bcc: J. R. Buchanan, ORNL
T. W. aughlin, DTIE
H. J. McAlduff, ORO
A. S. Rosenthal, ASLB
N. Goodrich, ASLBP
H. Mueller, GMR/H
J. A. Harris, IS
F. W. Karas, SECY
St. George T. Arnold, ORNL

DISTRIBUTION:
ocket
RP Reading
PWR-3 Reading
AEC PDR
Local PDR
OGC
NLDube (w/3 encls)
RO (3)
MJinks, DR
RCDeYoung, L
DJSkovholt, L
PCollins, L
CHebron, DR
JDelaney
JSaltzman
JEPressner
CWMoon, L
VHWilson, L (2)
GWilliams, EP

Docket No. 50-368

DEC 6 1972

Arkansas Power & Light Company
ATTN: Mr. J. D. Phillips
Vice President and
Chief Engineer
Sixth & Pine Streets
Pine Bluff, Arkansas 71601

Gentlemen:

The Atomic Energy Commission has issued Construction Permit No. CPPR-89 to the Arkansas Power & Light Company authorizing construction of a pressurized water nuclear reactor designated as Arkansas Nuclear One, Unit 2. The construction permit has been issued pursuant to an Initial Decision by the Atomic Safety and Licensing Board.

Copies of the construction permit, the related notice, which has been forwarded to the Office of the Federal Register for publication, and the Initial Decision are enclosed.

Sincerely,

Original Signed by
R. C. DeYoung

R. C. DeYoung, Assistant Director
for Pressurized Water Reactors
Directorate of Licensing

Enclosures:
1. Construction Permit No. CPPR-89
2. Federal Register Notice
3. Initial Decision (see Rpts Jacket)

cc w/encls:
Mr. Harlan T. Holmes
Manager of Production, Design
and Construction
Arkansas Power & Light Company
Sixth & Pine Streets
Pine Bluff, Arkansas 71601

Mr. Horace Jewell
House, Holms & Jewell
1550 Tower Building
Little Rock, Arkansas 72201

OFFICE ▶	AD:PWR	L:PWR-3	L:PWR-3	L:AD/PWRs		LB
SURNAME ▶	x7415 VHWilson:esp	CWMoon	KRGoller	RCDeYoung		
DATE ▶	11/2/72	11/2/72	11/2/72	11/16/72		

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

ARKANSAS POWER & LIGHT COMPANY

(Arkansas Nuclear One, Unit 2)

DOCKET NO. 50-368

CONSTRUCTION PERMIT

Construction Permit No. CPPR-89

1. Pursuant to Section 103 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 Initial Decision of the Atomic Safety and Licensing Board, the Atomic Energy Commission (the Commission) hereby issues a construction permit to the Arkansas Power and Light Company (the applicant) for a utilization facility (the facility) to be designed to operate at 2760 megawatts thermal with a net electrical output of approximately 920 megawatts, as described in the application and amendments thereto (the application), including the environmental report and supplements thereto (environmental report), 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 Arkansas Nuclear One, Unit 2, will be located at the applicant's site adjacent to Arkansas Nuclear One, Unit 1, on a peninsula in the Dardanelle Reservoir on the Arkansas River in Pope County, Arkansas.

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 April 1, 1975, and the latest date for completion of the facility is September 1, 1975.

   B. The facility shall be constructed and located at the site as described in the application, in Pope County, Arkansas.

C. This construction permit authorizes the applicant to construct the facility described in the application, including the environmental report and the hearing record in accordance with the principal architectural and engineering criteria and environmental protection commitments set forth therein.

D. This construction permit is subject to all commitments made by the applicant in the environmental report and, as required by paragraph 72 of the Initial Decision herein dated December 1, 1972, to the following conditions for the protection of the environment as set forth in the Final Environmental Statement, pages v and vi paragraph 10 (a) - (c):

(1) The liquid effluent from Unit 2, including the cooling tower blowdown and liquid radioactive wastes, will not be discharged at any time without a dilution equivalent to one half (about 383,000 gpm) the full flow of the Unit 1 circulating water pumps.

(2) The applicant will continue the ongoing environmental monitoring programs described in Appendix D of its Supplement to Environmental Report, dated December 1971, and augment the program to the extent considered by the regulatory staff to be adequate to detect any adverse effects of the design and operation of the intake canal and intake structures.

(3) If, as a result of the monitoring program, harmful effects or evidence of irreversible damage are predicted from Unit 2 or the combined operation of Units 1 and 2, the applicant will provide an analysis of the problem and will develop a course of action to be taken immediately to alleviate the problems.

As further provided in the aforementioned paragraph 72, the foregoing conditions (1) through (3) of this paragraph 2.D. shall be included in any subsequent operating license which may be issued for the facility.

E. In view of the fact that the Attorney General has not recommended an antitrust hearing in this matter, that no antitrust issues have been raised by another in a manner according with the Commission's Rules of Practice, and that no finding has been made that an antitrust hearing is otherwise required (10 CFR, Part 2, §2.104(d)), antitrust review of the application for this construction permit under Section 105c of the Atomic Energy Act of 1954, as amended, has been completed and a hearing thereon determined to be unnecessary.

3. This permit is subject to the limitation that a license authorizing operation of the facility will not be issued by the Commission unless (a) the applicant submits to the Commission, by filing an application for an operating license or by amendment to the application for a license to construct and operate the facility, a complete final safety analysis 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; (c) the applicant submits to the Commission an environmental report for the operating license stage; and (d) the applicant submits proof of financial protection and the execution of an indemnity agreement as required by Section 170 of the Act.

FOR THE ATOMIC ENERGY COMMISSION

A. Giambusso

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

Date of Issuance: DEC 6 1972

UNITED STATES ATOMIC ENERGY COMMISSION

DOCKET NO. 50-368

ARKANSAS POWER & LIGHT COMPANY

NOTICE OF ISSUANCE OF CONSTRUCTION PERMIT

Notice is hereby given that, pursuant to the Initial Decision of the Atomic Safety and Licensing Board, the Deputy Director for Reactor Projects, Directorate of Licensing, has issued Construction Permit No. CPPR-89 to Arkansas Power and Light Company for the construction of Arkansas Nuclear One, Unit 2, a pressurized water reactor, on the applicant's site adjacent to Arkansas Nuclear One, Unit 1, on a peninsula in the Dardanelle Reservoir on the Arkansas River in Pope County, Arkansas. The reactor is designed for initial operation at 2760 megawatts thermal.

The Initial Decision and Construction Permit No. CPPR-89 are available for public inspection in the Commission's Public Document Room, 1717 H Street, N. W., Washington, D. C., and in the Arkansas River Valley Regional Library, Dardanelle, Arkansas 72834. Copies of the construction permit may be obtained upon request addressed to the U. S. Atomic Energy Commission, Washington, D. C. 20545, Attention: Deputy Director for Reactor Projects, Directorate of Licensing.

Dated at Bethesda, Maryland, this 6th day of Dec, 1972.

FOR THE ATOMIC ENERGY COMMISSION

R. C. DeYoung

R. C. DeYoung, Assistant Director
for Pressurized Water Reactors
Directorate of Licensing