

May 28, 1993

Docket Nos. 50-254  
and 50-265

Mr. D. L. Farrar  
Nuclear Licensing Manager  
Commonwealth Edison Company-Suite 300  
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Dear Mr. Farrar:

SUBJECT: ISSUANCE OF AMENDMENTS (TAC NOS. M85891 AND M85892)

The Commission has issued the enclosed Amendment No.142 to Facility Operating License No. DPR-29 and Amendment No. 137 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 February 26, 1993.

The amendments revise the surveillance interval for the channel functional test of the Reactor Protection System Electrical Protective Assemblies (RPS-EPA units) per the guidance provided by Generic Letter 91-09, "Modification of Surveillance Interval for the Electrical Protective Assemblies in Power Supplies for the Reactor Protection System." The proposed change would eliminate the potential for inadvertent reactor trip caused by testing the RPS-EPA units during power operation.

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:

Chandu P. Patel, Project Manager  
Project Directorate III-2  
Division of Reactor Projects - III/IV/V  
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No.142 to DPR-29
2. Amendment No.137 to DPR-30
3. Safety Evaluation

cc w/enclosures:  
See next page

OFC	LA:PDIII-2	PM:PDIII-2	D:PDIII-2	OGC <i>[Signature]</i>
NAME	CMOORE <i>[Signature]</i>	CPATEL <i>[Signature]</i>	JDYER <i>[Signature]</i>	R Bachmann
DATE	5/20/93	5/20/93	5/28/93	5/25/93

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PDR ADOCK 05000254  
P PDR

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Mr. D. L. Farrar  
Commonwealth Edison Company

Quad Cities Nuclear Power Station  
Unit Nos. 1 and 2

cc:

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Iowa-Illinois Gas and  
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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

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. 142  
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 February 26, 1993, 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:

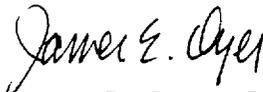
9306080289 930528  
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P PDR

B. Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 142 , 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



James E. Dyer, Director  
Project Directorate III-2  
Division of Reactor Projects - III/IV/V  
Office of Nuclear Reactor Regulation

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: May 28, 1993

ATTACHMENT TO LICENSE AMENDMENT NO. 142

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 a marginal line indicating the area of change.

REMOVE

3.9/4.9-7

INSERT

3.9/4.9-7

QUAD-CITIES  
DPR-29

- a. By performance of a CHANNEL FUNCTIONAL TEST each time the plant is in COLD SHUTDOWN for a period of more than 24 hours, unless performed in the previous 6 months.
- b. At least once per operating cycle by demonstrating the operability of overvoltage, undervoltage, and underfrequency protective instrumentation by performance of a channel calibration including simulated automatic activation of the protective relays, tripping logic, and output circuit breakers, and verifying the following setpoints:

- (1) overvoltage      126.5 V = 2.5%  
                          Min. 123.3 V  
                          Max. 129.6 V
- (2) undervoltage    108 V = 2.5%  
                          Min. 105.3 V  
                          Max. 110.7 V
- (3) underfrequency 56.0 Hz  $\pm$ 1%  
                                  of 60 Hz  
                                  Min. 55.4 Hz  
                                  Max. 56.6 Hz



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

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. 137  
License No. DPR-30

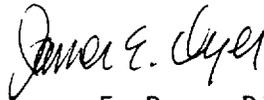
1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Commonwealth Edison Company (the licensee) dated February 26, 1993, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules 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.137 , 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



James E. Dyer, Director  
Project Directorate III-2  
Division of Reactor Projects - III/IV/V  
Office of Nuclear Reactor Regulation

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: May 28, 1993

ATTACHMENT TO LICENSE AMENDMENT NO. 137

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 a marginal line indicating the area of change.

REMOVE

3.9/4.9-7

INSERT

3.9/4.9-7





UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 142 TO FACILITY OPERATING LICENSE NO. DPR-29  
AND AMENDMENT NO. 137 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 of February 26, 1993, Commonwealth Edison Company (CECo, the licensee) requested an amendment to Facility Operating License Nos. DPR-29 and DPR-30 for Quad Cities Nuclear Power Station, Units 1 and 2. The proposed change modifies the requirements for performing a channel functional test of the Reactor Protection System Electrical Protective Assemblies (RPS-EPA units) that are currently specified with a 6-month surveillance interval. Guidance on this proposed change was provided to all boiling-water reactor (BWR) licensees by Generic Letter 91-09, "Modification of Surveillance Interval for the Electrical Protective Assemblies in Power Supplies for the Reactor Protection System," dated June 27, 1991.

2.0 EVALUATION

The licensee has proposed to modify the 6-month surveillance interval for performing channel functional tests of RPS-EPAs units as specified in Technical Specification (TS) 4.9.F.1.a to state that they are to be performed "each time the plant is in COLD SHUTDOWN for a period of more than 24 hours, unless performed in the previous 6 months." This change is consistent with the guidance provided in Generic Letter 91-09.

The Niagara Mohawk Power Corporation provided an analysis in a proposal submitted on December 15, 1988, that calculated the safety risks and benefits of this TS change. The staff reviewed and concurred with the conclusions of this analysis, that this TS change will produce a net safety benefit. Because the EPAs for all BWRs are primarily the same, the staff finds that this analysis applies generically to all BWRs. In addition, it is the staff's qualitative judgement that the proposed increase in the surveillance interval is not safety significant because of the diverse protection that exists, the number of failures that have to occur to have an adverse impact on safety, and the potential for detecting a degraded condition of the RPS through on-line

testing. Therefore, the staff finds that the licensee's proposed TS change is acceptable.

### 3.0 STATE CONSULTATION

In accordance with the Commission's regulations, the Illinois State official was notified of the proposed issuance of the amendments. The State official had no comments.

### 4.0 ENVIRONMENTAL CONSIDERATION

The amendments change a surveillance requirement. The NRC staff has determined that the 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 the amendments involve no significant hazards consideration, and there has been no public comment on such finding (58 FR 16855). Accordingly, the 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 the amendments.

### 5.0 CONCLUSION

The Commission 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 the amendments will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: Chandu P. Patel

Date: May 28, 1993