

PUBLIC NOTICE

April 6, 2015

REQUEST FOR PUBLIC COMMENT ON A PROPOSED MODIFICATION TO OKLAHOMA'S WATER QUALITY MANAGEMENT PLAN FOR CANDIAN RIVER WLA FROM UNION CITY TO WAYNE, OKLAHOMA

Public Comment Period Begins: April 6, 2015

Public Comment Period Ends: May 20, 2015

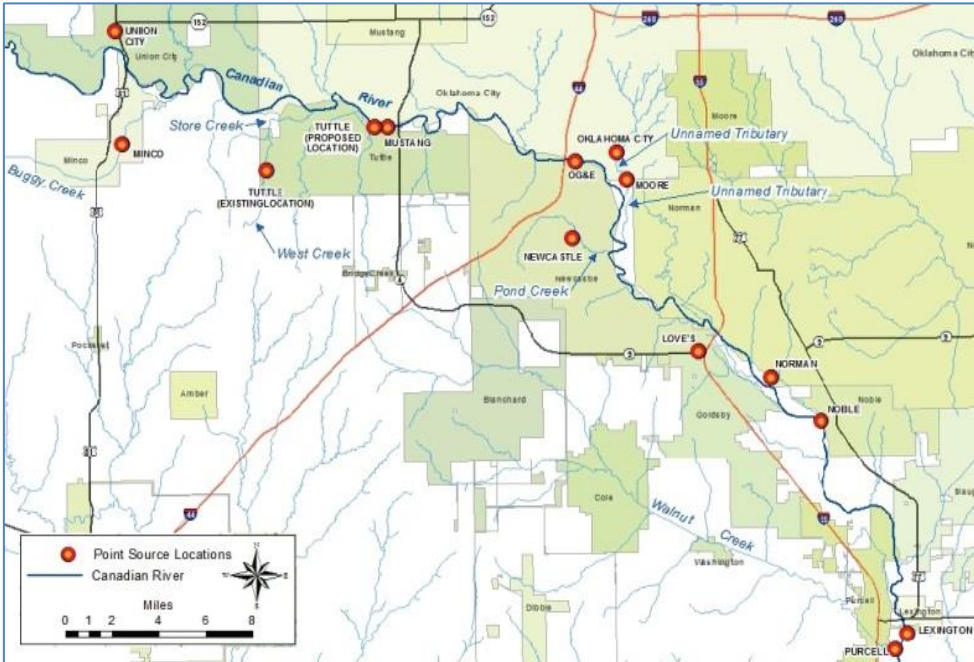
Permittees:

1. City of Minco, P.O. Box 512, Minco, Oklahoma 73059. [Facility Legal Description: W $\frac{1}{2}$, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Section 27, Township 10 North, Range 7 West, I.M.]
2. City of Tuttle, P.O. Box 10, Tuttle, Oklahoma 73089. [Facility Legal Description: SE $\frac{1}{4}$, NE $\frac{1}{4}$, SE $\frac{1}{4}$, Section 20, Township 10 North, Range 5 West, I.M.]
3. Mustang Improvement Authority, 1501 N. Mustang Road, Mustang, Oklahoma 73064. [Facility Legal Description: E $\frac{1}{2}$, E $\frac{1}{2}$, NW $\frac{1}{4}$, Section 28, Township 11 North, Range 5 West, I.M.]
4. Oklahoma City Water Utilities Trust, 420 W. Main, Suite 500, Oklahoma City, Oklahoma 73102 [Facility Legal Description: NE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Section 30, Township 10 North, Range 3 West, I.M.]
5. OG&E-McClain Generating Station, 801 NE 4th, Newcastle, OK 73065. [Facility Legal Description: N $\frac{1}{2}$, S $\frac{1}{2}$, Section 35, Township 10 North, Range 4 West, I.M.]
6. City of Moore, 301 N. Broadway Ave., Moore, Oklahoma 73160. [Facility Legal Description: SE $\frac{1}{4}$, SE $\frac{1}{4}$, NW $\frac{1}{4}$, Section 35, Township 10 North, Range 3 West, I.M.]
7. Newcastle Public Works Authority (PWA), P.O. Box 179, Newcastle, Oklahoma 73065. [Facility Legal Description: NE $\frac{1}{4}$, NE $\frac{1}{4}$, SW $\frac{1}{4}$, Section 14, Township 9 North, Range 4 West, I.M.]
8. Norman Utilities Authority, P.O. Box 370, Norman, Oklahoma 73070. [Facility Legal Description: S $\frac{1}{2}$, SE $\frac{1}{4}$, SE $\frac{1}{4}$, Section 7, Township 8 North, Range 2 West, I.M.]
9. Noble Utility Authority, P.O. Box 557, Noble, Oklahoma 73068. [Facility Legal Description: SE $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Section 21, Township 8 North, Range 2 West, I.M.]
10. Lexington PWA, 111 E. Broadway, Lexington, Oklahoma 73051. [Facility Legal Description: SW $\frac{1}{4}$, NW $\frac{1}{4}$, SE $\frac{1}{4}$, Section 7, Township 6 North, Range 1 West, I.M.]
11. City of Purcell, 230 W. Main, Purcell, Oklahoma 73080. [Facility Legal Description: NE $\frac{1}{4}$, SE $\frac{1}{4}$, SW $\frac{1}{4}$, Section 2, Township 6 North, Range 2 West, I.M.]

Receiving waters and location (corresponding to the above permittee number):

1. [Buggy Creek](#) (OK520610020120_00) to the [Canadian River](#) (OK520610020010_00) (Latitude: 35° 18' 58" North; Longitude: 97° 55' 30" West).
2. [Worley Creek](#) (OK520610020030_00) to the [Canadian River](#) (OK520610020010_00) (Latitude: 35° 15' 44" North; Longitude: 96° 13' 43" West).
3. [Canadian River](#) (OK520610020010_00) (Latitude: 35° 19' 31" North; Longitude: 97° 43' 56" West).
4. Unnamed tributary to the [Canadian River](#) (OK520610010010_20) (Latitude: 35° 18' 28" North; Longitude: 97° 33' 34" West).
5. [Canadian River](#) (OK520610010010_20) (Latitude: 35° 18' 1" North; Longitude: 97° 35' 28" West).

6. Unnamed tributary to the [Canadian River](#) (OK520610010010_20) (Latitude: 35° 17' 28" North; Longitude: 97° 33' 6" West).
7. [Canadian River](#) (OK520610010010_10) (Latitude: 35° 15' 9" North; Longitude: 97° 33' 48" West).
8. [Canadian River](#) (OK520610010010_05) (Latitude: 35° 9' 59" North; Longitude: 97° 26' 40" West).
9. [Canadian River](#) (OK520610010010_05) (Latitude: 35° 8' 21" North; Longitude: 97° 24' 26" West).
10. [Canadian River](#) (OK520610010010_05) (Latitude: 35° 0' 18" North; Longitude: 97° 20' 40" West).
11. [Canadian River](#) (OK520610010010_05) (Latitude: 34° 59' 45" North; Longitude: 97° 21' 12" West).



The [Association of Central Oklahoma Government \(ACOG\)](#) contracted with [Guernsey](#) to conduct a [wasteload allocation \(WLA\)](#) study for the Canadian River, located in central Oklahoma, from approximately Union City to Wayne, Oklahoma. During 2007-2008, the [Oklahoma Water Resources Board \(OWRB\)](#) changed one of the designated uses for the Canadian River between the US Highway 81 bridge near Union City and the confluence with [Buckhead Creek](#) near Wayne. This section of the river

was previously designated a [Habitat Limited Aquatic Community \(HLAC\)](#), but was re-designated a [Warm Water Aquatic Community \(WWAC\)](#). The WWAC designation demands more stringent [dissolved oxygen \(DO\)](#) standards than a HLAC. In light of this re-designation, the [Oklahoma Department of Environmental Quality \(DEQ\)](#) requested sampling and modeling of this reach of the river to determine point source permit limits to maintain the more stringent DO standards.

For the WLA study, City of Tuttle has proposed Worley Creek as the site of a new wastewater treatment plant (WWTP), in addition to its existing WWTP that discharges into West Creek. Newcastle Public Works Authority has also requested to discharge its wastewater to the [Canadian River](#) (OK520610010010_10), instead of [Tim's Creek](#) (OK520610010215_00). The other 9 point source discharges in this study remain at their current locations.

Based on 20-year population projection, Mustang Improvement Authority, Oklahoma City Water Utilities Trust, Lexington PWA, and City of Purcell have requested permission to increase design flow to 3 million gallons per day (MGD) from 2 MGD, 8.66 MGD from 6 MGD, 0.852 MGD from 0.54 MGD, and 0.78 MGD from 0.65 MGD, respectively. However, design flow for the City of Moore was adjusted from 12 MGD to 9 MGD by using 100 gallons per capita per day (gpcd), instead of using 137.8 gpcd as the City originally requested.

All facilities in this WLA study discharge their wastewater into the Canadian River or its tributaries in the [Lower Canadian-Walnut Watershed](#) in Canadian, Cleveland, Grady, McClain, and Oklahoma counties. The WLA study determined the maximum amount of pollutants in treated wastewater which can safely be discharged into a waterbody without adversely affecting its water quality. The following table shows changes in design flows and limits for the facilities in this study.

Discharger	Design flow (MGD)		Season	WLA (mg/L)	
	Current	Proposed		Current Limits	Proposed Limits
Minco	0.215	0.215	Summer	Secondary (30 BOD ₅ , 90 TSS)	No Discharge
			Spring		12 CBOD ₅ , 30 TSS, 3.7 NH ₃ -N, 5 DO
			Winter		Secondary (30 BOD ₅ , 90 TSS)
Tuttle	New facility	0.5	Summer	N/A	8 CBOD ₅ , 10 TSS, 2.3 NH ₃ -N, 6.5 DO
			Spring		30 BOD ₅ , 30 TSS
			Winter		
Mustang	2.0	3.0	Summer	9 CBOD ₅ , 11 TSS, 3.75 NH ₃ -N, 5 DO	7 CBOD ₅ , 10 TSS, 1.4 NH ₃ -N, 6.5 DO
			Spring		9 CBOD ₅ , 10 TSS, 3.75 NH ₃ -N, 5 DO
			Winter		13.5 CBOD ₅ , 22 TSS, 9 NH ₃ -N, 5 DO
Oklahoma City-South Canadian	6.0	8.66	Summer	15 CBOD ₅ , 30 TSS, 8 NH ₃ -N, 5 DO	3 CBOD ₅ , 10 TSS, 0.6 NH ₃ -N, 6.5 DO
			Spring		5 CBOD ₅ , 10 TSS, 0.8 NH ₃ -N, 7.4 DO
			Winter		18 CBOD ₅ , 30 TSS, 4.1 NH ₃ -N, 6 DO
OG&E McClain Generating Station	0.189	0.189	Summer	No limits	9 CBOD ₅ , 10 TSS, 3.2 NH ₃ -N, 4 DO
			Spring		30 BOD ₅ , 30 TSS
			Winter		
Moore	12.0	9.0	Summer	15 CBOD ₅ , 30 TSS, 4.1 NH ₃ -N, 5 DO	5 CBOD ₅ , 10 TSS, 1.4 NH ₃ -N, 6.5 DO
			Spring		6 CBOD ₅ , 10 TSS, 1.4 NH ₃ -N, 7.4 DO
			Winter		15 CBOD ₅ , 20 TSS, 4.1 NH ₃ -N, 7.4 DO
Newcastle	0.54	0.852	Summer	Secondary mechanical (20 BOD ₅ , 30 TSS)	20 BOD ₅ , 30 TSS
			Spring		
			Winter		
Norman	16.0	16.0	Summer	13 CBOD ₅ , 30 TSS, 5 NH ₃ -N, 5 DO	8 CBOD ₅ , 10 TSS, 1.6 NH ₃ -N, 6.5 DO
			Spring		13 CBOD ₅ , 30 TSS, 4.1 NH ₃ -N, 5 DO
			Winter		30 BOD ₅ , 30 TSS, , 4.1 NH ₃ -N, 5 DO
Noble	0.76	0.76	Summer	Secondary mechanical (30 BOD ₅ , 30 TSS)	30 BOD ₅ , 30 TSS, 5DO
			Spring		Secondary mechanical (30 BOD ₅ , 30 TSS)
			Winter		
Lexington	0.261	0.261	Summer	Secondary mechanical (30 BOD ₅ , 30 TSS)	Secondary mechanical (30 BOD ₅ , 30 TSS)
			Spring		
			Winter		
Purcell	0.65	0.78	Summer	Secondary (30 BOD ₅ , 90 TSS)	Secondary (30 BOD ₅ , 90 TSS)
			Spring		
			Winter		

N/A: Not applicable

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 **May 20, 2015** 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:		MINCO		CITY/TOWN:		MINCO	
FACILITY LEGAL LOCATION**:		S27 T10N R07W W/NE/NE		COUNTY:		GRADY	
POINT OF DISCHARGE LOCATION:		R07W T10N S27 W/SW/NW		SEGMENT:		520610	
POD LATITUDE:		35° 18' 58" N		POD LONGITUDE:		97° 55' 30" W	
OPDES #	OKG580057			Facility ID #:	S-20610		
CURRENT TREATMENT PROCESS:		LAGOONS					
PRESENT AVG. DAILY FLOW (MGD):		0.149		2010 CENSUS POPULATION:		1,632	
DESIGN AVG. DAILY FLOW (MGD):		0.215		YEAR 2035 PROJECTED POPULATION:		2,150	
RECEIVING STREAM:		Buggy Creek (OK Waterbody ID: OK520610020120_00) to the Canadian River					
STREAM CLASS:		Intermittent		7 DAY 2 YEAR LOW FLOW (MGD):		0.0	
DMA:	CITY OF MINCO			DMA STATUS:	APPROVED		
WASTELOAD ALLOCATION*:		Spring Limits (Apr- May): 12 mg/L CBOD ₅ , 30 mg/l TSS, 3.7 mg/L NH ₃ -N, and 5 mg/L DO Summer Limits (Jun- Oct): No discharge Winter Limits (Nov - Mar): Secondary [30 mg/L BOD ₅ and 90 mg/l TSS]					
Strategy: Recommended Treatment Alternatives							
A)	Upgrade						
B)	Land Application						
C)	Total Retention						
						EPA Approval Date:	Pending
						Record Last Update:	3/12/15
*Updated WLA based on Wasteload Allocation Study (October 2014) in Canadian River (Union City to Wayne, Oklahoma)							
**Updated based on permit (6/10/2011).							

FACILITY 208:		TUTTLE* (proposed)		CITY/TOWN:		TUTTLE	
FACILITY LEGAL LOCATION*:		S20 T10N R05W SE/NE/SE		COUNTY:		GRADY	
POINT OF DISCHARGE LOCATION*:		S20 T10N R05W SE/NE/SE		SEGMENT:		520610	
POD LATITUDE*:		35° 15' 44" N		POD LONGITUDE*:		96° 13' 43" W	
OPDES #	Pending			Facility ID #:	Pending		
CURRENT TREATMENT PROCESS:		Mechanical (Proposed)					
PRESENT AVG. DAILY FLOW (MGD):		N/A		2010 CENSUS POPULATION:		N/A	
DESIGN AVG. DAILY FLOW (MGD)*:		0.5		YEAR 2035 PROJECTED POPULATION:		5,304	
RECEIVING STREAM*:		Worley Creek (OK Waterbody ID: OK520610020030_00) to the Canadian River					
STREAM CLASS:		Intermittent		7 DAY 2 YEAR LOW FLOW (MGD):		0.0	

FACILITY 208:		TUTTLE* (proposed)		CITY/TOWN:		TUTTLE			
DMA:		CITY OF TUTTLE		DMA STATUS:		APPROVED			
WASTELOAD ALLOCATION*:		Spring & Winter Limits (Nov- May): 30 mg/L BOD ₅ and 30 mg/l TSS Summer Limits (Jun- Oct): 8 mg/L CBOD ₅ , 10 mg/l TSS, 2.3 mg/L NH ₃ -N, and 6.5 mg/L DO							
Strategy: Recommended Treatment Alternatives									
A)		Land Application							
B)		Total Retention							
						EPA Approval Date:		Pending	
						Record Last Update:		3/12/2015	
*Updated WLA based on Wasteload Allocation Study (October 2014) in Canadian River (Union City to Wayne, Oklahoma)									

FACILITY 208:		MUSTANG		CITY/TOWN:		MUSTANG			
FACILITY LEGAL LOCATION**:		S28 T11N R05W E/E/NW		COUNTY:		CANADIAN			
POD LOCATION:		S21 T10N R05W NW/NW/SE		SEGMENT:		520610			
POD LATITUDE:		35° 19' 31" N		POD LONGITUDE:		97° 43' 56" W			
OPDES #:		OK0026816		FACILITY ID #:		S-23543			
CURRENT TREATMENT PROCESS:		SEQUENTIAL BATCH REACTOR							
PRESENT AVG. DAILY FLOW (MGD):		1.1		2010 CENSUS POPULATION:		17,395			
DESIGN AVG. DAILY FLOW (MGD)*:		3.0		YEAR 2035 PROJECTED POPULATION:		30,000			
RECEIVING STREAM:		Canadian River (OK Waterbody ID: OK520610020010_00)				Stream Class:		Perennial	
7-day 2-year low flow in MGD (7Q2)		ANNUAL 7Q2		4.41 MGD		SPRING 7Q2		50.2 MGD	
		SUMMER 7Q2		4.41 MGD		WINTER 7Q2		31.1 MGD	
DMA:		MUSTANG IMPROVEMENT AUTHORITY		DMA STATUS:		APPROVED			
WASTELOAD ALLOCATION*:		Spring Limits (Apr- May): 9 mg/L CBOD ₅ , 10 mg/l TSS, 3.75 mg/L NH ₃ -N, and 5 mg/L DO Summer Limits (Jun- Oct): 7 mg/L CBOD ₅ , 10 mg/l TSS, 1.4 mg/L NH ₃ -N, and 6.5 mg/L DO Winter Limits (Nov - Mar): 13.5 mg/L CBOD ₅ , 22 mg/l TSS, 4.1 mg/L NH ₃ -N, and 5 mg/L DO							
Recommended Treatment Alternatives									
A)		Advanced Treatment							
B)		Total Retention							
C)		Land Application							
						EPA Approval Date:		Pending	
						Record Last Updated:		3/12/15	
*Updated WLA based on Wasteload Allocation Study (October 2014) in Canadian River (Union City to Wayne, Oklahoma)									
**Updated based on permit (9/27/2010).									

FACILITY 208:		OKLAHOMA CITY, S CANADIAN		CITY/TOWN:		OKLAHOMA CITY	
FACILITY LEGAL LOCATION:		S30 T10N R03W NE/SE/SW		COUNTY:		OKLAHOMA	
POINT OF DISCHARGE LOCATION:		S30 T10N R03W NE/SE/SW		SEGMENT:		520610	
POD LATITUDE**:		35° 18' 287" N		POD LONGITUDE**:		97° 33' 34" W	
OPDES #		OK0038385		Facility ID #:		S-23528	

FACILITY 208:		OKLAHOMA CITY, S CANADIAN		CITY/TOWN:	OKLAHOMA CITY	
CURRENT TREATMENT PROCESS:		SEQUENTIAL BATCH REACTOR				
PRESENT AVG. DAILY FLOW (MGD):		1.24	2010 CENSUS POPULATION:		44,629	
DESIGN AVG. DAILY FLOW (MGD)*:		8.66	YEAR 2035 PROJECTED POPULATION:		72,840	
RECEIVING STREAM:		Unnamed Tributary to Canadian River (OK Waterbody ID: OK520610010010_20)				
STREAM CLASS:		Intermittent	7 DAY 2 YEAR LOW FLOW (MGD):		0.0	
DMA:		Oklahoma City Water Utilities Trust	DMA STATUS:		APPROVED (Rev 10/5/2010)	
WASTELOAD ALLOCATION*:		Spring Limits (Apr- May): 5 mg/L CBOD₅, 10 mg/l TSS, 0.8 mg/L NH₃-N, and 7.4 mg/L DO Summer Limits (Jun- Oct): 3 mg/L CBOD₅, 10 mg/l TSS, 0.6 mg/L NH₃-N, and 6.5 mg/L DO Winter Limits (Nov - Mar): 18 mg/L CBOD₅, 30 mg/l TSS, 4.1 mg/L NH₃-N, and 6 mg/L DO				
Strategy: Recommended Treatment Alternatives						
A)		New Facility				
B)		Land Application				
c)		Advanced Treatment				
					EPA Approval Date:	Pending
					Record Last Update:	3/12/15
*Updated WLA based on Wasteload Allocation Study (October 2014) in Canadian River (Union City to Wayne, Oklahoma)						
**Updated based on permit (5/28/2009).						

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 stream generator, and stream 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:		P	SEGMENT:		520610
CRITICAL EFFLUENT FLOW(MGD):		0.189	PROJECTED MAXIMUM FLOW (MGD):		
POINT OF DISCHARGE:		S35 T10N R04W NE/SW/NW			
LATITUDE:		35° 18' 01" N		LONGITUDE:	97° 35' 28" W
WASTELOAD ALLOCATION*: For Dissolved Oxygen Demanding Substances (Final Discharge only, no internal monitoring points)		Spring & Winter Limits (Nov- May): 30 mg/L BOD₅ and 30 mg/l TSS Summer Limits (Jun- Oct): 9 mg/L CBOD₅, 10 mg/l TSS, 3.2 mg/L NH₃-N, and 4 mg/L DO Year-Round pH: 6.5 - 9.0 s.u Monthly Average Limits			

FACILITY 208:	OG & E McClain Generating Station*	CITY/TOWN:	Newcastle
		Free Available Chlorine: 0.2 mg/L	
		Daily Maximum Limits	
		Free Available Chlorine: 0.5 mg/L	
		Free Available Oxidant: Non-detect	
EPA APPROVAL DATE:			Pending
RECORD LAST UPDATE:			3/12/2015
*Updated WLA based on Wasteload Allocation Study (October 2014) in Canadian River (Union City to Wayne, Oklahoma)			

FACILITY 208:	MOORE	CITY/TOWN:	MOORE
FACILITY LEGAL LOCATION:	S35 T10N R03W SE/SE/NW	COUNTY:	CLEVELAND
POINT OF DISCHARGE LOCATION:	S06 T09N R03W NE/NW/NE	SEGMENT:	520610
POD LATITUDE**:	35° 17' 28" N	POD LONGITUDE:	97° 33' 06" W
OPDES #	OK0027391	Facility ID #:	S-20614
CURRENT TREATMENT PROCESS:	ROTATING BIOLOGICAL CONTACTORS		
PRESENT AVG. DAILY FLOW (MGD):	3.14	2010 CENSUS POPULATION:	55,081
DESIGN AVG. DAILY FLOW (MGD)*:	9.0	YEAR 2035 PROJECTED POPULATION:	87,166
RECEIVING STREAM:	Unnamed Tributary to Canadian River (OK Waterbody ID: OK520610010010_20)		
STREAM CLASS:	Intermittent	7 DAY 2 YEAR LOW FLOW (MGD):	0.0
DMA:	CITY OF MOORE / MOORE PWA	DMA STATUS:	APPROVED
WASTELOAD ALLOCATION*:	Spring Limits (Apr- May): 6 mg/L CBOD ₅ , 10 mg/l TSS, 1.4 mg/L NH ₃ -N, and 7.4 mg/L DO Summer Limits (Jun- Oct): 5 mg/L CBOD ₅ , 10 mg/l TSS, 1.4 mg/L NH ₃ -N, and 6.5 mg/L DO Winter Limits (Nov - Mar): 15 mg/L CBOD ₅ , 20 mg/l TSS, 4.1 mg/L NH ₃ -N, and 7.4 mg/L DO		
Strategy: Recommended Treatment Alternatives			
A)	Land Application		
B)	Advanced Treatment		
EPA Approval Date:			Pending
Record Last Update:			3/12/15
*Updated WLA based on Wasteload Allocation Study (October 2014) in Canadian River (Union City to Wayne, Oklahoma)			
**Updated based on permit (4/9/2010).			

FACILITY 208:	NEWCASTLE	CITY/TOWN:	NEWCASTLE
FACILITY LEGAL LOCATION:	S14 T09N R04W NE/NE/SW	COUNTY:	McClain
POD LOCATION*:	S18 T09N R03W SW/NW/SW	SEGMENT:	520610
POD LATITUDE*:	35° 15' 09" N	POD LONGITUDE*:	97° 33' 48" W
OPDES #:	OK0028614	FACILITY ID #:	S- 20615
CURRENT TREATMENT PROCESS:	EXTENDED AERATION		
PRESENT AVG. DAILY FLOW (MGD):	0.307	2010 CENSUS POPULATION:	7,685
DESIGN AVG. DAILY FLOW (MGD)*:	0.852	YEAR 2035 PROJECTED POPULATION:	8,520
RECEIVING STREAM*:	Canadian River (OK Waterbody ID: OK520610010010_10)	Stream Class:	Perennial

FACILITY 208:		NEWCASTLE		CITY/TOWN:		NEWCASTLE	
7-day 2-year low flow in MGD (7Q2)		ANNUAL 7Q2	14.5 MGD	SPRING 7Q2	128.6 MGD		
		SUMMER 7Q2	14.5 MGD	WINTER 7Q2	98.5 MGD		
DMA:	TOWN OR NEWCASTLE / NEWCASTLE PWA			DMA STATUS:	APPROVED		
WASTELOAD ALLOCATION*:		Year round:20 mg/L BOD ₅ , 30 mg/l TSS					
Recommended Treatment Alternatives							
A)	Enlarge Existing Facility						
B)	Upgrade						
C)	Land Application						
						EPA Approval Date:	3/24/1987
						Record Last Updated:	10/30/1989
*Updated WLA based on Wasteload Allocation Study (October 2014) in Canadian River (Union City to Wayne, Oklahoma)							

FACILITY 208:		NORMAN		CITY/TOWN:		NORMAN	
FACILITY LEGAL LOCATION**:		S07 T08N R02W S/SE/SE		COUNTY:		CLEVELAND	
POD LOCATION**:		S18 T08N R02W NW/NE/SE		SEGMENT:		520610	
POD LATITUDE:		35° 09' 59" N		POD LONGITUDE:		97° 26' 40" W	
OPDES #:		OK0029190		FACILITY ID #:		S- 20616	
CURRENT TREATMENT PROCESS**:		Activated Sludge					
PRESENT AVG. DAILY FLOW (MGD):		7.4	2010 CENSUS POPULATION:		110,925		
DESIGN AVG. DAILY FLOW (MGD):		16.0	YEAR 2035 PROJECTED POPULATION:		143,000		
RECEIVING STREAM:	Canadian River (OK Waterbody ID: OK520610010010_05)			Stream Class:	Perennial		
7-day 2-year low flow in MGD (7Q2)		ANNUAL 7Q2	14.5 MGD	SPRING 7Q2	128.6 MGD		
		SUMMER 7Q2	14.5 MGD	WINTER 7Q2	98.5 MGD		
DMA:	CITY OF NORMAN / NORMAN UTILITY AUTHORITY			DMA STATUS:	APPROVED		
WASTELOAD ALLOCATION*:		Spring Limits (Apr- May): 13 mg/L CBOD ₅ , 30 mg/l TSS, 4.1 mg/L NH ₃ -N, and 5.0 mg/L DO Summer Limits (Jun- Oct): 8.0 mg/L CBOD ₅ , 10 mg/l TSS, 1.6 mg/L NH ₃ -N, and 6.5 mg/L DO Winter Limits (Nov - Mar): 25 mg/L CBOD ₅ , 30 mg/l TSS, 4.1 mg/L NH ₃ -N, and 5.0 mg/L DO					
Recommended Treatment Alternatives							
A)	Upgrade						
B)	Advanced Treatment						
						EPA Approval Date:	Pending
						Record Last Updated:	3/12/15
*Updated WLA based on Wasteload Allocation Study (October 2014) in Canadian River (Union City to Wayne, Oklahoma)							
**Updated based on permit (6/28/2010).							

FACILITY 208:		NOBLE, NORTH		CITY/TOWN:		NOBLE	
FACILITY LEGAL LOCATION**:		S21 T08N R02W SE/NW/SE		COUNTY:		CLEVELAND	

FACILITY 208:	NOBLE, NORTH	CITY/TOWN:	NOBLE
POD LOCATION:	S28 T08N R02W SE/SE/NE	SEGMENT:	520610
POD LATITUDE:	35° 08' 21" N	POD LONGITUDE:	97° 24' 26" W
OPDES #:	OK0031755	FACILITY ID #:	S- 20651
CURRENT TREATMENT PROCESS:	EXTENDED AERATION		
PRESENT AVG. DAILY FLOW (MGD):	0.38	2010 CENSUS POPULATION:	6,481
DESIGN AVG. DAILY FLOW (MGD):	0.76	YEAR 2035 PROJECTED POPULATION:	7,600
RECEIVING STREAM:	Canadian River (OK Waterbody ID: OK520610010010_05)	Stream Class:	Perennial
7-day 2-year low flow in MGD (7Q2)	ANNUAL 7Q2	14.5 MGD	SPRING 7Q2
	SUMMER 7Q2	14.5 MGD	WINTER 7Q2
			128.6 MGD
			98.5 MGD
DMA:	CITY OF NOBLE / NOBLE UTILITY AUTHORITY	DMA STATUS:	APPROVED
WASTELOAD ALLOCATION*:	Spring & Winter Limits (Nov- May): Secondary [30 mg/L BOD5 and 30 mg/l TSS] Summer Limits (Jun- Oct): 30 mg/L BOD ₅ , 30 mg/l TSS, and 5 mg/L DO		
Recommended Treatment Alternatives			
A)	Upgrade		
EPA Approval Date:			Pending
Record Last Updated:			3/12/15
*Updated WLA based on Wasteload Allocation Study (October 2014) in Canadian River (Union City to Wayne, Oklahoma).			
**Updated based on permit (5/18/2009).			

FACILITY 208:	LEXINGTON	CITY/TOWN:	LEXINGTON
FACILITY LEGAL LOCATION:	S07 T06N R01W SW/NW/SE	COUNTY:	CLEVELAND
POD LOCATION:	S07 T06N R01W SW/NW/SE	SEGMENT:	520610
POD LATITUDE**:	35° 00' 18" N	POD LONGITUDE**:	97° 20' 40" W
OPDES #:	OK0022756	FACILITY ID #:	S- 20619
CURRENT TREATMENT PROCESS:	EXTENDED AERATION		
PRESENT AVG. DAILY FLOW (MGD):	0.19	2010 CENSUS POPULATION:	2,152
DESIGN AVG. DAILY FLOW (MGD):	0.261	YEAR 2035 PROJECTED POPULATION:	2,610
RECEIVING STREAM:	Canadian River (OK Waterbody ID: OK520610010010_05)	Stream Class:	Perennial
7-day 2-year low flow in MGD (7Q2)	ANNUAL 7Q2	14.5 MGD	SPRING 7Q2
	SUMMER 7Q2	14.5 MGD	WINTER 7Q2
			128.6 MGD
			98.5 MGD
DMA:	LEXINGTON PWA	DMA STATUS:	APPROVED
WASTELOAD ALLOCATION*:	Year round: Secondary [30 mg/L BOD ₅ and 30 mg/l TSS]		
Recommended Treatment Alternatives			
A)	Upgrade		
B)	Regional Treatment		
C)	Refer to ACOG plan		
EPA Approval Date:			Pending
Record Last Updated:			3/12/15

FACILITY 208:	LEXINGTON	CITY/TOWN:	LEXINGTON
*Updated WLA based on Wasteload Allocation Study (October 2014) in Canadian River (Union City to Wayne, Oklahoma).			
**Updated based on permit (8/19/2009).			

FACILITY 208:	PURCELL	CITY/TOWN:	PURCELL
FACILITY LEGAL LOCATION**:	S02 T06N R02W NE/SE/SW	COUNTY:	CLEVELAND
POD LOCATION**:	S13 T06N R02W NE/SE/NE	SEGMENT:	520610
POD LATITUDE:	34° 59' 45" N	POD LONGITUDE:	97° 21' 12" W
OPDES #:	OK0028533	FACILITY ID #:	S- 20622
CURRENT TREATMENT PROCESS:	LAGOONS		
PRESENT AVG. DAILY FLOW (MGD):	0.53	2010 CENSUS POPULATION:	5,884
DESIGN AVG. DAILY FLOW (MGD)*:	0.78	YEAR 2035 PROJECTED POPULATION:	7,800
RECEIVING STREAM:	Canadian River (OK Waterbody ID: OK520610010010_05)	Stream Class:	Perennial
7-day 2-year low flow in MGD (7Q2)	ANNUAL 7Q2	14.5 MGD	SPRING 7Q2
	SUMMER 7Q2	14.5 MGD	WINTER 7Q2
			128.6 MGD
			98.5 MGD
DMA:	CITY OF PURCELL	DMA STATUS:	APPROVED
WASTELOAD ALLOCATION*:	Year round: Secondary [30 mg/L BOD ₅ and 90 mg/l TSS]		
Recommended Treatment Alternatives			
A)	Land Application		
B)	Upgrade		
EPA Approval Date:			Pending
Record Last Updated:			3/12/15
*Updated WLA based on Wasteload Allocation Study (October 2014) in Canadian River (Union City to Wayne, Oklahoma).			
**Updated based on permit (5/23/2013).			



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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