

Docket No. 50-249

JAN 12 1971

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

Gentlemen:

Pursuant to Commission orders dated January 8, 1971 and January 11, 1971, the Atomic Energy Commission has issued the enclosed Facility Operating License No. DPR-25 to Commonwealth Edison Company authorizing initial fuel loading and low-power startup testing of the Dresden Nuclear Power Station Unit 3 at power levels not to exceed one megawatt thermal, and without the reactor vessel head in place. Copies of the Commission's orders and a related notice which has been forwarded to the Office of the Federal Register for filing and publication are also enclosed.

Two signed copies of Amendment No. 14 to Indemnity Agreement No. B-10, which covers the activities authorized under this license, are enclosed for your review and acceptance. Please sign and return one copy of the amendment to this office.

Sincerely yours,

Original Signed by  
Peter A. Morris

Peter A. Morris, Director  
Division of Reactor Licensing

Enclosures:

1. License No. DPR-25, w/T.S.
2. Commission Orders
3. Fed. Reg. Notice
4. Amend. 14 to I.A. No. B-10

cc: Arthur C. Cehr, Esquire  
Isham, Lincoln & Beale  
Counselors at Law

- bcc: \*H. J. McAlduff, ORO  
E. E. Hall, GMR  
E. B. Tremmel, IP J. Saltzman, SLR  
R. Leith, OC J. Verme, SMM  
J. A. Harris, PI D. Nussbaumer, DML  
\*J. R. Buchanan, ORNL  
\*T. W. Laughlin, DTIE  
\*A. A. Wells, ASLB  
S. Robinson, SECY

**AIR MAIL**

*copy sent to PDR,  
DIRECT-1-12-70*

OFFICE ▶	DRL: BWR-2	DRL: BWR-2	OGC <i>mean</i>	DRL: BWR <i>Boyd</i>	DRL <i>m</i>	
SURNAME ▶	HSteele:hs	RLTedesco			PAMorris	
DATE ▶	1/11/71	1/12/71	1/12/71	1/12/71	1/12/71	



UNITED STATES  
ATOMIC ENERGY COMMISSION

WASHINGTON, D.C. 20545

COMMONWEALTH EDISON COMPANY

DOCKET NO. 50-249

FACILITY OPERATING LICENSE

License No. DPR-25

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, 1970, August 11, 1970 and September 4, 1970, respectively, (the application); and supplemented by the applicant's letter dated December 17, 1970, and telegram dated December 18, 1970;
- 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 power levels not in excess of one megawatt (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-25 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 load fuel and operate the facility at power levels not in excess of one megawatt (thermal), provided that the reactor vessel head is not installed on the reactor vessel.

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 power levels not in excess of one megawatt (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 radiological effects which are dealt with in other provisions of this operating license nor to matters of water quality covered by Section 21(b) of the Federal Water Pollution Control Act.
5. Commonwealth Edison shall comply with all applicable requirements of Section 21(b) of the Federal Water Pollution Control Act.

6. 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*

Peter A. Morris, Director  
Division of Reactor Licensing

Enclosure:  
Appendix A - Technical Specifications

Date of Issuance: JAN 12 1971

ATOMIC ENERGY COMMISSION

DOCKET NO. 50-249

COMMONWEALTH EDISON COMPANY

NOTICE OF ISSUANCE OF FACILITY OPERATING LICENSE

Notice is hereby given that, pursuant to Orders of the Atomic Energy Commission (the Commission), dated January 8, 1971 and January 11, 1971, the Commission has issued Facility Operating License No. DPR-25 to Commonwealth Edison Company (the licensee) to permit fuel loading and low-power startup testing of the Dresden Nuclear Power Station Unit 3, a single cycle, forced circulation, boiling, light water nuclear reactor. The facility is located on the licensee's site in Grundy County, Illinois. The reactor is designed for operation at approximately 2527 megawatts (thermal), but operation, in accordance with the provisions of Facility Operating License No. DPR-25 and its Technical Specifications, is restricted to one megawatt (thermal), and without the reactor vessel head in place.

A notice of proposed issuance of the facility operating license was published in the FEDERAL REGISTER on November 20, 1970, 35 F.R. 17876. On December 18, 1970, a timely joint petition to intervene and a request for public hearing on the proposed Commission action was filed. On December 24, 1970, the applicant and petitioners filed a stipulation to a motion of the applicant (clarified by telegrams of December 30, 1970) which would allow fuel loading and low-power testing. In its answer of January 5, 1971 to the motion, the staff interposed no objection. The Commission has granted the motion and authorized the Director of Regulation to take appropriate action.

The Commission's regulatory staff has inspected the facility and has determined that, for fuel loading and low-power startup testing at power levels up

to one megawatt (thermal), and without the reactor vessel head in place, the facility has been constructed in accordance with the application, as amended, the provisions of Provisional Construction Permit No. CPPR-22, the Atomic Energy Act, and the Commission's regulations. The licensee has submitted proof of financial protection in satisfaction of the requirements of 10 CFR Part 140.

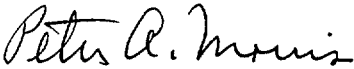
The Director of Regulation has made the findings set forth in the license, and has concluded that the issuance of the license will not be inimical to the common defense and security or to the health and safety of the public.

The license was issued as proposed except for (1) the revision of paragraph a. of the findings to reflect the applicant's letter and telegram dated December 17, 1970 and December 18, 1970, respectively, (2) the revision of paragraph d. of the findings and subparagraphs 3.A. and 3.B. to permit operation at one megawatt (thermal), and without the reactor vessel head in place, and (3) revision of paragraph 4. and addition of new paragraph 5. to reflect language consistent with Appendix D of 10 CFR Part 50 of the Commission's regulations.

For further information concerning this license, see copies of (1) the Commission's orders dated January 8, 1971 and January 11, 1971, (2) Facility Operating License No. DPR-25, complete with Technical Specifications, (3) the Division of Reactor Licensing's safety evaluation dated November 18, 1970, and (4) Commonwealth Edison Company's letter and telegram, dated December 17, 1970 and December 18, 1970, respectively, all of which are available for public inspection in the Commission's Public Document Room, 1717 H Street, N.W., Washington, D. C. Copies of the license and safety evaluation 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 12<sup>th</sup> day of January, 1971.

FOR THE ATOMIC ENERGY COMMISSION

  
Peter A. Morris, Director  
Division of Reactor Licensing