

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

PUBLIC NOTICE

February 25, 2021

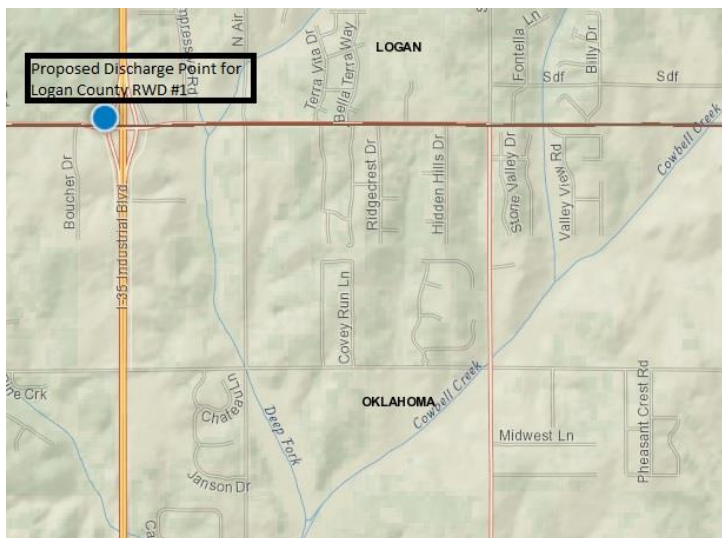
REQUEST FOR PUBLIC COMMENT ON A PROPOSED MODIFICATION TO OKLAHOMA'S WATER QUALITY MANAGEMENT PLAN FOR LOGAN COUNTY RWD #1

Public Comment Period Begins: February 25, 2021

Public Comment Period Ends: April 12, 2021

Permittee: Logan County RWD #1, P.O. Box 993, Guthrie, OK 73044. [Facility Legal Description: SE¼, SW¼ S33, T15N, R02W, I.M.]

Receiving waters and location: Unnamed tributary of Cowbell Creek (OK520710010110_00) (Latitude: 35° 43' 32.37" North; Longitude: 97° 25' 03.22" West)



Currently, Logan County Rural Water District #1 has operating lagoons that are near maximum capacity. Due to the increasing demand for services and infrastructure in the area, Logan County RWD #1 requested a discharge permit to add a sewer treatment facility to better service the growing community. The facility would discharge 0.225 MGD effluent into an unnamed tributary of Cowbell Creek (OK520710010110_00). Oklahoma's desktop water quality model, based on the modified Streeter-Phelps equation, was used to calculate Wasteload Allocation (WLA) limits during various seasons under regulatory flow condition. The concentrations of CBOD₅ and NH₃ from the point source are increased until the predicted instream DO concentration reaches the DO criteria with a 20% margin of safety (MOS).

The unnamed tributary is not listed in Appendix A of the Oklahoma Water Quality Standards (OAC 785:45). Therefore, it is assumed to have the designated use of Warm Water Aquatic Community (WWAC). Cowbell Creek 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, and Primary Body Contact Recreation. Cowbell Creek has not been assessed, so it is considered as attaining all its beneficial uses. This WLA has been developed in order to ensure that the limits assigned to the discharge are stringent enough to maintain DO standards under critical conditions. The proposed discharge limits for Logan County RWD #1 are shown below:

Logan County RWD #1

Proposed Design Flow: 0.225 MGD
 Summer Limits (Jun–Oct): 10 mg/L CBOD₅, 15 mg/L TSS, 2 mg/L NH₃-N, 5 mg/L DO
 Spring Limits (Apr–May): 18 mg/L CBOD₅, 30 mg/L TSS, 7 mg/L NH₃-N, 5 mg/L DO
 Winter Limits (Nov–Mar): Secondary (30 mg/L BOD₅, 90 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 **April 12, 2021** 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:	Logan County RWD #1		CITY/TOWN:	Guthrie
LEGAL LOCATION:	SE¼, SW¼ S33, T15N, R02W		COUNTY:	Logan
POD LOCATION*:	SE¼, SW¼ S33, T15N, R02W		SEGMENT:	520710
POD LATITUDE*:	35° 43' 32.37" N		POD LONGITUDE*:	97° 25' 03.22" W
OPDES #:	Pending		FACILITY ID #:	S-20974
CURRENT TREATMENT PROCESS:	Lagoon			
PRESENT AVG. DAILY FLOW (MGD):		2020 ESTIMATED POPULATION:		
DESIGN AVG. DAILY FLOW (MGD):	0.225	YEAR 2050 PROJECTED POPULATION:	2,250	
RECEIVING STREAM:	Unnamed tributary of Cowbell Creek (OK520710010110_00)		Stream Class:	Intermittent
7-day 2-year low flow in MGD (7Q2)	ANNUAL 7Q2	Not available	SPRING 7Q2	Not available
	SUMMER 7Q2	Not available	WINTER 7Q2	Not available
DMA:	Logan County RWD #1		DMA STATUS:	Approved
WASTELOAD ALLOCATION*:	Summer Limits (Jun-Oct): 10 mg/L CBOD ₅ , 15 mg/L TSS, 2 mg/L NH ₃ -N, 5 mg/L DO Spring Limits (Apr-May): 18 mg/L CBOD ₅ , 30 mg/L TSS, 7 mg/L NH ₃ -N, 5 mg/L DO Winter Limits (Nov-Mar): Secondary (30 mg/L BOD ₅ , 90 mg/L TSS)			

FACILITY 208:	Logan County RWD #1	CITY/TOWN:	Guthrie
Recommended Treatment Alternatives			
A)	Enlarge Existing Facility		
B)	Upgrade		
C)	Land Application		
EPA Approval Date:			Pending
Record Last Updated:			2/16/2021



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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