

PUBLIC NOTICE

February 9, 2024

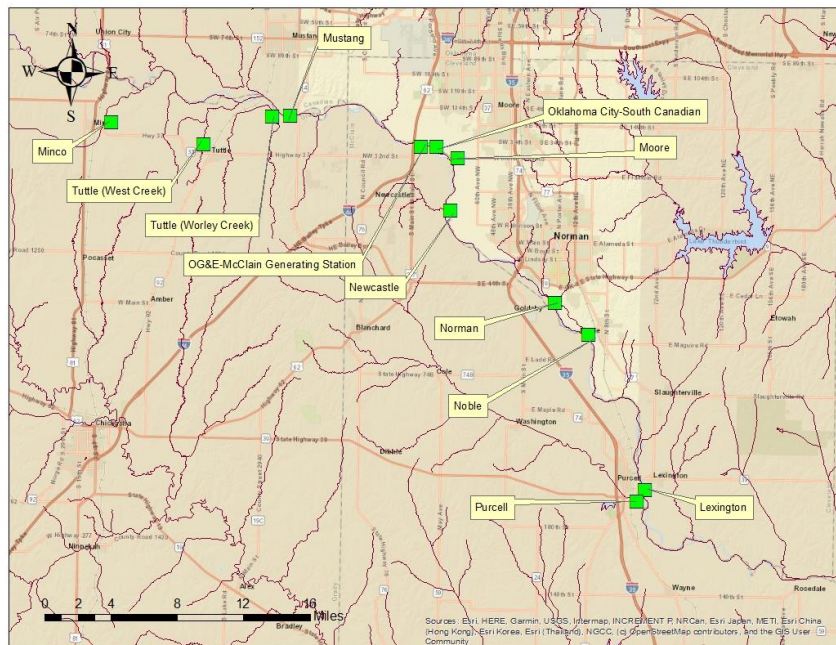
REQUEST FOR PUBLIC COMMENT ON A PROPOSED MODIFICATION TO OKLAHOMA'S WATER QUALITY MANAGEMENT PLAN FOR OG&E MCCLAIN GENERATING STATION

Public Comment Period Begins: February 9, 2024

Public Comment Period Ends: March 25, 2024

Permittee: OG&E-McClain Generating Station, 801 N.E. 34th St., Newcastle, OK 73101. [Facility Legal Description: NW¼, NW¼, SE¼, Section 35, Township 10 North, Range 4 West, I.M.]

Receiving waters and location: Canadian River (OK520610010010_20) (Latitude: 35° 18' 01" North; Longitude: 97° 35' 28" West).



During our permit review, DEQ discovered an inconsistency between the permit and the 208 Plan. The high 30-day average effluent flow ($Q_{e(30)}$) in the industrial permit was about two times greater than the critical effluent flow in the 208 Plan. To correct the 208 Plan, the 2019 WASP model for the Canadian River was modified to simulate the effluent flow increase from OG&E McClain Generating Station.

The Canadian River (OK520610010010_20) 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 (FC), and Secondary Body Contact Recreation (SBCR). This Canadian River segment wasn't assessed and it was considered as attaining 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 OG&E McClain Generating Station are shown below:

OG&E McClain Generating Station

Proposed Design Flow: 0.414 MGD
Summer (Jun. – Oct.): 9 mg/L cBOD₅, 3.2 mg/L NH₃-N, 4 mg/L DO, 10 mg/L TSS
Spring (Mar. – May): 30 mg/L BOD₅, 30 mg/L TSS
Winter (Nov. – Feb.): 30 mg/L BOD₅, 30 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 **March 25, 2024**, 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:	OG & E McClain Generating Station*	CITY/TOWN:	Newcastle
FACILITY LEGAL LOCATION:	S35 T10N R04W N/S	COUNTY:	McClain
NPDES #:	OK0045250	SIC CODE:	4911
STATE FACILITY NUMBER:	47000140	OPERATIONS DESCRIPTION:	Power Plant
OUTFALL NUMBER:	001		
WASTE WATER DESCRIPTION:	Wastewater from cooling tower blowdown, low volume waste, heat recovery steam generator, and steam turbine.		
TREATMENT PROCESS:	IMPOUNDMENT		
EVALUATION TYPE:	Wasteload allocation study		
RECEIVING STREAM:	Canadian River (OK Waterbody ID: OK520610010010_20)		
7 DAY 2 YEAR LOW FLOW (MGD):	14.5		
STREAM CLASS:	PERENNIAL	SEGMENT:	520610
CRITICAL EFFLUENT FLOW(MGD):	0.189 0.414	PROJECTED MAXIMUM FLOW (MGD):	
POINT OF DISCHARGE:	S35 T10N R04W NE/SW/NW		

FACILITY 208:	OG & E McClain Generating Station*	CITY/TOWN:	Newcastle
LATITUDE:	35° 18' 01" N	LONGITUDE:	97° 35' 28" W
WASTELOAD ALLOCATION: For Dissolved Oxygen Demanding Substances (Final Discharge only, no internal monitoring points)	<u>Spring & Winter Limits (Nov- May):</u> 30 mg/L BOD ₅ and 30 mg/l TSS <u>Summer Limits (Jun- Oct):</u> 9 mg/L CBOD ₅ , 10 mg/l TSS, 3.2 mg/L NH ₃ -N, and 4 mg/L DO <u>Year-Round</u> pH: 6.5 - 9.0 s.u Monthly Average Limits Free Available Chlorine: 0.2 mg/L <u>Daily Maximum Limits</u> Free Available Chlorine: 0.5 mg/L Free Available Oxidant: Non-detect		
EPA TECHNICAL APPROVAL DATE:			2/10/2015
EPA FINAL APPROVAL DATE:			6/30/2015
RECORD LAST UPDATED:			1/18/2024
June 30, 2015. Updated WLA based on Wasteload Allocation Study (Oct. 2014) of Canadian River (Union City to Wayne, OK)			
January 2024. Update critical effluent flow to make consistence with Q _{e(30)} in the industrial permit.			

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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