

From: [Belcourt, Jamie](#)
To: gcarrblyww@gmail.com
Cc: [Wassell, Stacie](#); [Healey, Richard](#); [Ramsey, David](#)
Subject: City of Blytheville - August 2022 Annual Pretreatment Report
Date: Tuesday, August 30, 2022 1:04:19 PM
Attachments: [image001.png](#)
[2022 Blytheville Pretreatment Annual Report.pdf](#)

Gary,

The City of Blytheville's August 2022 Pretreatment Program Annual Report was received, reviewed, and deemed complete and compliant according to the reporting requirements of 40 CFR 403.12(i).

Within the submitted report, it was noted that effluent limitations were met. However, it was also noted that there were a total of seventeen (17) monitoring results for nickel, arsenic, antimony, mercury, and chromium, in which the effluent result was higher than the influent result. The City of Blytheville should investigate this further and provide further information on the cause.

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

Regards,

Jamie Belcourt | Pretreatment Coordinator
Division of Environmental Quality | Office of Water Quality
5301 Northshore Drive | North Little Rock, AR 72118
t: 501.682.0858 | e: jamie.belcourt@adeq.state.ar.us



ARKANSAS
ENERGY & ENVIRONMENT

MONITORING RESULTS FOR THE ANNUAL PRETREATMENT REPORT

REPORTING YEAR: July 2021 TO August 2022

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

AVERAGE POTW FLOW: 0.284 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)
		9/28/21	12/21/21	3/18/21	6/24/22		9/28/21	12/21/21	3/18/21	6/24/22			
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	0.233	<0.100	4	<0.100	<0.100	<0.100	<0.100	0.5	EPA-200.8	0.1
Copper		34.6	27.5	69.7	29.7	29.5	9.39	18.9	9.78	8.16	0.5	EPA-200.8	0.5
Lead		1.32	1.67	7.33	2.11	11.7	<0.500	0.705	0.545	0.527	0.5	EPA-200.8	0.5
Mercury		0.0106	0.0163	0.096	0.0117	0.013	0.00638	0.0109	0.00164	0.00463	.005	1631E	0.5
Nickel		1.85	<5.00	4.55	2.30	322.7	2.01	2.48	2.42	2.58	0.5	EPA-200.8	0.5
Selenium		<1.00	<10.0	<1.00	<1.00	50.3	<1.00	<1.00	<1.00	<1.00	5	EPA-200.8	2
Silver		0.129	0.144	0.581	0.105	124.4	<0.100	0.124	<0.100	<0.100	0.5	EPA-200.8	0.1
Zinc		172	213	510	211	477.19	39.7	72.4	43.5	37.3	20	EPA-200.8	5
Chromium		2.44	<10.0	3.49	<1.00	204.38	<1.00	3.13	<1.00	<1.00	10	EPA-200.8	1
Cyanide		<5	<5	<5	<5	84.3	<5	<5	7	<5	10	4500CNE-2011	0.01
Arsenic		<0.500	<5.00	2.47	0.883	N/A	0.738	0.677	0.922	1.34	0.5	EPA-200.8	0.5
Molybdenum						N/A					--		
Phenols	N/A	22.9	34.0	33.4	4.14	N/A	<5	<5	<5	1.54	5	420.1	0.5
Beryllium		<0.500	<2.50	<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	0.335	0.24	0.406	0.153			
(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

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

MONITORING RESULTS FOR THE ANNUAL PRETREATMENT REPORT

REPORTING YEAR: July 2021 TO August 2022

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

AVERAGE POTW FLOW: 0.647 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)
		9/28/21	12/21/21	3/18/22	6/24/22		9/28/21	12/21/21	3/18/22	6/24/22			
Antimony	N/A	<1.00	<1.00	1.16	<1.00	N/A	<1.00	<1.00	<1.00	2.66	60	EPA-200.8	1
Cadmium		<0.100	<0.100	0.159	<0.100	4	<0.100	<0.100	<0.100	<0.100	0.5	EPA-200.8	0.1
Copper		32.2	23.1	36.2	21.9	29.5	3.33	5.70	8.26	1.87	0.5	EPA-200.8	0.5
Lead		1.25	1.02	4.93	1.78	11.7	<0.500	<0.500	<0.500	<0.500	0.5	EPA-200.8	0.5
Mercury		0.00705	0.00530	0.0266	0.0092	0.013	0.00294	0.00256	0.00339	0.00195	.005	1631E	0.5
Nickel		1.78	1.88	2.95	2.36	322.7	1.32	1.15	1.95	3.64	0.5	EPA-200.8	0.5
Selenium		<1.00	<1.00	<1.00	<1.00	50.3	<1.00	<1.00	<1.00	<1.00	5	EPA-200.8	2
Silver		<0.100	<0.100	<0.100	<0.100	124.4	<0.100	<0.100	<0.100	<0.100	0.5	EPA-200.8	0.1
Zinc		216	140	284	222	477.19	22.2	27.6	34.0	<20.0	20	EPA-200.8	5
Chromium		<1.00	<1.00	2.41	1.30	204.38	<1.00	<1.00	<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		0.793	<0.500	1.54	1.01	N/A	0.913	<0.500	0.782	2.66	0.5	EPA-200.8	0.5
Molybdenum						N/A					--		
Phenols	N/A	23.2	14.2	31.6	42.3	N/A	<5	<5	<5	8.2	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	0.573	0.538	0.929	0.546			
(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 2021 TO August 2022

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

AVERAGE POTW FLOW: 0.377 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)
		3/18/22	6/24/22	9/28/21	12/21/21		3/18/22	6/24/22	9/28/21	12/21/21			
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		0.239	<0.100	<.100	0.127	4	<0.100	<0.100	<0.100	<0.100	0.5	EPA-200.8	0.1
Copper		46.8	38.1	49.0	40.6	29.5	2.90	9.57	2.18	14.3	0.5	EPA-200.8	0.5
Lead		3.73	1.02	1.23	1.33	11.7	<0.500	<0.500	<0.500	0.746	0.5	EPA-200.8	0.5
Mercury		.0284	<.0050	.0051	.0074	0.013	<.0005	.00356	.00283	.010	.005	1631E	0.5
Nickel		8.12	20.8	3.13	4.33	322.7	67.9	27.4	91.6	109	0.5	EPA-200.8	0.5
Selenium		<1.00	<1.00	<1.00	<1.00	50.3	<1.00	<1.00	<1.00	<1.00	5	EPA-200.8	2
Silver		0.171	<0.100	0.101	0.136	124.4	<0.100	<0.100	<0.100	<0.100	0.5	EPA-200.8	0.1
Zinc		902	276	278	338	477.19	<20.0	67.8	40.0	127	20	EPA-200.8	5
Chromium		6.80	8.05	1.73	2.38	204.38	2.87	5.06	3.39	21.1	10	EPA-200.8	1
Cyanide		<5	<5	<5	<5	84.3	<5	<5	<5	<5	10	4500CNE-2011	0.01
Arsenic		3.21	0.654	0.569	<0.500	N/A	0.976	1.03	0.706	<0.500	0.5	EPA-200.8	0.5
Molybdenum						N/A					--		
Phenols	N/A	22.0	44.7	46.8	26.5	N/A	<5.00	9.4	<5.00	<5.00	5	420.1	0.5
Beryllium		<0.500	<0.500	<.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	<.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	0.516	0.320	0.282	0.389			
(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

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

ATTACHMENT B

SIGNIFICANT NON-COMPLIANT (SNC) INDUSTRIES - ENFORCEMENT ACTIONS TAKEN

Industrial User Name	Nature of Violation		Number of Action Taken					Penalties Collected	Compliance Schedule		Current Status	Comments
	Reports	Limits	N.O.V.	A.O.	Civil	Criminal	Other		Date Issued	Date Due		
OMINIUM LLC	BOD	300	1								NC	See Below
OMINIUM LLC	Zinc	2.61	1								NC	
<p>Omnium LLC failed testing for BOD in Apr 2021, May 2021, and August 2021. A meeting with the plant manager by superintendent and pretreatment coordinator discussed an action plan in April 2022. The meeting resulted in removal of the permit. The plant is disposing of raw wastewater through Hill Services out of Memphis, TN.</p>												

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 July 2021 August 2022

(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

SIGNIFICANT INDUSTRIAL USERS
Categorical NonCategorical

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>33%</u>	

III. Compliance Monitoring Program

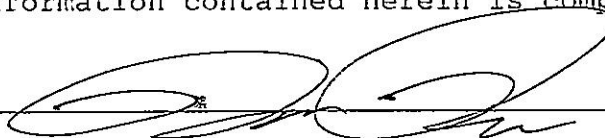
	<u>SIGNIFICANT INDUSTRIAL USERS</u>	
	<u>Categorical</u>	<u>NonCategorical</u>
1) No. of Control Documents Issued / Total No. Required.	<u>0/0</u>	<u>0/0</u>
2) No. of Non-sampling Inspections Conducted / Total No. Required.	<u>3/3</u>	<u>0/0</u>
3) No. of Sampling Visits Conducted / Total No. Required.	<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>2</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 8/9/22