

December 8, 1987

Docket Nos. 50-373
and 50-374

Mr. L. D. Butterfield, Jr.
Nuclear Licensing Manager
Commonwealth Edison Company
P.O. Box 767
Chicago, Illinois 60690

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ARM/LFMB
PDIII-2 plant file
WJones

Dear Mr. Butterfield:

SUBJECT: ISSUANCE OF AMENDMENT NO. 52 TO FACILITY OPERATING LICENSE
NO. NPF-11 AND AMENDMENT NO. 34 TO FACILITY OPERATING
LICENSE NO. NPF-18 - LA SALLE COUNTY STATION, UNITS 1 AND 2
(TAC NOS. 65660/65661)

The U.S. Nuclear Regulatory Commission has issued the enclosed Amendment No. 52 to Facility Operating License No. NPF-11 and Amendment No. 34 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 June 16, 1987.

The amendments revise the La Salle County Station, Units 1 and 2 Operating Licenses to permit the fuel pool of each unit to receive and store spent fuel from either unit.

A copy of the related Safety Evaluation supporting Amendment No. 52 to Facility Operating License No. NPF-11 and Amendment No. 34 to Facility Operating License No. NPF-18 is enclosed.

The Notice of Issuance will be included in the Commission's biweekly Federal Register notices.

Sincerely,

Original Signed by/

Paul C. Shemanski, Project Manager
Project Directorate III-2
Division of Reactor Projects - III,
IV, V and Special Projects

Enclosures:

1. Amendment No. 52 to NPF-11
2. Amendment No. 34 to NPF-18
3. Safety Evaluation

cc w/enclosure:
See next page

8712160231 871208
PDR ADDCK 05000373
P PDR

(*See Previous Concurrence)

PDIII-2	PDIII-2	PDIII-2	OGC
PShemanski/ww	*LLuther	*DMuller	*CWoodhead
11 / 20 / 87	12 / 03 / 87	12 / 01 / 87	11 / 24 / 87

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Paul C. Shemanski, Project Manager
Project Directorate III-2
Division of Reactor Projects - III,
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2. Amendment No. to NPF-18
3. Safety Evaluation

cc w/enclosure:
See next page

P.S.

LA:PD32:DRSP
LLUTHER

12/23/87

PM:PD32:DRSP
PSHEMANSKI

11/20/87

D:PD32:DRSP
DRMULLER

12/1/87

*w/changes noted & discussed by telecon
OGC
Wydolke w/ PM
11/24/87*

Mr. L. D. Butterfield, Jr.
Commonwealth Edison Company

La Salle County Nuclear Power Station
Units 1 & 2

CC:
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La Salle County Courthouse
Ottawa, Illinois 61350

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Regional Administrator, Region III
U. S. Nuclear Regulatory Commission
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Glen Ellyn, Illinois 60137



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

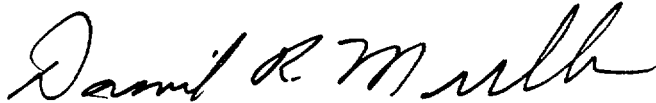
Amendment No. 52
License No. NPF-11

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment filed by the Commonwealth Edison Company (the licensee), dated June 16, 1987, 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 paragraph 2.B.(5) of Facility Operating License No. NPF-11 to read as follows:
 - (5) Pursuant to the Act and 10 CFR Parts 30, 40, and 70 to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operation of La Salle County Station Units 1 and 2.

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PDR ADOCK 05000373
P PDR

3. This amendment is effective 30-days following date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

A handwritten signature in cursive script, appearing to read "Daniel R. Muller".

Daniel R. Muller, Director
Project Directorate III-2
Division of Reactor Projects - III,
IV, V and Special Projects

Enclosure:
Changes to the Technical
Specifications

Date of Issuance: December 8, 1987



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

COMMONWEALTH EDISON COMPANY

DOCKET NO. 50-374

LA SALLE COUNTY STATION, UNIT 2

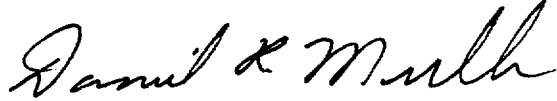
AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 34
License No. NPF-18

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment filed by the Commonwealth Edison Company (the licensee), dated June 16, 1987 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 paragraph 2.B.(5) of Facility Operating License No. NPF-18 to read as follows:
 - (5) Commonwealth Edison Company, pursuant to the Act and 10 CFR Parts 30, 40, and 70, to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operation of La Salle County Station, Units 1 and 2.

3. This amendment is effective 30 days following date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

A handwritten signature in cursive script, appearing to read "Daniel R. Muller".

Daniel R. Muller, Director
Project Directorate III-2
Division of Reactor Projects - III,
IV, V and Special Projects

Date of Issuance: December 8, 1987



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
SUPPORTING AMENDMENT NO. 52 TO FACILITY OPERATING LICENSE NO. NPF-11 AND
AMENDMENT NO. 34 TO FACILITY OPERATING LICENSE NO. NPF-18
COMMONWEALTH EDISON COMPANY
LA SALLE COUNTY STATION, UNITS 1 AND 2
DOCKET NOS. 50-373 AND 50-374

1.0 INTRODUCTION

By letter dated June 16, 1987, Commonwealth Edison Company (licensee) proposed a change to the La Salle County Station, Units 1 and 2 Facility Operating Licenses. The amendment requested will allow the storage of fuel from either unit in either fuel pool as originally intended with the connected fuel pool design. Presently, only spent fuel from Unit 1 may be stored in the Unit 1 fuel pool and only Unit 2 spent fuel may be stored in the Unit 2 fuel pool. This is in accordance with section 2.B.5 of the present licenses which state, "Pursuant to the Act and 10 CFR Parts 30, 40, and 70, to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operation of the facility." The word "facility" is defined as the unit for which that license is applicable.

2.0 EVALUATION

Spent fuel storage space at La Salle is supplied in the spent fuel pool for each unit, with each pool capable of storing 1120 fuel assemblies (Technical Specification 5.6.3). The spent fuel pools are connected, via the transfer pools (canals) and the cask well vault, thus allowing underwater transfer of spent fuel from one pool to another with no significant safety consequence.

Presently, the fuel pool of each unit contains the discharged assemblies from Cycle 1 (i.e., 232 Unit 1 spent fuel assemblies in the Unit 1 fuel pool and 224 Unit 2 spent fuel assemblies in the Unit 2 fuel pool). Due to the fact that La Salle will lose full core reserve capacity after the second refueling outage for each unit, Commonwealth Edison is planning to install high density spent fuel racks in the Unit 2 spent fuel pool in 1988. Commonwealth Edison also plans to perform a similar modification on the Unit 1 fuel pool sometime around 1992. In order

that personnel exposures for the Unit 2 rerack job be kept "As Low As Reasonable Achievable," La Salle must transfer the Unit 2 spent fuel from the Unit 2 fuel pool storage racks. However, as worded, section 2.B.5 of the Unit 1 and Unit 2 Operating Licenses would not allow the transfer of spent fuel assemblies between units.

The transfer of fuel assemblies from one fuel pool to the other is performed with the fuel handling platform utilizing the main fuel grapple or the auxiliary fuel hoist, and does not require defeating any fuel handling interlocks. The transfer of fuel assemblies from a fuel pool to the transfer canal and the cask well vault is discussed in the Updated FSAR, Subsection 9.1.2. Also, potential fuel handling accidents are evaluated in the Updated FSAR, Section 15.7. Therefore, the handling and transport of spent fuel between fuel pools are enveloped by previous analyses.

At the present time, the Unit 1 and Unit 2 fuel assemblies have essentially the same mechanical design, enrichments, and burnup histories. Consequently, the design bases, as described in the Updated FSAR Subsection 9.1.2 and Technical Specification Section 5.6, are not compromised by the storage of spent fuel from one unit in the spent fuel pool storage racks of the other unit. For each future fuel design, the peak reactivity of the fuel assemblies will be evaluated prior to their placement in the spent fuel pool. Compatibility of the fuel in both spent fuel pools will be verified at that time. This will ensure that the new fuel design will meet storage requirement design bases as described in the Updated FSAR and Technical Specifications.

The proposed Unit 1 and Unit 2 license amendments modify the following:

- Section 2.B.5 of Facility Operating License NPF-11 is proposed to be revised such that the word "facility" will be deleted and the words "La Salle County Station Units 1 and 2" be inserted.
- Section 2.B.5 of Facility Operating License NPF-18 is proposed to be revised such that the word "facility" will be deleted and the words "La Salle County Station Units 1 and 2" be inserted.

We conclude that the proposed Unit 1 and Unit 2 license amendments are acceptable.

3.0 ENVIRONMENTAL CONSIDERATION

These amendments involve changes in the installation and use of a facility component located within the restricted area as defined in 10 CFR Part 20 and changes in surveillance requirements. The staff has determined that these amendments involve 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 these amendments involve no significant hazards consideration and there has been no public comment on such finding. Accordingly, these amendments meet 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 these amendments.

4.0 CONCLUSION

The Commission made a proposed determination that the amendments involve no significant hazards consideration which was published in the FEDERAL REGISTER (52 FR 32196) on August 26, 1987, and consulted with the state of Illinois. No public comments were received, and the state of Illinois 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 these amendments will not be inimical to the common defense and security or to the health and safety of the public.

REFERENCE:

Letter from C. Allen Commonwealth Edison to USNRC dated June 16, 1987.

Principal Contributor: Paul Shemanski, NRR, PDIII-2

Dated: December 8, 1987