

STATE CONSTRUCTION PERMIT  
Permit Number: AR0000680C

Permittee:

Great Lakes Chemical Corporation - South Plant  
2226 Haynesville Highway  
El Dorado, AR 71730

Consulting Engineer:

John Markey  
8425 Woodfield Crossing Blvd. Suite 560W  
Indianapolis, IN 46240

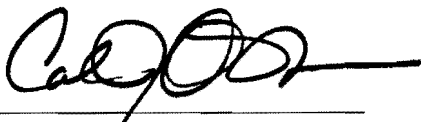
This permit allows the permittee listed above to modify the wastewater treatment system in accordance with the permit application and plans and specifications which were received on March 31, 2017, with all additional information received by May 23, 2017, under authority of the Arkansas Water and Air 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 permit may be revoked.
2. There shall 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 Office of Water Quality) that the facility has been constructed or modified in accordance with the permit application and plans and specifications which were received on March 31, 2017, with all additional information received by May 23, 2017.
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 modification of an existing wastewater treatment facility does not constitute an NPDES permit. Issuance of this 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 engineering consultant for the operator's use before the plant is in operation.
7. If a construction site will disturb equal to or greater than one (1) acre and less than five (5) acres, the permittee shall comply with the requirements in Reg. 6.203 for Stormwater discharge associated with a small construction site, as defined in APC&EC Regulation No. 6. If the construction site will disturb five (5) acres or more, the permittee shall comply with the terms of the Stormwater

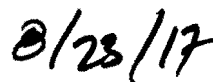
Construction General Permit Number ARR150000 prior to the start of construction. BMPs must be implemented regardless of the size.

8. This facility is located as follows: Latitude: 33° 06' 36.64" Longitude: 92° 40' 22.57"; approximately 7 miles south of El Dorado on the west side of U.S. Highway 167 in Union County, Arkansas. The receiving waters for this facility are 001 - Gum Creek, thence to Bayou de Loutre; 002 - Walker Creek, thence to Little Cornie Bayou; and 003 - Walker Creek, thence to Little Cornie Bayou in Segment 2E of the Ouachita River Basin. The outfalls are located at the following coordinates: Outfall 001: Latitude: 33° 06' 56"; Longitude: 92° 40' 25"; Outfall 002: Latitude: 33° 06' 36"; Longitude: 92° 40' 43"; and Outfall 003: Latitude: 33° 06' 35"; Longitude: 92° 40' 38".
9. The construction will include the installation of two constructed wetlands. One will be approximately 1.17 acres and associated with Outfall 001. The second one will be approximately 0.55 acres and associated with Outfall 002. The current treatment for Outfalls 001 and 002 is a sedimentation pond for each outfall. No construction activity will be associated with the sanitary sewer WWTP associated with Outfall 003.
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.
11. The permittee must submit notification of the start of construction within fifteen (15) days after construction has begun.

Effective Date: August 24, 2017



Caleb J. Osborne  
Associate Director, Office of Water Quality  
Arkansas Department of Environmental Quality



Issue Date

## STATEMENT OF BASIS

For State Construction Permit Number AR0000680C.

The issuing office is:

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

The applicant is:

Great Lakes Chemical Corporation - South Plant  
2226 Haynesville Highway  
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 March 31, 2017, with all additional information submitted by May 23, 2017. 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 §8-4-101 et seq.), Arkansas Pollution Control and Ecology Commission (APC&EC) Regulation No. 6.202, NPDES Discharge permit AR0000680, and 40 CFR 122.26.

Specific permit conditions and their sources are listed as follows:

Conditions 1, 2, 3, 4, 5, 6, 8, 9, 11, and 12 are self-explanatory. Condition 7 is based on 40 CFR 122.26(b)(15). Condition 10 is based on submitted application and Plans and Specifications. Condition 14 is based on Reg. 6.202(A).

### 2. SOURCES

1. Application Form 1 and Plans and Specifications dated March 31, 2017, with all additional information submitted by May 23, 2017.
2. APC&EC Reg. 6, Reg. 8, and Reg. 9.
3. A.C.A. §8-4-217(b)(1)(C).
4. 40 CFR 122.26.

**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:

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