

September 13, 1990

Docket Nos. 50-254
and 50-265

Mr. Thomas J. Kovach
Nuclear Licensing Manager
Commonwealth Edison Company-Suite 300
OPUS West III
1400 OPUS Place
Downers Grove, Illinois 60515

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Dear Mr. Kovach:

SUBJECT: ISSUANCE OF AMENDMENT - HPCI AREA FIRE DETECTION
(TAC NOS. 77153 AND 77154)

The Commission has issued the enclosed Amendment No.126 to Facility Operating License No. DPR-29 and Amendment No. 122 to Facility Operating License No. DPR-30 for the Quad Cities Nuclear Power Station, Units 1 and 2, respectively. The amendments are in response to your application dated July 16, 1990.

The amendments change the Technical Specifications to reflect a High Pressure Coolant Injection (HPCI) area fire protection modification which replaces spot-type heat detectors with a linear heat detector.

A copy of the related Safety Evaluation is also enclosed. The Notice of Issuance will be included in the Commission's biweekly Federal Register notice.

Sincerely,

Original Signed By:

Leonard N. Olshan, 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.126 to License No. DPR-29
2. Amendment No.122 to License No. DPR-30
3. Safety Evaluation

cc w/enclosures:
See next page

OFFICIAL RECORD COPY
DOCUMENT NAME: [AMENDMENT 77153/54]

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Surname:	CMoore	LOlshan:ta
Date:	8/16/90	8/16/90

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9/13/90

C.R.
SPLB
CMcCracken
8/20/90

OGC-WF1
8/28/90

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

September 13, 1990

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A copy of the related Safety Evaluation is also enclosed. The Notice of Issuance will be included in the Commission's biweekly Federal Register notice.

Sincerely,

A handwritten signature in cursive script that reads "Leonard N. Olshan".

Leonard N. Olshan, 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. 126 to
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3. Safety Evaluation

cc w/enclosures:
See next page

Mr. Thomas J. Kovach
Commonwealth Edison Company

Quad Cities Nuclear Power Station
Unit Nos. 1 and 2

cc:

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

COMMONWEALTH EDISON COMPANY

AND

IOWA-ILLINOIS GAS AND ELECTRIC COMPANY

DOCKET NO. 50-254

QUAD CITIES NUCLEAR POWER STATION, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 126
License No. DPR-29

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Commonwealth Edison Company (the licensee) dated July 16, 1990, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and 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 rules and 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 3.B. of Facility Operating License No. DPR-29 is hereby amended to read as follows:

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B. Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 126, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

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

FOR THE NUCLEAR REGULATORY COMMISSION



Richard J. Barrett, Director
Project Directorate III-2
Division of Reactor Projects - III,
IV, V and Special Projects
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: September 13, 1990

ATTACHMENT TO LICENSE AMENDMENT NO. 126

FACILITY OPERATING LICENSE NO. DPR-29

DOCKET NO. 50-254

Revise the Appendix A Technical Specifications by removing the page identified below and inserting the attached page. The revised page is identified by the captioned amendment number and contains marginal lines indicating the area of change.

REMOVE

3.12/4.12-11

INSERT

3.12/4.12-11

QUAD-CITIES
DPR-29

TABLE 3.12-1

FIRE DETECTION INSTRUMENTS

<u>INSTRUMENT LOCATION</u>	<u>MINIMUM INSTRUMENTS OPERABLE</u>			<u>Linear Heat</u>
	<u>Heat</u>	<u>Smoke</u>	<u>Flow</u>	
Unit 1 HPCI area: 1 linear heat detector				1
Unit 1 Diesel Generator Room: 2 heat detectors	1			
Unit 1 Diesel Oil Day Tank Area: 1 heat detector	1			
Unit 1/2 Diesel Generator Room 2 heat detectors	1			
Unit 1/2 Diesel Oil Day Tank Area: 1 heat detector	1			
Unit 1 Cable Tunnel: 1 flow detector			1	
Control Room, Computer Room Electrical Equipment Room HVAC: 10 smoke detectors		8		
Cable Spreading Room Area: 18 smoke detectors		12		



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

COMMONWEALTH EDISON COMPANY

AND

IOWA-ILLINOIS GAS AND ELECTRIC COMPANY

DOCKET NO. 50-265

QUAD CITIES NUCLEAR POWER STATION, UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 122
License No. DPR-30

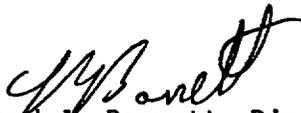
1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Commonwealth Edison Company (the licensee) dated July 16, 1990, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and 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 rules and 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 3.B. of Facility Operating License No. DPR-30 is hereby amended to read as follows:

B. Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 122, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

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

FOR THE NUCLEAR REGULATORY COMMISSION



Richard J. Barrett, Director
Project Directorate III-2
Division of Reactor Projects - III,
IV, V and Special Projects
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: September 13, 1990

ATTACHMENT TO LICENSE AMENDMENT NO. 122

FACILITY OPERATING LICENSE NO. DPR-30

DOCKET NO. 50-265

Revise the Appendix A Technical Specifications by removing the page identified below and inserting the attached page. The revised page is identified by the captioned amendment number and contains marginal lines indicating the area of change.

REMOVE

3.12/4.12-7

INSERT

3.12/4.12-7

QUAD-CITIES
DPR-30
TABLE 3.12-1

FIRE DETECTION INSTRUMENTS

<u>INSTRUMENT LOCATION</u>	<u>MINIMUM INSTRUMENTS OPERABLE</u>			
	<u>Heat</u>	<u>Smoke</u>	<u>Flow</u>	<u>Linear Heat</u>
Unit 2 HPCI area: 1 linear heat detector				1
Unit 2 Diesel Generator Room: 2 heat detectors	1			
Unit 2 Diesel Oil Day Tank Area: 1 heat detector	1			
Unit 1/2 Diesel Generator Room 2 heat detectors	1			
Unit 1/2 Diesel Oil Day Tank Area: 1 heat detector	1			
Unit 1 Cable Tunnel: 1 flow detector			1	
Control Room, Computer Room Electrical Equipment Room HVAC: 10 smoke detectors		8		
Cable Spreading Room Area: 18 smoke detectors		12		



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
SUPPORTING AMENDMENT NO. 126 TO FACILITY OPERATING LICENSE NO. DPR-29
AND AMENDMENT NO. 122 TO FACILITY OPERATING LICENSE NO. DPR-30

COMMONWEALTH EDISON COMPANY

AND

IOWA-ILLINOIS GAS AND ELECTRIC COMPANY

QUAD CITIES NUCLEAR POWER STATION, UNITS 1 AND 2

DOCKET NOS. 50-254 AND 50-265

1.0 INTRODUCTION

By letter dated July 16, 1990, Commonwealth Edison Company (the licensee) proposed a change to the Technical Specifications (TS) for Quad Cities Nuclear Power Station, Units 1 and 2. The proposed change reflects a High Pressure Coolant Injection (HPCI) area fire protection modification which replaces spot-type heat detectors with a linear heat detector.

2.0 EVALUATION

The heat detectors that are currently installed in the HPCI room are spot-type heat detectors. As a result of two inadvertent actuations of the HPCI sprinkler system, the licensee has removed the systems from service and initiated the required compensatory measures.

The licensee is proposing to replace the spot-type heat detectors with a linear heat detector. The licensee believes this change will reduce the number of inadvertent actuations of the system. Furthermore, the licensee believes that the modification will provide more coverage than the existing system since the heat sensitive material will also be located between the existing heat detectors.

We have reviewed the licensee's proposal. We conclude that the proposed modification is at least as good as, and is probably better than, the existing design and is, therefore, acceptable. The proposed TS changes reflect this modification and are also 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

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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 nor 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 (3) the issuance of this amendment will not be inimical to the common defense and security nor to the health and safety of the public.

Principal Contributor: Leonard Olshan

Dated: September 13, 1990