

STATE CONSTRUCTION PERMIT

Permit Number: AR0051136C1

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 November 19, 2014, with additional information received on December 1, 2014, December 15, 2014, March 17, 2015, and April 23, 2015, 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 complete "Operations and Maintenance (O&M) Manual" of the wastewater treatment system shall be updated by the engineering consultant for the operator's use before the plant is in operation. The updates should include, but not be limited to, procedures for the removal of solids from the ponds when necessary and verifying the integrity of the pond liner.
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. Best Management Practices (BMPs) must be implemented regardless of the size.
7. 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 0.1 mile north on Red Lake Road, then 0.6 mile west on US 67, then 6 miles north on Hwy 355 to plant gate on right in Hempstead County, Arkansas.

8. The receiving waters named:

Outfall 001: the Little River, thence to the Red River in Segment 1C of the Red River Basin.

Outfall 002: an unnamed tributary of Bridge Creek, thence to Bridge Creek, thence to the Red River in Segment 1C of the Red River Basin.

The outfalls are located at the following coordinates:

Outfall 001:	Latitude: 33° 36' 56.4";	Longitude: 93° 50' 54.8"
Outfall 002:	Latitude: 33° 39' 02.4";	Longitude: 93° 48' 11.0"
Internal Outfall 101:	Latitude: 33° 38' 59.0";	Longitude: 93° 48' 37.5"
Internal Outfall 201:	Latitude: 33° 38' 58.6";	Longitude: 93° 48' 38.9"
Internal Outfall 301:	Latitude: 33° 38' 58.6";	Longitude: 93° 48' 38.9"
Internal Outfall 401:	Latitude: 33° 39' 00.0";	Longitude: 93° 48' 37.6"
Internal Outfall 501:	Latitude: 33° 38' 24.3";	Longitude: 93° 48' 47.1"
Internal Outfall 601:	Latitude: 33° 38' 24.3";	Longitude: 93° 48' 47.1"

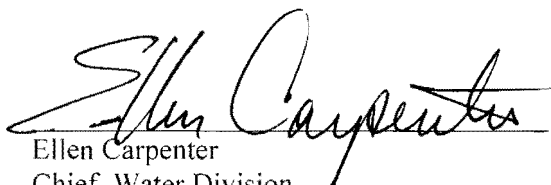
9. The construction will include the following:

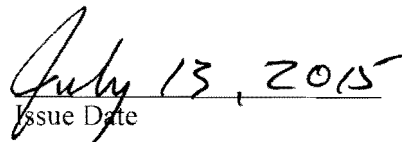
- 1) Installation of two (2) 4 million gallons (MG) storage tanks and associated pumps/piping for additional storage capacity for the coal pile runoff pond.
- 2) Installation of a berm wall inside of the process water pond in order to enhance the settling of solids.
- 3) Installation of a berm wall inside of the coal pile runoff pond in order to enhance the settling of solids.
- 4) Installation of a rectangular metal weir on top of the existing concrete weir for the coal pile runoff pond in order to increase the storage capacity of the subject pond.

No changes to the existing design flow from the existing treatment system are 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 three (3) pump stations to the City of Fulton wastewater treatment plant, and a 8.7 MG wastewater pond with a design flow of 2.16 MGD.

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: August 1, 2015


Ellen Carpenter
Chief, Water Division
Arkansas Department of Environmental Quality


Issue Date

FINAL STATEMENT OF BASIS

For a State Construction Permit Number AR0051136C1.

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 November 19, 2014, with additional information received on December 1, 2014, December 15, 2014, March 17, 2015, and April 23, 2015. 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 §8-4-201 et seq.), Arkansas Pollution Control and Ecology Commission (APCEC) Regulation No. 6.202, NPDES Discharge Permit AR0051136C1, and 40 CFR §122.26.

Specific permit conditions and their sources are listed as follows:

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

2. SOURCES

1. Application Form 1 and Plans and Specifications dated November 19, 2014, with additional information received on December 1, 2014, December 15, 2014, March 17, 2015, and April 23, 2015.
2. APCEC Regulation No. 6 which incorporates by reference certain federal regulations included in Title 40 of the Code of Federal Regulations at Reg. 6.104.
3. APCEC Reg. 8 and Reg. 9
4. Ark. Code Ann. §8-4-217(b)(1)(C)
5. 40 CFR §122.26
6. *Recommended Standards for Wastewater Facilities*, also known as 10 States Standards, 2004 Edition.

3. 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:

Adam Yates
NPDES Branch, Water Division
Arkansas Department of Environmental Quality
5301 Northshore Drive
North Little Rock, Arkansas 72118-5317
(501) 682-0617