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 RCDeYoung JHendrie
 CHEbron, F&M (OL only) EGoulbourne (2)
 JMuller, EP
 R.Clark, EP

Docket No. 50-270

OCT 6 1973

Duke Power Company
 ATTN: Mr. A. C. Thies
 Senior Vice President
 Production and Transmission
 422 South Church Street
 P. O. Box 2178
 Charlotte, North Carolina 28201

Gentlemen:


The Atomic Energy Commission has issued Facility Operating License No. DPR-47 to the Duke Power Company for the Oconee Nuclear Station, Unit 2. This license authorizes Duke Power Company to operate the Oconee Nuclear Station, Unit 2, at 2568 megawatts thermal in accordance with Appendices A and B of the Technical Specifications.

The license, complete with Technical Specifications and the related notice, which has been forwarded to the Office of the Federal Register for publication, are enclosed.

Two signed copies of Amendment No. 7 to the Indemnity Agreement No. B-44, which covers the activities authorized under License No. DPR-47, are enclosed for your review and acceptance. Please sign and return a copy of the agreement to this office.

bcc: HJMcAlduff, ORO
 JRBuchanan, ORNL
 TBAbernathy, DTIE
 ARosenthal, ASLAB
 NHGoodrich, ASLAB

Sincerely,


Original Signed by
 Irving A. Peltier 

A. Schwencer, Chief
 Pressurized Water Reactors Branch 4
 Directorate of Licensing

Enclosures:

1. Operating License No. DPR-47 with Technical Specifications
2. Federal Register Notice
3. Indemnity Agreement No. B-44, Amendment No. 7

cc: See next page

OAI
9-25-73
by phone 10/5/73
L:OAI
10/5/73


OFFICE ▶	x7243/L:PWR-4	L:PWR-4	OGC	L:PWR-4	RO	L:ADEP
SURNAME ▶	EGoulbourne:cr	IAPeltier	HWilchins	ASchwencer	DRMuller	
DATE ▶	9/21/73	9/21/73	9/1/73	10/2/73	10/5/73	10/2/73

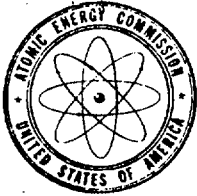
cc: William L. Porter, Esquire
Duke Power Company
P. O. Box 2178
422 South Church Street
Charlotte, North Carolina 28201

Honorable Reese A. Hubbard
County Supervisor of Oconee County
Walhalla, South Carolina 29621

Troy B. Conner, Esquire
Conner & Knotts
1747 Pennsylvania Avenue, NW
Suite 1050
Washington, D. C. 20006

Mr. Elmer Whitten
State Clearinghouse
Office of the Governor
Division of Administration
1205 Pendleton Street
4th Floor
Columbia, South Carolina 29201

OFFICE ▶						
SURNAME ▶						
DATE ▶						



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

DUKE POWER COMPANY

(Oconee Nuclear Station, Unit 2)

DOCKET NO. 50-270

FACILITY OPERATING LICENSE

License No. DPR-47

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

- a. The application for license filed by Duke Power Company (the licensee) complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I and all required notifications to other agencies or bodies have been duly made;
- b. Construction of the Oconee Nuclear Station, Unit 2 (the facility) has been substantially completed in conformity with Provisional Construction Permit No. CPPR-34 and 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 (i) that the activities authorized by this operating license 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;
- e. The licensee is technically and financially qualified to engage in the activities authorized by the operating license in accordance with the rules and regulations of the Commission;
- f. The licensee has satisfied the applicable provisions of 10 CFR Part 140, "Financial Protection Requirements and Indemnity Agreements," of the Commission's regulations;

- g. The issuance of this operating license will not be inimical to the common defense and security or to the health and safety of the public;
- h. After weighing the environmental, economic, technical and other benefits of the facility against environmental costs and considering available alternatives, the issuance of Facility Operating License No. DPR-47 (subject to the conditions for protection of the environment set forth herein) is in accordance with 10 CFR Part 50, Appendix D, of the Commission's regulations and all applicable requirements of said Appendix D have been satisfied; and
- i. Pursuant to Section 105c(8) of the Act, the Commission has consulted with the Attorney General regarding the issuance of this operating license. After said consultation, the Commission has determined that the issuance of this license, subject to the conditions set forth in this subparagraph i, in advance of consideration of and findings with respect to matters covered in Section 105c of the Act, is necessary in the public interest to avoid unnecessary delay in the operation of the facility. At the time this operating license is being issued an antitrust proceeding has been noticed but antitrust hearings have not commenced. The Commission, accordingly, has made no determination with respect to matters covered in Section 105c of the Act, including conditions, if any which may be appropriate as a result of the outcome of any antitrust proceeding. On the basis of its findings made as a result of an antitrust proceeding, the Commission may continue this license as issued, rescind this license or amend this license to include such conditions as the Commission deems appropriate. Duke Power Company and others who may be affected hereby are accordingly on notice that the granting of this license is without prejudice to any subsequent licensing action, including the imposition of appropriate conditions, which may be taken by the Commission as a result of the outcome of any antitrust proceeding. In the course of its planning and other activities, Duke Power Company will be expected to conduct itself accordingly; and
- j. The receipt, possession, and use of source, byproduct and special nuclear material as authorized by this license will be in accordance with the Commission's regulations in 10 CFR Parts 30, 40 and 70, including 10 CFR Sections 30.33, 40.32, 70.23 and 70.31.

Facility Operating License No. DPR-47 is hereby issued to the Duke Power Company (the licensee), to read as follows:

1. This license applies to the Oconee Nuclear Station, Unit 2, a pressurized water reactor and associated equipment (the facility) which is owned by the Duke Power Company. The facility is located on the applicant's site located in eastern Oconee County, about eight miles northeast of Seneca, South Carolina, and is described in the Final Safety Analysis Report and Environmental Report as supplemented and amended.
2. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses Duke Power Company (the licensee):
 - A. Pursuant to Section 104b of the Atomic Energy Act of 1954, as amended (the Act) and 10 CFR Part 50, "Licensing of Production and Utilization Facilities," to possess, use, and operate the facility at the designated location on the Oconee Nuclear Station site in accordance with the procedures and limitations described in this license;
 - B. Pursuant to the Act and 10 CFR Part 70, "Special Nuclear Material," to receive, possess, and use at any one time in connection with the operation of the facility: (1) up to 4500 kilograms of contained uranium 235, (2) 100 grams of plutonium as Plutonium-Beryllium neutron sources;
 - 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:
 1. Americium-Beryllium-Curium, one or more neutron sources, the total amount of which will not exceed 1300 curies;
 2. Cesium 137, 250 microcuries as sealed sources, not to exceed 10 microcuries per source;
 3. Cesium 137, 175 millicuries as one sealed source;
 4. Barium 133, 30 microcuries as sealed sources, not to exceed 10 microcuries per source;
 5. Strontium 90, 2500 microcuries as sealed sources, not to exceed 100 microcuries per source;

6. Cobalt 60, 6 curies as four sizes of sealed sources with each source size not to exceed 4 curies, 1 curie, 2 millicuries, and 10 microcuries respectively;
 7. Three millicuries total of any byproduct material with Atomic Nos. 1 through 84, inclusive, in any chemical and/or physical form; and
 8. Sodium 24, 500 millicuries, in a solution for turbine tests.
- D. Pursuant to the Act and 10 CFR Parts 30 and 70, to possess, but not separate, such byproduct and special nuclear materials as may be produced by the operation of the facility.
3. This license shall be deemed to contain and is subject to the conditions specified in the following Commission regulations in 10 CFR Chapter I: Part 20, Section 30.34 of Part 30, Section 50.54 and 50.59 of Part 50 and Section 70.32 of 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 or incorporated below:
- A. Maximum Power Level

The licensee is authorized to operate the facility at steady state reactor core power levels not in excess of 2568 megawatts thermal.
 - B. Technical Specifications

The Technical Specifications attached hereto as Appendices A and B are hereby incorporated in this license. The licensee shall operate the facility in accordance with these Technical Specifications.
 - C. This license is subject to the following conditions for the protection of the environment:
 1. Accumulate information required to establish baselines for the evaluation of thermal, chemical and radiological effects of station operation on terrestrial biota and aquatic biota in Lakes Keowee and Hartwell.

2. Develop and implement a comprehensive monitoring program that will permit surveillance during plant operation of thermal, chemical, and radiological effects on terrestrial biota and on aquatic biota in Lakes Keowee and Hartwell.

4. This license is effective as of the date of issuance, and shall expire at midnight, November 6, 2007.

FOR THE ATOMIC ENERGY COMMISSION

Original Signed by
A. Giambusso

A. Giambusso, Deputy Director
for Reactor Projects
Directorate of Licensing

Attachments:
Appendices A & B - Technical
Specifications

Date of Issuance: OCT 6 1973