

STATE CONSTRUCTION PERMIT

Permit Number: AR0051136C

TO:

Consulting Engineer:

Southwestern Electric Power Company
John W. Turk, Jr. Power Plant
2400 FM 3251
Hallsville, TX 75650

American Electric Power
1201 Elm Street
Suite 800
Dallas, TX 75270

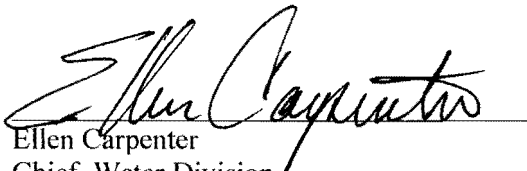
This permit is your authority to modify the wastewater treatment system in accordance with the permit application and plans and specifications which were received on 9/10/2013 under authority of the Arkansas Water and Air Pollution Control Act (Arkansas Code Annotated §8-4-101 et seq. and Arkansas Code Annotated §8-4-201 et seq.) and the following terms and conditions.

1. The treatment system shall be modified 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. There should be no deviation from the approved plans and specifications unless the revisions have been submitted for review and written approval is received.
3. 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 or modified in accordance with the approved plans and specifications.
4. 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.
5. A State Construction Permit for a modification of an existing wastewater treatment facility does not constitute an NPDES permit. Issuance of a State Construction Permit for construction or modification of a treatment system in no way guarantees or assumes that an application for an NPDES permit to operate the system will be approved or an NPDES permit will be issued.
6. 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 plant is in operation.
7. 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. Best Management Practices (BMPs) must be in place regardless of the size.
8. This facility is located as follows: Latitude: 33° 38' 45.3" Longitude: 93° 49' 45.3"; exit 18 off of I-30 at Fulton, then north on Red Lake Road go 0.1 miles, west on US 67 go 0.6 miles, north on Hwy 355 go 6 miles to plant gate on right in Hempstead County, Arkansas.

9. The receiving waters named: Little River, thence to the Red River in Segment 1C of the Red River Basin. The outfall is located at the following coordinates: Outfall 001: Latitude: 33° 37' 8.3"; Longitude: 93° 50' 47.4".
10. The construction will include the following:
 1. Addition of valves and piping enabling the facility to route intake water from the Little River to either the make-up water pond (as currently configured) or directly into the intake water treatment system.
 2. Addition of a vehicle washing station located in the bottom ash bunker area which will drain to the process water pond.
 3. Addition of a vehicle washing station located in the coal yard area which will drain to the existing oil/water separator #2 and then to the coal pile runoff pond.
 4. Addition of two (2) Lamella (inclined plate) clarifiers with associated solids thickener, filter press, and flocculent mixing tanks, and a multi-media filtration unit with associated valves and piping for additional treatment of water routed from process water pond to wastewater pond (via existing internal outfall 101), coal pile runoff pond to make-up water pond (via existing internal outfall 201), or from process water pond to make-up water pond (via new internal outfall 301).
 5. Addition of valves and piping enabling the facility to route wastewater from the intake water pre-treatment system to the wastewater pond (via new internal outfall 401).
 6. Addition of valves and piping enabling the facility to route water from the landfill leachate pond to the make-up water pond (via new internal outfall 501) or from the landfill leachate pond to the wastewater pond (via new internal outfall 601).

No changes to the existing design flow from the existing treatment system is occurring with the above listed items. The existing treatment system is: two (2) oil/water separators, 6.3 MG process water pond, 16.3 MG coal pile runoff pond, 8.9 MG landfill leachate pond, 161.5 MG make-up water pond, sanitary wastewater force main with 3 pump stations to the City of Fulton wastewater treatment facility, and a 8.7 MG wastewater pond with a design flow of 2.16 MGD.

Effective Date: April 1, 2014


Ellen Carpenter
Chief, Water Division
Arkansas Department of Environmental Quality

03/24/14
Issue Date

STATEMENT OF BASIS

For a final State Construction Permit Number AR0051136C.

The issuing office is:

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

The applicant is:

Southwestern Electric Power Company
John W. Turk, Jr. Power Plant
2400 FM 3251
Hallsville, TX 75650

1. BASIS FOR PERMIT AND CONDITIONS

This permit is your authority to modify the wastewater treatment system in accordance with the permit application and plans and specifications which were received on 9/10/2013. The issuance of the permit and conditions are based on the Arkansas Water and Air Pollution Control Act (Arkansas Code Annotated §8-4-101 et seq. and Arkansas Code Annotated §8-4-101 et seq.), Arkansas Pollution Control and Ecology Commission (APCEC) Regulation No. 6.202, NPDES Discharge permit AR0051136, and 40 CFR 122.26.

Specific permit conditions and their sources are listed as follows:

Conditions 1, 2, 3, 4, 5, 6, 8, and 9 are self-explanatory. Condition 7 is based on 40 CFR 122.26(b)(15). Condition 10 is based on the submitted application package and engineering plans and specifications.

2. SOURCES

1. Application Form 1 received on 9/10/2013 with Attachments 1 through 7.
3. APC&EC Reg. 6, Reg. 8, and Reg. 9.
4. A.C.A. §8-4-217(b)(1)(C).
5. 40 CFR 122.26.
6. Email dated 1/8/2014 from Frank Mills (AEP) to Shane Byrum (ADEQ) containing statement that process water pond interceptor basins are being withdrawn from application.
7. P.E. stamped plans for Lamella filters and multimedia filters received on 1/13/2014 as attachment to email.

4. **CONTACT PERSON**

The ADEQ contact person for 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