

STATE CONSTRUCTION PERMIT

Permit Number: AR0052582C

Permittee:

Big River Steel LLC
P.O. Box 707
Osceola, AR 72370

Consulting Engineer:

David Carstens
Harbor Environmental and Safety
5800 Evergreen Drive
Little Rock, AR 72205

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 30, 2019, 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 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 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 Department (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. 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 Regulation No. 6.203 for Stormwater

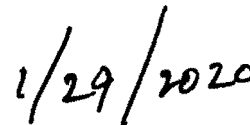
discharge associated with a small construction site, as defined in APC&EC Regulation No. 6. If the construction site will disturb five (5) acres or more, the permittee shall comply with the terms of the Stormwater Construction General Permit Number ARR150000 prior to the start of construction. BMPs must be implemented regardless of the size.

8. This facility is located as follows: Latitude: 35° 39' 14.43" N; Longitude: 89° 57' 15.78" W in Mississippi County, Arkansas. From Osceola, travel south on US-61, turn left on State Hwy 198, and travel east about 2 miles to the facility.
9. The receiving water for this facility for Outfalls 001 and 002 is the Mississippi River in Segment 6C of the Mississippi River Basin. The outfalls are located at the following coordinates: Outfall 001: Latitude: 35° 39' 05" N; Longitude: 89° 54' 47.0" W; Outfall 002: Latitude: 35° 39' 05" N; Longitude: 89° 54' 47.1" W.
10. The construction will include improvements to the existing wastewater treatment system to increase the design flow rate of the facility to 2.853 MGD at Outfall 001. The improvements will include construction of new emulsion tanks to replace the existing oil/water separation process, installation of additional treatment tanks and basins for wastewater homogenization and flow equalization, installation of new DAF units for the existing metals removal process, installation of a new clarifier and press plate filter for solids separation and dewatering, construction of a sludge dewatering area, and upgrades to the existing clarifier, aeration basin, and sand filters. The existing treatment system includes Pretreatment: (oily wastewater) settling basin for oil and water separation using pH adjustment, dissolved air flotation, and oil skimmer, (chromate-contaminated wastewater) chromium reactor tank using pH adjustment and redox reaction; and Primary Treatment (all process wastewater, which includes pretreated wastewater): settling basin for homogenization of all process wastewater streams using pH adjustment and precipitation, coagulation-flocculation and sedimentation using thickener to separate solids, aeration basin and sand filtration for removal of remaining suspended solids, dewatering separated solids using press plate filter with a design flow of 1.15 MGD at Outfall 001.
11. 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.
12. The permittee must submit notification of the start of construction within fifteen (15) days after construction has begun.

Effective Date: February 1, 2020



Robert E. Blanz, Ph.D., P.E.
Associate Director, Office of Water Quality
Arkansas Department of Environmental Quality



Issue Date

FINAL STATEMENT OF BASIS

For a State Construction Permit Number AR0052582C

The issuing office is:

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

The applicant is:

Big River Steel LLC
P.O. Box 707
Osceola, AR 72370

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 30, 2019, with additional information received November 5, 2019. 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) Regulation No. 6.202, NPDES Discharge Permit AR0052582, and 40 CFR §122.26.

Specific permit conditions and their sources are listed as follows:

Conditions 1, 2, 3, 4, 5, 6, 11, and 12 are self-explanatory. Condition 7 is based on 40 CFR Part 122.26. Conditions 8, 9, and 10 are based on the submitted application and Plans and Specifications.

2. PUBLIC NOTICE

In accordance with APC&EC Regulation No. 8, the public notice was published in a newspaper of general circulation for public comment December 26, 2019. The last day of the comment period was January 27, 2020. No public comments were received on the draft permit.

3. PERMIT FEE

In accordance with APC&EC Regulation No. 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 30, 2019, with additional information received November 5, 2019.
2. 2014 Edition of Recommended Standards for Wastewater Facilities (Ten State Standards).
3. APC&EC Regulation Nos. 6, 8, and 9.
4. A.C.A. §8-4-217(b)(1)(C).
5. 40 CFR §122.26.

5. 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:

Terry Liu, P.E.
NPDES Branch, Office of Water Quality
Arkansas Department of Environmental Quality
5301 Northshore Drive
North Little Rock, Arkansas 72118-5317
(501) 682-0653