



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

APR 29 1985

Docket Nos. 50-373/374

Mr. Dennis L. Farrar
Director of Licensing
Commonwealth Edison Company
P.O. Box 767
Chicago, Illinois 60690

Dear Mr. Farrar:

SUBJECT: ISSUANCE OF AMENDMENT NO. 21 TO FACILITY OPERATING LICENSE
NO. NPF-11 AND AMENDMENT NO. 9 TO FACILITY OPERATING LICENSE
NO. NPF-18 - LA SALLE COUNTY STATION, UNITS 1 AND 2

The Nuclear Regulatory Commission has issued the enclosed Amendment No. 21 to Facility Operating License No. NPF-11 and Amendment No. 9 to Facility Operating License No. NPF-18 for the La Salle County Station, Units 1 and 2. These amendments are in response to your letter dated January 15, 1985. The amendments would revise the La Salle, Units 1 and 2 Technical Specifications to change the method of calculating the kilowatt capacity for the electric heaters contained in the Standby Gas Treatment System required by Specification 4.6.5.3.d.3 for surveillance.

A copy of the related safety evaluation supporting Amendment No. 21 to Facility Operating License NPF-11 and Amendment No. 9 to Facility Operating License NPF-18 is enclosed.

Sincerely,

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

Enclosures:

1. Amendment No. 21 to NPF-11
2. Amendment No. 9 to NPF-18
3. Safety Evaluation

cc w/enclosure:
See next page

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PDR ADOCK 05000373
P PDR

La Salle

Mr. Dennis L. Farrar
Director of Nuclear Licensing
Commonwealth Edison Company
P.O. Box 767
Chicago, Illinois 60690

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Docket Nos. 50-373/374

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SUBJECT: ISSUANCE OF AMENDMENT NO. 21 TO FACILITY OPERATING LICENSE
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NO. NPF-18 - LA SALLE COUNTY STATION, UNITS 1 AND 2

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A copy of the related safety evaluation supporting Amendment No. 21 to Facility Operating License NPF-11 and Amendment No. 9 to Facility Operating License NPF-18 is enclosed.

Sincerely,

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

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2. Amendment No. 9 to NPF-18
3. Safety Evaluation

cc w/enclosure:
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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

COMMONWEALTH EDISON COMPANY

DOCKET NO. 50-373

LA SALLE COUNTY STATION, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment 21
License No. NPF-11

1. The Nuclear Regulatory Commission (the Commission or the NRC) having found that:
 - A. The application for amendment filed by the Commonwealth Edison Company, dated January 15, 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 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-11 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. 21 and the Environmental Protection Plan contained in Appendix B, are hereby incorporated in the license. The licensee 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 date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

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

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

Enclosure:
Changes to the Technical
Specifications

Date of Issuance: April 29, 1985

ENCLOSURE TO LICENSE AMENDMENT NO.
FACILITY OPERATING LICENSE NO. NPF-11
DOCKET NO. 50-373

Replace the following page of the Appendix "A" Technical Specifications with the enclosed page. The revised page is identified by Amendment number and contains a vertical line indicating the area of change.

REMOVE

3/4 6-41

INSERT

3/4 6-41

CONTAINMENT SYSTEMS

SURVEILLANCE REQUIREMENTS (Continued)

- b. At least once per 18 months or (1) after any structural maintenance on the HEPA filter or charcoal adsorber housings, or (2) following painting, fire, or chemical release in any ventilation zone communicating with the subsystem by:
 - 1. Verifying that the subsystem satisfies the in-place testing acceptance criteria and uses the test procedures of Regulatory Positions C.5.a, C.5.c and C.5.d of Regulatory Guide 1.52, Revision 2, March 1978, and the system flow rate is $4000 \text{ cfm} \pm 10\%$.
 - 2. Verifying within 31 days after removal that a laboratory analysis of a representative carbon sample obtained in accordance with Regulatory Position C.6.b of Regulatory Guide 1.52, Revision 2, March 1978, meets the laboratory testing criteria of Regulatory Position C.6.a of Regulatory Guide 1.52, Revision 2, March 1978.
 - 3. Verifying a subsystem flow rate of $4000 \text{ cfm} \pm 10\%$ during system operation when tested in accordance with ANSI N510-1975.
- c. After every 720 hours of charcoal adsorber operation by verifying within 31 days after removal that a laboratory analysis of a representative carbon sample obtained in accordance with Regulatory Position C.6.b of Regulatory Guide 1.52, Revision 2, March 1978, meets the laboratory testing criteria of Regulatory Position C.6.a of Regulatory Guide 1.52, Revision 2, March 1978.
- d. At least once per 18 months by:
 - 1. Verifying that the pressure drop across the combined HEPA filters and charcoal adsorber banks is less than or equal to 8 inches Water Gauge while operating the filter train at a flow rate of $4000 \text{ cfm} \pm 10\%$.
 - 2. Verifying that the filter train starts and isolation dampers open on each of the following test signals:
 - a. Reactor Building exhaust plenum radiation - high,
 - b. Drywell pressure - high,
 - c. Reactor vessel water level - low low, level 2, and
 - d. Fuel pool vent exhaust radiation - high.
 - 3. Verifying that the heaters dissipate $23 \pm 2.0 \text{ kw}$ when tested in accordance with ANSI N510-1975. This reading shall include the appropriate correction for variations from 480 volts at the bus.

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

FOR THE NUCLEAR REGULATORY COMMISSION

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

Enclosure:
Changes to the Technical
Specifications

Date of Issuance: April 29, 1985

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NO PUBLIC
COMMENTS
BEING
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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

COMMONWEALTH EDISON COMPANY

DOCKET NO. 50-374

LA SALLE COUNTY STATION, UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment 9
License No. NPF-18

1. The Nuclear Regulatory Commission (the Commission or the NRC) having found that:
 - A. The application for amendment filed by the Commonwealth Edison Company, dated January 15, 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 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-18 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. 9 and the Environmental Protection Plan contained in Appendix B, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

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

FOR THE NUCLEAR REGULATORY COMMISSION

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

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

Enclosure:
Changes to the Technical
Specifications

Date of Issuance: April 29, 1985

ENCLOSURE TO LICENSE AMENDMENT NO.
FACILITY OPERATING LICENSE NO. NPF-18
DOCKET NO. 50-374

Replace the following page of the Appendix "A" Technical Specifications with the enclosed page. The revised page is identified by Amendment number and contains a vertical line indicating the area of change.

REMOVE

3/4 6-44

INSERT

3/4 6-44

CONTAINMENT SYSTEMS

SURVEILLANCE REQUIREMENTS (Continued)

- b. At least once per 18 months or (1) after any structural maintenance on the HEPA filter or charcoal adsorber housings, or (2) following painting, fire, or chemical release in any ventilation zone communicating with the subsystem by:
 - 1. Verifying that the subsystem satisfies the in-place testing acceptance criteria and uses the test procedures of Regulatory Positions C.5.a, C.5.c and C.5.d of Regulatory Guide 1.52, Revision 2, March 1978, and the system flow rate is $4000 \text{ cfm} \pm 10\%$.
 - 2. Verifying within 31 days after removal that a laboratory analysis of a representative carbon sample obtained in accordance with Regulatory Position C.6.b of Regulatory Guide 1.52, Revision 2, March 1978, meets the laboratory testing criteria of Regulatory Position C.6.a of Regulatory Guide 1.52, Revision 2, March 1978.
 - 3. Verifying a subsystem flow rate of $4000 \text{ cfm} + 10\%$ during system operation when tested in accordance with ANSI N510-1975.
- c. After every 720 hours of charcoal adsorber operation by verifying within 31 days after removal that a laboratory analysis of a representative carbon sample obtained in accordance with Regulatory Position C.6.b of Regulatory Guide 1.52, Revision 2, March 1978, meets the laboratory testing criteria of Regulatory Position C.6.a of Regulatory Guide 1.52, Revision 2, March 1978.
- d. At least once per 18 months by:
 - 1. Verifying that the pressure drop across the combined HEPA filters and charcoal adsorber banks is less than or equal to 8 inches water gauge while operating the filter train at a flow rate of $4000 \text{ cfm} \pm 10\%$.
 - 2. Verifying that the filter train starts and isolation dampers open on each of the following test signals:
 - a. Reactor Building exhaust plenum radiation - high,
 - b. Drywell pressure - high,
 - c. Reactor vessel water level - low low, level 2, and
 - d. Fuel pool vent exhaust radiation - high.
 - 3. Verifying that the heaters dissipate $23 \pm 2.0 \text{ kW}$ when tested in accordance with ANSI N510-1975. This reading shall include the appropriate correction for variations from 480 volts at the bus.

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

FOR THE NUCLEAR REGULATORY COMMISSION

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

Enclosure:
Changes to the Technical
Specifications

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04/12/85*

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

SAFETY EVALUATION

AMENDMENT NO. TO NPF-11 AND

AMENDMENT NO. TO NPF-18

LA SALLE COUNTY STATION, UNITS 1 & 2

DOCKET NOS. 50-373 AND 50-374

Introduction

By letter dated January 15, 1985, Commonwealth Edison Company (the licensee) proposed amendments requesting changes to the La Salle Units 1 and 2 Technical Specifications to change the method for calculating the kilowatt capacity for the electric heaters contained in the Standby Gas Treatment System required by Specification 4.6.5.3.d.3 for surveillance. This surveillance requirement is to ensure that the heaters perform their function without major degradation. The changes are required to account for the bus voltage in the kilowatt capacity calculation and because new heaters have been installed.

Evaluation

Recently, the Standby Gas Treatment Heaters were replaced with ones having a heat rating of 23 KW (at 480 bus voltage) as compared to the previous heaters which had ratings of 20 KW. The present method of testing the performance of the heaters is based on a + or - 2 KW acceptance range without reference to the bus voltage during testing. The proposed technical specification change would allow an acceptance range of 23 + or - 2 KW when normalized to 480 volts. Variation in supply voltage from 480 volts is expected; and therefore, heater power consumption will be affected by the supply voltage changes. The loading on the diesel generator which power the heaters will not be significantly affected by the nominal 3 KW per heater increase, and the small increase in heater downstream temperature due to the increased kilowatt will not affect the thermal safety setting of 220°F in the heaters. The change in the method of calculating the heater capacity will provide more accurate test information on the heaters function. Finally, the amendments do not change the intent of the Technical Specification nor permit testing or operation outside the acceptable criteria.

Based on the above, the NRC staff concludes that the 15 percent increase in heater power will not cause an unacceptable increase in air temperature entering the charcoal filters, and concurs that the allowable heater capacity is voltage dependent. Therefore, the subject change is 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.

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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). 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

The Commission's proposed determination that the amendment involves no significant hazards consideration was published in the Federal Register (50 FR 12140) on March 27, 1985. No public comments were received.

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: April 29, 1985

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