

Docket No. 50-368

July 15, 1971

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

Dear Mr. Phillips:

This is in reply to your request dated March 18, 1971, for an exemption from the provisions of Section 50.10(b), 10 CFR Part 50 of the Commission's rules pursuant to Section 50.12 of the rules to permit the performance of certain work at the site of the Arkansas Nuclear One-Unit 2 facility prior to the issuance of a construction permit by the Commission.

You stated that the requested work is needed to permit construction of the plant to proceed on a schedule that would make the plant available for full power operation by December 1975. You maintain that delays at this time will significantly affect the ability of your system to meet the public need for power generation. The requested work consists of:

1. Containment Building

- a. Pouring of concrete for the tendon access gallery to elevation of 326 feet.
- b. Pouring of concrete for containment foundation mat to elevation of 335 feet.
- c. Installation of containment liner floor plates and knuckle section and cone plates, and cylindrical liner shell to elevation of 416 feet, including items that would necessarily be embedded in the foundation mat and walls such as reinforcing steel, cadweld connectors, leak chase, sump liner plates, liner plate weld backing strips, anchor bolts, door frames, penetration pipe sleeves and pipes.
- d. Pouring of concrete over floor plates to elevation of 336 feet, 6 inches.

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- e. Placement of reinforcing steel to elevation of 373 feet for the concrete cylindrical outer wall and to elevation of 363 feet for the internal structures which is necessary for the placing of concrete to elevation of 353 feet.
- f. Pouring the concrete cylindrical outer wall and internal structure to finished grade elevation of 353 feet.

2. Auxiliary Building

- a. Installation of reinforcing steel and other items that are necessarily embedded in the foundation mats, columns, walls and floor slabs to elevation of 364 feet, including the 132-inch and 92-inch circulating water pipes that are embedded under parts of the auxiliary building.
- b. Pouring concrete for the base mat, to elevations of 317 feet, 329 feet and 335 feet, respectively.
- c. Pouring concrete for columns and walls up to elevation of 354 feet.
- d. Pouring concrete for floor slab to elevation of 354 feet.

3. Service Water Intake Structure

- a. Installation of reinforcing steel and other embedded items to elevation of 363 feet.
- b. Pouring concrete up to elevation of 354 feet.

4. Diesel Oil Storage Vault

Completion of the entire underground reinforced concrete structure, including the installation of the two 17,000-gallon capacity tanks, at the same time as a similar adjacent structure is built for Unit 1.

5. Turbine Building

Reinforced concrete pipeway to elevation of 335 feet crossing the south end of the turbine building for the three 22-inch service water pipes from the intake structure to the auxiliary building under the building base mat.

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6. Class I Underground Pipes

- a. Approximately 75-foot sections of three 22-inch service water pipes near the intake structure and near the turbine building pipeway (total length of pipe approximately 450 feet).
- b. Approximately 50-foot section of a 30-inch pipe near the auxiliary building leading to the emergency pond.
- c. Approximately 500-foot section of a 48-inch pipe north of the plant and an additional 75-foot section of the same pipe near the intake structure.

7. Backfilling of the foregoing structures.

We have reviewed your request for an exemption under the provisions of Section 50.12 and the reasons set forth in support thereof and have concluded that the granting of an exemption is authorized by law, will not endanger life or property or the common defense and security, and is otherwise in the public interest. However, we will grant such an exemption only for installation of structures or portions of structures that are below finished grade level. Accordingly, the Commission hereby authorizes you to construct those portions of the seven items of the reactor facilities heretofore mentioned and described and requested in your letter of March 18, 1971, that are below the finished grade elevation of 353 ft. - 0 in., prior to the issuance of a construction permit.

I wish to emphasize that the granting of this exemption shall have no bearing upon the subsequent granting or denial of a construction permit for the proposed Arkansas Nuclear One-Unit 2 facility, and any work performed pursuant to this exemption shall be performed entirely at the risk of Arkansas Power & Light Company. Furthermore, the granting of this exemption does not constitute an approval of the type or adequacy of the method of its installation.

Sincerely,

( signed ) Harold L. Price

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Docket File (2)

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PWR-3 R/F

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*Approved at Reg. Conf. mtg., 7/12/71*

CRESS OFFICE	DRL:PWR-3	DRL:AD/PWRs	OGC	DRL:DIR	DRL:DIR	DR
T247, R4-6	CW Moon:dlp:mjm	RC DeYoung		FSchroeder	PAMorris	RHP:dlp:mjm
dlp SURNAME	KRGoller KRG					RHP:dlp:mjm
DATE	6/28/71	6/29/71	6/29/71	6/29/71	6/29/71	7/14/71