



OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

## PUBLIC NOTICE

April 1, 2010

### REQUEST FOR PUBLIC COMMENT ON PROPOSED MODIFICATION TO OKLAHOMA'S WATER QUALITY MANAGEMENT PLAN FOR THE TOWN OF EARLSBORO WASTEWATER TREATMENT FACILITY

Public Comment Period Begins: April 1, 2010

**Public Comment Period Ends: May 17, 2010**

**Permitee:** Town of Earlsboro, P.O. Box 67, Earlsboro, OK 74840-0067

**Receiving waters and proposed point of discharge location:** Unnamed tributary of Wewoka Creek [Section 8, Township 9 North, Range 5 East (SE/NE/SE) in Pottawatomie County (Latitude: 35° 15' 42.132" N; Longitude: -96° 47' 21.908" W)]

The Town of Earlsboro wastewater treatment facility currently consists of a secondary sewage lagoon with a design flow of 0.024 million gallons per day (MGD). Due to expected population growth, the Town of Earlsboro is requesting an increase in their design flow to 0.077 MGD. The wastewater facility currently discharges into an unnamed tributary to Wewoka Creek in Pottawatomie County in the Lower North Canadian watershed.

DEQ conducted a waste load allocation (WLA) study. A waste load allocation is the maximum amount of pollutants in treated wastewater that can safely be discharged into a waterbody without adversely affecting its quality.

DEQ, along with the U.S. Environmental Protection Agency (EPA), has evaluated the unnamed tributary of Wewoka Creek to develop these recommended maximum amounts that may be discharged into it with a design flow of 0.077 MGD:

<b>June – October:</b>	12 mg/L CBOD <sub>5</sub> (5-day carbonaceous biochemical oxygen demand) 15 mg/L TSS (total suspended solids) 7 mg/L NH <sub>3</sub> -N (ammonia nitrogen) 4 mg/L DO (dissolved oxygen) minimum or <b>no discharge</b>
<b>November – March:</b>	Lagoon Secondary [30.0 mg/l 5-day biochemical oxygen demand (BOD <sub>5</sub> ); 90 mg/L TSS] with 4 mg/L DO
<b>April – May:</b>	Lagoon Secondary with 5 mg/L DO

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 **May 17, 2010** to:

Dr. Karen Miles  
Water Quality Division  
Oklahoma Department of Environmental Quality  
P.O. Box 1677  
Oklahoma City, OK 73101-1677  
(405) 702-8192  
E-mail: [Karen.Miles@deq.ok.gov](mailto:Karen.Miles@deq.ok.gov)

You may also request a public meeting in writing. If there is a significant degree of public interest, the Department of Environmental Quality will schedule a public meeting. After evaluating comments received and making any necessary changes, the modification will be submitted to EPA for final approval.

FACILITY: **EARLSBORO** CITY/TOWN: **EARLSBORO**  
LEGAL/POD: **SE/SE/SE S08 T09N R05E** COUNTY: **POTTAWATOMIE**  
LATITUDE: **35° 15' 42.132" N** LONGITUDE: **96° 47' 21.809" W**  
POD:  
NPDES # **OK0030244** ~~PRIORITY RANKING~~-Facility ID: ~~NO S-20556~~ SEGMENT: **520500**  
CURRENT TREATMENT PROCESS: **LAGOON**  
PRESENT AVG. DAILY FLOW (MGD): ~~0.026~~ **0.042** PRESENT POPULATION: **535 680**  
DESIGN AVG. DAILY FLOW (MGD): ~~0.025~~ **0.077** YEAR ~~203045~~ POPULATION: **860 770**

RECEIVING STREAM: ~~Unnamed tributary to~~-**Wewoka Creek** STREAM CLASS: **Intermittent**  
7 DAY 2 YEAR LOW FLOW (MGD): **0** WATER QUALITY RANKING: **7268**  
DMA: **EARLSBORO PUBLIC WORKS AUTHORITY** DMA STATUS: **APPROVED**  
WASTELOAD ALLOCATION: ~~SECONDARY~~

**Summer Limits (Jun-Oct): 12 mg/L CBOD<sub>5</sub>, 15 mg/L TSS, 7 mg/L NH<sub>3</sub>-N, 4 mg/L DO minimum or no discharge**  
**Winter Limits (Nov-Mar): Lagoon Secondary with 4 mg/L DO**  
**Spring Limits (Apr-May): Lagoon Secondary with 5 mg/L DO**

STRATEGY:  
RECOMMENDED TREATMENT ALTERNATIVES  
A) LAND APPLICATION  
B) UPGRADE  
C) SELECTIVE DISCHARGE

EPA APPROVAL DATE: ~~6/29/1999~~ **Pending**  
RECORD LAST UPDATE: ~~10/8/1999~~ **03/29/2010**



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DEPARTMENT OF ENVIRONMENTAL QUALITY  
...for a clean, attractive, prosperous Oklahoma

You are receiving this notice because you are either on DEQ's list to receive all public notices about changes in waste load allocations or you are located downstream in the watershed where such a change has been proposed.

If you are receiving this notice in error, are getting multiple notices, or do not want to receive future notices, please let us know.

If you are receiving this in paper form, please help save money and the environment by receiving the notice in PDF format via e-mail. Just let us know your e-mail address at [Karen.Miles@deq.ok.gov](mailto:Karen.Miles@deq.ok.gov).