

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-327

TENNESSEE VALLEY AUTHORITY

NOTICE OF ISSUANCE OF FACILITY OPERATING LICENSE

The U. S. Nuclear Regulatory Commission (the Commission) has issued Facility Operating License No. DPR-77, to Tennessee Valley Authority (licensee) which authorizes operation of the Sequoyah Nuclear Plant, Unit 1 (the facility) at reactor core power levels not in excess of 3411 megawatts thermal (100 percent power) in accordance with the provisions of the license and the Technical Specifications. Prior to power operation at power levels exceeding 5 percent, certain related construction items must be completed.

The Sequoyah Nuclear Plant, Unit 1 is a pressurized water nuclear reactor located at the licensee's site in Hamilton County, Tennessee, about 9.5 miles northeast of Chattanooga.

The application for the license complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's regulations. The Commission has made appropriate findings as required by the Act and the Commission's regulations in 10 CFR Chapter I, which are set forth in the license. Prior public notice of the overall action involving the proposed issuance of an operating license was published in the FEDERAL REGISTER on March 25, 1974 (39 FR 11131). The notice of issuance of license of February 29, 1980 for fuel loading and low power testing was published in the FEDERAL REGISTER on March 10, 1980 (45 FR 15349).

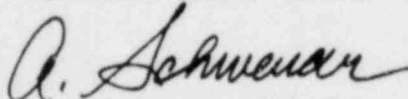
The Commission has determined that the issuance of this license will not result in any environmental impacts other than those evaluated in the Final Environmental Statement since the activity authorized by the license is encompassed by the overall action evaluated in the Final Environmental Statement.

For further details with respect to this action, see (1) License for Fuel Load and Low Power Testing dated February 29, 1980 and amendments thereto; (2) Facility Operating License No. DPR-77, complete with Technical Specifications, and (3) the reports of the Advisory Committee on Reactor Safeguards dated December 11, 1979, July 15, 1980, and September 8, 1980; (4) Commission's Safety Evaluation Report (NUREG-0011) dated March 1979, Supplement No. 1 dated February 1980, Supplement No. 2 dated August, 1980, and Supplement 3 dated September 1980; (5) the Final Safety Analysis Report and amendments thereto; (6) the Final Environmental Statement prepared by Tennessee Valley Authority in July 1974; (7) the Commission's Environmental Impact Appraisal dated May 1979; (8) NRC Flood Plain Review of Sequoyah Nuclear Plant Site dated July 18, 1980; and (9) Discussion of the Environmental Effects of the Uranium Fuel Cycle dated September 1980.

These items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N. W., Washington, D. C., and the Chattanooga Hamilton County Bicentennial Library, 1001 Broad Street, Chattanooga, Tennessee 37402. A copy of Facility Operating License No. DPR-77 may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Licensing. A copy of item (4) may be purchased at current rates from the National Technical Information Service, Department of Commerce, 5285 Port Royal Road, Springfield, Virginia 22161, and through the NRC GPO sales program by writing to U.S. Nuclear Regulatory Commission, Attention: Sales Manager, Washington, D. C. 20555. GPO deposit account holders can call 301-492-9530.

Dated at Bethesda, Maryland, this 17th day of September, 1980.

FOR THE NUCLEAR REGULATORY COMMISSION



A. Schwencer, Chief  
Licensing Branch No. 2  
Division of Licensing

DISCUSSION OF THE ENVIRONMENTAL EFFECTS OF  
THE URANIUM FUEL CYCLE

Related to Operation of

SEQUOYAH NUCLEAR PLANT, UNITS 1 AND 2

TENNESSEE VALLEY AUTHORITY

DOCKET NOS. 50-327 AND 50-328

SEPTEMBER 1980

U. S. NUCLEAR REGULATORY COMMISSION  
OFFICE OF NUCLEAR REACTOR REGULATION

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APPENDIX B

TO FACILITY OPERATING LICENSE

ENVIRONMENTAL TECHNICAL SPECIFICATIONS  
(NON-RADIOLOGICAL)

FOR

SEQUOYAH NUCLEAR PLANT, UNITS 1 AND 2

DOCKET NOS. 50-327  
AND 50-328

TENNESSEE VALLEY AUTHORITY

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# Technical Specifications

Sequoyah Nuclear Plant

Unit No. 1

Docket No. 50-327

Appendix "A" to  
License No. DPR-77

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Fall 1980

Office of Nuclear Reactor Regulation

Issued by the  
U.S. Nuclear Regulatory  
Commission



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