

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

NOTICE OF PUBLIC MEETING

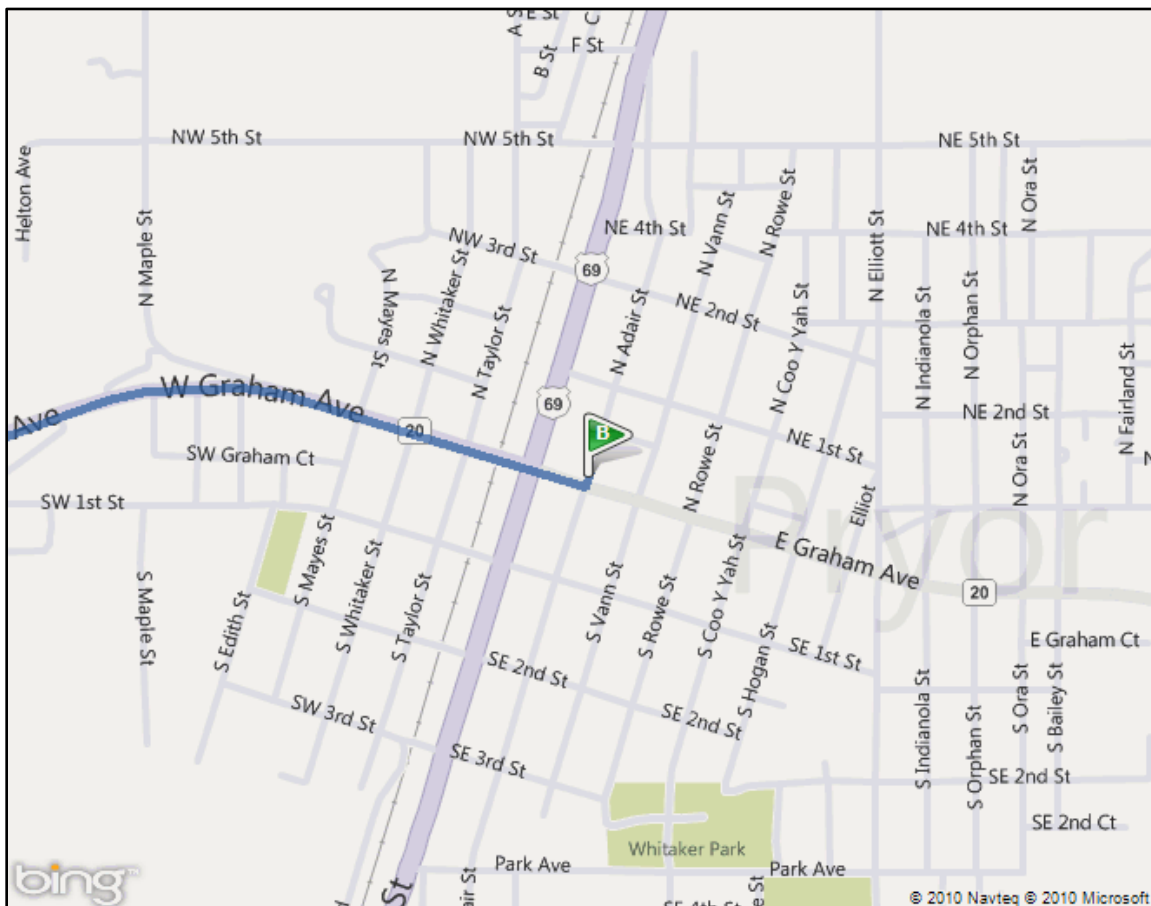
August 31, 2010

PUBLIC MEETING REGARDING THE PROPOSED MODIFICATIONS TO OKLAHOMA'S WATER QUALITY MANAGEMENT PLAN AND ASSOCIATED WASTELOAD ALLOCATIONS FOR THE SOLAE, OOWA, AND PICC INDUSTRIAL WASTEWATER TREATMENT FACILITIES

Due to the degree of public interest, the Oklahoma Department of Environmental Quality has scheduled a public meeting to hear public comments regarding the proposed modification to Oklahoma's Water Quality Management Plan and associated wasteload allocations for the SOLAE, OOWA, and PICC Industrial Wastewater Treatment Facilities.

The meeting will be held in the **Graham Community Hall at 6 North Adair** (in the back, off of the alley) in Pryor Creek, Oklahoma.

The meeting will begin at **6:30 pm on Tuesday, October 19th** and continue until all are heard.



The modification:

The Oklahoma Department of Environmental Quality evaluated a revised proposed waste load allocation that could be discharged by OOWA, Solae, & PICC into the Neosho River in Mayes County in the Lower Neosho watershed. The waste load allocation was determined by conducting a study to determine the maximum amount of pollutants in treated wastewater that can safely be discharged into a waterbody without adversely affecting its quality. The study was necessary due to a request from OOWA to increase the amount of wastewater discharged into the Neosho River which is on Oklahoma's impaired waters list.

This segment of the Neosho River (Waterbody ID OK121600010280_00) is listed on the 303(d) list of the 2008 Integrated Report¹ for not meeting its beneficial use for Warm Water Aquatic Community (WWAC) since it is impaired with lead and for low dissolved oxygen.

The Oklahoma Department of Environmental Quality, along with the U.S. Environmental Protection Agency (EPA), has evaluated the Neosho River study conducted by a consultant to OOWA to develop the recommended maximum amount of pollutants that may be discharged into the Neosho River and still maintain the quality of the river:

OOWA Point of Discharge - Outfall 007:

Latitude: 36°-13'-13" N

Longitude: 95°-16'-01" W

SE/SW/SE, Section 10, Township 20N, Range 19EIM

Planning Segment No. 121600

Design Flow:	4.6 million gallons per day (MGD)
Summer Limits (Jun–Oct):	697 pounds per day (lb/day) 5-day carbonaceous biochemical oxygen demand (CBOD ₅) 2138 lb/day total suspended solids (TSS)
Seasonal Limits (Nov–May):	1584 lb/day BOD ₅ , 2138 lb/day TSS
Year round (June – May):	Fecal coliform: 200 organisms/100 ml monthly geometric avg and 400 organisms/100 ml daily max

Solae Point of Discharge - Outfall 004:

Latitude: 36°-13'-25" N

Longitude: 95°-16'-03" W

NW/SE/SE, Section 10 Township 20N, Range 19EIM

Planning Segment No. 121600

Design Flow:	3.3 MGD
Summer Limits (Jun–Oct):	1670 lb/day CBOD ₅ , 5642 lb/day TSS
Seasonal Limits (Nov–May):	3795 lb/day BOD ₅ , 5642 lb/day TSS

¹ http://www.deq.state.ok.us/wqdnew/305b_303d/2008_integrated_report_entire_document.pdf

Combined OOWA/Solae Point of Discharge - Outfall 008:

Latitude: 36°-12'-23" N
 Longitude: 95°-14'-44" W
 SW/SE/SE Section 14 Township 20N, Range 19EIM
 Planning Segment No. 121600

pH – (6.5-9.0 s.u.)

Fecal coliform: 200 organisms/100 ml monthly geometric avg and 400 organisms/100 ml daily max

PICC Point of Discharge - Outfall 001:

Latitude: 36°-11'-34" N
 Longitude: 95°-14'-46" W
 NW/SE/SE, Section 23 Township 20N, Range 19EIM
 Planning Segment No. 121600

Design Flow: 3.7 MGD
Summer Limits (Jun–Oct): 732 lb/day CBOD₅,
Seasonal Limits (Nov–May): 1665 lb/day BOD₅,
Year Round Limits (Jun–May): 2415 lb/day TSS
 pH 6.5 – 9.0

208 INDUSTRIAL FACT SHEET			
FACILITY:	Oklahoma Ordnance Works Authority (OOWA)	CITY/TOWN:	PRYOR
LEGAL:	SE S10, T20N, R19EIM	COUNTY:	MAYES
NPDES #	OK0034568	SIC CODE:	4952
STATE FACILITY NUMBER:	I-46000270		
OPERATIONS DESCRIPTION:	OOWA is a State-beneficiary public trust which manages the Mid-America Industrial Park, operates a potable water treatment plant (WTP) serving the industrial park.		
OUTFALL NUMBER: Outfall 007 (via Outfall 008)			
WASTE WATER DESCRIPTION: Combinations of process wastewaters, vehicle wash waters, non-contact cooling water, cooling tower blowdown, boiler blowdown, treated groundwater remediation wastewater and water treatment plant filter backwash plus sanitary wastewater from a small residential community near the industrial park.			
TREATMENT PROCESS: Sequential Batch Reactor with UV disinfection			
EVALUATION TYPE: Calibrated Water Quality Model			
RECEIVING STREAM:	Neosho River	SEGMENT:	121600
STREAM CLASS:	Perennial		
CRITICAL EFFLUENT FLOW(MGD): (Highest 30 day average flow, enter the value or <u>not available</u>)	2.11	POINT OF DISCHARGE	SE/SW/SE, Section 10, Township 20N, Range 19EIM
DESIGN AVG. DAILY FLOW (MGD):	4.6	LATITUDE: LONGITUDE:	N 36° 13' 13" W 95° 16' 01"
7 DAY 2 YEAR LOW FLOW (MGD):	189 Summer 1274 Spring 369 Winter		

WASTELOAD ALLOCATION: For Dissolved Oxygen Demanding Substances (Final Discharge only, no internal monitoring points)	Summer Limits (Jun-Oct): 697 lb/day CBOD ₅ , 2138 lb/day TSS		
	Seasonal Limits (Nov-May): 1584 lb/day BOD ₅ , 2138 lb/day TSS		
Year round: Fecal coliform: 200 organisms/100 ml monthly geometric avg and 400 organisms/100 ml daily max			
OUTFALL NUMBER: Outfall 008			
WASTE WATER DESCRIPTION: The discharge through Outfall 008 consists of the combined flows through Outfalls 004 (See 208 for Solae) and 007			
RECEIVING STREAM: Neosho River	SEGMENT:	121600	
STREAM CLASS: Perennial			
	POINT OF DISCHARGE	SW/SE/SE, Section 14, Township 20N, Range 19E1M	
	LATITUDE:	N 36° 12' 23" N	
	LONGITUDE:	W 95° 14' 44" W	
WASTELOAD ALLOCATION	pH values shall be between 6.5 and 9.0 Fecal coliform: 200 organisms/100 ml monthly geometric avg and 400 organisms/100 ml daily max		
EPA APPROVAL DATE: Pending			
RECORD LAST UPDATE: 8/29/2007			



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. This notice is for informational purposes only; it is not to be published in the legal section of newspapers.

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 you e-mail address at Karen.Miles@deq.ok.gov.