

ARKANSAS DEPARTMENT OF
POLLUTION CONTROL AND ECOLOGY

MINUTE ORDER NO. 74-52

LOCATION - SUBJECT: PERMIT FOR

AP&L WHITE BLUFF PLANT

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Wastewater Permit No. 1694-W for AP&L White Bluff
Plant is hereby approved.

COMMISS-
SIONERS

[Signature]

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Betty F...
Chairman

Submitted by. HANNAH Date passed: 11/23/74

PERMIT

Issued By

DEPARTMENT OF POLLUTION CONTROL & ECOLOGY

8001 National Drive
Little Rock, Arkansas 72209

Permit No. 1694-W

Date _____

TO: Arkansas Power and Light Co.
9th and Louisiana Streets
Little Rock, Arkansas 72203

Consulting Engineers:

This permit is your authority to construct, operate, and maintain the waste disposal system set forth in your application dated April 15, 1974. This permit is issued subject to the provisions of Act 472 of 1949, as amended (sec. 48-802 et seq., Ark. Stats.) and the following terms and conditions:

1. The disposal system shall be constructed in accordance with the final plans and specifications as approved by the Department of Pollution Control & Ecology.

2. This permit shall automatically terminate unless construction of the disposal system has been commenced within 24 months of the date hereof and completed with all reasonable diligence. The Department shall be notified in writing when the disposal system has been completed in order that it may be inspected.

3. The disposal system shall be operated by qualified personnel and maintained in good operating condition at all times.

4. By-passing of the disposal system is prohibited and will result in revocation of this permit and/or other appropriate enforcement action by the Department.

5. There shall be no increase in the volume or strength of the waste being treated by the disposal system except within design limits covered by the plans and specifications approved by the Department. No extension or modification of the disposal system may be made without the issuance of a new permit.

6. This permit may be revoked or modified whenever it is necessary, in the opinion of the Department, to prevent or abate pollution of any waters of the State.

7. Nothing herein contained shall be construed as releasing the permittee from any liability for damage to persons or property by reason of the installation, maintenance, or operation of the disposal system.

8. This permit is issued in reliance upon the statements and representations made in the application and the plans and specifications and the Department has no responsibility for the adequacy or proper functioning of the disposal system.

9. See next sheet.

ATTEST:

DEPARTMENT OF POLLUTION CONTROL & ECOLOGY

Director

By _____

Chairman

(Continued)

9. To construct and operate a wastewater disposal system consisting of a 290 million gallon collection surge pond, a 270 million gallon clean water holding pond, 5,000 gpm tower blowdown to Arkansas River and 8,000 gpd extended aeration sewage treatment unit, all to serve two 800 MW coal-fired White Bluff electric generating units.

10. Final plans and specifications for wastewater treatment facilities must be approved by the Department of Pollution Control and Ecology before actual construction.

11. Cooling tower blowdown flow, temperature, and pH are to be measured at the cold side discharge from the cooling tower. Daily record of flow, condenser intake temperatures and pH recorders (or equivalent methods) will compile the required record. Maximum temperature of blowdown effluent shall not exceed 95°F and maximum flow of blowdown effluent shall not exceed 5,000 gpm.

12. Flow measurements of water usage from the Arkansas River and from deep wells shall be determined from the appropriate pump operating logs and pump calibrations, and a daily record shall be maintained.

13. The stream monitoring program described in the "White Bluff Steam Electric Station Environmental Monitoring Program" attached hereto shall be implemented, with the following modifications:

- a. Bi-weekly samples shall be taken at the stream monitoring stations and at the effluent to be analyzed for the following parameters:

pH	Suspended Solids
Dissolved Oxygen	Total Dissolved
Temperature (air & water)	Solids
Total Alkalinity	Specific Conductance
Settleable Solids	Turbidity
Sulfate Chloride	Phosphorus

- b. Results of water quality data obtained shall be submitted to the Department quarterly. Frequency of sampling and parametric coverage shall be reviewed periodically and modified as appropriate, after at least one summer season of plant operation (July, August, September).