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- E. B. Tremmel, IP

Docket No. 50-249

NOV 18 1970

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

Gentlemen:

With my letter to you dated September 24, 1970, you were sent a copy of a report from the Advisory Committee on Reactor Safeguards concerning the Committee's review of your application for a license to operate the Dresden Nuclear Power Station Unit 3.

The Atomic Energy Commission has forwarded to the Office of the Federal Register for filing and publication a notice relating to the proposed issuance of a facility operating license to Commonwealth Edison Company for operation of the Dresden Nuclear Power Station Unit 3 at steady state power levels not to exceed 2527 megawatts (thermal). A copy of the notice is enclosed, together with copies of the proposed license and a related safety evaluation prepared by the Division of Reactor Licensing.

Sincerely yours,

ORIGINAL SIGNED BY  
 Peter A. Morris

Peter A. Morris, Director  
 Division of Reactor Licensing

Enclosures:

1. Fed. Reg. Notice
2. Proposed License
3. DRL Safety Evaluation

- bcc (cont'd): R. Leith, OC  
 J. A. Harris, PI  
 J. R. Buchanan, ORNL  
 T. W. Laughlin, DTIE  
 A. A. Wells, ASLB  
 S. Robinson, SECY  
 J. Saltzman, SLR  
 J. Verme, SMM  
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cc: Arthur C. Gehr, Esquire  
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 Counselors at Law  
 72 West Adams Street  
 Chicago, Illinois 60690

mailed 11-20-70

**AIR MAIL**

OFFICE ▶	DRL:BWR-2	DRL/BWR-2	OGC	DRL:BWR	DRL
SURNAME ▶	HSteele:hs	RLTedesco	lw	RSBoyd	PAMorris
DATE ▶	10/21/70	10/18/70	10/18/70	10/18/70	10/18/70

UNITED STATES ATOMIC ENERGY COMMISSION

DOCKET NO. 50-249

COMMONWEALTH EDISON COMPANY

NOTICE OF PROPOSED ISSUANCE OF FACILITY OPERATING LICENSE

The Atomic Energy Commission (the Commission) is considering the issuance of a facility operating license to Commonwealth Edison Company (Commonwealth Edison) which would authorize the licensee to possess, use, and operate the Dresden Nuclear Power Station Unit 3 (Dresden 3), a single cycle, boiling, light water reactor, on Commonwealth Edison's site in Grundy County, Illinois, at steady state power levels not to exceed 2527 megawatts (thermal), in accordance with the provisions of the license and the Technical Specifications appended thereto. Construction of Dresden 3 was authorized by Provisional Construction Permit No. CPPR-22 issued by the Commission on October 14, 1966.

The Commission has found that the application for the facility license (as amended) complies with the requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's regulations published in 10 CFR, Chapter 1. Appropriate reviews of the application by the Commission and the Advisory Committee on Reactor Safeguards (ACRS) have been completed. In its report to the Chairman dated July 17, 1970, the ACRS stated its belief that Dresden 3 can be operated at power levels up to 2527 megawatts (thermal) without undue risk to the health and safety of the public provided certain actions were taken.

Prior to issuance of the operating license, the facility will be inspected by the Commission to determine whether it has been constructed in accordance with the application, as amended, and the provisions of Provisional Construction Permit No. CPPR-22. The license will be issued after the Commission makes the findings,

reflecting its review of the application, which are set forth in the proposed license, and concludes that the issuance of this license will not be inimical to the common defense and security or to the health and safety of the public. Upon issuance of the license, Commonwealth Edison will be required to execute an indemnity agreement as required by Section 170 of the Act and 10 CFR Part 140 of the Commission's regulations.

In the event that construction has not been completed to permit full power operation, the Commission may issue a facility operating license consistent with the level of construction completed to permit initial fuel loading and low power testing prior to the issuance of the full power license.

Within thirty (30) days from the date of publication of this notice in the FEDERAL REGISTER, Commonwealth Edison may file a request for a hearing and any person whose interest may be affected by this proceeding may file a petition for leave to intervene. Requests for a hearing and petitions to intervene shall be filed in accordance with the Commission's rules of practice in 10 CFR Part 2. If a request for a hearing or petition for leave to intervene is filed within the time prescribed in this notice, the Commission will issue a notice of hearing or appropriate order.

Prior to issuance of the facility operating license, the Commission will issue a detailed environmental statement for the Dresden Unit 3 facility. The availability of the statement will be published in the FEDERAL REGISTER. The statement will be prepared consistent with Appendix D of 10 CFR Part 50 of the Commission's regulations.

For further details with respect to this proposed facility operating license, see (1) the Commonwealth Edison application for a facility license dated November 17, 1967, as amended (Amendment Nos. 8 through 24), (2) the report of the Advisory Committee on Reactor Safeguards on the application for Dresden 3, dated July 17, 1970, (3) the proposed facility operating license, (4) the Technical Specifications attached as Appendix A to the proposed facility operating license, and (5) a related safety evaluation prepared by the Division of Reactor Licensing, all of which will be available for public inspection at the Commission's Public Document Room, 1717 H Street, N. W., Washington, D. C. Copies of items (3) and (5) may be obtained upon request addressed to the Atomic Energy Commission, Washington, D. C. 20545, Attention: Director, Division of Reactor Licensing.

Dated at Bethesda, Maryland, this 18<sup>th</sup> day of November, 1970.

FOR THE ATOMIC ENERGY COMMISSION

ORIGINAL SIGNED BY

Peter A. Morris

Peter A. Morris, Director  
Division of Reactor Licensing



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

COMMONWEALTH EDISON COMPANY

DOCKET NO. 50-249

PROPOSED FACILITY OPERATING LICENSE

License No. DPR-

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

- a. Commonwealth Edison Company (the applicant) has submitted to the Commission all technical information required by Provisional Construction Permit No. CPPR-22, 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 February 10, 1966, as supplemented by application for a facility license dated November 17, 1967 and amended by Amendment Nos. 8 through 24, dated August 30, 1968, November 21, 1968, February 28, 1969, March 18, 1969, April 16, 1969, May 20, 1969, July 2, 1969, July 22, 1969, August 5, 1969, August 8, 1969, August 18, 1969, August 18, 1969, September 2, 1969, October 16, 1969, May 7, 1969, August 11, 1970 and September 4, 1970, respectively, (the application);
- b. The Dresden Nuclear Power Station Unit 3 (the facility) has been substantially completed in conformity with Provisional Construction Permit No. CPPR-22, the application, the provisions of the Act and the rules and regulations of the Commission;
- c. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;

- d. There is reasonable assurance (i) that the facility can be operated at steady state power levels not in excess of 2527 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 applicant is 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 applicant has furnished proof of financial protection to satisfy the requirements of 10 CFR Part 140;
- 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;

Facility Operating License No. DPR-      is hereby issued to Commonwealth Edison Company (Commonwealth Edison), as follows:

1. This license applies to the Dresden Nuclear Power Station Unit 3, a single cycle, boiling, light water reactor, and electric generating equipment (the facility). The facility is located at the Dresden Nuclear Power Station in Grundy County, Illinois, and is described in the "Safety Analysis Report," as supplemented and amended (Amendment Nos. 8 through 24).
2. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses Commonwealth Edison:

- 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 Dresden 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 5,000 kilograms of contained uranium 235 in connection with operation 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 17,500 curies Antimony 122-124 as fourteen sealed sources not to exceed 1,250 curies each; and six curies Americium 241 as a sealed source; and
  - D. Pursuant to the Act and 10 CFR Parts 30 and 70, to possess, but not to separate, such byproduct and special nuclear materials 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:

A. Maximum Power Level

Commonwealth Edison is authorized to operate the facility at steady state power levels not in excess of 2527 megawatts (thermal).

B. Technical Specifications

The Technical Specifications contained in Appendix A attached hereto are hereby incorporated in this license. Commonwealth Edison shall operate the facility at steady state power levels not in excess of 2527 megawatts (thermal) in accordance with the Technical Specifications, and may make changes therein only when authorized by the Commission in accordance with the provisions of Section 50.59 of 10 CFR Part 50.

C. Reports

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

D. 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 (a) radiological effects since such effects are dealt with in other provisions



of this operating license or (b) matters of water quality covered by section 21(b) of the Federal Water Pollution Control Act.

5. This license is effective as of the date of issuance, and shall expire at midnight October 14, 2006.

FOR THE ATOMIC ENERGY COMMISSION

Peter A. Morris, Director  
Division of Reactor Licensing

Enclosure:  
Appendix A - Technical Specifications

Date of Issuance: