

DIST SUTION:

AEC LDR

Formal

Suppl.

DR Reading

DRL Reading

RPB-3 Reading

Orig: FWKaras (2)

R. S. Boyd

T. F. Engelhardt, OGC

L. Kornblith (2)

N. Dube (2)

bcc: D: Saltzman  
D: Nussbaumer, DML

J. R. Buchanan, ORNL

E. E. Hall, RDT

J. A. Harris, PI

E. B. Tremmel, IP

R. Leith, OC

J. Verme, NMM

A. A. Wells, ASLB

Docket Nos. 50-313

DEC 6 1968

Arkansas Power & Light Company  
Sixth and Pine Streets  
Pine Bluff, Arkansas 71601

Attention: Mr. J. D. Phillips  
Vice President and Chief Engineer

Gentlemen:

Provisional Construction Permit No. CPPR-57 is enclosed, together with a copy of a related notice which has been forwarded to the Office of the Federal Register for filing and publication.

The construction permit authorizes the Arkansas Power & Light Company to construct a pressurized water nuclear reactor designated as the Russellville Nuclear Unit on the Company's site in Pope County, Arkansas.

The construction permit has been issued pursuant to the Initial Decision of the Atomic Safety and Licensing Board. A copy of the decision has already been sent to you.

Sincerely yours,

Original Signed by  
Peter A. Morris

Peter A. Morris, Director  
Division of Reactor Licensing

Enclosures:  
As stated above

Dist. Cont.

D. Skovholt

C. G. Long

OFFICE ▶	PRB-3/DRL <i>FWK</i>	RPB-3/DRL <i>CG</i>	OGC <i>CG</i>	RP:DRL	DRL <i>W</i>	
SURNAME ▶	FWKaras/peg	CGLong		RSBoyd	PAMorris	
DATE ▶	11/27/68	12/6/68	12/6/68	12/ /68	12/6/68	

UNITED STATES ATOMIC ENERGY COMMISSION

DOCKET NO. 50-313

ARKANSAS POWER & LIGHT COMPANY

NOTICE OF ISSUANCE OF PROVISIONAL CONSTRUCTION PERMIT

Notice is hereby given that, pursuant to the Initial Decision of the Atomic Safety and Licensing Board, dated December 4, 1968, the Director of the Division of Reactor Licensing has issued Provisional Construction Permit No. CPPR-57 to the Arkansas Power & Light Company for the construction of a pressurized water nuclear reactor, designated as the Russellville Nuclear Unit, on the applicant's site on a peninsula in Dardanelle Reservoir on the Arkansas River in Pope County, Arkansas. The reactor is designed for initial operation at approximately 2452 megawatts (thermal).

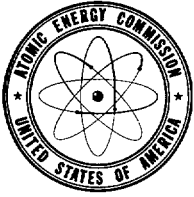
A copy of the Initial Decision is on file in the Commission's Public Document Room, 1717 H Street, N.W., Washington, D. C.

FOR THE ATOMIC ENERGY COMMISSION

Original Signed by  
Peter A. Morris

Peter A. Morris, Director  
Division of Reactor Licensing

Dated at Bethesda, Maryland  
this 6 day of December, 1968.



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

ARKANSAS POWER & LIGHT COMPANY

(RUSSELLVILLE NUCLEAR UNIT)

DOCKET NO. 50-313

PROVISIONAL CONSTRUCTION PERMIT

Construction Permit No. CPPR-57

1. Pursuant to § 104 b. 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 Arkansas Power & Light Company (the applicant) for a utilization facility (the facility), designed to operate at 2452 megawatts (thermal) described in the application and amendments thereto (the application) 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 Russellville Nuclear Unit, will be located at the applicant's Pope County, Arkansas site on a peninsula in Dardanelle Reservoir on the Arkansas River about six miles west northwest from Russellville, Arkansas, and about two miles southeast from London, Arkansas.
2. This permit shall be deemed to contain and be subject to the conditions specified in §§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 February 1, 1972, and the latest date for completion of the facility is July 1, 1972.
  - B. The facility shall be constructed and located at the site as described in the application on a peninsula in Dardanelle Reservoir on the Arkansas River in Pope County, Arkansas.
  - 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 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; and (c) the applicant submits proof of financial protection and the execution of an indemnity agreement as required by § 170 of the Act.

FOR THE ATOMIC ENERGY COMMISSION

Original Signed by  
Peter A. Morris

Peter A. Morris, Director  
Division of Reactor Licensing

Date of Issuance: DEC 6 1968

## REACTOR DATA INPUT FORM

# #3883 REACTORS

#### A. IDENTIFYING & DESCRIPTIVE DATA

01. PROGRAM CODE <b>211</b>	12. PROJ. NO.	03. DOCKET NO. <b>50-313</b>	09. TASK NO.	10. TYPE OF REACTOR <b>Pressurized-Water</b>	11. CLASS OF REACTOR <b>104(b)</b>		
18. APPLICANT <b>Arkansas Power &amp; Light Co.</b>					19. NAME OF REACTOR <b>Russellville</b>		
21. STREET - BUILDING <b>Ninth and Louisiana Streets</b>			POWER LEVEL				
			TYPE	UNIT	REQUESTED.	DESIGN	AUTHORIZED
				65.	156.	67.	68.
			ELEC.		825	880	
24. CITY			27. STATE	30. ZIP			
<b>Little Rock</b>			<b>ARK</b>	<b>72203</b>			
			THER.	MW	2452	2568	

B.	ACTION DATA
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## BASIC PROCESSING STAGES

		ACTIV. CD.	74. FIRST ACTION						90. END ACTION (DATE APPL. CONSID.)					
PRE-APPLICATION CONSIDERATION		31	YR.	MO.	DAY							YR.	MO.	DAY
PROCESSING APPLICA. FOR CONSTRUCTION		35	APPLIC. REC.			CONSTRUCTION PER. ISSUED						LATEST COMPL. DATE		
			33. YR.	MO.	DAY	76. NO.	77. YR.	MO.	DAY					
			67	11	29	CPPR-27	68	12	06					
PROCESSING OPERATING AUTHORITY	PROVIS- IONAL	36	STARTED			PROV. OP. AUTHORITY ISSUED						EXPIRATION DATE		
			80. YR.	MO.	DAY	81. NO.	82. YR.	MO.	DAY					
	FULL TERM	38	STARTED			FULL TERM AUTH. ISSUED								
			84. YR.	MO.	DAY	85. NO.	86. YR.	MO.	DAY					

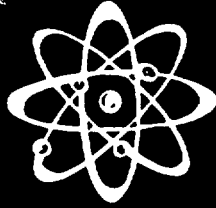
## SUPPLEMENTARY ACTION

TASK NO. (SAME AS FIELD 09)	86.	YR.	MO.	DAY	88.	87.	YR.	MO.	DAY
	DATE SUPPLE. REQUEST REC'D.				bbb	DATE SUPPLEMENTARY REQUEST (TASK) COMPLETED			
42. PURPOSE OF REQUEST (TASK)						54. RESULT OF TASK (AM.NO., CHANGE NO., ETC.)			

## C. STATISTICS

TYPE OF ACTION REQUESTED AND TAKEN		48.	51.	52.
		REQ.	TAK.	
A	REACTOR CONCEPT REVIEW			VOID INPUT ENTERED UNDER CODES IN FIELDS 01, 03 OR 12, AND 09 AS RECORDED ABOVE AND ACTIVITY CODE _____
B	PRELIMINARY SITE REVIEW			
C	PRECONSTRUCTION STAGE REVIEW			53.
D	CONSTRUCTION PERMIT(C.P.REVIEW)	X		CONSOLIDATE INPUT ENTERED UNDER CODES IN FIELDS 01, 03 OR 12, AND 09 AS RECORDED ABOVE AND ACTIVITY CODE _____ WITH
E	AUTHORITY TO OPERATE(OP.STAGE REVIEW)			PROG. _____ PROJ. _____
F	AUTHORITY TO POSSESS ONLY			TASK _____ ACT. _____
G	AMENDMENT TO CONSTRUCTION PERMIT			
H	AMENDMENT TO OPERATING LICENSE			
I	CHANGE TO TECHNICAL SPECIFICATIONS			
J	EXEMPTION			
K	CONSTRUCTION PERMIT EXTENSION			
L	OPERATING LICENSE(OR AUTHORITY)EXTENSION			
M	DRL ORDER			
N	SPECIAL AUTHORITY			
T	LICENSE(OR AUTHORITY)TERMINATED OR EXPIRED			
O	OTHER(EXPLAIN)			

AEC



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

No. L-278  
Tel. 973-3335 or  
973-3446

FOR IMMEDIATE RELEASE  
(Friday, December 6, 1968)

*Hazet*  
*Worke*  
*50-313*

PERMIT ISSUED FOR NUCLEAR POWER PLANT  
NEAR RUSSELLVILLE, ARKANSAS

A permit to build a nuclear power plant near Russellville, Arkansas, has been issued to the Arkansas Power and Light Company by the Atomic Energy Commission's Division of Reactor Licensing.

The company will build its Russellville Nuclear Unit on a peninsula in the Dardanelle Reservoir on the Arkansas River about six miles northwest of Russellville.

The facility will use a pressurized water reactor and will have an output of about 850,000 net electrical kilowatts. Babcock and Wilcox Company will supply the nuclear steam supply system and Westinghouse Electric Corporation the turbine generator. The Bechtel Corporation is the architect-engineer and supervisor of construction for the project.

The total cost of the nuclear power plant and associated facilities, including the first fuel core, is estimated to be \$169,000,000. The company expects to begin commercial operation by December 31, 1972.

Issuance of the permit follows reviews by the AEC Regulatory Staff and the Commission's Advisory Committee on Reactor Safeguards and a public hearing by an Atomic Safety and Licensing Board. The board conducted the hearing on October 30 in Russellville and issued a decision on December 4 authorizing issuance of the permit. The permit and the board's decision are subject to review by the Commission and to any order the Commission may make on or before January 20, 1969.