



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

FEB 15 1985

Docket No.: 50-387

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. 33 TO FACILITY OPERATING LICENSE NO. NPF-14 -
SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1

The Nuclear Regulatory Commission has issued the enclosed Amendment No. 33 to Facility Operating License No. NPF-14 for the Susquehanna Steam Electric Station, Unit 1. The amendment is in response to your letter dated September 24, 1984. This amendment reflects the installation of a permanent radiation monitoring system in the new fuel storage vault and spent fuel storage pool areas.

A copy of the related safety evaluation supporting Amendment No. 33 to Facility Operating License NPF-14 is enclosed.

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. 33 to NPF-14
2. Safety Evaluation

cc: w/enclosures
See next page

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P PDR

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Sincerely,

Original signed by:

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

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- 2. Safety Evaluation

cc: w/enclosures
See next page

DISTRIBUTION
See Attached

LB#2/DL
MCampadine:pob
1/30/85

LB#2/DL
EHJ:ton
1/24/85

AS
LB#2/DL
ASchwencer
1/28/85

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JGoldberg
1/29/85
subject to
check of the
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period exp.

Susquehanna

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

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Pennsylvania Power & Light Company
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Allentown, Pennsylvania 18101

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Resident Inspector
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Shickshinny, Pennsylvania 18655

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Bechtel Power Corporation
P. O. Box 3965
San Francisco, California 94119

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Bureau of Radiation Protection Resources
Commonwealth of Pennsylvania
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Harrisburg, Pennsylvania 17120

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Project Manager
Mail Code 391
General Electric Company
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San Jose, California 95125

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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

ALLEGHENY ELECTRIC COOPERATIVE INC.

DOCKET NO. 50-387

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 33
License No. NPF-14

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 September 24, 1984, 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;
 - 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:

C. (2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 33, 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 amendment is effective as of thirty (30) days from the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



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

Attachment:
Changes to the Technical
Specifications

Date of Issuance: FEB 15 1985

3. This amendment is effective as of thirty (30) days from the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

Original signed by:

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

Attachment:
Changes to the Technical
Specifications

Date of Issuance: FEB 15 1985

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McCampione: pob
2/15/85

LB#2/DL
Elyton
2/24/85

AS
LB#2/DL
ASchwencer
2/28/85

OELE
JG
2/29/85
subject to
check after
comment
period expires

ADXL/DL
TM Novak
2/13/85

ATTACHMENT TO LICENSE AMENDMENT NO. 33
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 pages are identified by Amendment number and contain vertical lines indicating the area of change.

REMOVE

3/4 3-57
3/4 3-58

INSERT

3/4 3-57
3/4 3-58

INSTRUMENTATION

3/4.3.7 MONITORING INSTRUMENTATION

RADIATION MONITORING INSTRUMENTATION

LIMITING CONDITION FOR OPERATION

3.3.7.1 The radiation monitoring instrumentation channels shown in Table 3.3.7.1-1 shall be OPERABLE with their alarm/trip setpoints within the specified limits.

APPLICABILITY: As shown in Table 3.3.7.1-1.

ACTION:

- a. With a radiation monitoring instrumentation channel alarm/trip setpoint exceeding the value shown in Table 3.3.7.1-1, adjust the setpoint to within the limit within 4 hours or declare the channel inoperable.
- b. With one or more radiation monitoring channels inoperable, take the ACTION required by Table 3.3.7.1-1.
- c. The provisions of Specifications 3.0.3 and 3.0.4 are not applicable.

SURVEILLANCE REQUIREMENTS

4.3.7.1 Each of the above required radiation monitoring instrumentation channels shall be demonstrated OPERABLE by the performance of the CHANNEL CHECK, CHANNEL FUNCTIONAL TEST and CHANNEL CALIBRATION operations for the conditions and at the frequencies shown in Table 4.3.7.1-1.



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WASHINGTON, D. C. 20555

SAFETY EVALUATION

AMENDMENT NO. 33 TO NPF-14

SUSQUEHANNA STEAM ELECTRIC STATION, UNIT 1

DOCKET NO 50-387

Introduction

The licensee proposed changes to the Technical Specifications of the operating license for Susquehanna Steam Electric Station, Unit 1 to reflect the installation of a permanent radiation monitoring system in the new fuel storage vault and spent fuel storage pool areas. Specifically, for items 2.a.1) and 2.a.2) the "Minimum Channels Operable" would be changed from "1" and "2", and for item 2.a.1) the "Measurement Range" would be changed from " 10^{-2} " to " 10^{-1} mR/hr" to read " 10^{-1} to 10^3 mR/hr."

Evaluation

The NRC staff has evaluated the licensee's proposal to install Permanent Radiation Monitors and finds that the proposed amendment is in compliance with 10 CFR Part 70.24(a)(1) and Regulatory Guide 8.12 and is acceptable.

Susquehanna SES Unit 1 previously used a portable radiation monitor. The licensee will install a permanent radiation monitor system, similar to Susquehanna SES Unit 2. The change will also include "Minimum Channel Operable" and "Measurement Range" requirements.

The above provision will amend the Susquehanna SES Unit 1 Technical Specification Table 3.3.7.1-1 to be identical with Susquehanna SES Unit 2 Technical Specification. The change to "Minimum Channel Operable" is a more stringent and conservative surveillance requirement than the previous one. The change in "Measurement Range" is consistent with the detection requirements in 10 CFR 70.24.

These radiation monitors were reviewed earlier by the staff in NUREG-0776, Safety Evaluation Report. At that time, the staff concluded that these area radiation monitors around the fuel storage areas met the requirements of 10 CFR 70.24 and were consistent with the guidance of Regulatory Guide 8.12, "Criticality Accident Alarm Systems", and therefore were acceptable.

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. 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

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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 CFR 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.

Dated: FEB 15 1985