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OCT 14 1966

Docket No. 30-249

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- R. Huard, encl. only
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- bcc: H. J. McAlduff, ORO
- E. E. Hall, GMR/H
- J. A. Harris, PI
- E. Tremmel, IP
- R. Leith, OC
- J. Verme, NMM
- D. Nussbaumer, DML

Commonwealth Edison Company  
72 West Adams Street  
Chicago, Illinois 60690

Attention: Mr. Murray Joslin  
Vice President

Gentlemen:

Enclosed is Construction Permit No. CPPR-22 which has been issued pursuant to the Atomic Safety and Licensing Board's Initial Decision dated October 4, 1966. The construction permit authorizes Commonwealth Edison Company to construct the Dresden 3 Unit at its Dresden Nuclear Power Station in Grundy County, Illinois.

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

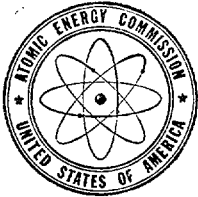
Sincerely yours,

ORIGINAL SIGNED by  
Peter A. Morris

Peter A. Morris, Director  
Division of Reactor Licensing

Enclosures:  
As stated above

OFFICE ▶	DRL	OGC	DRL	DRL	DRL
SURNAME ▶	HSteele/dj	<i>(Handwritten initials)</i>	DRM/for. RSBoyd	ECCase	PAMorris
DATE ▶	10/11/66	10/13/66	10/13/66	10/14/66	10/14/66



UNITED STATES  
ATOMIC ENERGY COMMISSION  
WASHINGTON, D.C. 20545  
COMMONWEALTH EDISON COMPANY

DOCKET NO. 50-249

PROVISIONAL CONSTRUCTION PERMIT

Construction Permit No. CPPR-22

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 facility, known as Dresden Unit 3, 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 be 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, 1969, and the latest date for completion of the facility is June 1, 1970.
  - 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 regulation in Title 10, Chapter 1, CFR, Part 50, the Commission has allocated to the applicant for use in the operation of the reactor 17,866 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  
Peter A. Morris

Peter A. Morris, Director  
Division of Reactor Licensing

Attachment:  
Appendix A

Date of Issuance: October 14, 1966

APPENDIX A

Dresden 3 Reactor  
 Estimated Schedule of Transfers of Special Nuclear Material  
 From the Atomic Energy Commission (AEC) to  
 Commonwealth Edison Company (Commonwealth)  
 And to the AEC from Commonwealth

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(1)	(2)	(3)	(4)	(5)
Date of Transfer (Fiscal Year)	Transfers from AEC to Commonwealth <sup>1/</sup> Kg U-235	Returns by Commonwealth to AEC Kg U-235	Net Yearly Distribution Including Cumulative Losses	Cumulative Distribution Including Cumulative Losses
		<u>Scrap <sup>1/</sup></u>		
			<u>Depleted Fuel</u>	
1967	--	--	--	--
1968	--	--	--	--
1969	3,133.7 <sup>1/</sup>	--	3,133.7	3,133.7
1970	--	219.4 <sup>1/</sup>	(219.4)	2,914.3
1971	1,016.4	--	1,016.4	3,930.7
1972	1,016.4	71.1	945.3	4,876.0
1973	372.8	71.1	301.7	5,177.7
1974	832.5	26.1	453.4	5,631.1
1975	643.5	58.3	203.6	5,834.7
1976	643.5	45.0	355.9	6,190.6
1977	740.6	45.0	513.5	6,704.1
1978	648.6	51.8	403.5	7,107.6
1979	556.7	45.4	293.1	7,400.7
1980	648.6	39.0	436.7	7,837.4
1981	602.6	45.4	394.2	8,231.6
1982	602.6	42.2	374.8	8,606.4
1983	602.6	42.2	385.8	8,992.2
1984	602.6	42.2	385.8	9,378.0
1985	602.6	42.2	385.8	9,763.8
1986	602.6	42.2	385.8	10,149.6
1987	602.6	42.2	385.8	10,535.4
1988	602.6	42.2	385.8	10,921.2
1989	602.6	42.2	385.8	11,307.0
1990	602.6	42.2	385.8	11,692.8
1991	602.6	42.2	385.8	12,078.6
1992	602.6	42.2	385.8	12,464.4
1993	602.6	42.2	385.8	12,850.2
1994	602.6	42.2	385.8	13,236.0
1995	602.6	42.2	385.8	13,621.8
1996	602.6	42.2	385.8	14,007.6
1997	602.6	42.2	385.8	14,393.4
1998	602.6	42.2	385.8	14,779.2
1999	602.6	42.2	385.8	15,165.0

(1)	(2)	(3)	(4)	(5)
Date of Transfer (Fiscal Year)	Transfers from AEC to Commonwealth <sup>1/</sup> Kg U-235	Returns by Commonwealth to AEC Kg U-235	Net Yearly Distribution Including Cumulative Losses	Cumulative Distribution Including Cumulative Losses
		<u>Scrap <sup>1/</sup></u>	<u>Depleted Fuel</u>	
2000	602.6	42.2	174.6	15,550.8
2001	602.6	42.2	174.6	15,936.6
2002	602.6	42.2	174.6	16,322.4
2003	602.6	42.2	174.6	16,708.2
2004	602.6	42.2	174.6	17,094.0
2005	602.6	42.2	174.6	17,479.8
2006	602.6	42.2	174.6	17,865.6
2007	--	42.2	174.6	17,648.8
2008	--	--	174.6	17,474.2
	<u>25,920.9</u>	<u>1,814.8</u>	<u>6,631.9</u>	<u>17,474.2</u>

<sup>1/</sup> Estimated enrichment for FY 1969 and 1970 is 2.00%. For all other years the estimated enrichment is 2.36%.

UNITED STATES ATOMIC ENERGY COMMISSION

DOCKET NO. 50-249

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 October 4, 1966, the Director of the Division of Reactor Licensing has issued Provisional Construction Permit No. CPPR-22 to Commonwealth Edison Company for the construction of a single cycle, boiling light water reactor, designated as Dresden Unit 3, to be located at Commonwealth Edison Company's Dresden Nuclear Power Station in Grundy County, Illinois.

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  
Peter A. Morris

Peter A. Morris, Director  
Division of Reactor Licensing

Dated at Bethesda, Maryland  
this 14th day of October, 1966.