



Utilities Department
Post Office Box 610
Broken Arrow, Oklahoma 74013

To: Broken Arrow Mayor Craig Thurmond, Chairperson, Regional Metropolitan Utility Authority

From: Lauren Wilson, Pretreatment Coordinator, City of Broken Arrow

Date: Wednesday, August 24, 2016

Subject: June through August 2016 RMUA Quarterly Pretreatment Report

Dear Mayor Thurmond,

All Broken Arrow Significant Industrial Users (SIU) in the Haikey Creek Wastewater Treatment Plant Basin are currently in compliance with City of Broken Arrow Pretreatment regulations as listed in the City of Broken Arrow Discharge Permits and City Ordinance.

The following is a brief synopsis of the major activities of the Broken Arrow Industrial Pretreatment Program for, June to August 2016. This update is in regards to pretreatment issues and industrial wastewater discharges pertaining to the R.M.U.A.'s Haikey Creek WWTP.

June 2016

Fats, Oil & Grease (FOG) Program:

1. City of Broken Arrow pretreatment staff inspected 62 food handling establishments (FHE) in the month of June.

Staff inspected manifests for grease interceptor (GI) maintenance, looked at GI, and discussed best management practices. FHEs with improperly-maintained interceptors have been asked to perform maintenance immediately. Re-checks are done for non-compliance issues.

2. Pretreatment staff developed a food truck/concession stand database and survey to track mobile and seasonal food vendors operating in Broken Arrow. Vendors will be surveyed to determine how wash water is being handled.
3. City pretreatment staff met with the two most frequently used grease haulers in Broken Arrow, Brook's Grease and Advanced Microbial. City staff lined out FOG program procedures and expectations for grease interceptor maintenance. Most FHEs are given schedules by their grease hauler, pretreatment staff expressed the need for more frequent maintenance at many facilities. Contact information was exchanged

and both grease haulers conveyed their company's desire to procure a positive working relationship with City of Broken Arrow.

Grease-Related Sanitary Sewer Overflows (SSO) & Response:

1. City of Broken Arrow pretreatment staff distributed fats, oil, & grease pollution prevention materials to residents in neighborhood at 111th & Oak as a response to a grease-related sanitary sewer overflow.
2. Stream samples were collected at 91st & Olive in response to a sanitary sewer overflow into Haikey Creek. Samples were analyzed for dissolved oxygen, ammonia, and fecal coliform. Samples are analyzed to measure the impact to the stream. City of Broken Arrow sewer collection system crew pumped stream and hauled contents to the Lynn Lane WWTP.

Industrial Pretreatment Activities:

1. City of Broken Arrow wastewater discharge permits require the permit holder to perform scheduled (either semi-annual, quarterly or monthly) self-monitoring for specific contaminants and report the analytical results to the City by the 15th of the following month. The following reports/certifications were received and reviewed in the month of June:
 - Unifirst compliance monitoring report and laboratory analysis. No deficiencies noted.

**Surcharges for Bio-chemical Oxygen Demand (BOD), Total Suspended Solids (TSS), and Oil & Grease above residential thresholds were issued to Unifirst as a result of June laboratory analysis in the amount of \$4,333.54.*
2. Pretreatment staff developed an auto shop database and best management practice that will be distributed to every auto shop in Broken Arrow beginning in September. Best Management Practice lists expectations the City has for hazardous waste hauling, spill cleanup, and record keeping. Auto shops will be inspected yearly for compliance with pretreatment regulations.

July 2016

Fats, Oil & Grease (FOG) Program:

1. City pretreatment staff inspected 50 food handling establishments (FHE) in the month of July.

Staff inspected manifests for grease interceptor (GI) maintenance, looked at GI, and discussed best management practices for facilities with grease abatement equipment. FHEs with improperly maintained interceptors have been asked to have it pumped immediately. Re-checks are done for non-compliance issues.
2. Began surveying mobile and seasonal food vendors. No grease abatement equipment. Pretreatment staff are discussing Best Management Practices and asking vendors to discharge wash water at a facility that has a grease interceptor. Most vendors are already doing this because it is a preliminary requirement for a license in Tulsa.

Grease-Related SSO and Response:

1. Met with Maintenance Manager at Forest Hills Adult Care Facility at 81st & Olive. This facility is a repeat offender for discharging large quantities of grease into the City sewer system. Their new Maintenance Manager agreed to increase the GI pumping schedule. City sewer collection system crews have put the manhole directly downstream of this facility on their watch list.
3. City of Broken Arrow wastewater discharge permits require the permit holder to perform scheduled (either semi-annual, quarterly or monthly) self-monitoring for specific contaminants and report the analytical results to the City by the 15th of the following month. The following reports/certifications were received and reviewed in the month of July:
 - Unifirst compliance monitoring report and laboratory analysis. No deficiencies noted.

**Surcharges for Bio-chemical Oxygen Demand (BOD), Total Suspended Solids (TSS), and Oil & Grease above residential thresholds were issued to Unifirst as a result of March laboratory analysis in the amount of \$5,596.78.*

Community Awareness:

City pretreatment staff is working to inform Broken Arrow residents about pollution prevention practices that can be put in place at their homes to decrease chances of sewer back-ups and help keep fats, oil & grease out of the City sewer system.

City staff hosted a Kid's Corner booth at the Broken Arrow Farmer's Market on Saturday, July 23rd. Children were given storage bottles to decorate for collecting used cooking oil at their homes. Parents were given information about recycling used cooking oil in Broken Arrow.

August 2016:

1. City pretreatment staff inspected 21 food handling establishments (FHEs) in August.

Staff inspected manifests for grease interceptor (GI) maintenance, looked at GI, and discussed best management practices for facilities with grease abatement equipment. FHEs with improperly maintained interceptors have been asked to have it pumped immediately. Re-checks are done for non-compliance issues.
2. City of Broken Arrow wastewater discharge permits require the permit holder to perform scheduled (either semi-annual, quarterly or monthly) self-monitoring for specific contaminants and report the analytical results to the City by the 15th of the following month. The following reports/certifications were received and reviewed in the month of August:
 - Unifirst compliance monitoring report and laboratory analysis. No deficiencies noted.
 - Broken Arrow Powder Coating compliance monitoring report and laboratory analysis. No deficiencies noted.

*Surcharges for Bio-chemical Oxygen Demand (BOD), Total Suspended Solids (TSS), and Oil & Grease above residential thresholds have not been calculated for August laboratory analysis.

Grease-Related SSO and Response:

City of Broken Arrow pretreatment staff distributed fats, oil, & grease pollution prevention materials to maintenance personnel at Villas at Aspen Park as a response to a grease-related sanitary sewer overflow. Maintenance personnel agreed to distribute cooking oil collection bottles and recycling instructions to residents.

Thank you for your continued support of the City of Broken Arrow/RMUA industrial pretreatment program. Should you have any questions or concerns please do not hesitate to contact me at the Broken Arrow Lynn Lane WWTP office.

Sincerely,

A handwritten signature in black ink that reads "Lauren Wilson". The signature is written in a cursive, flowing style.

Lauren Wilson
Pretreatment Coordinator
City of Broken Arrow
Phone: 918.455.4762 Fax 918.455.4172
Email: lwilson@brokenarrowok.gov