

PUBLIC NOTICE

May 6, 2022

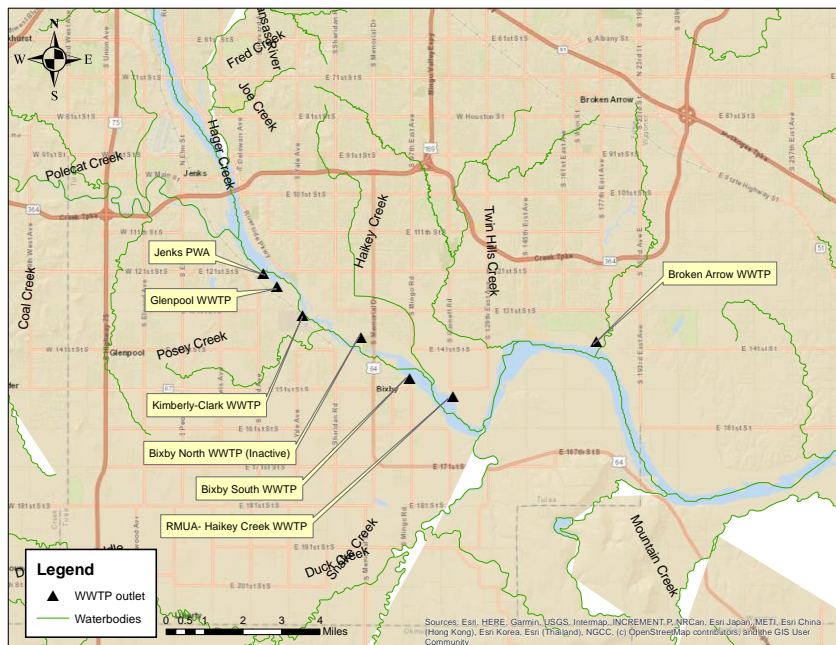
REQUEST FOR PUBLIC COMMENT ON A PROPOSED MODIFICATION TO OKLAHOMA'S WATER QUALITY MANAGEMENT PLAN FOR GLENPOOL WWTP

Public Comment Period Begins: May 6, 2022

Public Comment Period Ends: June 20, 2022

Permitee: Glenpool Utility Authority, 12205 S. Yukon, Glenpool, OK 74033. [Facility Legal Description: SW¹/₄, NW¹/₄, Section 11, Township 17 North, Range 12 East, I.M.]

Receiving waters and location: Arkansas River (OK120420010010_00) (Latitude: 35° 58' 58.010" North; Longitude: 95° 55' 53.940" West).



The City of Glenpool is planning to replace the existing aerated lagoon treatment system to a new 3.0 MGD mechanical plant. The QUAL2K models developed in 2016 for Bixby Public Works Authority were used to estimate the proposed Wasteload Allocation (WLA) limits for Glenpool WWTP because the discharge point of Glenpool WWTP is located approximately 4 miles north of current Bixby outfall. The model for the Arkansas River was run for approximately 55 miles (88

km) from downstream of Keystone Lake to Coweta. The concentrations of CBOD₅ and NH₃ from the point source are increased until the predicted instream Dissolved Oxygen (DO) concentration reaches the DO criteria with a 25% margin of safety (MOS). The receiving stream, Arkansas River, is listed in Appendix A of the Oklahoma Water Quality Standards (OAC 785:45) and its beneficial uses are listed as Aesthetics, Agriculture, Fish and Wildlife Propagation - Warm Water Aquatic Community (WWAC), Fish Consumption, Navigation, Primary Body Contact Recreation (PBCR), and Emergency Water Supply. This segment of the Arkansas River was last assessed in 2020 and found impaired PBCR and WWAC beneficial uses by enterococcus, lead, and turbidity.

This WLA has been developed to ensure that the limits assigned to the discharge are stringent enough to maintain DO standards under critical conditions. The proposed discharge limits for Glenpool WWTP are shown below:

Glenpool WWTP

Proposed Design Flow: 3.0 MGD
 Year-round: 30.0 mg/L BOD₅ and 30.0 mg/L TSS

These limitations are minimum requirements. If a Total Maximum Daily Load (TMDL) is approved for the stream, any more stringent limitations contained in the TMDL will apply. The comment period will be open for 45 days. If you have any concerns regarding these proposed limits, please submit your comments in writing by the end of the workday on **June 20, 2022**, to:

Soojung Lim
 Water Quality Division
 Oklahoma Department of Environmental Quality
 P.O. Box 1677
 Oklahoma City, OK 73101-1677
 (405) 702-8195
 E-mail: Water.Comments@deq.ok.gov

You may also request a public meeting in writing. If there is a significant degree of public interest, DEQ will schedule a public meeting. After evaluating comments received and making any necessary changes, the WLA will be submitted to the U.S. Environmental Protection Agency (EPA) for final approval.

FACILITY 208:	Glenpool	CITY/TOWN:	Glenpool
LEGAL LOCATION*:	SW¼, NW¼ S11, T17N, R12E SE/SW/NW	COUNTY:	Tulsa
POD LOCATION*:	SE¼, SE¼, NW¼ S4, T17N, R13E SW/SW/NE	SEGMENT:	120420
POD LATITUDE:	35° 58' 58.010" N	POD LONGITUD*:	95° 55' 53.940" W
OPDES #:	OK0027138	FACILITY ID #:	S-20430
CURRENT TREATMENT PROCESS**:	Aerated Lagoon Mechanical Plant		
PRESENT AVG. DAILY FLOW (MGD):	0.7 1.3	2019 ESTIMATED POPULATION**:	13,936
DESIGN AVG. DAILY FLOW (MGD):	1.44 3.0	YEAR 2041 PROJECTED POPULATION**:	33,964
RECEIVING STREAM:	Arkansas River (OK120420010010_00)	Stream Class:	Perennial
7-day 2-year low flow in MGD (7Q2)**		418 794	
DMA:	Glenpool Utility Service Authority	DMA STATUS:	Approved

FACILITY 208:	Glenpool	CITY/TOWN:	Glenpool
WASTELOAD ALLOCATION**:	SECONDARY (30 mg/l BOD, 90 30 mg/l TSS)		
Recommended Treatment Alternatives			
A)	Land Application		
B)			
C)			
		EPA Approval Date:	2/24/1999
		Record Last Updated:	5/3/2022
*Minor update to make consistence with industrial permit			
** Update based on 2022 WLA report			

You are receiving this notice because you are either on DEQ's list to receive all public notices about proposed Waste Load Allocations or you are located downstream in an affected watershed. If you are receiving this notice in error, are getting multiple notices, or do not want to receive future notices, please let us know. In addition to notices about new or changes in 208 Plans for facilities, DEQ's Modeling, TMDL, 208 & 303(d) Section sends out public notices about proposed changes in the Integrated Report, proposed TMDLs, 404 projects, 401 Certification requests, and proposed changes in the CPP.

If you would like to receive any or all of these public notices via e-mail, please send your e-mail address to Water.Comments@deq.ok.gov. Also, please let us know if you want to receive notices for the entire State or just for your [watershed](#). **By receiving PDF public notices via e-mail, you will help save money and the environment by reducing the amount of paper we use to mail them.** In addition to helping the environment, you will be able to click on helpful FYI hyperlinks.



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