

# Blytheville Wastewater Pretreatment Annual Report for 2020

Manasco, Barry

Tue 8/17/2021 3:40 PM

To: 'bwingfield@pmico.com' <bwingfield@pmico.com>; 'gcarrblyww@gmail.com' <gcarrblyww@gmail.com>;

Cc: Ramsey, David <RAMSEY@adeq.state.ar.us>; McWilliams, Carrie <mcwilliams2@adeq.state.ar.us>; Sears, Jessica <Jessica.Sears@adeq.state.ar.us>; Healey, Richard <HEALEYR@adeq.state.ar.us>; Lawrence, Myrl <myrl.lawrence@adeq.state.ar.us>; Jain, Anmol <anmol.jain@adeq.state.ar.us>;

Brad,

The Blytheville Wastewater 2020 Pretreatment Program Annual Report was received, reviewed, and deemed complete according to the reporting requirements of 40 CFR 403.12(i).

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

Sincerely,

**Barry Manasco** | Engineer  
**Division of Environmental Quality** | **Office of Water Quality**  
**Permits Branch**

5301 Northshore Drive | North Little Rock, AR 72118

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**ARKANSAS**  
**ENERGY & ENVIRONMENT**



Include NAICS code(s)

3<sup>rd</sup> column - include the CFR # only if the Category has Pretreatment Standards (numeric or narrative)

Please footnote N/A reason



**ATTACHMENT C**

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 BLYTHEVILLE WASTEWATER DEPARTMENT

Address 4834 N.C.R. 639 / PO BOX 1784

City BLYTHEVILLE State/Zip ARKANSAS 72315

Contact Person GARY CARR Position DEPARTMENT MANAGER

Contact Telephone 870-763-4961 NPDES Permit Nos. AR0022560, AR0022578, AR0022586

Reporting Period AUGUST 2020 JULY 2021

(Beginning Month, day and Year) (Ending Month, day and Year)

Total Number of Categorical IUs 3

Total Number of Significant Noncategorical IUs 0

Total Number of Non-Significant (yet permitted) IUs 0

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>N/A*</u>
2) No. of SIUs Submitting 90-Day Compliance Reports / No. Required. . . . .	<u>0/0</u>	<u>N/A*</u>
3) No. of SIUs Submitting Semiannual Reports / Total No. Required. . . . .	<u>3/3</u>	<u>/</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>1/3</u>	<u>0/0</u>
6) Rate (%) of Significant Noncompliance for all SIUs (categorical and noncategorical) . .	<u>0</u>	

III. Compliance Monitoring Program

	<u>SIGNIFICANT INDUSTRIAL USERS</u>	
	<u>Categorical</u>	<u>NonCategorical</u>
1) No. of Control Documents Issued / Total No. Required. . . . .	<u>0/0</u>	<u>0/0</u>
2) No. of Non-sampling Inspections Conducted / Total No. Required. . . . .	<u>3/3</u>	<u>0/0</u>
3) No. of Sampling Visits Conducted / Total No. Required. . . . .	<u>6/6</u>	<u>0/0</u>
4) No. of Facilities Inspected (nonsampling) / Total No. Required. . . . .	<u>3/3</u>	<u>0/0</u>
5) No. of Facilities Sampled / Total No. Required. . . . .	<u>3/3</u>	<u>0/0</u>

IV. Enforcement Actions

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



Authorized Representative

Date July 26-2021

**MONITORING RESULTS FOR THE ANNUAL PRETREATMENT REPORT**

**REPORTING YEAR: July 2020 TO August 2021**

**TREATMENT PLANT: City of Blytheville - West NPDES PERMIT #AR0022560**

**AVERAGE POTW FLOW: 0.453 MGD % IU FLOW: 0 %**

METALS, CYANIDE and PHENOLS	MAHC (Total) (µg/l) (2)	INFLUENT DATES SAMPLED (µg/l) Once/quarter				WQ level/ limit (µg/l) (2)	EFFLUENT DATES SAMPLED (µg/l) Once/quarter				LABORATORY ANALYSIS		
		Date	Date	Date	Date		Date	Date	Date	Date	EPA MQL (µg/l) (1)	EPA Method Used (1)	Detection Level Achieved (µg/l)
		9/23/20	12/22/20	3/31/21	6/23/21		9/23/20	12/22/20	3/31/21	6/23/21			
Antimony	N/A	<1.00	<1.00	<1.00	<1.00	N/A	<1.00	<1.00	<1.00	<1.00	60	EPA-200.8	1
Cadmium		0.126	0.100	<0.100	<0.100	4	<0.100	<0.100	<0.100	<0.100	0.5	EPA-200.8	0.1
Copper		53.8	61.1	11.5	42.9	29.5	13.0	24.5	13.9	9.69	0.5	EPA-200.8	0.5
Lead		1.93	2.97	2.66	1.65	11.7	0.741	0.842	1.33	0.609	0.5	EPA-200.8	0.5
Mercury		17.0	18.0	11.7	11.0	0.013	5.53	12.8	15.9	4.36	.005	1631E	0.5
Nickel		3.61	4.99	3.23	2.06	322.7	2.12	3.30	2.48	2.27	0.5	EPA-200.8	0.5
Selenium		<1.00	<1.00	1.52	<1.00	50.3	<1.00	<1.00	1.12	<1.00	5	EPA-200.8	2
Silver		0.145	0.218	<0.100	0.127	124.4	<0.100	<0.100	<0.100	<0.100	0.5	EPA-200.8	0.1
Zinc		231	314	45.5	161	477.19	49.3	78.1	45.1	36.7	20	EPA-200.8	5
Chromium		1.71	5.63	1.12	<1.00	204.38	<1.00	4.91	<1.00	<1.00	10	EPA-200.8	1
Cyanide		<5	<5	<5	5	84.3	<5	<5	<5	<5	10	4500CNE- 2011	0.01
Arsenic		0.671	1.17	3.34	0.697	N/A	0.740	0.876	2.08	0.894	0.5	EPA-200.8	0.5
Molybdenum						N/A					--		
Phenols	N/A	24.7	34.3	<5	18.7	N/A	6.4	<5	<5	<5	5	420.1	0.5
Beryllium		<0.500	<0.500	<0.500	<0.500	N/A	<0.500	<0.500	<0.500	<0.500	0.5	EPA-200.8	0.5
Thallium	N/A	<0.200	<0.200	<0.200	<0.200	N/A	<0.200	<0.200	<0.200	<0.200	0.5	EPA-200.8	0.005

Flow, MGD	N/A	N/A	N/A	N/A	N/A	N/A	0.275	0.436	0.543	0.560			
(3)													

(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 TBL 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



**MONITORING RESULTS FOR THE ANNUAL PRETREATMENT REPORT**

**REPORTING YEAR: July 2020 TO August 2021**

**TREATMENT PLANT: City of Blytheville - South NPDES PERMIT #AR0022578**

**AVERAGE POTW FLOW: 0.753 MGD % IU FLOW: 0 %**

METALS, CYANIDE and PHENOLS	MAHC (Total) (µg/l) (2)	INFLUENT DATES SAMPLED (µg/l) Once/quarter				WQ level/ limit (µg/l) (2)	EFFLUENT DATES SAMPLED (µg/l) Once/quarter				LABORATORY ANALYSIS		
		Date	Date	Date	Date		Date	Date	Date	Date	EPA MQL (µg/l) (1)	EPA Method Used (1)	Detection Level Achieved (µg/l)
		9/23/20	12/22/20	3/31/21	6/23/21		9/23/20	12/22/20	3/31/21	6/23/21			
Antimony	N/A	<1.00	<1.00	<1.00	<1.00	N/A	<1.00	<1.00	<1.00	<1.00	60	EPA-200.8	1
Cadmium		<0.100	<0.100	0.107	<0.100	4	<0.100	<0.100	<0.100	<0.100	0.5	EPA-200.8	0.1
Copper		33.2	27.8	12.0	17.9	29.5	5.75	15.0	6.99	2.03	0.5	EPA-200.8	0.5
Lead		1.04	0.880	2.34	0.998	11.7	0.505	1.05	1.22	<0.500	0.5	EPA-200.8	0.5
Mercury		7.05	114	13.3	5.20	0.013	6.54	7.09	6.37	3.49	.005	1631E	0.5
Nickel		3.86	3.33	2.91	1.61	322.7	2.20	1.80	2.15	2.13	0.5	EPA-200.8	0.5
Selenium		<1.00	<1.00	1.80	<1.00	50.3	<1.00	<1.00	1.68	<1.00	5	EPA-200.8	2
Silver		<0.100	<0.100	<0.100	<0.100	124.4	<0.100	<0.100	<0.100	<0.100	0.5	EPA-200.8	0.1
Zinc		77.6	135	48.9	111	477.19	27.3	55.9	24.8	<20.00	20	EPA-200.8	5
Chromium		1.38	1.15	3.28	<1.00	204.38	1.28	<1.00	<1.00	<1.00	10	EPA-200.8	1
Cyanide		<5	<5	5	<5	84.3	7	<5	<5	<5	10	4500CNE- 2011	0.01
Arsenic		<0.500	<0.500	2.32	<0.500	N/A	0.947	1.07	2.02	1.10	0.5	EPA-200.8	0.5
Molybdenum						N/A					--		
Phenols	N/A	18.1	7	5	16.0	N/A	<5	<5	<5	<5	5	420.1	0.5
Beryllium		<0.500	<0.500	<0.500	<0.500	N/A	<0.500	<0.500	<0.500	<0.500	0.5	EPA-200.8	0.5
Thallium	N/A	<0.200	<0.200	<0.200	<0.200	N/A	<0.200	<0.200	<0.200	<0.200	0.5	EPA-200.8	0.005

Flow, MGD	N/A	N/A	N/A	N/A	N/A	N/A	0.644	0.627	0.821	0.920			
(3)													

(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

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**MONITORING RESULTS FOR THE ANNUAL PRETREATMENT REPORT**

**REPORTING YEAR: July 2020 TO August 2021**

**TREATMENT PLANT: City of Blytheville - North NPDES PERMIT #AR0022586**

**AVERAGE POTW FLOW: 0.451 MGD % IU FLOW: 20 %**

METALS, CYANIDE and PHENOLS	MAHC (Total) (µg/l) (2)	INFLUENT DATES SAMPLED (µg/l) Once/quarter				WQ level/ limit (µg/l) (2)	EFFLUENT DATES SAMPLED (µg/l) Once/quarter				LABORATORY ANALYSIS		
		Date	Date	Date	Date		Date	Date	Date	Date	EPA MQL (µg/l) (1)	EPA Method Used (1)	Detection Level Achieved (µg/l)
		12/22/20	1/6/21	3/31/21	6/23/21		12/22/20	1/6/21	3/31/21	6/23/21			
Antimony	N/A	1.13	1.13	<1.00	<1.00	N/A	<1.00	<1.00	<1.00	<1.00	60	EPA-200.8	1
Cadmium		<0.100	<0.100	<0.100	<0.100	4	<0.100	<0.100	<0.100	<0.100	0.5	EPA-200.8	0.1
Copper		46.0	46.0	12.5	44.8	29.5	3.64	3.64	5.02	4.15	0.5	EPA-200.8	0.5
Lead		4.53	4.53	2.46	1.52	11.7	<0.500	<0.500	<0.500	<0.500	0.5	EPA-200.8	0.5
Mercury		13.8	13.8	8.50	8300	0.013	2.19	2.19	3.01	7.95	.005	1631E	0.5
Nickel		1300	1300	3.81	3.47	322.7	681	681	69.4	122	0.5	EPA-200.8	0.5
Selenium		<1.00	<1.00	1.22	<1.00	50.3	<1.00	<1.00	<1.00	<1.00	5	EPA-200.8	2
Silver		<0.100	<0.100	<0.100	0.121	124.4	<0.100	<0.100	<0.100	<0.100	0.5	EPA-200.8	0.1
Zinc		1070	1070	59.9	258	477.19	103	103	52.5	44.8	20	EPA-200.8	5
Chromium		548	548	1.47	1.64	204.38	30.5	30.5	11.0	4.76	10	EPA-200.8	1
Cyanide		<5	<5	<5	<5	84.3	5	5	<5	<5	10	4500CNE- 2011	0.01
Arsenic		1.03	1.03	3.92	1.36	N/A	0.873	0.873	1.55	0.598	0.5	EPA-200.8	0.5
Molybdenum						N/A					--		
Phenols	N/A	<5	<5	10.6	14.8	N/A		<5	<5	<5	5	420.1	0.5
Beryllium		<0.500	<0.500	<0.500	<0.500	N/A	<0.500	<0.500	<0.500	<0.500	0.5	EPA-200.8	0.5
Thallium	N/A	<0.200	<0.200	<0.200	<0.200	N/A	<0.200	<0.200	<0.200	<0.200	0.5	EPA-200.8	0.005

Flow, MGD	N/A	N/A	N/A	N/A	N/A	N/A	0.336	0.384	0.5514	0.534			
(3)													

(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.**

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(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.

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WQ - “Water Quality Levels not to exceed” OR actual permit limit