



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

April 20, 1981

*Posted*  
*Amdt. 61*  
*to DPR-30*

Docket Nos. 50-254  
50-265

LICENSE AUTHORITY FILE COPY

Mr. J. S. Abel  
Director of Nuclear Licensing  
Commonwealth Edison Company  
P. O. Box 767  
Chicago, Illinois 60690

DO NOT REMOVE

Dear Mr. Abel:

The Commission has issued the enclosed Amendment Nos. 67 and 61 to Facility Operating License Nos. DPR-29 and DPR-30 for Quad Cities Station Units 1 and 2, respectively. The amendments are in response to your request of September 27, 1977.

The amendments eliminate the requirement to reduce reactor power to below 50% of rated power when the main steam isolation valve closure time verification is performed.

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

Sincerely,

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

Enclosures:

1. Amendment No. 67 to Facility  
Operating License No. DPR-29
2. Amendment No. 61 to Facility  
Operating License No. DPR-30
3. Safety Evaluation
4. Notice

cc w/encls:  
See next page

Mr. J. S. Abel  
Commonwealth Edison Company

cc:

Mr. D. R. Stichnoth  
President  
Iowa-Illinois Gas and  
Electric Company  
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Quad Cities Nuclear Power Station  
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22712 206th Avenue N.  
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Moline Public Library  
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Moline, Illinois 61265

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Springfield, Illinois 62704

Mr. Marcel DeJaegher, Chairman  
Rock Island County Board  
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Rock Island County Court House  
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Director, Criteria and Standards  
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Federal Activities Branch  
Region V Office  
ATTN: EIS COORDINATOR  
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Susan N. Sekuler  
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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 STATION UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 67  
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 September 27, 1977 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 License No. DPR-29 is hereby amended to read as follows:

B. Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 67, 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: April 20, 1981

ATTACHMENT TO LICENSE AMENDMENT NO. 67

FACILITY OPERATING LICENSE NO. DPR-29

DOCKET NO. 50-254

Replace page 3.7/4.7-10 of the Appendix "A" Technical Specifications with the enclosed page.

QUAD-CITIES  
DPR-29

2. In the event any isolation valve specified in Table 3.7-1 becomes inoperable, reactor power operation may continue provided at least one valve in each line having an inoperable valve is in the mode corresponding to the isolated condition.
3. If Specifications 3.7.D.1 and 3.7.D.2 cannot be met, an orderly shutdown shall be initiated and the reactor shall be in the cold shutdown condition within 24 hours.
4. The temperature of the main steamline air pilot valves shall be less than 170° F except as specified in Specifications 3.7.D.5 and 3.7.D.6 below.
5. From and after the date that the temperature of any main steamline air pilot valve is found to be greater than 170° F, reactor operation is permissible only during the succeeding 7 days unless the temperature of such valve is sooner reduced to less than 170° F, provided the main steamline isolation valves are operable.
6. If Specification 3.7.D.5 cannot be met, the main steamline isolation valve shall be considered inoperable and action taken in accordance with Specification 3.7.D.2.

reopened.

2)

The main steamline isolation valves (one at a time) shall be verified for closure time.

- d. At least twice per week the main steamline power-operated isolation valves shall be exercised by partial closure and subsequent reopening.
2. When an isolation valve listed in Table 3.7-1 is inoperable, the position of at least one other valve in each line having an inoperable valve shall be recorded daily.



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 NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 61  
License No. DPR-30

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by the Commonwealth Edison Company (the licensee) dated September 27, 1977 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 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. 61, 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: April 20, 1981

ATTACHMENT TO LICENSE AMENDMENT NO. 61  
FACILITY OPERATING LICENSE NO. DPR-30  
DOCKET NO. 50-265

Replace page 3.7/4.7-10 of the Appendix "A" Technical Specifications with the enclosed page.

QUAD-CITIES  
DPR-30

- reopened.
- 2) The main steamline isolation valves (one at a time) shall be verified for closure time.
- d. At least twice per week the main steamline power-operated isolation valves shall be exercised by partial closure and subsequent reopening.
2. In the event any isolation valve specified in Table 3.7-1 becomes inoperable, reactor power operation may continue provided at least one valve in each line having an inoperable valve is in the mode corresponding to the isolated condition.
  3. If Specifications 3.7.D.1 and 3.7.D.2 cannot be met, an orderly shutdown shall be initiated and the reactor shall be in the cold shutdown condition within 24 hours.
  4. The temperature of the main steamline air pilot valves shall be less than 170° F except as specified in Specifications 3.7.D.5 and 3.7.D.6 below.
  5. From and after the date that the temperature of any main steamline air pilot valve is found to be greater than 170° F, reactor operation is permissible only during the succeeding 7 days unless the temperature of such valve is sooner reduced to less than 170° F, provided the main steamline isolation valves are operable.
  6. If Specification 3.7.D.5 cannot be met, the main steamline isolation valve shall be considered inoperable and action taken in accordance with Specification 3.7.D.2.
2. When an isolation valve listed in Table 3.7-1 is inoperable, the position of at least one other valve in each line having an inoperable valve shall be recorded daily.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
SUPPORTING AMENDMENT NO. 67 TO FACILITY OPERATING LICENSE NO. DPR-29

AND

AMENDMENT NO. 61 TO FACILITY OPERATING LICENSE NO. DPR-30

COMMONWEALTH EDISON COMPANY

QUAD CITIES STATION, UNIT NOS. 1 AND 2

DOCKET NOS. 50-254 AND 50-265

Introduction

By letter dated September 27, 1977, Commonwealth Edison Company (licensee) proposed a change to the Appendix A Technical Specification for Quad Cities Units 1 and 2 regarding the testing of main steam isolation valve (MSIV) closure time. The proposed change would eliminate the requirement that reactor power be reduced to below 50% of rated power in order to perform the MSIV closure time test.

Discussion and Evaluation

The current Technical Specifications require that the MSIV's shall be tested quarterly to verify closure times for each valve. At present it is required that power be reduced to below 50% of rated power to perform the test. The purpose of the power restriction is to ensure that the test not be performed at high power levels, which could result in a Group I containment isolation. Closure of one MSIV would cause increased steam flow in the remaining open line. If the isolation trip point is set at 120% flow (as was the case until recently), experience showed that closure of one MSIV could occur at 70% of rated power without tripping the high flow switch. At full rated power, closure of one MSIV would require that the three open lines carry 133% full flow. Recently the Technical Specifications were amended to set the isolation trip point at 140% flow, so that at full power, closure of any one MSIV would not cause a Group I isolation from high steam flow.

The 50% power restriction in no way relates to the objective of the test of MSIV closure time and has no technical basis. The only reason for the power limit during the test is to prevent the tripping of the high steam flow containment isolation switch. The proposed removal of the restriction is therefore acceptable.

### Environmental Considerations

We have determined that these 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 these amendments involve an action which is insignificant from the standpoint of environmental impact, and pursuant to 10 CFR Section 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.

### 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.

Dated: April 20, 1981

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

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment Nos. 67 and 61 to Facility Operating License No. DPR-29 and 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 become effective as of the date of issuance.

The amendments revise the Technical Specifications to eliminate the requirement to reduce reactor power to below 50% rated when the main steam isolation valve closure time verification is performed.

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

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, negative declaration and environmental impact appraisal need not be prepared in connection with issuance of these amendments.

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For further details with respect to this action, see (1) the application for amendments dated September 27, 1977, (2) Amendment No. 67 to License No. DPR-29, and Amendment No. 61 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 20th day of April 1981.

FOR THE NUCLEAR REGULATORY COMMISSION

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