

STATE CONSTRUCTION PERMIT
Permit Number: AR0000531C

Permittee:

Elemental Environmental Solutions LLC
500 East Reynolds Road
Gum Springs, AR 71923

Consulting Engineer:

Rod Breuer, P.E.
13000 Cantrell Road
Little Rock, AR 72223

This permit allows the permittee listed above to modify the wastewater treatment system in accordance with the permit application and plans and specifications which were received on October 20, 2022, and all additional information received by February 17, 2023, 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 submitted to the Division of Environmental Quality (DEQ). In case any statement or representation in the aforementioned documents is found to be incorrect, this approval may be revoked.
2. There shall be no deviation from the permitted plans and specifications unless the revisions have been submitted for review and written approval is received.
3. Within thirty (30) days of completion of the construction the permittee shall submit a Notice of Completion of Construction to the Division (Permits Branch of the Office of Water Quality) that the facility has been modified in accordance with the approved plans and specifications. The certification shall be signed by the Responsible Official as well as stamped and signed by a Professional Engineer (P.E.) licensed in the state of Arkansas. The Notice of Completion of Construction form is located at the following web link:

<https://www.adeg.state.ar.us/water/permits/npdes/individual/pdfs/state-construction-permit-completion-of-construction.pdf>

4. This permit is issued in reliance upon the statements and representations made in the application and the plans and specifications. Issuance of this State Construction Permit does not guarantee satisfactory performance 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 the modification of an existing wastewater treatment facility does not constitute an NPDES permit. Issuance of a State Construction Permit for 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 updated by the facility consultant for the operator's use before the plant is in operation.
7. 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 Division in a timely manner.
8. The permittee must submit notification of the start of construction within fifteen (15) days after construction has begun.

9. If a construction site will disturb greater than or equal to one (1) acre and less than five (5) acres, the permittee shall comply with the requirements in APC&EC Rule 6.203 for Stormwater discharge associated with a small construction site, as defined in APC&EC Rule 6. If the construction site will disturb five (5) acres or more, the permittee shall comply with the terms of the Stormwater Construction General Permit Number ARR150000 prior to the start of construction. BMPs must be implemented regardless of the size.
10. This facility is located as follows: Latitude: 34° 03' 53.51" N; Longitude: 93° 04' 55.93" W in Clark County, Arkansas.
11. The receiving waters for this facility are the Ouachita River in Segment 2F of the Ouachita River Basin. The outfall is located at the following coordinates: Outfall 003: Latitude: 34° 05' 10" N; Longitude: 93° 02' 07" W.
12. The construction will include addition of an 11.9-acre, 60-mil HDPE-lined runoff storage pond to collect stormwater runoff from portions of the inactive landfill before being pumped to existing sedimentation Pond P002. The pond will have a variable design flow. The existing treatment system consists of 2 sedimentation ponds (P002 and P004) with pH adjustment of discharge flow from P004 (as needed), with a variable design flow.
13. The 60-mil HDPE liner runoff storage pond liner must be vented, in accordance with the plans and specifications.

Effective Date: July 1, 2023

Alan J. York
Associate Director, Office of Water Quality
Arkansas Department of Energy and Environment
Division of Environmental Quality

06/28/2023

Issue Date

STATEMENT OF BASIS

For State Construction Permit Number AR0000531C.

The issuing office is:

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

The applicant is:

Elemental Environmental Solutions LLC
500 East Reynolds Road
Gum Springs, AR 71923

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 October 20, 2022, and all additional information received by February 17, 2023. The issuance of this 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 (APC&EC) Rule 6.202, NPDES Discharge Permit No. AR0000531 and 40 C.F.R. § 122.26.

Specific permit conditions and their sources are listed as follows:

Conditions 1, 2, 3, 4, 5, 6, 7, and 8 are self-explanatory. Condition 9 is based on 40 C.F.R. § 122.26. Conditions 10, 11, and 12 are based on the submitted application and Plans and Specifications. Condition 13 is based on Section 93.42 of 2014 Edition of Recommended Standards for Wastewater Facilities (Ten State Standards) and generally accepted scientific knowledge, and engineering practices.

2. PUBLIC NOTICE

The public notice of the draft permit was published for public comment on May 21, 2023. The last day of the comment period was thirty (30) days after the publication date. No public comments were received on the draft permit.

3. PERMIT FEE

In accordance with APC&EC Rule 9.402(A), the fee for issuance of a state construction permit is \$500.

4. SOURCES

1. Application Form 1 and Plans and Specifications dated October 20, 2022, with all additional information received by February 17, 2023.
2. 2014 Edition of Recommended Standards for Wastewater Facilities (Ten State Standards).
3. APC&EC Rules 6, 8, and 9.
4. A.C.A. § 8-4-217(b)(1)(C).
5. 40 C.F.R. § 122.26.

5. CONTACT PERSON

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

Guy Lester, P.E.
NPDES Branch, Office of Water Quality
Division of Environmental Quality
5301 Northshore Drive
North Little Rock, Arkansas 72118-5317
(501) 519-0304