment No. 18 to Facility Operating License NPF-22 is enclosed.

Sincerely,

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

Walter R. Butler, Chief  
Licensing Branch No. 2  
Division of Licensing

Enclosures:

1. Amendment No. 18 to NPF-22
2. Safety Evaluation

cc w/enclosure:  
See next page

Mr. Norman W. Curtis  
Pennsylvania Power & Light Company

Susquehanna Steam Electric Station  
Units 1 & 2

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King of Prussia, Pennsylvania 19406

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Bureau of Radiation Protection  
Resources  
Commonwealth of Pennsylvania  
P. O. Box 2063  
Harrisburg, Pennsylvania 17120

**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  
ALLEGHENY ELECTRIC COOPERATIVE, INC.  
DOCKET NO. 50-388  
SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2  
AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 18  
License No. NPF-22

1. The Nuclear Regulatory Commission (the Commission or the NRC) having found that:
  - A. The application for an amendment filed by the Pennsylvania Power & Light Company, dated June 24, 1985 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 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. NPF-22 is hereby amended to read as follows:

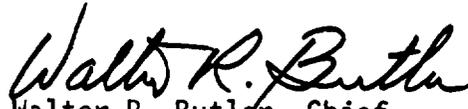
(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 18, 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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P PDR

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

FOR THE NUCLEAR REGULATORY COMMISSION

  
Walter R. Butler, Chief  
Licensing Branch No. 2  
Division of Licensing

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: **OCT 11 1985**

ATTACHMENT TO LICENSE AMENDMENT NO. 18  
FACILITY OPERATING LICENSE NO. NPF-22  
DOCKET NO. 50-388

Replace the following pages of the Appendix "A" Technical Specifications with enclosed pages. The revised pages are identified by Amendment number and contain vertical lines indicating the area of change.

REMOVE

3/4 3-77  
3/4 3-78

INSERT

3/4 3-77  
3/4 3-78

## INSTRUMENTATION

### FIRE DETECTION INSTRUMENTATION

#### LIMITING CONDITION FOR OPERATION

---

3.3.7.9 As a minimum, the fire detection instrumentation for each fire detection zone shown in Table 3.3.7.9-1 shall be OPERABLE.

APPLICABILITY: Whenever equipment protected by the fire detection instrument is required to be OPERABLE.

#### ACTION:

With the number of OPERABLE fire detection instruments less than the Minimum Instruments OPERABLE requirement of Table 3.3.7.9-1:

- a. Within 1 hour, establish a fire watch patrol to inspect the zone(s) with the inoperable instrument(s) at least once per hour, unless the instrument(s) is located inside an inaccessible zone, then inspect the area surrounding the inaccessible zone at least once per hour.
- b. The provisions of Specifications 3.0.3 and 3.0.4 are not applicable.

#### SURVEILLANCE REQUIREMENTS

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4.3.7.9.1 Each of the above required fire detection instruments which are accessible during unit operation shall be demonstrated OPERABLE at least once per 6 months by performance of a CHANNEL FUNCTIONAL TEST. Fire detectors which are not accessible during unit operation shall be demonstrated OPERABLE by the performance of a CHANNEL FUNCTIONAL TEST during each COLD SHUTDOWN exceeding 24 hours unless performed in the previous 6 months.

4.3.7.9.2 The supervised circuits supervision associated with the detector alarms of each of the above required fire detection instruments shall be demonstrated OPERABLE at least once per 6 months.

TABLE 3.3.7.9-1

FIRE DETECTION INSTRUMENTATION

<u>FIRE ZONE</u>	<u>ROOM OR AREA</u>	<u>ELEV.</u>	<u>INSTRUMENTS OPERABLE</u>					
			<u>HEAT TOTAL MIN.</u>	<u>IONIZATION TOTAL MIN.</u>	<u>PHOTO-ELECTRIC TOTAL MIN.</u>			
a. <u>Control Building</u>								
0-22A	Filter Area	687'-8"	NA	NA	11	6	NA	NA
0-24D	Lower Relay Room	698'-1"	4	2	4	2	NA	NA
0-24G	Lower Relay Room	698'-1"	4	2	4	2	NA	NA
0-24G	PGCC	698'-1"	54	27	30	15	NA	NA
0-25A	Lower Cable Spreading Rm.	714'-0"	20	10	6	3	NA	NA
0-25B	South Cable Chase	714'-0"	1	1	NA	NA	NA	NA
0-25C	Center Cable Chase	714'-0"	1	1	NA	NA	NA	NA
0-25D	North Cable Chase	714'-0"	1	1	NA	NA	NA	NA
0-25E	Lower Cable Spreading Rm.	714'-0"	26	13	6	3	NA	NA
0-26B	South Cable Chase	729'-1"	NA	NA	1	1	NA	NA
0-26C	Center Cable Chase	729'-1"	NA	NA	1	1	NA	NA
0-26D	North Cable Chase	729'-1"	NA	NA	1	1	NA	NA
0-26F	Vestibule	729'-1"	NA	NA	1	1	NA	NA
0-26G	Shift Office	729'-1"	NA	NA	1	1	NA	NA
0-26H	Control Rm. (Under Flr. Unit 1)*	729'-1"	NA	NA	18	9	NA	NA
0-26H	Control Room (Under Flr. Unit 2)*	729'-1"	NA	NA	15	8	NA	NA
0-26H	Control Room	729'-1"	NA	NA	10	5	NA	NA
0-26H	Control Rm. (Above Clg)*	729'-1"	NA	NA	6	3	NA	NA
0-26I	Operational Support Center	729'-1"	NA	NA	1	1	NA	NA
0-26J	Vestibule	729'-1"	NA	NA	1	1	NA	NA
0-26M	Soffit	729'-1"	NA	NA	4	2	NA	NA
0-26N	Control Room Soffit	729'-1"	NA	NA	2	1	NA	NA
0-26P	Control Room Soffit	729'-1"	NA	NA	2	1	NA	NA
0-26R	Soffit	729'-1"	NA	NA	4	2	NA	NA
0-26S	South Cable Chase	729'-1"	1	1	NA	NA	NA	NA



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

SAFETY EVALUATION

AMENDMENT NO. 18 TO NPF-22

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 2

DOCKET NO. 50-388

Introduction

Effective January 1, 1984, the requirements contained in 10 CFR 50.72 and 10 CFR 50.73 replaced all existing requirements for Licensees to report "Reportable Occurrences" as defined in individual plant Technical Specifications. This amendment deletes Action b in Section 3.3.7.9, "Fire Detection Instrumentation" of the Technical Specifications. Action b of Section 3.3.7.9 requires that the licensee:

"Restore the minimum number of instrument(s) to OPERABLE status within 14 days or, in lieu of any other report required by Specification 6.9.1, prepare and submit a Special Report to the Commission pursuant to Specification 6.9.2 within 30 days outlining the action taken, the cause of the inoperability and the plans and schedule for restoring the instrument(s) to OPERABLE status."

Evaluation

This Technical Specification requires the Licensee to restore instruments within 14 days or submit a special report. Based on the January 1, 1984 NRC rule change the reporting requirement is no longer applicable and neither are the references to 6.9.1 or 6.9.2 applicable since the appropriate sections pertaining to reporting requirements have already been deleted in accordance with this rule change. The requirement to restore the instruments is also no longer applicable since the Technical Specification as previously written did not require the Licensee to restore the instruments within a specified length of time if a special report was submitted. The deletion of Action b in its entirety poses no additional safety hazard since a fire watch must be established to inspect the zone(s) containing the inoperable instrument(s) within one hour. This requirement is specified in Action a of Section 3.3.7.9. The deletion of Action b is merely the deletion of a reporting requirement because without a reporting requirement the restoration of inoperable instruments has no basis since it was the Licensee's option not to restore the instrumentation within a specified time but instead file a report. This proposed change is consistent with the January 1, 1984 NRC rule change and therefore the NRC staff finds this change acceptable.

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Environmental Consideration

This amendment involves a change in the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20 and a change in reporting requirements. 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 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) and (c)(10). 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.

Conclusions

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.

Dated: **OCT 11 1965**