

STATE CONSTRUCTION PERMIT
Permit Number: AR0021482C

TO:

City of Van Buren - Main Plant
P.O. Box 1269
Van Buren, AR 72957

Consulting Engineer:

Hawkins-Weir Engineers, Inc.
P.O. Box 648
Van Buren, AR 72957-0648

This permit is your authority to construct or modify the wastewater treatment system in accordance with the permit application and plans and specifications which were received on 10/31/2007 with all additional information received by 12/05/2007. 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:

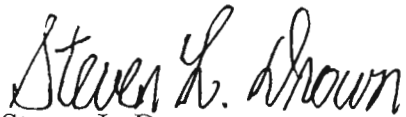
1. The permittee shall **notify** the Department when construction **begins**. The treatment/disposal system shall be constructed or modified in accordance with the final plans and specifications as approved by the Arkansas Department of Environmental Quality (ADEQ). In case any statement or representation in the aforementioned documents is found to be incorrect, this 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 (Enforcement 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. The Department has no responsibility for adequacy or proper functioning of the disposal system. Approval of the plans and specifications by the Department does not constitute assurance that the disposal system will achieve the effluent limitations required by the final NPDES discharge permit, or that a NPDES discharge permit will be issued.
4. If the construction site will disturb in excess of one (1) acre, the permittee must comply with the terms of ARR150000 prior to the start of construction.
5. This facility is located as follows: Latitude: 35° 25' 9.04" Longitude: 94° 20' 19.35"; approximately 1/2 mile south of I-540 overpass off Highway 59 South in Section 31, Township 9 North, Range 31 West in Crawford County, Arkansas.
6. The receiving waters named: Arkansas River in Segment 3H of the Arkansas River Basin. The outfall is located at the following coordinates: Outfall 001: Latitude: 35° 25' 3.27"; Longitude: 94° 20' 27.18".
7. Proposed Construction will include a new screening unit, two new 60' diameter secondary clarifiers, UV disinfection unit, flow monitoring equipment, and standby power source. The

existing aerated lagoon will be modified to an activated sludge unit consisting of two aerated basins (combined surface area of 56,292 square feet), aerobic sludge storage (surface area of 46,354 square feet), and an equalization basin (surface area 167,777 square feet). The existing screening unit and the chlorine disinfection unit will both be taken out of service. Existing treatment consists of a screening unit, 4-cell aerated lagoon system with chlorine disinfection and dechlorination. The design flow will be increasing to 4.0 MGD from 3.1 MGD upon completion of construction and the modifications.

8. The permittee must continue to use chlorine disinfection until the discharge permit has been modified to allow for the operation of the UV disinfection unit.

Issue Date: February 21, 2008

Effective Date: February 21, 2008



Steven L. Drown

Chief, Water Division

Arkansas Department of Environmental Quality

STATEMENT OF BASIS

for issuance of State Construction Permit Number AR0021482C.

The issuing office is:

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

The applicant is:

City of Van Buren - Main Plant
P.O. Box 1269
Van Buren, AR 72957

1. CONSTRUCTION PERMITTING AUTHORITY

This permit is your authority to construct or modify the wastewater treatment system in accordance with the permit application and plans and specifications which were received on 10/31/2007. 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 Section 6.202 of Arkansas Pollution Control and Ecology Commission (APCEC) Regulation No. 6.

2. DISCLAIMER

This permit is issued in reliance upon the statements and representations made in the application and the plans and specifications. The Department has no responsibility for adequacy or proper functioning of the disposal system. Approval of the plans and specifications by the Department does not constitute assurance that the disposal system will achieve the effluent limitations required by the final NPDES permit, or that the discharge permit will be issued.

3. CONSTRUCTION PROPOSED IN APPLICATION

The following is a general description of the construction to be permitted, as described in the construction permit application. Proposed construction will include a new screening unit, two new 60' diameter secondary clarifiers, UV disinfection unit, flow monitoring equipment, and standby power source. The existing aerated lagoon will be modified to an activated sludge unit consisting of two aerated basins (combined surface area of 56,292 square feet), aerobic sludge storage (surface area of 46,354 square feet), and an equalization basin (surface area 167,777 square feet). The existing screening unit and the chlorine disinfection unit will both be taken out of service. Existing treatment consists of a screening unit, 4-cell aerated lagoon system with chlorine disinfection and dechlorination. The design flow will be increasing to 4.0 MGD from 3.1 MGD upon completion of construction and the modifications.

The permittee must continue to use chlorine disinfection until the discharge permit has been modified to allow for the operation of the UV disinfection unit. This condition has been added to the permit because the TSS limit in the permittee's current NPDES permit is 90 mg/l and the UV disinfection will not function properly at that level.

4. **RECEIVING STREAM SEGMENT AND DISCHARGE LOCATION**

The receiving waters are named: Arkansas River in Segment 3H of the Arkansas River Basin. The outfall is located at the following coordinates: Outfall 001: Latitude: 35° 25' 3.27"; Longitude: 94° 20' 27.18".

5. **PUBLIC NOTICE**

In accordance with Arkansas Pollution Control and Ecology Commission (APCEC) Regulation No. 8, the public notice will be published by ADEQ in a newspaper of general circulation for one (1) day only. The public comment period will begin on the date of publication and will end no sooner than 30 days from that date. Comments must be received at ADEQ prior to the close of the public comment period.

6. **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, Water Division
Arkansas Department of Environmental Quality
5301 Northshore Drive
North Little Rock, Arkansas 72118-5317
(501) 682-0622