

STATE CONSTRUCTION PERMIT
Permit Number: AR0037451C

TO:

Consulting Engineer:

Entergy Arkansas, Inc.
Independence Plant
555 Point Ferry Road
Newark, AR 72562

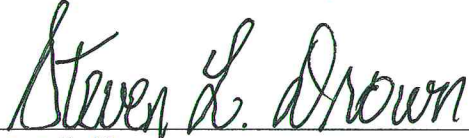
Rex Robbins, P.E.
FTN Associates, Ltd.
3 Innwood Circle, Suite 220
Little Rock, AR 72211

This permit is your authority to construct a water neutralization treatment system in accordance with the permit application and plans and specifications which were received on 6/7/2011. This permit is issued subject to the provisions of the Arkansas Water and Air Pollution Control Act (Ark. Code Annotated § 8-4-101 et seq.), and the following terms and conditions:

1. The treatment system shall be constructed in accordance with the final plans and specifications as approved by the Arkansas Department of Environmental Quality (ADEQ). In case any statement or representation in the aforementioned documents is found to be incorrect, this Approval may be revoked.
2. Within thirty (30) days of completion of construction, a Professional Engineer (PE) registered in Arkansas shall submit written certification to the Department (Permits Branch of the Water Division) that the facility has been constructed in accordance with the approved plans and specifications.
3. This permit is issued in reliance upon the statements and representations made in the application and the plans and specifications. Issuance of a State Construction Permit does not guarantee satisfactory operation of the treatment system. The permittee shall ensure that water quality standards are not violated. Any modifications to the treatment facility necessary to meet water quality standards are the responsibility of the permittee and would require a modification to this State Construction Permit.
4. A State Construction Permit for a new wastewater treatment system does not constitute an NPDES permit.
5. A complete "Operations and Maintenance (O&M) Manual" of the wastewater treatment system shall be developed by the engineering consultant for the operator's use before the treatment system is placed in operation.
6. If the construction site will disturb in excess of one (1) acre, the permittee must comply with the terms of the Stormwater Construction General Permit Number ARR150000 prior to the start of construction.
7. This facility is located as follows: Latitude: 35° 40' 48" Longitude: 91° 24' 08"; on State Highway 69 approximately 1 mile east of the intersection of Highway 122 and Highway 69 in Independence County, Arkansas.
8. The receiving waters named: White River in Segment 4F of the White River Basin. The outfall is located at the following coordinates: Outfall 001: Latitude: 35° 40' 16"; Longitude: 91° 24' 14".

9. Proposed Construction will include a new water neutralization treatment system consisting of a mixing tank, recirculation pumps, blowers, pH control system, and associated piping to be tied in to existing piping to recycle pond. This neutralization system will treat regeneration water that is discharged from the existing boiler feedwater ion-exchange treatment system.
10. Failure to begin construction within one (1) year of the effective date may result in termination of this permit if a request for an extension is not submitted to the Department in a timely manner.

Effective Date: September 16, 2011



Steven L. Drown

Chief, Water Division

Arkansas Department of Environmental Quality



Issue Date

STATEMENT OF BASIS

For issuance of a State Construction Permit Number AR0037451C.

The issuing office is:

Arkansas Department of Environmental Quality
5301 Northshore Drive
North Little Rock, Arkansas 72118

The applicant is:

Entergy Arkansas, Inc.
Independence Plant
555 Point Ferry Road
Newark, AR 72562

1. CONSTRUCTION PERMITTING AUTHORITY

This permit is your authority to construct a water neutralization treatment system in accordance with the permit application and plans and specifications which were received on 6/7/2011. This permit is issued subject to the provisions of the Arkansas Water and Air Pollution Control Act (Ark. Code Annotated § 8-4-101 et seq.) and Section 6.202 of Arkansas Pollution Control and Ecology Commission (APCEC) Regulation No. 6.

2. DISCLAIMER

This permit is issued in reliance upon the statements and representations made in the application and the plans and specifications. Issuance of a State Construction Permit does not guarantee satisfactory operation of the treatment system. The permittee shall ensure that water quality standards are not violated. Any modifications to the treatment system necessary to meet water quality standards are the responsibility of the permittee and would require a modification to this State Construction Permit.

A State Construction Permit for a new treatment system does not constitute an NPDES permit.

3. CONSTRUCTION PROPOSED IN APPLICATION

The following is a general description of the construction to be permitted, as described in the construction permit application. The proposed construction will include a new water neutralization treatment system consisting of a mixing tank, recirculation pumps, blowers, pH control system, and associated piping to be tied in to existing piping to recycle pond. This neutralization system will treat regeneration water that is discharged from the existing boiler feedwater ion-exchange treatment system.

4. RECEIVING STREAM SEGMENT AND DISCHARGE LOCATION

The receiving waters are named: White River in Segment 4F of the White River Basin. The outfall is located at the following coordinates: Outfall 001: Latitude: 35° 40' 16"; Longitude: 91° 24' 14".

5. CONTACT PERSON

The ADEQ contact person for submitting written comments, requesting information, or obtaining copies of the application, permit, and the Statement of Basis is:

Shane Byrum
NPDES Branch, Water Division
Arkansas Department of Environmental Quality
5301 Northshore Drive
North Little Rock, Arkansas 72118-5317
(501) 682-0618