

STATE CONSTRUCTION PERMIT
Permit Number: AR0001899C

TO:

Unimin Corporation - Guion Facility
P.O. Box 29
Guion, AR 72540-0029

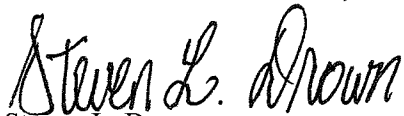
This permit is your authority to construct the wastewater treatment system in accordance with the permit application and plans and specifications that were received on 9/3/2009 with all addition information received by 2/2/2010. This permit is issued subject to the provisions of the Arkansas Water and Air Pollution Control Act (Act 472 of 1949, as amended, Ark. Code Annotated § 8-4-101 et seq.), and the following terms and conditions:

1. The treatment system shall be constructed 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. Within thirty (30) days of completion of construction, a Professional Engineer (PE) registered in Arkansas shall submit written certification to the Department (Permit Section of the Water Division) that the facility has been constructed or modified in accordance with the approved plans and specifications.
3. 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.
4. A State Construction Permit for a new wastewater treatment facility or a modification of an existing wastewater treatment facility does not constitute an NPDES permit.
5. A complete "Operations and Maintenance (O&M) Manual" of the wastewater treatment system shall be developed for the operator's use before the plant is in operation.
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.
7. This facility is located as follows: Latitude: 35° 55' 28.14" Longitude: 91° 56' 24.47"; north of the White River and east of Highway 58 at the east end of Main Street in IZARD County, Arkansas.
8. The receiving waters named: Outfall 001 - Latitude: 35° 55' 14"; Longitude: 91° 56' 34"; Rocky Bayou, thence to the White River; Outfall 009: Latitude: 35° 54' 23" Longitude: 91° 55' 28"; backwater slough of the White River, thence to the White River; Outfall 010 - Latitude: 35° 55' 32"; Longitude: 91° 56' 11"; unnamed tributary of the White River, thence to the White River; and Outfall 011 - Latitude: 35° 54' 32.5"; Longitude: 91° 56' 37.8"; backwater slough of the White River, thence to the White River in Segment 4F of the White River Basin.

9. Proposed Construction will include a tailings pond (Pond T) with a capacity of approximately 63,625,900 gallons, excluding two feet of freeboard. The pond will be lined with tailings as it is filled with process wastewater. Outfall 009 will be replaced by Outfall 011 once construction of the new pond is completed.
10. Pond T must have a pond bottom liner with a permeability of less than 1×10^{-7} cm/sec and a thickness of at least 1 foot or equivalent before the start of operation in accordance with letters dated 11/09/2009 and 03/08/2010 which were submitted by the permittee.

Issue Date: February 28, 2011

Effective Date: March 1, 2011



Steven L. Drown

Chief, Water Division

Arkansas Department of Environmental Quality