

Gage, Hannah

From: Yates, Adam
Sent: Tuesday, January 10, 2017 4:02 PM
To: Roman Rios; Nancy Busen
Cc: Gage, Hannah; McWilliams, Carrie; Gilliam, Allen; Healey, Richard; Trotta, Jacqueline
Subject: RE: Bentonville's Pretreatment report

Mr. Rios,

City of Bentonville's December 2016 Pretreatment Program Annual Report was received, reviewed, and deemed complete according to the reporting requirements of 40 CFR 403.12(i).

If you have any questions or concerns on this matter, please feel free to contact me.

Kindly,

Adam Yates
Engineer, NPDES Permits Section
Office of Water Quality
Arkansas Department of Environmental Quality
Phone: (501) 682-0617

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From: Roman Rios [<mailto:rrios@bentonvillear.com>]
Sent: Thursday, December 15, 2016 1:18 PM
To: Yates, Adam
Cc: Nancy Busen
Subject: Bentonville's Pretreatment report



WASTEWATER DEPARTMENT
Industrial Pretreatment Division

Thursday, December 15, 2016

Dear Mr. Yates,

Please find attached the Annual Pretreatment Report for the City of Bentonville for the pretreatment year ending October 31, 2016.

If you have any questions or concerns, please contact me at 479-271-3161 or by email at rrios@bentonvillear.com

Sincerely,

Lab/Pretreatment Supervisor
City of Bentonville Wastewater Treatment
1901 N.E. "A" Street
Bentonville, AR 72712

Phone 479 69

CITY OF BENTONVILLE WASTEWATER UTILITIES

PRETREATMENT PERFORMANCE SUMMARY (PPS)

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

I. General Information

Control Authority Name City of Bentonville, AR

Address 117 West Central

City Bentonville State/Zip AR 72712

Contact Person Roman Rios Laboratory/Pretreatment Supervisor
(Position)

Contact Telephone 479 271-3161
(Area Code)

NPDES Permit Nos. AR0022403

Reporting Period November 1, 2015 October 31, 2016
(Beginning month and year) (Ending month and year)

Total Number of Categorical IUs 0

Total Number of Significant Noncategorical IUs 1

II. Significant Industrial User Compliance

	<u>SIGNIFICANT INDUSTRIAL USERS</u>	
	<u>Categorical</u>	<u>Noncategorical</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>	

CITY OF BENTONVILLE WASTEWATER UTILITIES

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III. Compliance Monitoring Program

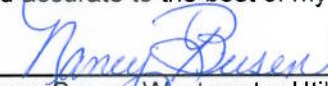
1) No. of Control Documents Issued / Total No. Required	0/0	1 / 1
2) No. of Sampling Inspections Conducted	0	10
3) No. of Sampling Visits Conducted	0	10
4) No. of Facilities Inspected (nonsampling)	0	0
5) No. of Facilities Sampled	0	1

IV. Enforcement Actions

	<u>SIGNIFICANT INDUSTRIAL USERS</u>	
	<u>Categorical</u>	<u>Noncategorical</u>
1) No. of Compliance Schedules Issued / No. of Schedules Required	0 / 0	0 / 0
2) No. of Notices of Violations Issued to SIUs	0	0
3) No. of Administrative Orders Issued to SIUs	0	0
4) No. of Civil Suits Filed	0	0
5) No. of Criminal Suits Filed	0	0
6) No. of Significant Violators (attach newspaper publication)	0	0
7) Amount of Penalties Collected (total dollars / IUs assessed)	\$ 0.00 / 0	\$ 0.00 / 0
8) Other Actions (sewer bans, etc.)	0	0

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.


12-15-16

 Nancy Busen, Wastewater Utilities Manager Date
 Authorized Representative

CITY OF BENTONVILLE WASTEWATER UTILITIES

PRETREATMENT PROGRAM STATUS REPORT
2013 UPDATED SIGNIFICANT INDUSTRIAL USERS LIST

INDUSTRIAL USER	SIC CODE	CATEGORICAL DETERMINATION	CONTROL DOCUMENT		NEW USER	TIMES INSPECTED	TIMES SAMPLED	NOV's ISSUED	COMPLIANCE STATUS				PERMIT LIMITS
			Y / N	LAST ACTION					REPORTS				
									BMR	90-DAY COMPLIANCE	SEMI ANNUAL	SELF MONITORING	
Wal-Mart TMG	4173	N / A	Y		No	1	11	1		N/A	C	C	C

Wal-Mart Fleet Maintenance: None

Collective Food Service Industry:

Bentonville's major industry has become tourism. Over 250 grease interceptors are monitored and recorded to reduce the impact of grease related sanitary 'sewer overflows. Our 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 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. A substantial number of pretreatment hours are invested in the City of Bentonville Grease Abatement Program. In the 2015-2016 pretreatment year over 422,600 gallons have been pumped from food services in Bentonville compared to 370,800 gallons from last year. At the outset of our program, some food services had never serviced their grease interceptors. 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. Small promotional kitchen items with related slogans to keep the message fresh in the consumers' minds, accompanies the educational material. Reduction in 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 grease interceptors.

**Monitoring Results for the ADEQ Annual Pretreatment Report
Bentonville Wastewater Treatment Plant
Reporting Year: November 1, 2015 to October 31, 2016
NPDES Permit # AR0022403
Average POTW Flow 3.67 MGD 0.97 % IU Flow**

METALS, CYANIDE, & PHENOLS (Total)	Units	Maximum Allowable Level Level (µg/l)	Influent Concentrations Dates Sampled				WQ level/ limit (µg/l)	Effluent Concentrations Dates Sampled				MQL (µg/l)	EPA Method Used	Detection Level Achieved (µg/l)
			1/11-12/16	4/11-12/16	7/11-12/16	10/4-5/16		1/13-14/16	4/13-14/16	7/13-14/16	10/6-7/16			
Antimony	(µg/l)	N/A	<60	<60	<60	<60	N/A	<60	<60	<60	<60	60	200.8	0.4
Cadmium	(µg/l)	20	<.5	<.5	<.5	<.5	7	<.5	<.5	<.5	<.5	0.5	200.8	0.4
Copper	(µg/l)	100	20	29	1.8	33	41.1	2.3	2.5	2.5	2.5	0.5	200.8	0.4
Lead	(µg/l)	50	1.1	1.7	<.5	3.2	18.7	<.5	<.5	<.5	<.5	0.5	200.8	0.4
Mercury	(µg/l)	0.03	0.0740	0.1100	0.0400	0.0500	0.012	0.0011	0.0007	0.0014	0.000510	0.002	1631E	2ng/l
Nickel	(µg/l)	130	5.4	10	3.7	7.3	422	3.2	4.7	4.3	5.1	0.5	200.8	0.4
Selenium	(µg/l)	10	<5	<5	<5	<5	5.6	<5	<5	<5	<5	5	200.8	0.4
Silver	(µg/l)	80	1	1.6	<.5	0.9	20	<.5	<.5	<.5	<.5	0.5	200.8	0.4
Zinc	(µg/l)	300	120	210	29	250	373	47	37	33	57	20	200.8	20.0
Chromium	(µg/l)	450	<10	<10	<10	<10	1,255	<10	<10	<10	<10	10	200.8	0.4
Cyanide	(µg/l)	20	<.01	<.01	<.01	<.01	5.8	<.01	<.01	<.01	<.01	10	SM4500-CN C,E	10.0
Arsenic	(µg/l)	N/A	3	5.6	0.52	4.9	N/A	0.62	0.67	0.64	0.92	0.5	200.8	0.4
Molybdenum	(µg/l)	20	<8	<8	<8	<8	N/A	<8	<8	<8	<8		200.8	8.0
Phenols	(µg/l)	N/A	0.049	0.07	0.06	0.09	N/A	0.0094	0.032	<.005	<.005	5	420.1/9065	4.0
Beryllium	(µg/l)	N/A	<.5	<.5	<.5	<.5	N/A	<.5	<.5	<.5	<.5	0.5	200.8	0.4
Thallium	(µg/l)	N/A	<.5	210	<.5	<.5	N/A	<.5	<.5	<.5	<.5	0.5	200.8	0.4
Flow	MGD		4.00	2.84	3.450	2.166		3.709	2.38	3.332	2.598			

Table II Data	Influent	Date	Result	Effluent	Date	Result	Method	Reporting Limit
Di-n-butyl phthalate	Flow 2.48 MGD	6/20-21/16	<10 (µg/l)	Flow 2.57 MGD	6/22-23/16	<10 (µg/l)	EPA 625	10 (µg/l)
Butylbenzyl phthalate *	Flow 2.48 MGD	6/20-21/16	11 (µg/l)	Flow 2.57 MGD	6/22-23/16	<10 (µg/l)	EPA 625	10 (µg/l)
Bis(2-ethylhexyl) phthalate*	Flow 2.48 MGD	6/20-21/16	13 (µg/l)	Flow 2.57 MGD	6/22-23/16	<10 (µg/l)	EPA 625	10 (µg/l)

* Bis(2-ethylhexyl) Phthalates levels have been noticed to be higher when the sample is not collected in a glass carboy. Table II composite samples were collected in a glass carboy in 2016; although lab results show quantified amounts on the P. Influent sample those result are lower than previous years. Also there are no quantifiable amounts of the compound in the effluent.

- (1) It is advised that the influent and effluent samples are collected considering flow detention time through each plant. **Analytical MQLs should be used so that the data can also be used for Local Limits assesment and NPDES application purpose.**
- (2) Record the name of any pollutants [40 CFR 122, Appendix D, Table II and/or

MAHC Table V] detected and the quantity in which they were detected.

WQ Maximum Allowable Headworks Concentration
Water Quality