

Docket No. 50-237

JAN 10 1966

Commonwealth Edison Company
72 West Adams Street
Chicago, Illinois 60690

Attention: Mr. Murray Joslin
Vice President

Gentlemen:

Enclosed is Provisional Construction Permit No. CPPR-18 which has been issued to Commonwealth Edison Company for the construction of the Dresden Nuclear Power Station Unit 2 at its site in Grundy County, Illinois. The construction permit has been issued pursuant to the Initial Decision of the Atomic Safety and Licensing Board, dated December 29, 1965.

Also enclosed is a copy of a related notice which has been transmitted to the Office of the Federal Register for publication.

Sincerely yours,

Original Signed By
R.L. Doan

R. L. Doan, Director
Division of Reactor Licensing

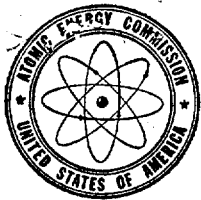
Enclosures:
As stated above

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

COMMONWEALTH EDISON COMPANY

DOCKET NO. 50-237

PROVISIONAL CONSTRUCTION PERMIT

Construction Permit No. CPPR-18

1. Pursuant to Section 104b of the Atomic Energy Act of 1954, as amended (the Act), and Title 10, Chapter 1, Code of Federal Regulations, Part 50, Licensing of Production and Utilization Facilities, and pursuant to the order of the Atomic Safety and Licensing Board, the Atomic Energy Commission (the Commission) hereby issues a provisional construction permit to Commonwealth Edison Company (the applicant) for a utilization facility (the facility), described in the application and amendments thereto filed in this matter by the applicant and as more fully described in the evidence received at the public hearing upon that application. The utilization facility, known as Dresden Unit 2, is a single cycle, boiling, light water reactor which is part of a facility designed to operate at 2255 megawatts (thermal) to be located at the Dresden Nuclear Power Station, Grundy County, Illinois.
2. This permit shall be deemed to contain and is subject to the conditions specified in Sections 50.54 and 50.55 of said regulations; is subject to all applicable provisions of the Act, and rules, regulations and orders of the Commission now or hereafter in effect; and is subject to the conditions specified or incorporated below:
 - A. The earliest date for the completion of the facility is August 1, 1968, and the latest date for completion of the facility is June 1, 1969.
 - B. The facility shall be constructed and located at the site as described in the application, as amended, at the Dresden Nuclear Power Station, Grundy County, Illinois.
 - C. This construction permit authorizes the applicant to construct the facility described in the application and the hearing record in accordance with the principal architectural and engineering criteria set forth therein.
3. This permit is provisional to the extent that a license authorizing operation of the facility will not be issued by the Commission unless: (A) the applicant submits to the Commission, by amendment to the application, the complete final hazards summary report, portions of which may be submitted and evaluated from time to time; (B) the Commission finds that the final design provides reasonable assurance that the health and safety of the public will not be endangered by the operation of the facility in accordance with procedures approved by it in connection with the issuance of said license; and (C) the

applicant submits proof of financial protection and the execution of an indemnity agreement as required by Section 170 of the Act.

4. Pursuant to Section 50.60 of the regulations in Title 10, Chapter 1, CFR, Part 50, the Commission has allocated to the applicant for use in the operation of the reactor 8,992.2 kilograms of uranium 235 contained in uranium in the isotopic ratios specified in the application. Estimated schedules of special nuclear material transfers to the applicant and returns to the Commission are contained in Appendix A which is attached hereto. Transfers by the Commission to the applicant in accordance with Column 2 in Appendix A will be conditioned upon the applicant's return to the Commission of material substantially in accordance with Column 3 (including the sub-columns headed Scrap and Depleted Fuel) of Appendix A.

FOR THE ATOMIC ENERGY COMMISSION

Original Signed By
R.L. Doan

R. L. Doan, Director
Division of Reactor Licensing

Attachment:
Appendix A

Date of Issuance: JAN 10 1966

2100-7

APPENDIX A

Schedule of Transfers of Special Nuclear Material from the Commission to
Commonwealth Edison and to the Commission from Commonwealth Edison - Dresden 2

(1)	(2)	(3)	(4)	(5)
Date of Transfer (Fiscal Year)	Transfers from AEC to Common- wealth Edison Kgs. U-235 (a)	Returns by Commonwealth Edison to AEC Kgs. U-235	Net Yearly Distribution Kgs. U-235	Cumulative Distribution Incl. Cumulative Losses-Kgs. U-235
		Scrap		
		Depleted Fuel		
1966	-	-	-	-
1967	-	-	-	-
1968	3,133.7	-	3,133.7	3,133.7
1969	-	219.4	(219.4)	2,914.3
1970	1,016.4	-	1,016.4	3,930.7
1971	1,016.4	71.1	945.3	4,876.0
1972	372.8	71.1	301.7	5,177.7
1973	832.5	26.1	353.0	5,631.1
1974	643.5	58.3	453.4	5,834.7
1975	643.5	45.0	203.6	6,190.6
1976	740.6	45.0	355.9	6,704.1
1977	648.6	51.8	513.5	7,107.6
1978	556.7	45.4	403.5	7,400.7
1979	648.6	39.0	293.1	7,837.4
1980	602.6	45.4	436.7	8,231.6
1981	602.6	42.2	394.2	8,606.4
1982	602.6	42.2	374.8	8,992.2
			385.8	

(a) First core enrichment 2.00% U-235 by weight, reload core enrichment 2.36% U-235 by weight.

UNITED STATES ATOMIC ENERGY COMMISSION

DOCKET NO. 50-237

COMMONWEALTH EDISON COMPANY

NOTICE OF ISSUANCE OF PROVISIONAL CONSTRUCTION PERMIT

Please take notice that pursuant to the Initial Decision of the Atomic Safety and Licensing Board dated December 29, 1965, the Director of the Division of Reactor Licensing has issued Provisional Construction Permit No. CPPR-18 to Commonwealth Edison Company for the construction of a boiling water reactor designated as the Dresden Nuclear Power Station Unit 2, having a design capacity of 2255 megawatts thermal (715 megawatts electrical), to be located at the Dresden Nuclear Power Station, Grundy County, Illinois. The construction permit is in the form set forth in the Initial Decision except that on January 4, 1966 the applicant submitted a more exact fuel allocation schedule which has been incorporated into the construction permit as issued.

A copy of the Initial Decision is on file in the Commission's Public Document Room, 1717 H Street, N. W., Washington. D. C.

FOR THE ATOMIC ENERGY COMMISSION

Original Signed By
R. L. Doan

R. L. Doan, Director
Division of Reactor Licensing

Dated at Bethesda, Maryland
this 10th day of January, 1966.

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