

ADEQ

ARKANSAS
Department of Environmental Quality

MAR 07 2018

Honorable James Sanders
City of Blytheville - West Treatment Facility
P.O. Box 1784
Blytheville, AR 72316

RE: NPDES Permit Number AR0022560, AFIN 47-00544

Dear Mayor Sanders:

During a review of the subject NPDES Permit, the Department noted that revisions were required. In accordance with 40 CFR 122.63(a), the Department has made the following change to the permit.

- Acute WET testing has been removed from the permit. This was added as a typographical error since the Fact Sheet does not list this as a change to the permit, nor is the change discussed anywhere else in the permit or Fact Sheet.

Please replace the original pages with the enclosed modified pages. If you have any questions concerning this matter or need additional information, please feel free to contact Blake Ahrendsen, of my staff, at (501) 682-0626.

Sincerely,



Bryan Leamons, P.E.
Senior Operations Manager
Office of Water Quality

BL:ba

Enclosure

cc: David Ramsey, ICIS Program Coordinator, Enforcement Branch
Jason Bolenbaugh, Branch Manager, Field Services Branch
Central File

**AUTHORIZATION TO DISCHARGE WASTEWATER UNDER
THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM AND
THE ARKANSAS WATER AND AIR POLLUTION CONTROL ACT**

In accordance with the provisions of the Arkansas Water and Air Pollution Control Act (Ark. Code Ann. 8-4-101 et seq.), and the Clean Water Act (33 U.S.C. § 1251 et seq.),

City of Blytheville - West Treatment Facility

is authorized to discharge treated municipal wastewater from a facility located as follows: 4952 N.C.R. 635, Blytheville, AR 72315, from the intersection of AR Hwy. 18 and AR Hwy. 151, west on AR Hwy. 151 approximately 1.2 miles, then south on N.C.R. 635 approximately 0.5 miles, the facility is on the right in Mississippi County, Arkansas. The applicant's mailing address is: P.O. Box 1784, Blytheville, AR 72316.

Facility Coordinates: Latitude: 35° 56' 05.46" N; Longitude: 89° 56' 33.53" W

Receiving stream: Ditch No. 27, then to the Left Hand Chute of the Little River, then to the St. Francis River in Segment 5C of the St. Francis River Basin.

The permitted outfall is located at the following coordinates:

Outfall 001: Latitude: 35° 56' 5.7" N; Longitude: 89° 56' 32.3" W

Discharge shall be in accordance with effluent limitations, monitoring requirements, and other conditions set forth in this permit. Per Part III.D.10, the permittee must re-apply 180 days prior to the expiration date below for permit coverage to continue beyond the expiration date.

An ADEQ correction is attached.

Effective Date: November 1, 2016
Minor Modification Date: March 6, 2018
Expiration Date: October 31, 2021



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



Issue Date

**PART I
PERMIT REQUIREMENTS**

SECTION A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS: OUTFALL 001- treated municipal wastewater.

During the period beginning on the effective date and lasting until the date of expiration, the permittee is authorized to discharge from Outfall 001. Such discharges shall be limited and monitored by the permittee as specified below as well as Parts II and III. See Part IV for all definitions and calculations.

<u>Effluent Characteristics</u>	<u>Discharge Limitations</u>			<u>Monitoring Requirements</u>	
	Mass (lbs/day, unless otherwise specified)	Concentration (mg/l, unless otherwise specified)		Frequency	Sample Type
		Monthly Avg.	Monthly Avg.		
Flow	N/A	Report, MGD	Report, MGD (Daily Maximum)	once/day	totalizing meter
Overflows	Monthly Total SSOs (occurrences/month)			See Comments ¹	
Overflow Volume	Monthly Total Volume of SSOs (gallons/month)			See Comments ¹	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	313	25	37.5	three/week	composite
Total Suspended Solids (TSS)	375	30	45	three/week	composite
Ammonia Nitrogen (NH3-N)					
(April-Oct)	35	2.8	4.5 ²	three/week	composite
(Nov-March)	38	3.0	4.5 ²	three/week	composite
Dissolved Oxygen (DO)	N/A	7.0 (Inst. Min.)		three/week	grab
Fecal Coliform Bacteria (FCB)		(colonies/100ml)			
(Apr-Sept)	N/A	200	400	three/week	grab
(Oct-Mar)	N/A	1000	2000	three/week	grab
Copper, Total Recoverable ³ (Cu)	0.497	39.7 µg/l	79.7 µg/l	once/month	grab
Mercury, Total Recoverable ³ (Hg)	0.00041	0.0328 µg/l	0.0657 µg/l	once/month	grab
Total Phosphorus (TP)	N/A	Report	Report	three/week	grab
Nitrate + Nitrite Nitrogen (NO3 + NO2-N)	N/A	Report	Report	three/week	grab
Arsenic, Total Recoverable ⁴	N/A	Report	Report	once/quarter	grab
pH	N/A	<u>Minimum</u> 6.0 s.u.	<u>Maximum</u> 9.0 s.u.	three/week	grab
Pretreatment Report	Report			annual	N/A
Chronic WET Testing ⁵	N/A	Report		once/quarter	composite
<u>Pimephales promelas (Chronic)⁵</u> Pass/Fail Lethality (7-day NOEC) TLP6C Pass/Fail Growth (7-day NOEC) TGP6C Survival (7-day NOEC) TOP6C Coefficient of Variation (Growth) TQP6C Growth (7-day NOEC) TPP6C		<u>7-Day Average</u> Report (Pass=0/Fail=1) Report (Pass=0/Fail=1) Report % Report % Report %		once/quarter once/quarter once/quarter once/quarter	composite composite composite composite composite

<u>Effluent Characteristics</u>	<u>Discharge Limitations</u>			<u>Monitoring Requirements</u>	
	Mass (lbs/day, unless otherwise specified)	Concentration (mg/l, unless otherwise specified)		Frequency	Sample Type
		Monthly Avg.	Monthly Avg.		
<u>Ceriodaphnia dubia (Chronic)</u> ⁴ Pass/Fail Lethality (7-day NOEC) TLP3B Pass/Fail production (7-day NOEC)TGP3B Survival (7-day NOEC) TOP3B Coefficient of Variation (Reproduction) TQP3B Reproduction (7-day NOEC) TPP3B		<u>7-Day Average</u> Report (Pass=0/Fail=1) Report (Pass=0/Fail=1) Report % Report % Report %		once/quarter once/quarter once/quarter once/quarter once/quarter	composite composite composite composite composite

¹ See Condition No. 5 of Part II (SSO Condition). If there are no overflows during the entire month, report "zero" (0).

² From the effective date until three years after the effective date, the limit will be 5.0 mg/L. See Part I.B for details.

³ See Condition No. 9 of Part II (Metals Condition).

⁴ Monitoring and reporting for Total Recoverable Arsenic is only required for one year from the effective date of the permit.

⁵ See Condition No. 10 of Part II (WET Testing Condition).

Oil, grease, or petrochemical substances shall not be present in receiving waters to the extent that they produce globules or other residue or any visible, colored film on the surface or coat the banks and/or bottoms of the waterbody or adversely affect any of the associated biota. There shall be no visible sheen as defined in Part IV of this permit.

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge during the entire monitoring period. Samples shall be taken after UV treatment, prior to the receiving stream