

Docket No. 50-265

Commonwealth Edison Company  
ATTN: Mr. R. L. Bolger  
Assistant Vice President  
Post Office Box 767  
Chicago, Illinois 60690

Gentlemen:

The Commission has issued the enclosed Amendment No. 18 to Facility Operating License No. DPR-30 for the Quad Cities Station Unit 2. The amendment consists of Change No. 32 in the Technical Specifications in accordance with your application dated November 13, 1975. You were previously notified of this license amendment by telephone and letter on November 14, 1975.

This amendment extends the allowed period of reactor operation with the reactor core isolation cooling system inoperable for 72 hours beyond 12:00 noon on November 14, 1975, provided that the operability of the high pressure cooling system is demonstrated every 12 hours during the additional outage period.

Copies of the Safety Evaluation and the Federal Register Notice are also enclosed.

Sincerely,

Original signed by  
Dennis L. Ziemann

Dennis L. Ziemann, Chief  
Operating Reactors Branch #2  
Division of Reactor Licensing

Enclosures:

1. Amendment No. 18
2. Safety Evaluation
3. Federal Register Notice

DISTRIBUTION

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DLZiemann	<i>PO Connor</i>

DEC 8 1975

*Returned by OELD  
with their  
commence on  
12-10-75 after review by other  
OELD personnel*

*Con*

*[Signature]*

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SURNAME ▶	<i>RMDiggs</i>	POConnor:ro	<i>TMB</i>	DLZiemann	
DATE ▶	11/2/75	11/21/75	11/26/75	12/08/75	

Commonwealth Edison Company

DEC 8 1975

cc w/enclosures:

Mr. Charles Whitmore  
President and Chairman  
Iowa-Illinois Gas and  
Electric Company  
206 East Second Avenue  
Davenport, Iowa 52801

John W. Rowe, Esquire  
Isham, Lincoln & Beale  
Counselors at Law  
One First National Plaza  
Chicago, Illinois 60670

Anthony Z. Roisman, Esquire  
Berlin, Roisman and Kessler  
1712 N Street, N. W.  
Washington, D. C. 20036

Moline Public Library  
504 - 17th Street  
Moline, Illinois 61265

Mr. Robert W. Watts, Chairman  
Rock Island County Board of  
Supervisors  
Rock Island County Courthouse  
Rock Island, Illinois 61201

cc w/enclosures and cy of CECO's  
filing dtd. 11/13/75:  
Mr. Leroy Stratton  
Bureau of Radiological Health  
Illinois Department of Public Health  
Springfield, Illinois 62706

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 UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 18  
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 November 13, 1975, 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; and
  - 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.
2. Accordingly, the license is amended by a change to the Technical Specifications as indicated in the attachment to this license amendment and Paragraph 3.B of Facility 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, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications, as revised by issued changes thereto through Change No. 32."

3. This license amendment is effective November 14, 1975.

FOR THE NUCLEAR REGULATORY COMMISSION

Original signed by  
Dennis L. Ziemann

Dennis L. Ziemann, Chief  
Operating Reactors Branch #2  
Division of Reactor Licensing

Attachment:  
Change No. 32 to the  
Technical Specifications

Date of Issuance: DEC 8 1975

ATTACHMENT TO AMENDMENT NO. 18

CHANGE NO. 32 TO THE TECHNICAL SPECIFICATIONS

FACILITY OPERATING LICENSE NO. DPR-30

DOCKET NO. 59-165

Delete existing page 102 and insert the attached page 102. The changed area on the revised page is indicated by a marginal line.

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DATE ▶						

2. From and after the date that the RCIC system is made or found to be inoperable for any reason, continued reactor operation is permissible only during the succeeding seven days unless such system is sooner made operable, provided that during such seven days all active components of the HPCI system are operable.

NOTE: The RCIC may remain inoperable for an additional 72-hour period beginning at 12:00 noon on November 14, 1975, provided that the operability of all active components of the HPCI system is demonstrated each 12 hours during this additional outage period.

3. If the requirements of Specification 3.5.E.1 and 3.5.E.2 cannot be met, an orderly shutdown shall be initiated and the reactor pressure shall be reduced to 90 psig within 24 hours.

F. Minimum Core and Containment Cooling System Availability

1. Any combination of inoperable components in the core and containment cooling systems shall not defeat the capability of the remaining operable components to fulfill the core and containment cooling functions.
2. When irradiated fuel is in the reactor vessel and reactor is in the cold shutdown condition, all low pressure core and containment cooling systems may be inoperable provided no work is being done which has the potential for draining the reactor vessel.

2. When it is determined that the RCIC system is inoperable, the HPCI system shall be demonstrated to be operable immediately and daily thereafter.

F. Minimum Core and Containment Cooling System Availability

Surveillance requirements to assure that minimum core and containment cooling systems are available and have been specified in Specification 4.2.B.

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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 18 TO FACILITY LICENSE NO. DPR-30

CHANGE NO. 32 TO THE TECHNICAL SPECIFICATIONS

COMMONWEALTH EDISON COMPANY  
AND  
IOWA-ILLINOIS GAS AND ELECTRIC COMPANY

QUAD CITIES STATION UNIT 2

DOCKET NO. 50-265

INTRODUCTION

By letter dated November 13, 1975, the Commonwealth Edison Company requested that the maximum allowable time permitted for operation with the Quad Cities Unit 2 Reactor Core Isolation Cooling System (RCIC) out of service be increased from 7 days to 14 days.

DISCUSSION

During testing on November 7, 1975, the Quad Cities Unit 2 RCIC turbine tripped on high exhaust pressure apparently caused by failure of the hydraulic fluid servo-valve actuator that controls the RCIC turbine steam inlet governor valve. The excess steam entering the turbine created a high turbine back pressure and tripped the turbine.

As required by the Quad Cities Technical Specifications when the RCIC is inoperable all active components of the High Pressure Coolant Injection System (HPCI) were tested and determined to be operable on November 7 and daily thereafter.

Corrective maintenance was performed on the RCIC turbine servo-valve actuator and on November 12, 1975, the RCIC was retested to establish its operability. The RCIC turbine operated for a short period of time and the attached oil pump failed. Because the RCIC did not operate long enough to be declared operable after the November 12 maintenance, the licensee determined that there might not be enough time remaining to complete the repairs within the allowable seven day period and therefore requested that the allowable period for the RCIC to be out of service be extended for another seven days.

### EVALUATION

We have evaluated the CECo submittal and have determined that for this specific occasion, we can grant a one time authorization to CECo to continue operation of the unit for a limited additional period of time with the RCIC out of service because the HPCI system provides a redundant means of injecting coolant into the vessel with the primary system at normal operating pressure. However, we have also determined that the requested seven day extension provides more time than the licensee will actually need to complete the repairs to the RCIC system. Therefore, we have concluded that an extension of 72 hours is appropriate rather than the longer extension requested. We believe that the Commonwealth Edison Company should be able to complete the repairs within 72 hours by diligent application of their resources.

Furthermore, it is our position that the licensee should increase the surveillance frequency of HPCI during the additional period that the RCIC is inoperable to provide added assurance of the operability of this system, which is redundant to the RCIC. Therefore, we will require demonstration of the operability of the HPCI system every twelve hours during the additional period that the RCIC is inoperable.

### CONCLUSION

We have concluded, based on the considerations discussed above, that: (1) because the changes do not involve a significant increase in the probability or consequences of accidents previously considered and do not involve a significant decreased in a safety margin, the changes do not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) such activities will be conducted in compliance with the Commission's regulations and the issuance of the amendment will not be inimical to the common defense and security or to the health and safety of the public.

Date: November 14, 1975



UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-265

COMMONWEALTH EDISON COMPANY

AND

IOWA-ILLINOIS GAS AND ELECTRIC COMPANY

NOTICE OF ISSUANCE OF AMENDMENT TO FACILITY  
OPERATING LICENSE

Notice is hereby given that the U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 18 to Facility Operating License No. DPR-30, issued to the Commonwealth Edison Company (acting for itself and on behalf of the Iowa-Illinois Gas and Electric Company), which revised Technical Specifications for operation of the Quad Cities Station Unit 2 (the facility) located in Rock Island County, Illinois. The amendment was effective as of November 14, 1975.

This amendment extended the allowable period of reactor operation with the Reactor Core Isolation Cooling System inoperable for 72 hours beyond 12:00 noon on November 14, 1975 provided that the operability of the High Pressure Coolant Injection System is demonstrated every 12 hours during the additional outage period.

The application for the amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendment. Prior public notice of this amendment is not required since the amendment does not involve a significant hazards consideration.

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For further details with respect to this action, see (1) the application for amendment dated November 13, 1975, (2) Amendment No. 18 to License No. DPR-30, with Change No. 32, and (3) the Commission's concurrently issued related Safety Evaluation. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N. W., Washington, DC and at the Moline Public Library, 504 17th Street, Moline, Illinois 60625. A single copy of items (2) and (3) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, DC 20555, Attention: Director, Division of Reactor Licensing.

Dated at Bethesda, Maryland, this *8th day of December*

FOR THE NUCLEAR REGULATORY COMMISSION

Original signed by  
 Dennis L. Ziemann  
 Dennis L. Ziemann, Chief  
 Operating Reactors Branch #2  
 Division of Reactor Licensing

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SURNAME ▶	<i>RMDiggs</i>	PWO'Connor: <i>r</i>	<i>TMB Bruen</i>	DLZiemann		
DATE ▶	11/2/75	11/13/75	11/26/75	11/ /75		