



Scott Thompson  
Executive Director

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

Mary Fallin  
Governor

## PUBLIC NOTICE

March 7, 2016

### REQUEST FOR PUBLIC COMMENT ON PROPOSED MODIFICATION TO OKLAHOMA'S WATER QUALITY MANAGEMENT PLAN FOR THE WASTEWATER TREATMENT PLANT AT KOCH NITROGEN COMPANY, LLC IN ENID

Public Comment Period Begins: March 7, 2016

**Public Comment Period Ends: April 21, 2016**

**Permitee:** Koch Nitrogen Company, LLC, 1619 South 78<sup>th</sup> Street, Enid, OK 73701  
[Facility Legal Description: Section 17, Township 22 North, Range 5 West, SW¼]

**Receiving waters and point of discharge location:** Skeleton Creek (OK620910030170\_10)  
[NW¼, NW¼, NW¼, Section 24, Township 22 North, Range 6 West Latitude: 36° 22' 30" N;  
Longitude: -97° 48' 05" W]

The Koch Nitrogen Company, L.L.C is requesting an increase in the design flow of their wastewater treatment plant due to a plan to expand its production facility. Since Koch Nitrogen Company, L.L.C will utilize treated effluent from the City of Enid's WWTP as their primary source of intake water; this will decrease the amount of effluent discharged by the City. The wasteload allocation (WLA) performed was for discharge to outfall 001. A WLA is the maximum amount of pollutants in treated wastewater that can safely be discharged into a waterbody without adversely affecting its quality. The company hired a consultant to conduct a WLA study for their treatment plant.

The [Oklahoma Department of Environmental Quality](#) (DEQ), along with the U.S. Environmental Protection Agency (EPA), evaluated the results of the consultant's WLA study and the condition of Skeleton Creek to approve of these recommended maximum amounts that may be discharged into it with a design flow of 2.3 MGD.

**Year round Limits:** 15 mg/L CBOD<sub>5</sub> (5-day carbonaceous biochemical oxygen demand)  
30 mg/L TSS (total suspended solids)  
8.8 mg/L NH<sub>3</sub>-N (ammonia nitrogen)  
5 mg/L DO (dissolved oxygen)  
2.4 mg/L Total Phosphorus  
15 mg/L Organic Nitrogen

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 21, 2016** to:

David Akakpo  
Oklahoma DEQ - Water Quality Division  
P.O. Box 1677  
Oklahoma City, OK 73101-1677  
(405) 702-8197  
E-mail: [Water.Comments@deq.ok.gov](mailto: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 EPA for final approval.

<b>FACILITY 208:</b> KOCH NITROGEN COMPANY, LLC		<b>CITY/TOWN:</b>		<b>ENID</b>	
<b>FACILITY LEGAL LOCATION:</b>	S17 T22N R05W I.M. SW¼	<b>COUNTY:</b>	GARFIELD		
<b>NPDES #:</b>	OK0021024	<b>SIC CODE:</b>	2873		
<b>STATE FACILITY NUMBER:</b>	I-24000080	<b>OPERATIONS DESCRIPTION:</b>	Manufacture of Anhydrous Ammonia, Urea and Urea-Ammonia Nitrate (UAN) for use as a Fertilizer		
<b>OUTFALL NUMBER:</b>	001				
<b>WASTE WATER DESCRIPTION:</b>	Consists of cooling tower blowdown, spent demineralizer regenerants, clarifier blowdown, reverse osmosis reject water, stormwater runoff and treated domestic water				
<b>TREATMENT PROCESS:</b>	The Plant Wastewater Treatment System treats the wastewater by mixing, pH neutralization, sedimentation, aeration and dechlorination before discharge				
<b>EVALUATION TYPE:</b>	Wasteload allocation study				
<b>CRITICAL EFFLUENT FLOW(MGD):</b> (Highest 30 day average flow, enter the value or NA)		NA	<b>DESIGN FLOW (MGD):</b>		2.3
<b>POINT OF DISCHARGE:</b>	S24 T22N R06W I.M. NW¼/NW¼/NW¼	<b>LATITUDE:</b>	36° 22' 30"	<b>LONGITUDE:</b>	97° 48' 05"
<b>RECEIVING STREAM:</b>	Skeleton Creek (OK620910030170_10)		<b>SEGMENT:</b>	620910	
<b>7-day 2-year low flow in MG (7Q2):</b>		0	<b>STREAM CLASS:</b>		Intermittent
<b>WASTELOAD ALLOCATION:</b> (For Dissolved Oxygen Demanding Substances)	<b>Monthly Average:</b> 15 mg/L CBOD <sub>5</sub> , 30 mg/L TSS, 8.8 mg/L NH <sub>3</sub> -N, 5 mg/L DO, 2.4 mg/L Total Phosphorus and 15 mg/L Organic Nitrogen  <b>pH: 6.5 - 9.0 s.u.</b>				
					<b>EPA APPROVAL DATE:</b> pending
					<b>RECORD LAST UPDATE:</b> 1/5/2016



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 changes in 208 Plans for facilities, the DEQ's Watershed Planning & Stormwater Permitting Section sends out public notices about proposed changes in the Integrated Report, proposed TMDLs, 404 projects, 401 Certification requests, stormwater permits, 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](mailto: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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