

July 20, 1989

Docket Nos. 50-373  
and 50-374

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DHagan  
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Plant file

Mr. Thomas J. Kovach  
Nuclear Licensing Manager  
Commonwealth Edison Company  
P.O. Box 767  
Chicago, Illinois 60690

Dear Mr. Kovach:

SUBJECT: ISSUANCE OF AMENDMENT NOS. 69 AND 51 TO FACILITY OPERATING LICENSE  
NOS. NPF-11 AND NPF-18 - LASALLE COUNTY STATION, UNITS 1 AND 2  
(TAC NOS. 71995 AND 71996)

The U.S. Nuclear Regulatory Commission has issued the enclosed Amendment No. 69 to Facility Operating License No. NPF-11 and Amendment No. 51 to Facility Operating License No. NPF-18 for the LaSalle County Station, Units 1 and 2. These amendments are in response to your letter dated January 30, 1989.

The amendments revise the LaSalle County Station, Units 1 and 2 Technical Specifications by revising the MAPLHGR Limits Curves to reflect the higher nodal exposures values for specific fuel types.

A copy of the related Safety Evaluation supporting Amendment No. 69 to Facility Operating License No. NPF-11 and Amendment No. 51 to Facility Operating License No. NPF-18 is enclosed. The Notice of Issuance will be included in the Commission's next regular biweekly Federal Register notice.

Sincerely,

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

Enclosures:

1. Amendment No. 69 to NPF-11
2. Amendment No. 51 to NPF-18
3. Safety Evaluation

cc w/enclosure:  
See next page

DFoI  
/o

P.S.  
PDIII-2:PM  
PShemanski:km  
7/18/89

PDIII-2:LA  
LLuther  
7/18/89

P.S.  
PDIII-2:(A)PD  
PShemanski  
7/18/89

OGC  
7/16/89



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

July 20, 1989

Docket Nos. 50-373  
and 50-374

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Commonwealth Edison Company  
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Office of Nuclear Reactor Regulation

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3. Safety Evaluation

cc w/enclosure:  
See next page

Mr. Thomas J. Kovach  
Commonwealth Edison Company

LaSalle County Nuclear Power Station  
Units 1 & 2

cc:

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Attorney General  
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Chairman  
Illinois Commerce Commission  
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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

LASALLE COUNTY STATION, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 69  
License No. NPF-11

1. The Nuclear Regulatory Commission (the Commission or the NRC) has found that:
  - A. The application for amendment filed by the Commonwealth Edison Company (the licensee), dated January 30, 1989 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 enclosure 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. 69, 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 upon date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

*Paul C. Shemanski*

Paul C. Shemanski, Acting Director  
Project Directorate III-2  
Division of Reactor Projects - III,  
IV, V and Special Projects  
Office of Nuclear Reactor Regulation

Enclosure:  
Changes to the Technical  
Specifications

Date of Issuance: July 20, 1989

ENCLOSURE TO LICENSE AMENDMENT NO. 69

FACILITY OPERATING LICENSE NO. NPF-11

DOCKET NO. 50-373

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

REMOVE

3/4 2-2

3/4 2-2(a)

INSERT

3/4 2-2

3/4 2-2(a)

# MAPLHGR VS. Average Planar Exposure Fuel Types 8CRB176, 8CRB219 and 8CRB071

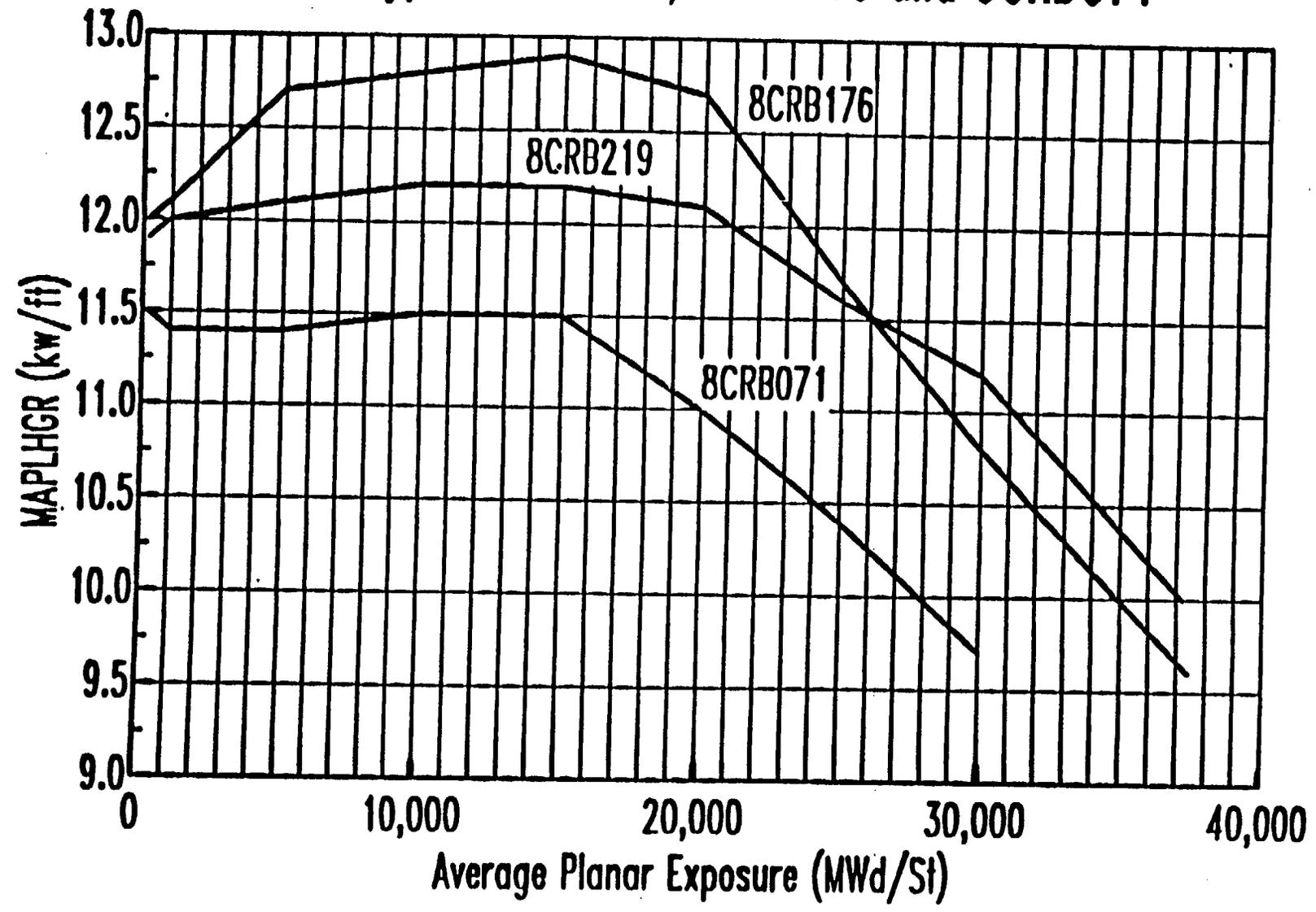


Figure 3.2.1-1

LaSalle - Unit 1

3/4 2-2(d)

AMENDMENT NO. 69

# MAPLHGR VS. Average Planar Exposure Fuel Type BP8CRB299L

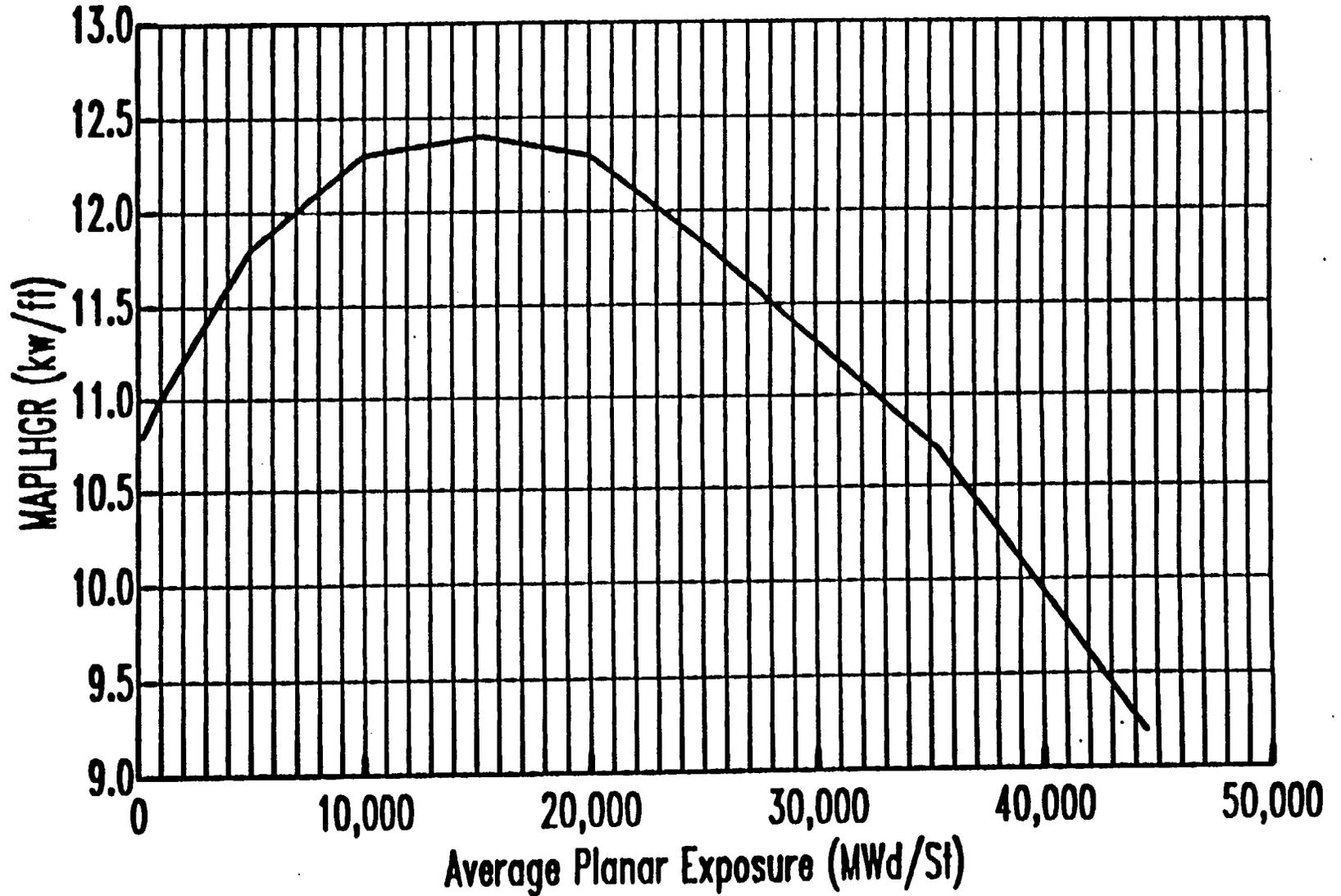


Figure 3.2.1-2



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

COMMONWEALTH EDISON COMPANY

DOCKET NO. 50-374

LASALLE COUNTY STATION, UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 51  
License No. NPF-18

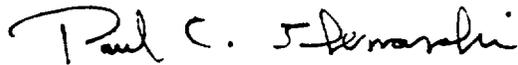
1. The Nuclear Regulatory Commission (the Commission or the NRC) has found that:
  - A. The application for amendment filed by the Commonwealth Edison Company (the licensee), dated January 30, 1989 complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and 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 enclosure 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. 51, 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 upon date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Paul C. Shemanski, Acting Director  
Project Directorate III-2  
Division of Reactor Projects - III,  
IV, V and Special Projects  
Office of Nuclear Reactor Regulation

Enclosure:  
Changes to the Technical  
Specifications

Date of Issuance: July 20, 1989

ENCLOSURE TO LICENSE AMENDMENT NO. 51

FACILITY OPERATING LICENSE NO. NPF-18

DOCKET NO. 50-374

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

REMOVE

3/4 2-2

3/4 2-2(a)

INSERT

3/4 2-2

3/4 2-2(a)

LaSalle - Unit 2

3/4 2-2

AMENDMENT NO. 51

# MAPLHGR VS. Average Planar Exposure Fuel Types 8CRB176, 8CRB219 and 8CRB071

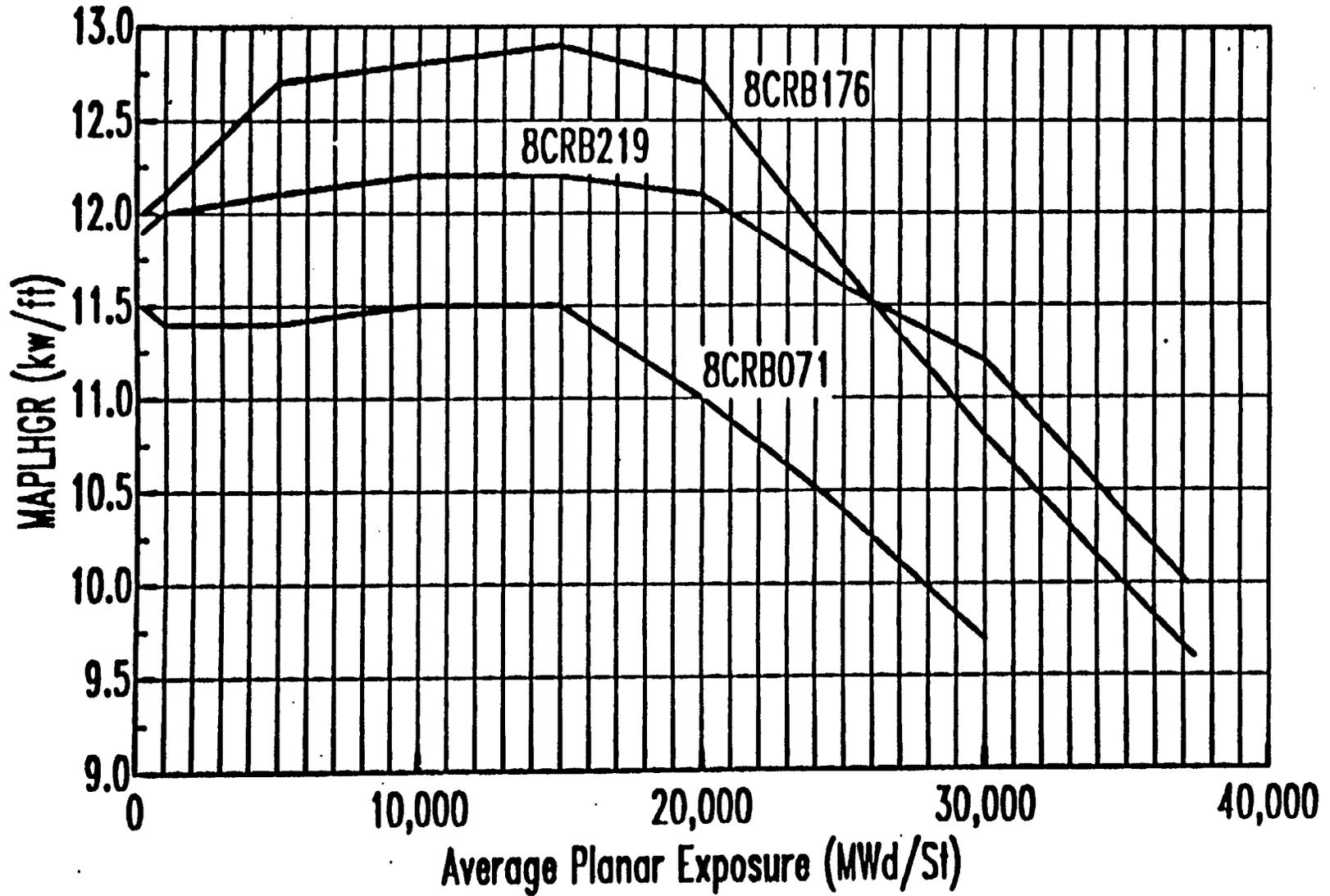


Figure 3.2.1-1

LaSalle - Unit 2

3/4 2-2(0)

AMENDMENT NO. 51

# MAPLHGR VS. Average Planar Exposure Fuel Type BP8CRB299L

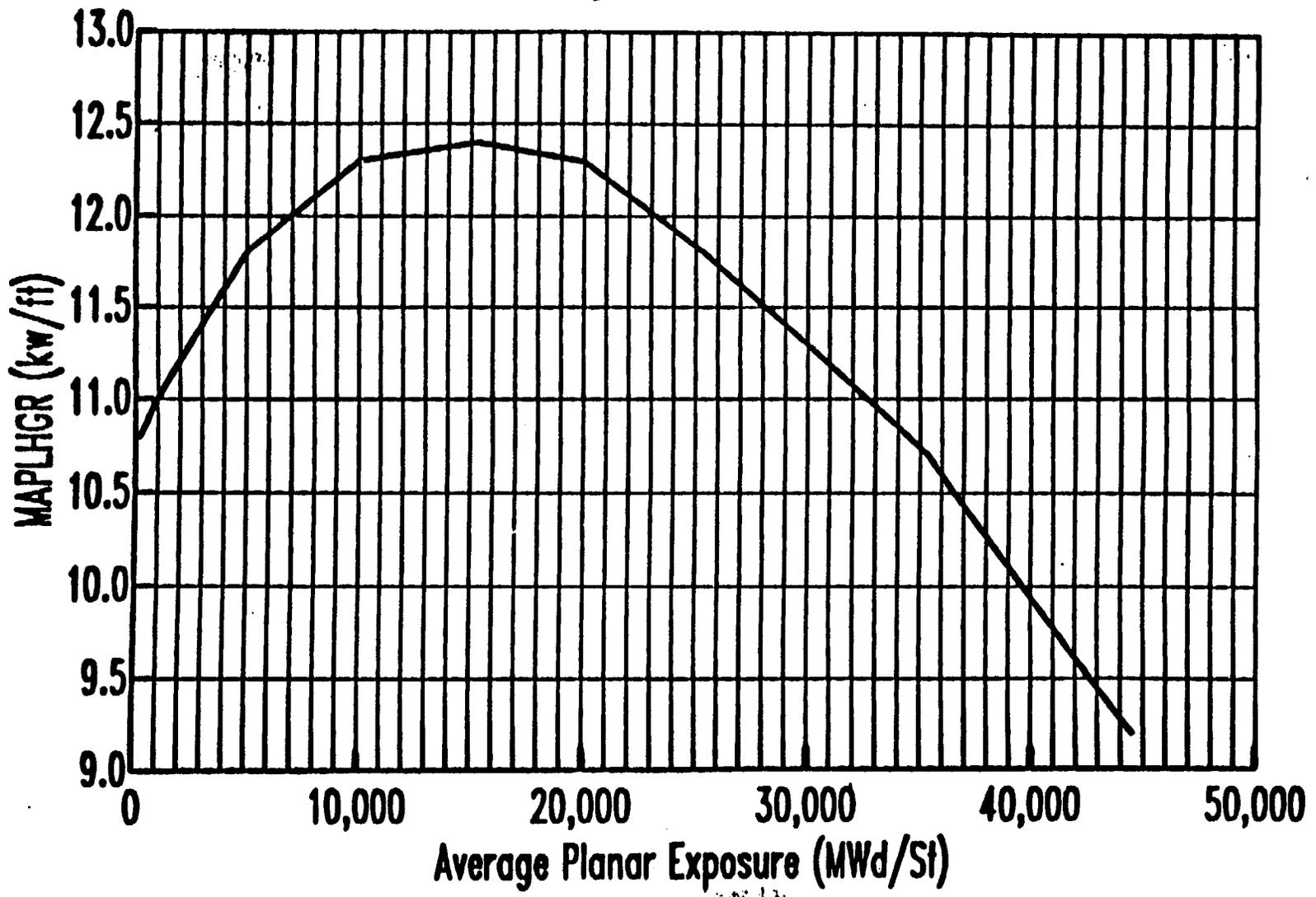


Figure 3.2.1-2



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
SUPPORTING AMENDMENT NO. 69 TO FACILITY OPERATING LICENSE NO. NPF-11 AND  
AMENDMENT NO. 51 TO FACILITY OPERATING LICENSE NO. NPF-18  
COMMONWEALTH EDISON COMPANY  
LASALLE COUNTY STATION, UNITS 1 AND 2  
DOCKET NOS. 50-373 AND 50-374

1.0 INTRODUCTION

By letter dated January 30, 1989 (W. E. Morgan, CECO, to T. E. Murley, USNRC) Commonwealth Edison Company (the licensee) proposed Technical Specification changes to the Maximum Average Planar Linear Heat Generation Rate (MAPLHGR) limit curves for three resident General Electric fuel types in LaSalle County Station Units 1 and 2. The curves are being redrawn to reflect higher average planar exposure limits which are expected to be reached during the third reload cycle for each unit.

2.0 EVALUATION

The fuel assembly types designated in the request are 8CRB176 and 8CRB219 from the initial core loading and BP8CRB299L loaded as new assemblies in Cycle 2. The proposed MAPLHGR limit curves for the three fuel types are to identify extensions to the average planar exposure range from the presently approved 30,000 MWD/STU to 44,500 MWD/STU for fuel type BP8CRB299L and from 30,000 MWD/STU to 37,000 MWD/STU for fuel types 8CRB176 and 8CRB219. The extensions are necessary to allow continued operation in the present cycle since the nodal exposures for each LaSalle unit are expected to exceed the limits of the existing curves. No changes to the three curves are proposed for exposure limits below 30,000 MWD/STU since there was no new reload cycle associated with this request.

Since the nuclear design for each LaSalle unit was performed for the prior cycles using the approved methodology described in GESTAR II (NEDE-24011-P-A-8, "General Electric Standard Application for Reactor Fuel," May 1986), only the exposure limit extension needs further review and approval. The staff confirmed that the identified fuel types have been analyzed for extended use in this application with approved methods and meet the approved limits of GESTAR II (Amendment 13, Revision 6 to NEDE-24011-P-A, dated March 26, 1986) including consideration of the requested exposure range extension, and the proposal is therefore acceptable.

### 3.0 ENVIRONMENTAL CONSIDERATION

This amendment involves a change to a requirement with respect to 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 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.

### 4.0 CONCLUSION

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, (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.

Principal Contributors: M. McCoy, NRR/SRXB  
Paul C. Shemanski, NRR/DRSP

Dated: July 20, 1989