

PRETREATMENT PERFORMANCE SUMMARY (PPS)

NOTE: ALL QUESTIONS REFER TO THE INDUSTRIAL PRETREATMENT PROGRAM AS APPROVED BY ADEQ. THE PERMITTEE SHOULD NOT ANSWER THE QUESTIONS BASED ON CHANGES MADE TO THE APPROVED PROGRAM WITHOUT DEPARTMENT AUTHORIZATION.

I. General Information

Control Authority Name City of Bentonville

Address 117 West Central Avenue

City Bentonville **State/Zip** Arkansas, 72712

Contact Person Roman Rios **Position** Lab/Pretreatment Supervisor

Contact Telephone 479-696-3161 **NPDES Permit Nos.** AR0022403

Reporting Period November 1, 2018 to October 31, 2019
(Beginning Month, Day and Year) (Ending Month, Day and Year)

Total Number of Categorical IU's 0

Total Number of Significant Non-Categorical IU's 1

Total Number of Non-Significant (Yet Permitted) IU's 0

II. Significant Industrial User Compliance

	<u>SIGNIFICANT INDUSTRIAL USERS</u>	
	<u>Categorical</u>	<u>Non-Categorical</u>
1) No. of SIUs Submitting BMRs/Total No. Required.....	<u>0 / 0</u>	<u>0 / 0</u>
2) No. of SIUs Submitting 90-Day Compliance Reports / No. Required.....	<u>0 / 0</u>	<u>0 / 0</u>
3) No. of SIUs Submitting Semiannual Reports / Total No. Required.....	<u>0 / 0</u>	<u>1 / 1</u>
4) No. of SIUs Meeting Compliance Schedule / Total No. Required to Meet Schedule.....	<u>0 / 0</u>	<u>0 / 0</u>
5) No. of SIUs in Significant Noncompliance / Total No. of SIUs.....	<u>0 / 0</u>	<u>0 / 0</u>
6) Rate (%) of Significant Noncompliance for all SIUs (categorical and noncategorical).....	<u>0/1</u>	

III. Compliance Monitoring Program

	<u>SIGNIFICANT INDUSTRIAL USERS</u>	
	<u>Categorical</u>	<u>Non-Categorical</u>
1) No. of Control Documents Issued / Total No. Required.....	<u>0</u> / <u>0</u>	<u>1</u> / <u>1</u>
2) No. of Non-sampling Inspections Conducted / Total No. Required.....	<u>0</u> / <u>0</u>	<u>1</u> / <u>1</u>
3) No. of Sampling Visits Conducted / Total No. Required.....	<u>0</u> / <u>0</u>	<u>1</u> / <u>1</u>
4) No. of Facilities Inspected (nonsampling) / Total No. Required.....	<u>0</u> / <u>0</u>	<u>1</u> / <u>1</u>
5) No. of Facilities Sampled / Total No. Required.....	<u>0</u> / <u>0</u>	<u>1</u> / <u>1</u>

IV. Enforcement Actions

	<u>SIGNIFICANT INDUSTRIAL USERS</u>	
	<u>Categorical</u>	<u>Non-Categorical</u>
1) No. of Compliance Schedules Issued/No. of Schedules Required.....	<u>0</u> / <u>0</u>	<u>0</u> / <u>0</u>
2) No. of Notices of Violations Issued to SIUs	<u>0</u> / <u>0</u>	<u>0</u> / <u>0</u>
3) No. of Administrative Orders Issued to SIUs	<u>0</u> / <u>0</u>	<u>0</u> / <u>0</u>
4) No. of Civil Suits Filed.....	<u>0</u> / <u>0</u>	<u>0</u> / <u>0</u>
5) No. of Criminal Suits Filed.....	<u>0</u> / <u>0</u>	<u>0</u> / <u>0</u>
6) No. of Significant Violators (attach newspaper publication).....	<u>0</u> / <u>0</u>	<u>0</u> / <u>0</u>
7) Amount of Penalties (not surcharges) Collected (total dollars/IUs assessed).....	<u>\$ -</u> / <u>\$ -</u>	<u>\$ -</u> / <u>\$ -</u>
8) Other Actions (sewer bans, etc.).....	<u>0</u> / <u>0</u>	<u>0</u> / <u>0</u>

The following certification must be signed in order for this form to be considered complete:

I certify that the information contained herein is complete and accurate to the best of my knowledge.

Nancy Busen
 Nancy Busen, Wastewater Utilities Manager
 Authorized Representative

12-16-19
 Date

MONITORING RESULTS FOR THE ANNUAL PRETREATMENT REPORT

REPORTING YEAR: November 1, 2018 TO October 31, 2019
TREATMENT PLANT: City of Bentonville
NPDES PERMIT #: AR0022403
AVERAGE POTW FLOW (MGD): 3.5997
% IU FLOW: 0.36

TABLE III METALS, CYANIDE, and PHENOLS	MAHC (Total) (ug/L) (2)	INFLUENT DATES SAMPLED ug/L				WQ Level/ Limit (ug/L) (2)	EFFLUENT DATES SAMPLED ug/L				LABORATORY ANALYSIS		
		Once/Quarter					Once/Quarter				EPA MQL (ug/L) (1)	EPA Method Used (1)	Detection Level Achieved
		Date	Date	Date	Date		Date	Date	Date	Date			
Antimony	N/A	< 60	< 60	< 60	< 60	N/A	< 60	< 60	< 60	< 60	60	EPA 200.8	60
Arsenic	27	1.1	1.6	90	20	346.1	< 0.5	< 0.5	3.0	4.2	0.5	EPA 200.8	0.5
Beryllium	12	< 0.5	< 0.5	< 0.5	< 0.5	6.0	< 0.5	< 0.5	< 0.5	< 0.5	0.5	EPA 200.8	0.5
Cadmium	26	< 0.5	< 0.5	< 0.5	< 0.5	7.1	< 0.5	< 0.5	< 0.5	< 0.5	0.5	EPA 200.8	0.5
Chromium (Hex)	831	< 10	< 10	22	< 10	11.9	< 10	< 10	< 10	< 10	10	EPA 200.8	10
Copper	270	14	29	45	15	41.5	3.6	6.2	4.6	2.8	0.5	EPA 200.8	0.5
Lead	84	0.56	1.1	1.6	< 0.5	18.9	< 0.5	< 0.5	< 0.5	< 0.5	0.5	EPA 200.8	0.5
Molybdenum	29	< 10	< 10	< 10	< 10	N/A	< 10	< 10	< 10	< 10	10	EPA 200.8	10
Nickel	195	3.2	5.5	8.2	4.2	426.6	2.0	2.7	2.7	2.5	0.5	EPA 200.8	0.5
Selenium	11	< 5	< 5	< 5	< 5	5.6	< 5	< 5	< 5	< 5	5	EPA 200.8	5
Silver	121	0.62	0.91	0.91	< 0.5	20.1	< 0.5	< 0.5	< 0.5	< 0.5	0.5	EPA 200.8	0.5
Thallium	N/A	< 0.5	< 0.5	< 0.5	< 0.5	N/A	< 0.5	< 0.5	< 0.5	< 0.5	0.5	EPA 200.8	0.5
Zinc	500	69	140	250	140	374.9	50	37	44	27	20	EPA 200.8	20
Mercury (ng/L)	0.20	0.0087	0.020	0.045	0.030	0.014	< 0.0005	< 0.0005	0.0011	< 0.0005	0.0005	EPA 1631E	0.0005
Cyanide (mg/L)	19	< 0.01	< 0.01	< 0.01	< 0.01	5.9	< 0.01	< 0.01	< 0.01	< 0.01	0.01	SM 4500-CN C,E 2011	0.01
Phenolics (mg/L)	N/A	0.024	0.042	0.13	< 0.005	N/A	< 0.005	0.020	< 0.005	< 0.005	0.005	EPA 420.1	0.005
Flow, MGD	N/A	4.0399	2.9032	2.5891	4.4803	N/A	6.0485	3.4392	2.3650	7.1763			
TABLE II (3)	MAHC (Total) (ug/L) (2)	INFLUENT DATES SAMPLED ug/L				WQ Level/ Limit (ug/L) (2)	EFFLUENT DATES SAMPLED ug/L				LABORATORY ANALYSIS		
		Once/Quarter					Once/Quarter				EPA MQL (ug/L) (1)	EPA Method Used (1)	Detection Level Achieved
		Date	Date	Date	Date		Date	Date	Date	Date			
Toluene	N/A		6/3-4/19			N/A		6/5-6/19			10	EPA 624.1	5

(1) It is advised that the influent and effluent samples are collected considering flow detention time through each plant. Analytical MQLs must be met for the effluent (and SHOULD be met for the influent) so the data can also be used for Local Limits assessment and NPDES application purposes.

(2) This value was calculated during the development of TBLL based on State WQ criteria, EPA guidance and either ADEQ Pretreatment staff Excel spreadsheets or the Permittee's consultant with concurrence from Pretreatment staff.

(3) Record the name of any pollutant [40 CFR 122, Appendix D, Table II and/or Table V] detected and the concentration at which they were detected.

MAHL - Maximum Allowable Headworks Level / MAHC – Maximum Allowable Headworks Concentration

WQ - "Water Quality Levels not to exceed" OR actual permit limit.

Fats, Oils, and Grease Control Program

Bentonville's major industry has become tourism. Over 240 Grease Control Devices (GCD) are monitored and recorded to reduce the impact of grease related sanitary 'sewer overflows. The program requires grease haulers to be permitted by the pretreatment program and to submit manifest forms monthly for all businesses serviced in Bentonville. Inspections of Food Services Establishments (FSE) with grease interceptors that do not pass the 25% rule are presented with a service required form. Failure to comply with this document, results in issuance of a Notice of Violation of Pretreatment Ordinance 2012-65 and the City of Bentonville Industrial pretreatment program.

Currently, personnel interaction with business and property owners has resulted in cooperation; litigation has not been necessary. The city continues implementing a re-inspection fee of \$100 dollar after the first inspection to a FSE. A substantial number of pretreatment hours are invested in the City of Bentonville Grease Abatement Program. In the 2019 pretreatment year over 432,945 gallons have been pumped from FSE.

Pretreatment also creates and distributes neighborhood flyers for subdivisions that are clogging lift station pumps with "flushable" wipes. Prior to placing door hangers, extensive maintenance was required twice per week to remove wipes. Pretreatment along with maintenance personnel have identify a few of neighborhoods and lift stations that continue to cause some clogging problems. The Bentonville pretreatment division continues to invest money to purchase activities booklets, pens and small promotional kitchen items with related slogans to keep the message fresh in the consumers' minds as part of the outreach program. The outreach program is now maturing and began a science education program. The goal is to use science and plant tours to educate the public about grease, wipes and other non desirable materials in the sanitary sewer. Lift station maintenance and electrical usage far surpasses the cost of the educational outreach.

In recent years the Bentonville pretreatment department has been involved in reviewing and approval of all new GCD. Utilizing the city's plan review process the department keeps observing for new industries that could start operating in Bentonville that might need to obtain a pretreatment permit.