

National Pollutant Discharge Elimination System (NPDES)
Oklahoma Department of Environmental Quality Discharge Monitoring Report (DMR)

PERMITTEE NAME: City of Broken Arrow
MAILING ADDRESS: P.O. Box 610
FACILITY: Broken Arrow, OK 74013
LOCATION: Broken Arrow WWT
NESESES11T17NR14EIM
Broken Arrow, OK 74013

PERMIT NUMBER: OK0040053

MONITORING POINT: 001A

COUNTY:

Tulsa

Monitoring Period :

2023-06-01 To: 2023-06-30

NO DISCHARGE FROM SITE:

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Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type	
		Average	Maximum		Minimum	Average	Maximum					
BOD, 5-DAY (20 DEG. C)	Sample Measurement	209.79	*****	26 lbs/day	*****	5.14	5.80	19 mg/l	0	Five Per Week	COMP12	
PARAM CODE: 00310 Stage Code: 1 Effluent Gross	Permit Requirement	2001.6 Monthly Average	*****		*****	30 Monthly Average	45 Weekly Average			Five Per Week	COMP12	
PH	Sample Measurement	*****	*****	26 lbs/day	7.2	*****	7.5	12 S.U.	0	Daily	GRAB	
PARAM CODE: 00400 Stage Code: 1 Effluent Gross	Permit Requirement	*****	*****		6.5 Minimum	*****	9.0 Maximum			Daily	GRAB	
SOLIDS, TOTAL SUSPENDED	Sample Measurement	158.49	*****	26 lbs/day	*****	3.88	4.82	19 mg/l	0	Five Per Week	COMP12	
PARAM CODE: 00530 Stage Code: 1 Effluent Gross	Permit Requirement	2001.6 Monthly Average	*****		*****	30 Monthly Average	45 Weekly Average			Five Per Week	COMP12	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	Sample Measurement	4.930	5.596	03 MGD	*****	*****	*****		0	Daily	TOTALZ	
PARAM CODE: 50050 Stage Code: 1 Effluent Gross	Permit Requirement	Report Monthly Average	Report Maximum Daily		*****	*****	*****			Daily	TOTALZ	
CHLORINE, TOTAL RESIDUAL	Sample Measurement	*****	*****		*****	*****	2.33	19 mg/l	1	Daily	GRAB	
PARAM CODE: 50060 Stage Code: A Disinfection, Process Complete	Permit Requirement	*****	*****		*****	*****	0.099 Instantaneous Maximum			Daily	GRAB	
E.COLI	Sample Measurement	*****	*****		*****	4.1	9.7	30 MPN/100mL	0	Twice Every Week	GRAB	
PARAM CODE: 51040 Stage Code: 1 Effluent Gross	Permit Requirement	*****	*****		*****	126 Geometric Mean	406 Maximum Daily			Twice Every Week	GRAB	
SOLIDS, TOTAL DISSOLVED-180 DEG.C	Sample Measurement	25905	*****	26 lbs/day	*****	627	627	19 mg/l	0	Monthly	COMP12	
PARAM CODE: 70300 Stage Code: 1 Effluent Gross	Permit Requirement	77929 Monthly Average	*****		*****	1168 Monthly Average	1168 Maximum Daily			Monthly	COMP12	
Name/Title of Principal Executive Officer Or Authorized Agent	I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.							Signature of Principal Executive Officer Or Authorized Agent	Telephone No			
WRF Manager								David Handy	539-367-5873			

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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COUNTY: Tulsa

Monitoring Period : 2023-06-01 To: 2023-06-30 **NO DISCHARGE FROM SITE:** ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type		
		Average	Maximum		Minimum	Average	Maximum						
MERCURY, TOTAL (AS HG)	Sample Measurement	0.0021	*****	26 lbs/day	*****	< 0.05	< 0.05	28 ug/l	0	Monthly	COMP12		
PARAM CODE: 71900 Stage Code: 1 Effluent Gross	Permit Requirement	0.0635 Monthly Average	*****		*****	0.952 Monthly Average	1.9 Maximum Daily						
Name/Title of Principal Executive Officer Or Authorized Agent		I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.								Signature of Principal Executive Officer Or Authorized Agent	Telephone No		
WRF Manager									David Handy		539-367-5873		

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GENERAL REPORT COMMENT:

On Wednesday June 7, 2023 at approximately 7:50am, an Operator was performing a calibration drawdown on the sodium bisulfite pumps. The Operator failed to open the feed valve on the incoming line from the sodium bisulfite tank after the conclusion of the test. At approximately 9:24am, the Lab Operator performed a TRC test on the Effluent discharge. He recorded 2.33 mg/L for the sample and 2.29 mg/L for the duplicate. He alerted Operators of an excursion and the closed valve was discovered. At 10:33am the Lab Operator performed a second TRC and the results were <0.04 for both sample and duplicate. The Operator performing the calibration drawdown was alerted to his mistake and a sign was put at the location of the drawdown tube to warn Operators of the operation of the valves for drawdown purposes.