

MEMO ROUTE SLIP		See me about this.	For con. lce.	For action.
Form 40-93 (Rev. May 14, 1947) AEC Form 0240		Note and return.	For signature.	For information.
TO (Name and unit) OIC CO F. Schroeder	INITIALS	problems w/ construction finding.		
	DATE			
TO (Name and unit) P. A. Mod... R. Diggs	INITIALS	of checking on CO problems, J.P. notice and others. Pam said not a specific nursing problem		
	DATE			
TO (Name and unit)	INITIALS			
	DATE			
FROM (Name and unit) DRL R Diggs	REMARKS	20% increases for Qual-Cities Waits 142		
	REMARKS			
PHONE NO. 7403	DATE 3/31/72			

USE OTHER SIDE FOR ADDITIONAL REMARKS

GPO : 1971 O - 445-469

MAR 31 1972

Docket Nos. 50-254
and 50-265

Commonwealth Edison Company
ATTN: Mr. Byron Lee, Jr.
Assistant to the President
P. O. Box 767
Chicago, Illinois 60690

Gentlemen:

In response to your applications, as amended, enclosed are Amendment No. 2 to Facility Operating License No. DPR-29 and Facility Operating License No. DPR-30. These actions authorize you to operate the Quad-Cities Nuclear Power Station Units 1 and 2 each at power levels up to 502 megawatts (thermal), 20% of rated power per Unit. The litigation brought by the Attorney General of Illinois and the Izaak Walton League, et al, in the United States District Court for the District of Columbia which resulted in an order enjoining the Commission from issuing any partial operating licenses has been dismissed.

In connection with the subject actions, a copy of Supplement No. 1 (dated March 31, 1972) to the January 24, 1972 Discussions and Conclusions pursuant to Appendix D of 10 CFR Part 50 supporting the issuance of licenses for 20 percent operation of Quad-Cities Units 1 and 2 is also enclosed. A copy of a related notice that has been filed with the Office of the Federal Register for publication also is enclosed.

We are considering your February 29, 1972 request for extension of Facility Operating License No. DPR-29 moot in view of the issuance of Amendment No. 2 which extends the license to June 1, 1972. Any additional extension of time should be requested pursuant to Part 50 and paragraph 6 of the license.

MAR 31 1972

Three originals of Amendment No. 6 to Indemnity Agreement No. B-47 are enclosed for signatures by Commonwealth Edison Company and the Iowa-Illinois Gas and Electric Company. Please return one signed copy to this office.

Sincerely,

151

Peter A. Morris, Director
Division of Reactor Licensing

Enclosures:

- 1. Amendment No. 2 to License No. DPR-29
- 2. Facility Operating License No. DPR-30
- 3. Supplement No. 1 to Discussions & Conclusions
- 4. Federal Register Notice
- 5. Amendment No. 6 to Indemnity Agreement B-47

Distribution

- WDooly, DR
- REngelken, CO (2)
- HShapar, OGC
- NDube, DRL (5)
- JRBuchanan, ORNL
- TWLaughlin, DTIE
- PDR
- Local PDR
- Docket File
- DR Reading
- DRL Reading HIMueller,
- Branch Reading GMR/H
- ACRS (16) RLeith, OC
- MRowden, OGC JSaltzman,
- MKarman, OGC SLR
- CRoberts, EPA FLIngram, OIS
- DJSkovholt, DRL
- TJCarter, DRL
- DLZiemann, DRL
- JIRiesland, DRL
- RMDiggs, DRL
- RBoyd, DRL
- RDeYoung, DRL

cc w/enclosures 1 through 4.

John W. Rowe, Esquire
Isham, Lincoln & Beale
Counselors at Law

Mr. Charles Whitmore
President and Chairman
Iowa-Illinois Gas and
Electric Company

206 East Second Avenue
Davenport, Iowa 52801

Applicants, Rowe & Whitmore's, by mailed 4/4/72
and Moline Public Library (4/12/72)
Discussions & Conclusions
RD

OFFICE ▶	DRL <i>ind 3/31</i>	DRL <i>SW 3/31</i>	OGC <i>CP</i>	DRL <i>DR</i>	DRL <i>DR</i>	DRL	DRL
SURNAME ▶	RMDiggs:sjh JIRiesland	DLZiemann	<i>DR</i>	DJSkovholt	FSchroeder	<i>m</i>	PAMorris
DATE ▶	4/3/72	4/3	3/31/72	3/31/72			3/31



UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

MAR 31 1972

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and 50-265

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MAR 31 1972

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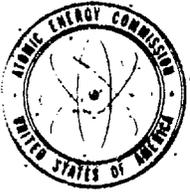
Peter A. Morris, Director
Division of Reactor Licensing

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cc w/enclosures 1 through 4:
John W. Rowe, Esquire
Isham, Lincoln & Beale
Counselors at Law

Mr. Charles Whitmore
President and Chairman
Iowa-Illinois Gas and
Electric Company



UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

COMMONWEALTH EDISON COMPANY

AND

IOWA-ILLINOIS GAS AND ELECTRIC COMPANY

DOCKET NO. 50-254

AMENDMENT TO FACILITY OPERATING LICENSE

License No. DPR-29
Amendment No. 2

The Atomic Energy Commission (the Commission) having found that:

- a. the application, as amended, complies with the requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's regulations set forth in 10 CFR Chapter I;
- b. there is reasonable assurance (i) that the activities authorized by this operating license, as amended, for operation at power levels not to exceed 502 megawatts (thermal) can be conducted without endangering the health and safety of the public and (ii) that such activities will be conducted in compliance with the rules and regulations of the Commission;
- c. the issuance of this amendment for operation at power levels not to exceed 502 megawatts (thermal) will not be inimical to the common defense and security or to the health and safety of the public;
- d. considering and balancing the factors as prescribed in the Commission's regulations in 10 CFR Part 50, Appendix D, Section D.3., the balance of such factors warrants the issuance of this license amendment.

Facility Operating License No. DPR-29, as amended, issued to Commonwealth Edison Company (Commonwealth Edison) and Iowa-Illinois Gas and Electric Company (Iowa-Illinois) is hereby further amended as indicated below:

1. Paragraph 3.A is revised in its entirety to read:

3.A. Maximum Power Level

Commonwealth Edison is authorized to operate Quad-Cities Unit No. 1 at power levels not in excess of 502 megawatts (thermal), 20% of the rated power level of Unit No. 1.

2. Change the second sentence of paragraph 3.B to read:

3.B. . . . Commonwealth Edison shall operate the Unit No. 1 at power levels not in excess of 502 megawatts (thermal) in accordance with the Technical Specifications dated October 1, 1971. Commonwealth Edison may make changes in the Technical Specifications only when authorized by the Commission in accordance with the provisions of Section 50.59 of 10 CFR Part 50.

3. Add the following as a new paragraph 3.C and renumber the existing paragraphs 3.C and 3.D as 3.D and 3.E, respectively:

3.C. Chemical Releases

Chlorination of the main condenser tubes shall not exceed a period of one hour three times a day. Residual chlorine concentration at the discharge canal weir overflow shall not exceed 0.5 ppm.

4. Paragraph 6 is revised in its entirety to read:

6. This license, as amended, is effective as of the date of issuance and shall expire at midnight, June 1, 1972, unless extended for good cause shown or upon the earlier issuance of a superseding licensing action.

FOR THE ATOMIC ENERGY COMMISSION



Peter A. Morris, Director
Division of Reactor Licensing

Date of Issuance: March 31, 1972

operate Unit No. 2 at power levels not in excess of 502 megawatts (thermal) in accordance with the Technical Specifications. Commonwealth Edison may make changes in the Technical Specifications only when authorized by the Commission in accordance with the provisions of Section 50.59 of 10 CFR Part 50.

C. Chemical Releases

Residual chlorine concentration in the discharge canal shall not be permitted to exceed 0.5 ppm for the one hour period of chlorination three times a week.

D. Reports

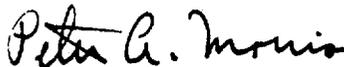
Commonwealth Edison shall make certain reports in accordance with the requirements of the Technical Specifications.

E. Records

Commonwealth Edison shall keep facility operating records in accordance with the requirements of the Technical Specifications.

4. Commonwealth Edison shall observe such standards and requirements for the protection of the environment as are validly imposed pursuant to authority established under Federal and State law and as are determined by the Commission to be applicable to the facility covered by this operating license. This condition does not apply to radiological effects, since such effects are dealt with in other provisions of this operating license.
5. This license is issued without prejudice to subsequent licensing action which may be taken by the Commission with regard to the environmental aspects of the facility.
6. This license is effective as of the date of issuance, and shall expire at midnight, June 1, 1972, unless extended for good cause shown or upon the earlier issuance of a superseding licensing action.

FOR THE ATOMIC ENERGY COMMISSION



Peter A. Morris, Director
Division of Reactor Licensing

Enclosure:

Appendix A - Technical Specifications
issued 10/1/71 for License No. DPR-29

Date of Issuance: March 31, 1972



UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

COMMONWEALTH EDISON COMPANY

AND

IOWA-ILLINOIS GAS AND ELECTRIC COMPANY

FACILITY OPERATING LICENSE

License No. DPR-30

The Atomic Energy Commission (the Commission) having found that:

- a. Commonwealth Edison Company and Iowa-Illinois Gas and Electric Company (the applicants) have submitted to the Commission all technical information required by Provisional Construction Permit No. DPPR-24, the Atomic Energy Act of 1954, as amended (the Act), and the rules and regulations of the Commission to complete the application for a construction permit and facility license, dated May 31, 1966, and amended by Amendment Nos. 7 through 28, dated August 30, 1968, March 31, 1969, April 3, 1970, June 16, 1970, September 4, 1970, November 6, 1970, November 16, 1970, February 8, 1971, March 1, 1971, March 2, 1971, March 31, 1971, May 11, 1971, May 20, 1971, June 1, 1971, June 14, 1971, July 19, 1971 and July 26, 1971. Certain supplementary information was provided by the applicant's letters dated July 16, 1971, July 22, 1971, July 26, 1971, September 7, 1971, October 12, 1971, October 28, 1971, and November 10, 1971, and the applicants' telegrams, dated September 14, 1971, and September 15, 1971;
- b. Construction of the Quad-Cities Nuclear Power Station, Unit 2 (the facility) has been substantially completed in conformity with Provisional Construction Permit No. CPPR-24, the application, as amended, the provisions of the Act and the rules and regulations of the Commission;
- c. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the rules and regulations of the Commission;
- d. There is reasonable assurance (1) that the facility can be operated at power levels not in excess of 502 megawatts (thermal) in

accordance with this license without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the rules and regulations of the Commission;

- e. The applicants are technically and financially qualified to engage in the activities authorized by this operating license, in accordance with the rules and regulations of the Commission;
- f. The applicable provisions of 10 CFR Part 140 have been satisfied;
- g. The issuance of this license will not be inimical to the common defense and security or to the health and safety of the public; and
- h. Considering and balancing the factors as prescribed in the Commission's regulations in 10 CFR Part 50, Appendix D, Section D.3., the balance of such factors warrants the issuance of this license.

Facility Operating License No. DPR-30 is hereby issued to Commonwealth Edison Company (Commonwealth Edison) and Iowa-Illinois Gas and Electric Company (Iowa-Illinois) as follows:

- 1. This license applies to the Quad-Cities Nuclear Power Station Unit 2, a single cycle, boiling, light water reactor, and electric generating equipment (the facility). The facility is located at the Quad-Cities Nuclear Power Station in Rock Island County, Illinois, and is described in the application for construction permit and facility license, as amended.
- 2. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses Commonwealth Edison and Iowa-Illinois, pursuant to Section 104b of the Act and 10 CFR Part 50, "Licensing of Production and Utilization Facilities," to own the facility, as their interests appear in the application, and hereby licenses Commonwealth Edison, acting for itself and as agent for Iowa-Illinois:
 - A. Pursuant to Section 104b of the Act and 10 CFR Part 50, "Licensing of Production and Utilization Facilities," to possess, use, and operate the facility as a utilization facility at the designated location at the Quad-Cities Nuclear Power Station;

- B. Pursuant to the Act and 10 CFR Part 70, "Special Nuclear Material," to receive, possess and use at any one time up to 3000 kilograms of contained uranium 235 in connection with operation of Unit 2 of the facility;
 - C. Pursuant to the Act and 10 CFR Part 30, "Rules of General Applicability to Licensing of Byproduct Material," to receive, possess, and use in connection with operation of the facility any byproduct material with Atomic Numbers between 3 and 83, inclusive, as external contamination on fuel bundles, in any form not to exceed 500 millicuries per fuel bundle; three sealed sources of five curies each of cesium 137; three sealed sources of five microcuries each of cesium 137; ten sealed sources of strontium 90, each source not to exceed 0.3 millicurie; 1 millicurie each of cobalt 60 and cesium 137 in any form; six curies of americium 241 as a sealed source; fourteen sealed sources of 1530 curies each of antimony 124; twenty-five sealed sources of strontium 90, with no source to exceed 1.2 microcuries; and two sealed sources of 350 microcuries each of cobalt 60.
 - D. Pursuant to the Act and 10 CFR Part 30, to possess, but not to separate, such byproduct material as may be produced by operation of the facility.
3. This license shall be deemed to contain and is subject to the conditions specified in the following Commission regulations; 10 CFR Part 20, Section 30.34 of 10 CFR Part 30, Section 40.41 of 10 CFR Part 40, Sections 50.54 and 50.59 of 10 CFR Part 50, and Section 70.32 of 10 CFR Part 70; and is subject to all applicable provisions of the Act and to the rules, regulations and orders of the Commission now or hereafter in effect; and is subject to the additional conditions specified below:

3.A. Maximum Power Level

Commonwealth Edison is authorized to operate Quad-Cities Unit No. 2 at power levels not in excess of 502 megawatts (thermal), 20% of the rated power level of Unit No. 2.

3.B. Technical Specifications

The Technical Specifications contained in Appendix A to License No. DPR-29 issued October 1, 1971, are hereby incorporated in this license. Commonwealth Edison shall