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Docket Nos. 50-254
50-265

Mr. J. S. Abel
Director of Nuclear Licensing
Commonwealth Edison Company
P. O. Box 767
Chicago, Illinois 60190

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March 16, 1981

Dear Mr. Abel:

The Commission has issued the enclosed Amendments Nos. 63 and 57 to Facility Operating Licenses DPR-29 and DPR-30 for the Quad Cities Nuclear Power Station Unit Nos. 1 & 2. The amendments are in response to your applications dated June 6, 1978 and January 8, 1979 and have been modified by subsequent discussion between our staffs.

The amendments revise the Appendix A Technical Specifications to (1) properly list the number and placement of installed heat detectors and smoke detectors in Table 3.12-1, (2) record in Table 3.12-2 the presence of a sprinkler system in the cable spreading room, and (3) correct an erroneous statement of minimum level for a fuel storage tank.

Copies of the Safety Evaluation and Notice of Issuance are also enclosed.

Sincerely,

Thomas A. Ippolito, Chief
Operating Reactors Branch #2
Division of Licensing

Enclosures:

1. Amendment No. 63 to DPR-29
2. Amendment No. 57 to DPR-30
3. Safety Evaluation
4. Notice

cc w/encl:
See next page

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OFFICE	DL:ORB#2	DL:ORB#2	DL:ORB#2	DL:ORB#2	OELD	DL:ORB#5
SURNAME	SNorris	RBevan:ms	TAIppolito	TNovak	Galloway	T.Wambach
DATE	3/9/81	3/9/81	3/9/81	3/9/81	3/12/81	3/11/81



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

March 16, 1981

Docket Nos. 50-254
50-265

Mr. J. S. Abel
Director of Nuclear Licensing
Commonwealth Edison Company
P. O. Box 767
Chicago, Illinois 60190

Dear Mr. Abel:

The Commission has issued the enclosed Amendments Nos. 63 and 57 to Facility Operating Licenses DPR-29 and DPR-30 for the Quad Cities Nuclear Power Station Unit Nos. 1 & 2. The amendments are in response to your applications dated June 6, 1978 and January 8, 1979 and have been modified by subsequent discussion between our staffs.

The amendments revise the Appendix A Technical Specifications to (1) properly list the number and placement of installed heat detectors and smoke detectors in Table 3.12-1, (2) record in Table 3.12-2 the presence of a sprinkler system in the cable spreading room, and (3) correct an erroneous statement of minimum level for a fuel storage tank.

Copies of the Safety Evaluation and Notice of Issuance are also enclosed.

Sincerely,

A handwritten signature in cursive script, reading "Thomas A. Ippolito".

Thomas A. Ippolito, Chief
Operating Reactors Branch #2
Division of Licensing

Enclosures:

1. Amendment No. 63 to DPR-29
2. Amendment No. 57 to DPR-30
3. Safety Evaluation
4. Notice

cc w/encl:
See next page

Mr. J. S. Abel
Commonwealth Edison Company

cc:

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Mr. Marcel DeJaegher, Chairman
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of Supervisors
Rock Island County Court House
Rock Island, Illinois 61201

Director, Criteria and Standards
Division
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U. S. Environmental Protection Agency
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U. S. Environmental Protection Agency
Federal Activities Branch
Region V Office
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Environmental Control Division
188 W. Randolph Street
Suite 2315
Chicago, Illinois 60601



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 NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 63
License No. DPR-29

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The applications for amendment by the Commonwealth Edison Company (the licensee) dated June 6, 1978 and January 8, 1979, comply 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 applications, 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:

3.B Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 63, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

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

FOR THE NUCLEAR REGULATORY COMMISSION


Thomas A. Ippolito, Chief
Operating Reactors Branch #2
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: March 16, 1981

ATTACHMENT TO LICENSE AMENDMENT NO. 63

FACILITY OPERATING LICENSE NO. DPR-29

DOCKET NO. 50-254

Revise the Appendix "A" Technical Specifications as follows:

<u>Remove</u>	<u>Replace</u>
3.12/4.12-5	3.12/4.12-5
3.12/4.12-7	3.12/4.12-7
3.12/4.12-8	3.12/4.12-8

Quad-Cities
DPR-29

2. With one or more penetration fire barriers not intact, establish a continuous fire watch on at least one side of the affected penetration within 1 hour if the area on either side of the affected penetration contains equipment required to be operable.

- a. At least once per operating cycle, and
- b. Prior to declaring a penetration fire barrier functional following repairs or maintenance.

G. Fire Pump Diesel Engine

1. The Fire Pump Diesel Engine shall be operable as specified in 3.12.B.1.a and 3.12.B.1.b.

G. Fire Pump Diesel Engine

1. The fire pump diesel starting 24-volt battery bank and charger shall be demonstrated OPERABLE:
 - a. At least once per 7 days by verifying that:
 - (1) The electrolyte level of each battery is above the plates, and
 - (2) The overall battery voltage is ≥ 24 volts.
 - b. At least once per 92 days by verifying that the specific gravity is appropriate for continued service of battery.
 - c. At least once per 18 months by verifying that:
 - (1) The batteries, cell plates and battery racks show no visual indication of physical damage or abnormal deterioration, and
 - (2) The battery-to-battery and terminal connections are clean, tight, free of corrosion and coated with anti-corrosion material.
2. The fire pump diesel engine shall be demonstrated OPERABLE:
 - a. At least once per 31 days by verifying:
 - (1) The fuel storage day tank contains at least 150 gallons of fuel, and
 - (2) The diesel starts from ambient conditions and operates for at least 20 minutes.

3.12/4.12-5

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>
Unit 1 HPCI area: 7 heat detectors	5		
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	

TABLE 3.12-2

SPRINKLER SYSTEMS

1. Unit One Cable Tunnel
2. Unit One HPCI Room
3. Unit One Diesel Oil Day Tank Room
4. Unit 1/2 Diesel Oil Day Tank Room
5. Cable Spreading Room

TABLE 3.12-3

CO₂ SYSTEMS

1. Unit One Diesel Generator Area
2. Unit 1/2 Diesel Generator Area
3. Unit One Diesel Oil Day Tank Room
4. Unit 1/2 Diesel Oil Day Tank Room



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 NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 57
License No. DPR-30

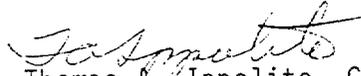
1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The applications for amendment by the Commonwealth Edison Company (the licensee) dated June 6, 1978 and January 8, 1979, comply with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the applications, 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:

3.B Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 57, 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


Thomas A. Ippolito, Chief
Operating Reactors Branch #2
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: March 16, 1981

ATTACHMENT TO LICENSE AMENDMENT NO. 57

FACILITY OPERATING LICENSE NO. DPR-30

DOCKET NO. 50-265

Revise the Appendix "A" Technical Specifications as follows:

Remove

Replace

3.12/4.12-5

3.12/4.12-5

3.12/4.12-7

3.12/4.12-7

3.12/4.12-8

3.12/4.12-8

Quad-Cities
DPR-30

2. With one or more penetration fire barriers not intact, establish a continuous fire watch on at least one side of the affected penetration within 1 hour if the area on either side of the affected penetration contains equipment required to be operable.

- a. At least once per operating cycle, and
- b. Prior to declaring a penetration fire barrier functional following repairs or maintenance.

G. Fire Pump Diesel Engine

1. The Fire Pump Diesel Engine shall be operable as specified in 3.12.B.1.a and 3.12.B.1.b.

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 - a. At least once per 7 days by verifying that:
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 - (2) The overall battery voltage is \geq 24 volts.
 - b. At least once per 92 days by verifying that the specific gravity is appropriate for continued service of battery.
 - c. At least once per 18 months by verifying that:
 - (1) The batteries, cell plates and battery racks show no visual indication of physical damage or abnormal deterioration, and
 - (2) The battery-to-battery and terminal connections are clean, tight, free of corrosion and coated with anti-corrosion material.
2. The fire pump diesel engine shall be demonstrated OPERABLE:
 - a. At least once per 31 days by verifying:
 - (1) The fuel storage day tank contains at least 150 gallons of fuel, and
 - (2) The diesel starts from ambient conditions and operates for at least 20 minutes.

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>
Unit 2 HPCI area: 7 heat detectors	5		
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	

TABLE 3.12-2

SPRINKLER SYSTEMS

1. Unit Two Cable Tunnel
2. Unit Two HPCI Room
3. Unit Two Diesel Oil Day Tank Room
4. Unit 1/2 Diesel Oil Day Tank Room
5. Cable Spreading Room

TABLE 3.12-3

CO₂ SYSTEMS

1. Unit Two Diesel Generator Area
2. Unit 1/2 Diesel Generator Area
3. Unit Two Diesel Oil Day Tank Room
4. Unit 1/2 Diesel Oil Day Tank Room



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
AMENDMENT NO. 63 TO FACILITY OPERATING LICENSE NO. DPR-29, AND
AMENDMENT NO. 57 TO FACILITY OPERATING LICENSE NO. DPR-30

COMMONWEALTH EDISON COMPANY
AND
IOWA-ILLINOIS GAS AND ELECTRIC COMPANY

QUAD CITIES NUCLEAR POWER STATION, UNIT NOS. 1 AND 2

DOCKET NOS. 50-254 AND 265

I. INTRODUCTION

By letter dated June 5, 1978 and January 8, 1979, Commonwealth Edison Company (CECo) requested that corrections be made to provisions in the Technical Specifications for fire protection at the Quad Cities Station Units 1 and 2. CECo requested also that certain tabulated information be updated to reflect newly added fire protection measures.

II. DISCUSSION AND EVALUATION

Heat and Smoke Detectors

The number and placement of heat detectors described in Table 3.12-1 has been corrected and updated. The correct tabulation provides for one heat detector in each of the Unit 1, Unit 2, and Unit 1/2 day tank areas, and two in the Unit 1/2 diesel generator room, with one required to be operable in each of the four areas. In addition, Table 3.12-1 is updated to include 18 smoke detectors that have been added in the cable spreading room, with 12 required to be operable. The provisions are consistent with the staff's position on fire protection at Quad Cities Station and are acceptable.

Cable Spreading Room Sprinklers

Table 3.12-2 has been updated to include a newly installed sprinkler system in the cable spreading room. This inclusion is consistent with the staff's position on fire protection at Quad Cities Station and is acceptable.

Diesel Day Tank

Section 4.12-G.2.a.(1) has been corrected to state the proper and intended level to be maintained in the fire pump diesel fuel storage day tank as 150 gallons. This amount allows ample operating time (13 hours) to replenish from other sources in the event of loss of the transfer pump between the

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15,000 gallon storage tank and the day tank. The specification is therefore corrected to show the required level to be maintained as 150 gallons. This specification is consistent with the staff position on fire protection at Quad Cities Station and is acceptable.

III. ENVIRONMENTAL CONSIDERATIONS

We have determined that the amendments do not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendments involve an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR §51.5(d)(4), that an environmental impact statement, or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of these amendments.

V. CONCLUSION

We have concluded, based on the considerations discussed above, that: (1) because the amendments do not involve a significant increase in the probability or consequences of accidents previously considered and do not involve a significant decrease in a safety margin, the amendments 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 these amendments will not be inimical to the common defense and security or to the health and safety of the public.

Date: March 16, 1981

UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NOS. 50-254 AND 50-265COMMONWEALTH EDISON COMPANYANDIOWA-ILLINOIS GAS AND ELECTRIC COMPANYNOTICE OF ISSUANCE OF AMENDMENTS TO
OPERATING LICENSES

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 63 to Facility Operating License No. DPR-29, and Amendment No. 57 to Facility Operating License No. DPR-30, issued to Commonwealth Edison Company and Iowa-Illinois Gas and Electric Company, which revised the Technical Specifications for operation of the Quad Cities Nuclear Power Station, Unit Nos. 1 and 2, located in Rock Island County, Illinois. The amendments are effective as of the date of issuance.

The amendments revise the Appendix A Technical Specifications to (1) properly list the number and placement of installed heat detectors and smoke detectors in Table 3.12-1, (2) record in Table 3.12-2 the presence of a sprinkler system in the cable spreading room, and (3) correct an erroneous statement of minimum level for a fuel storage tank.

The applications for the amendments comply 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 amendments. Prior public notice of these amendments was not required since the amendments do not involve a significant hazards consideration.

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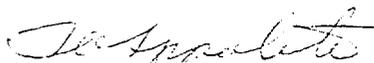
- 2 -

The Commission has determined that the issuance of these amendments will not result in any significant environmental impact and that pursuant to 10 CFR Section 51.5(d)(4) an environmental impact statement, or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of these amendments.

For further details with respect to this action, see (1) the applications for amendments dated June 6, 1978 and January 8, 1979, (2) Amendment No. 63 to License No. DPR-29 and Amendment No. 57 to License No. DPR-30, and (3) the Commission's related Safety Evaluation. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, NW., Washington, D. C., and at the Moline Public Library, 504-17th Street, Moline, Illinois. A copy of items (2) and (3) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Licensing.

Dated at Bethesda, Maryland, this 16th day of March 1981.

FOR THE NUCLEAR REGULATORY COMMISSION



Thomas A. Ippolito, Chief
Operating Reactors Branch #2
Division of Licensing