



Tuesday, October 25, 2016

Roshini Nambiar, Municipal Pretreatment Coordinator  
Oklahoma Department of Environmental Quality  
Municipal Wastewater Enforcement Section  
Water Quality Division  
PO Box 1677  
Oklahoma City, OK 73101-1677

Re: FY 2016 Pretreatment Annual Report to DEQ  
RMUA/Haikey Creek WWTP  
OPDES Permit Number OK0034363

Dear Ms. Nambiar:

The RMUA/Haikey Creek WWTP Industrial Pretreatment Program Annual Report for the period October 1, 2015 through September 30, 2016 is hereby submitted. Please note the following general comments in addition to the required forms:

Report of Changes to the Approved Pretreatment Program

There have been no changes made or requested to the RMUA/Haikey Creek WWTP Approved Industrial Pretreatment Program.

Industrial User Wastewater Survey

The IU Wastewater Survey is continually updated in Broken Arrow. All new commercial/industrial utility customers are given a one-page short survey to fill out before they can obtain water service. The surveys are then forwarded to the pretreatment office. A comprehensive IU Survey is performed every 5 years and will be performed again in 2017. No new industrial permits were added to the City of Broken Arrow Industrial Pretreatment Program as a result of the survey during this time period. All records pertaining to the survey are kept at the pretreatment office for your review.

Report on Pass Through, Upset and/or Interference

There have been no instances of pass through, upset or interference resulting in OPDES permit violations known or suspected to have been caused by industrial users at any of the POTW covered under the RMUA/Haikey Creek WWTP Industrial Pretreatment Program.

Report on Other Administrative Activities

During the 2015-2016 pretreatment year no industrial users were published as significantly non-compliant (SNC).

Pollution Prevention

Both City of Broken Arrow and City of Tulsa place a high value on pollution prevention. Please read the following list of activities for FY 2016:

- Broken Arrow MET Recycle Center yearly totals: Antifreeze recycled = 950 gal; Cooking oil recycled = 100 gal; Motor oil recycled = 10,740 gal
- Tulsa MET Recycle Centers combined yearly totals: Antifreeze recycled = 275 gal; Cooking oil recycled = 600 gal; Motor oil recycled = 6,052 gal



- Reasor's Broken Arrow cooking oil recycle station yearly total = 296 gal
- 482 food handling establishment (FHE) inspections were performed in Broken Arrow. Inspections consist of: looking at manifests for grease interceptor maintenance, checking the grease interceptors for signs of proper maintenance and repair, and discussing best management practices (BMP). FHEs with maintenance issues are given 15 days to correct them. Re-checks are performed to ensure compliance.
- Tulsa FOG BMP program staff performed surveys, office visits, and investigations. Tulsa's Partners for a Clean Environment, PACE, program provides website recognition, pledges and decals for display to FHEs who participate and are in good-standing with Tulsa BMP requirements.
- Tulsa FOG Workshop for FHE Employees was held.
- Grease-related sanitary sewer overflows (SSOs) are being tracked and responded to on an individual basis in Broken Arrow. Sewer system collection crews camera the line after an SSO to determine the cause and provide reports to pretreatment staff. City pretreatment staff distribute cooking oil collection bottles and recycling guidance to residents in problem neighborhoods.
- Cooking oil collection bottles and recycling guidance were given to Broken Arrow Adult Care/Assisted Living Facilities and is continually available to residents at Broken Arrow City Hall.
- Broken Arrow pretreatment staff developed a food truck, catering and concession stand database and began surveying companies operating in Broken Arrow for details about the type of cooking done and wastewater disposal sites. These businesses are being asked to discharge wash water at a facility with a grease interceptor. Special attention is given to the maintenance records at such facilities.
- Tulsa Pretreatment staff require all mobile food vendors to have a wastewater disposal plan approved in order to receive their business license. The vendors are inspected yearly.
- A new FHE BMP was created and is being distributed in Broken Arrow at this time. The new BMP is a sign that management is being asked to display for employees to view.
- In Broken Arrow, FHEs without grease abatement equipment are being asked to install the equipment. Seven FHEs installed equipment this year.
- Broken Arrow pretreatment staff hosted a bottle decorating contest for 2<sup>nd</sup> graders in Broken Arrow Public Schools. Students were given cooking oil collection bottles to decorate and take home along with recycling information. The winners were given Toys R Us gift cards.
- Broken Arrow pretreatment staff hosted two Kid's Corner booths at the Broken Arrow Farmer's Market. The first was an Earth Day event. Kids spent the day coloring a book with water conservation, recycling, and fats, oil & grease pollution prevention facts. At the second Kid's corner booth, kids were given cooking oil collection bottles to decorate and take home to use in their own kitchen. They were also given recycling information.
- Tulsa pretreatment staff attended Earth Day events, Home and Garden Show, Sustainable Tulsa meeting, OSU Lifelong learning group and had displays at Reasor's Grocery Store locations.
- Broken Arrow pretreatment staff made a presentation at the annual Homeowner's Association Workshop about FOG Pollution Prevention and the importance of recycling used cooking oil.
- Broken Arrow pretreatment staff developed an auto shop database, survey, and BMP. Inspections consist of going over best management practices and checking hazardous/waste manifests.





- Tulsa pretreatment staff operate a pharmaceutical/medical disposal program, a dental mercury amalgam program, a silver BMP program and a radiator BMP program.

This concludes the report summary; the report is to follow. If you have any questions, please contact me at (918) 455-4762 or [lwilson@brokenarrowok.gov](mailto:lwilson@brokenarrowok.gov).

Sincerely,

Lauren Wilson  
Pretreatment Coordinator  
City of Broken Arrow/ RMUA

cc: Rick Hudson, RMUA Chairman c/o Sherry Gaston, RMUA Administrator  
Michael Spurgeon, City Manager, City of Broken Arrow  
Kenny Schwab, Assistant City Manager of Operations, City of Broken Arrow  
Anthony Daniel, Director of Utilities, City of Broken Arrow  
Clayton Edwards, Water and Sewer Department Director, City of Tulsa  
Cindy Cantero, Pretreatment Manger, City of Tulsa

**RMUA/Haikey Creek WWTP**  
**Industrial Pretreatment Program**

**OPDES Permit # OK0034363**

**Annual Report to the Oklahoma Department of Environmental Quality**

**October 1, 2015 to September 30, 2016**

RMUA  
INDUSTRIAL PRETREATMENT PROGRAM  
ANNUAL REPORT

CERTIFICATION STATEMENT

"I hereby 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."

Regional Metropolitan Utility Authority  
Control Authority

Oct. 1, 2015 to Sep. 30, 2016  
Report Date

Anthony Daniel, City of Broken Arrow  
Name of Responsible Official

Director of Utilities  
Title

  
Signature

## SECTION 1

### *PRETREATMENT PERFORMANCE SUMMARY*

## PRETREATMENT PERFORMANCE SUMMARY (PPS)

Page 1 of 2

### ***I. General Information***

Regional Metropolitan Utility Authority

Control Authority Name

Attention Sherry Gaston: 175 E. 2<sup>nd</sup> Street, Suite 08-217, Tulsa, OK 74013

Mailing Address 1

Attention Lauren Wilson: P.O. Box 610, Broken Arrow, OK 74013

Mailing Address 2

Lauren Wilson, Pretreatment Coordinator

Contact Person, Position

(918) 455-4762

(Area Code) Contact Telephone

OK0034363

OPDES Permit Number(s)

Begin Date: 10/1/2015

End Date: 09/30/2016

Reporting Period

### ***II. Significant Industrial User Compliance***

<u>Record the Number of SIU Who:</u>		<u>SIGNIFICANT INDUSTRIAL USERS</u>	
		<u>Categorical</u>	<u>Non-categorical</u>
1.	a. Submitted a BMR	<u>N/A</u>	<u>N/A</u>
	b. Were Required to Submit a BMR	<u>N/A</u>	<u>N/A</u>
2.	a. Submitted a 90-Day Compliance Report	<u>N/A</u>	<u>N/A</u>
	b. Were Required to Submit a 90-Day Report	<u>N/A</u>	<u>N/A</u>
3.	a. Submitted Required Self-monitoring Reports	<u>2</u>	<u>4</u>
	b. Were Required to Submit Self-monitoring Reports	<u>2</u>	<u>4</u>
4.	a. Met a Compliance Schedule	<u>0</u>	<u>0</u>
	b. Were Required to Meet a Compliance Schedule	<u>0</u>	<u>0</u>
5.	a. Were in Significant Noncompliance (SNC)	<u>0</u>	<u>0</u>
<u>Additional Information:</u>			
6.	Total Number of SIU	<u>2</u>	<u>4</u>
7.	Rate of SNC for <u>all</u> SIU (categorical & non-categorical)	<u>0</u> %	

## PRETREATMENT PERFORMANCE SUMMARY (PPS)

Page 2 of 2

### III. Compliance Monitoring Program

<u>Record the Number of:</u>		<u>SIGNIFICANT INDUSTRIAL USERS</u>	
		<u>Categorical</u>	<u>Non-categorical</u>
1.	a. Issued Control Documents	<u>0</u>	<u>0</u>
	b. Required Control Documents	<u>0</u>	<u>0</u>
2.	a. Facilities Inspected	<u>2</u>	<u>4</u>
	b. Inspections Conducted	<u>2</u>	<u>7</u>
3.	a. Facilities Sampled	<u>2</u>	<u>4</u>
	b. Samplings Conducted	<u>8</u>	<u>75</u>

### IV. Enforcement Actions

<u>Record the Number of:</u>		<u>SIGNIFICANT INDUSTRIAL USERS</u>	
		<u>Categorical</u>	<u>Non-categorical</u>
1.	a. Compliance Schedules Issued	<u>0</u>	<u>0</u>
	b. Compliance Schedules Required	<u>0</u>	<u>0</u>
2.	Notices of Violation (NOV) Issued	<u>0</u>	<u>0</u>
3.	Administrative Orders (AO) Issued	<u>0</u>	<u>0</u>
4.	Civil Suits Filed	<u>0</u>	<u>0</u>
5.	Criminal Suits Filed	<u>0</u>	<u>0</u>
6.	Significant Violators Published	<u>0</u>	<u>0</u>
7.	SIU that were Assessed Penalties	<u>0</u>	<u>0</u>
8.	Dollars of Penalties Collected	<u>\$0</u>	<u>\$0</u>
9.	Other Actions (sewer bans, etc.)	<u>0</u>	<u>0</u>



## **SECTION 2**

### *SIGNIFICANT INDUSTRIAL USERS PRETREATMENT PROGRAM STATUS REPORT*

**PRETREATMENT PROGRAM STATUS REPORT**  
**Updated Significant Industrial User List**

SIGNIFICANT INDUSTRIAL USER (SIU) NAME AND ADDRESS	SIC CODE	CATEGORICAL/ NONCATEGORICAL	CONTROL DOCUMENT		ADDED/ DELETED (A, D, N/A)	NUMBER of TIMES SAMPLED		NUMBER of TIMES INSPECTED	COMPLIANCE STATUS (C, NC, SNG, N/A)			
			Y/N	Last Action		City	SIU		REPORTS			
									BMR	90-Day Compliance	Self- Monitoring	EFFLUENT LIMITS
Hillcrest Hospital South 8801 South 101 <sup>st</sup> East Ave. TUL	8062	Non Categorical	Yes	06/03/15	N/A	8	2	2	N/A	N/A	C	C
Saint Francis Hospital South 6161 South Yale Ave. TUL	8062	Non Categorical	Yes	11/07/14	N/A	4	1	2	N/A	N/A	C	C
Southwest Regional Medical Center 10109 East 79 <sup>th</sup> St. TUL	8062	Non Categorical	Yes	09/04/15	N/A	9	2	2	N/A	N/A	C	C
Broken Arrow Powder Coatings 2051 W. SW. Expressway Dr. BA	3444	Categorical	Yes	01/01/15	N/A	1	4	1	N/A	N/A	C	C
CSI Aerospace 2020 W. Detroit BA	3444	Categorical	Yes	05/01/12	N/A	1	4	1	N/A	N/A	C	C
Unifirst Corporation 2100 N. Beech BA	7218	Non Categorical	Yes	10/13/12	N/A	1	48	1	N/A	N/A	C	C

## **SECTION 3**

### *NON-COMPLIANT INDUSTRIAL USERS*

[illegible]

**Additional Notes:**

## SECTION 4

### *SIGNIFICANTLY NON-COMPLIANT INDUSTRIAL USERS*

[illegible]

**Additional Notes:**



## SECTION 5

### *NEWSPAPER PUBLICATION OF SIGNIFICANTLY NON- COMPLIANT INDUSTRIAL USERS*

No Industrial User in the Haikey Creek Wastewater Treatment Plant Basin was determined to be significantly non-compliant for the period of October 1, 2015 to September 30, 2016. Subsequently, no newspaper publication was made for this period.

## **SECTION 6**

### *COMPLIANCE SCHEDULES*

No Industrial User in the Haikey Creek Wastewater Treatment Plant Basin was required to be on a Compliance Schedule for the year of October 1, 2015 through September 30, 2016.

## **SECTION 7**

*HAIKEY CREEK WASTEWATER TREATMENT PLANT*

*WATER QUALITY BASED EFFLUENT  
CONCENTRATIONS*

POTW MONITORING RESULTS SUMMARY TABLE

Regional Metropolitan Utility Authority - Haikey Creek Wastewater Treatment Plant

TABLE III: METALS CYANIDE PHENOLS + Molybdenum	MQL (mg/l)	MDL Used (ug/l)	INFLUENT (mg/l)				EFFLUENT (mg/l)				OKLIMIT (mg/l)	MAHL (TBL) LB/DAY	HEADWORK LOADING FOR THE REPORTING PERIOD LB/DAY				% of MAHL					
			Sample Dates				Sample Dates						Sample Dates									
			11/10/15	2/23/16	5/24/16	8/16/16	11/10/15	2/23/16	5/25/16	8/18/16			11/10/15	2/23/16	5/24/16	8/16/16						
			10.21	11.30	11.59	10.53	9.56	10.86	13.49	10.38												
Flow, mgd																						
Antimony	0.06	0.01	< 0.01	< 0.01	< 0.01	< 0.010	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	N/A	0.42588	0.47100	0.48330	0.43898	0.45479	N/A			
Arsenic	0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.99687	0.42588	0.47100	0.48330	0.43898	0.45479	5.6%			
Beryllium	0.005	0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	N/A	0.21294	0.23550	0.24165	0.21949	0.22740	N/A			
Cadmium	0.001	0.001	< 0.001	< 0.0010	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	0.3989	0.04259	0.04710	0.04833	0.04390	0.04548	0.8%			
Chromium	0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.84451	0.42588	0.47100	0.48330	0.43898	0.45479	0.6%			
Copper	0.01	0.01	< 0.01	0.0662	0.0789	0.0918	0.0582	< 0.0100	< 0.01	< 0.01	< 0.01	< 0.01	0.12816	0.42588	6.23606	7.62652	8.05960	5.58702	12.2%			
Lead	0.005	0.005	< 0.005	< 0.0050	< 0.0050	0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.1765	0.21294	0.23550	0.24165	0.45741	0.28668	1.1%			
Mercury	0.0002	0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	< 0.0001	0.00665	0.00426	0.00471	0.00483	0.00439	0.00455	0.3%			
Molybdenum	0.03	0.01	< 0.010	< 0.0100	< 0.01	< 0.01	< 0.010	< 0.0100	< 0.01	< 0.01	< 0.01	< 0.01	N/A	0.42588	0.47100	0.48330	0.43898	0.45479	3.8%			
Nickel	0.04	0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	5.869	0.21294	0.23550	0.24165	0.21949	0.22740	0.7%			
Selenium	0.005	0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.055	6.29	0.21294	0.23550	0.24165	0.21949	3.6%			
Silver	0.002	0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.05605	0.08518	0.09420	0.09666	0.08780	0.09096	0.6%			
Thallium	0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	1.593	0.42588	0.47100	0.48330	0.43898	0.45479	N/A			
Zinc	0.02	0.01	0.0784	0.0836	0.107	0.118	0.060	0.091	0.106	0.0526	0.71509	24.53	6.67783	7.87515	10.34268	10.35983	8.81387	35.9%				
Sample Dates			11/10/15	2/23/16	5/24/16	8/16/16	11/10/15	2/23/16	5/25/16	8/18/16				11/10/15	2/23/16	5/24/16	8/16/16					
Flow, mgd			10.21	11.30	11.59	10.53	9.56	10.86	13.49	10.38												
Cyanide	0.01	0.006	< 0.006	< 0.006	< 0.006	< 0.00600	< 0.006	< 0.006	< 0.006	< 0.006	0.12718	8.18	0.25545	0.28273	0.28998	0.26346	0.27291	3.3%				
Total Phenolics	N/A	0.03	< 0.025	0.236	0.086	0.082	0.165	< 0.025	< 0.025	< 0.025	N/A	N/A	1.06439	22.24111	8.31281	7.20126	9.70489	N/A				
OTHER POLLUTANTS DETECTED (TABLE II)	MQL (ug/l)	MDL (ug/l)	INFLUENT (ug/l)				EFFLUENT (ug/l)				OKLIMIT (ug/l)	MAHL (TBL) LB/DAY	HEADWORK LOADING FOR THE REPORTING PERIOD. LB/DAY				% of MAHL					
			Sample Dates				Sample Dates						Sample Dates									
			2/23/16	2/23/16	2/23/16	2/23/16	2/23/16	2/23/16	2/23/16	2/23/16			2/23/16	2/23/16	2/23/16	2/23/16		2/23/16	2/23/16	2/23/16	2/23/16	Average
Phenol	10	10		14.2										1.33764	1.33764	---	---	1.38	N/A			
Methylene Chloride	5	5		7										0.65940	0.65940	---	---	0.659	N/A			

Note: Influent and effluent samples should be collected considering flow detention time through the POTW

\*VALUES BELOW DETECTION LEVEL ARE CALCULATED AS 1/2 THE VALUE\*

Note: Only table II values above MDL will be recorded

BDL Not detected above MDL

MDL Method Detection Limit

MDL EPA Region 6 Minimum Quantification Level (Analytical MDL should meet this criteria so that data can be used for Local Limit assessments and OPDES application data.)