

STATE CONSTRUCTION PERMIT
Permit Number: AR0000752C

Permittee:

El Dorado Chemical Company
4500 North West Avenue
El Dorado, AR 71730

Consulting Engineer:

Amanda Gallagher, P.E.
Alliance Technical Group
219 Brown Lane
Bryant, AR 72022

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 June 11, 2024, with all additional information received by September 10, 2024, 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.adeq.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: 33° 15' 47.28" N; Longitude: 92° 40' 58.75" W in Union County, Arkansas.
11. The receiving waters for this facility are as follows (with the last 3 digits of the assessment unit):
Outfalls 001 and 009: unnamed tributary (716), thence to Haynes Creek (616 & 626), thence to Flat Creek (706), thence to Haynes Creek (906), thence to Smackover Creek (006), thence to the Ouachita River (004) in Segment 2D of the Ouachita River Basin.
Outfalls 002 and 003: unnamed tributary, thence to an unnamed tributary (716), thence to Haynes Creek (616 & 626), thence to Flat Creek (706), thence to Haynes Creek (906), thence to Smackover Creek (006), thence to the Ouachita River (004) in Segment 2D of the Ouachita River Basin
Outfalls 006 and 007: unnamed tributary (726), thence to Haynes Creek (626), thence to an unnamed tributary of Flat Creek (626), thence to Flat Creek (706), thence to Haynes Creek (906), thence to Smackover Creek (006), thence to the Ouachita River (004) in Segment 2D of the Ouachita River Basin.
Outfall 010: via the joint pipeline to the Ouachita River (001) approximately 1.5 miles downstream of the H.K. Thatcher Lock and Dam (at Latitude: 33° 17' 29.5" N; Longitude: 92° 28' 10.9" W) in Segment 2D of the Ouachita River Basin.

The outfalls are located at the following coordinates:

Outfall 001: Latitude: 33° 15' 33.8" N; Longitude: 92° 41' 14.2" W

Outfall 002: Latitude: 33° 15' 45.3" N; Longitude: 92° 41' 20.3" W

Outfall 003: Latitude: 33° 15' 38" N; Longitude: 92° 41' 07" W

Outfall 006: Latitude: 33° 16' 03" N; Longitude: 92° 41' 02" W

Outfall 007: Latitude: 33° 16' 06.3" N; Longitude: 92° 41' 16" W

Outfall 009: Latitude: 33° 16' 06.3" N; Longitude: 92° 41' 27.3" W

Outfall 010: Latitude: 33° 15' 32.6" N; Longitude: 92° 41' 14.4" W (Monitoring outfall at EDCC)

12. The construction will include addition of alkalinity at Lake Lee (associated with Outfall 002), microbes at Lake Kildeer (associated with Outfalls 001, 009, and 010), and the installation of a conditioning tank where chemicals may be added, two activated sludge package plants retrofitted to remove nitrogen biologically using a moving bed biofilm reactor (MBBR) process, and a sludge filter press. The treatment units constructed will treat contaminated stormwater runoff from Pond 004. The treated wastewater will then be routed to the pond associated with Outfall 002. The existing treatment system for Outfalls 001, 009, and 010 consists of pH neutralization, aeration pond, and equalization pond. The existing treatment system at Outfall 002 consists of pH neutralization and aeration pond. Effluent flow volumes will not be affected by the construction activities.

Effective Date: March 20, 2025

Stacie R. Wassell
Associate Director, Office of Water Quality
Arkansas Department of Energy and Environment
Division of Environmental Quality

March 18, 2025

Issue Date

STATEMENT OF BASIS

For State Construction Permit Number AR0000752C1.

The issuing office is:

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

The applicant is:

El Dorado Chemical Company
4500 North West Avenue
El Dorado, AR 71730

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 January 24, 2024. 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 AR0000752 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.

2. PUBLIC NOTICE

In accordance with APC&EC Rule 8, the public notice was published by DEQ in a newspaper of general circulation for one (1) day only on February 2, 2025. The public comment period began on the date of publication and ended thirty (30) days from that date. No comments were received at DEQ prior to the close of the public comment period.

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 June 11, 2024, with all additional information received by September 10, 2024.
2. 2014 Edition of Recommended Standards for Wastewater Facilities (Ten State Standards).
3. APC&EC Rules 6, 8, and 9, now codified at 8 CAR Parts 25, 11, and 12, respectively.
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:

Loretta Carstens, P.E.
NPDES Branch, Office of Water Quality
Division of Environmental Quality
5301 Northshore Drive
North Little Rock, Arkansas 72118-5317
(501) 682-0612