

**Gage, Hannah**

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**From:** Yates, Adam  
**Sent:** Wednesday, November 1, 2017 4:33 PM  
**To:** van buren kim redo  
**Cc:** Gage, Hannah; McWilliams, Carrie; Healey, Richard; Taylor, Bailey  
**Subject:** AR0021482\_Van Buren Oct 2017 Pretreatment Program Annual Report\_20171026  
**Attachments:** Van Buren 2016 Pretreatment Annual Report.pdf

Kim,

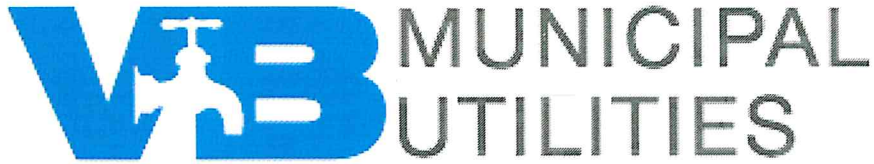
Van Buren Municipal Utilities' October 2017 Pretreatment Program Annual Report was received, reviewed, and deemed complete and compliant with the reporting requirements of 40 CFR 403.12(i). If you have any questions or concerns, please feel free to contact me.

Kindly,

Adam Yates  
Engineer, NPDES Permits Section  
Office of Water Quality  
Arkansas Department of Environmental Quality  
Phone: (501) 682-0617  
Fax: (501) 682-0880

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HAINLL AY



"Providing Water, Sewer, and Sanitation Services"

2806 Bryan Road / P.O. Drawer 1269

Van Buren, Arkansas 72957

479-474-5067 / Fax 479-471-8969

City of Van Buren Municipal Utilities

Commission:  
C.E. Dougan  
J.W. Floyd  
Jim Williamson  
Todd Young  
Keith Hefner

Attorney  
Jacob Howell  
Engineer  
Larry Weir  
Secretary  
Kathy Geppert

October 24, 2017

RECEIVED  
OCT 26 2017  
OCT 30 2017

Arkansas Department of Environmental Quality  
NPDES Permit Branch, Pretreatment Coordinator  
5301 Northshore Drive  
North Little Rock, Arkansas 72218

RE: CERIFIED MAIL #7011 2970 0002 2764 8558  
NPDES Permit AR0021482, AR0040967, AR0037567  
Annual Pretreatment Report

Dear Sirs:

Please find the Annual Pretreatment Program Report for the City of Van Buren Municipal Utilities:

- I. Cover Page
- II. Annual Averages for the Main (South) WWTP AR0021482, North WWTP AR0040967, and Lee Creek Industrial Park (Bekaert) WWTP AR0037567
- III. Main (South) WWTP AR0021482 Influent-Effluent Monitoring Results – Table III
- IV. North WWTP AR0040967 Influent-Effluent Monitoring Results
- V. Attachment A – Pretreatment Report Status Report (PPS) Updated SIU List
- VI. Attachment B – Significant Violations – Enforcement Actions
- VII. Attachment C – Pretreatment Performance Summary (PPS)

If you have any questions or need further information please contact myself or Kim Redo, Pretreatment/Environmental Coordinator.

Sincerely,

  
Steve Dufresne  
Director of Utilities

Cc: Kim Redo, VBMU Pretreatment/Environmental Coordinator  
Pretreatment Program/Annual Report File  
North WWTP/Main WWTP

**Annual Average(s) of Analyses for VBMU Main, North, and Lee Creek Industrial Park WWTP's**

VBMU Main WWTP AR0021482

October 2016 – September 2017

	<u>Influent</u>	<u>Effluent</u>
Flow	2.309 MGD	2.349 MGD
BOD <sub>5</sub> (Nov.-Apr.)	161 mg/L	7 mg/L
CBOD <sub>5</sub>	110 mg/L	5 mg/L
TSS	97 mg/L	7 mg/L
Fecal Coliform	-----	36 colonies/100 mls
Ammonia Nitrogen	24 mg/L	1.14 mg/L

VBMU North WWTP AR0040967

October 2016 – September 2017

	<u>Influent</u>	<u>Effluent</u>
Flow	1.085 MGD	1.085 MGD
CBOD <sub>5</sub> (November-Apr.)	230 mg/L	2.3 mg/L
CBOD <sub>5</sub> (May – October)	160 mg/L	2.2 mg/L
TSS (November-April)	175 mg/L	2.7 mg/L
TSS (May – October)	124 mg/L	1.8 mg/L
Fecal Coliform (April-Sept.)		14 colonies/100 mls
Fecal Coliform (October-March)		5 colonies/100 mls
Ammonia Nitrogen (November –April)		0.15 mg/L
Ammonia Nitrogen (May – October)		0.23 mg/L
Dissolved Oxygen		Low: 6.7 mg/L

VBMU Lee Creek Industrial Park WWTP AR0037567 October 2016 – September 2017

	<u>Influent</u>	<u>Effluent</u>
Flow	0.004 MGD	0.004 MGD
BOD <sub>5</sub>	412 mg/L	3.8 mg/L
TSS	662 mg/L	16.3 mg/L
Fecal Coliform	-----	7 colonies/100 mls

**MONITORING RESULTS FOR THE ANNUAL PRETREATMENT REPORT**  
**REPORTING YEAR: Oct. 1, 2016 TO Sept. 30, 2017**  
**TREATMENT PLANT: City of Van Buren NPDES PERMIT #AR0021482**  
**AVERAGE POTW FLOW: 2.309 MGD % IU FLOW: 40.89%**

METALS, CYANIDE and PHENOLS (Total)	MAHC (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		
		11/8/2016	3/8/2017	5/8/2017	7/31/2017		11/8/2016	3/8/2017	5/8/2017	7/31/2017	EPA MQL (µg/l) (1)	EPA Method Used (1)	Detection Level Achieved (µg/l)
Antimony	N/A	0	0	0	0	N/A	0	0	0	0	60	200.8	60
Cadmium	54.1	0	0	1.9	0.52	126.52	0	0	0	0	0.5	200.8	0.5
Copper	1000.0	11	8.1	7.3	51	431.63	5.8	4.1	4	0.76	0.5	200.8	0.5
Lead	587.2	1.4	0.66	0.59	0.77	587.66	0	0	0	0	0.5	200.8	0.5
Mercury	0.98ug/L	0.077	0.040	0.029	0	0.39 ug/L	0.0063	0.0056	0	0	.005	EPA 245.7	1.8 ng/L
Nickel	426.42	5.5	4.8	5.2	4.8	15071.86	5.5	4.3	3.9	4.0	0.5	200.8	0.5
Selenium	85.28	0	0	0	0	137.76	0	0	0	0	5	200.8	5
Silver	250.00	7.8	0	0	0	112.58	0	0	0	0	0.5	200.8	0.5
Zinc	300.00	56	69	60	110	3461.17	40	62	43	23	20	200.8	20
Chromium, total	1000.0	12	0	0	0	22680.2	0	0	0	0	10	200.8	10
Cyanide	100.00	0	0	0	0	154.01	0	0	0	0	10	SM4500- CN C,E	0.01 mg/L
Arsenic	71.07	5.1	2.4	4.1	2.8	4807.76	2	1.3	1.3	1.9	0.5	200.8	0.5
Molybdenum	63.96	0	0	0	0	N/A	0	0	0	0	--	200.8	0.5
Phenols	N/A	0.032	0.023	0.024	0.067	N/A	0	0	0.012	.011	5	EPA 420.1	0.005 mg/L
Beryllium	100.00	0	0	0	0	173.41	0	0	0	0	0.5	200.8	0.5
Thallium	N/A	0	0	0	0	N/A	0	0	0	0	0.5	200.8	0.5
Flow, MGD	N/A	1.914	2.366	2.765	2.586	N/A	2.041	2.434	2.888	2.632			

\*No MAHC's calculated for these parameters

(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 (from inf-eff charts MAHC column by Larry Weir, Egr.)

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



**MONITORING RESULTS FOR THE ANNUAL PRETREATMENT REPORT**  
**REPORTING YEAR: Oct. 1, 2016 TO Sept. 30, 2017**  
**TREATMENT PLANT: City of Van Buren NPDES PERMIT #AR0040967**  
**AVERAGE POTW FLOW: 1.085 MGD % IU FLOW: 1.32%**

METALS, CYANIDE and PHENOLS (Total)	MAHC (µg/l) (2)	INFLUENT DATES SAMPLED (µg/l) Once/year				WQ level/ limit (µg/l) (2)	EFFLUENT DATES SAMPLED (µg/l) Once/year				LABORATORY ANALYSIS		
		10/3/2016	1/2/2017	6/7/2017	7/11/2017		10/3/2016	1/2/2017	6/7/2017	7/11/2017	EPA MQL (µg/l) (1)	EPA Method Used (1)	Detection Level Achieved (µg/l)
Antimony	N/A	0	0	0	0	N/A	0	0	0	0	60	200.8	60
Cadmium	5.58	0	0	0	0	1.84	0	0	0	0	0.5	200.8	0.5
Copper	31.85	16	26	8	5.1	9.24	6.2	6.8	5.9	5.3	0.5	200.8	0.5
Lead	10.84	0.94	1.3	0.5	0	2.71	0	0	0	0	0.5	200.8	0.5
Mercury	0.03	0.077	0.015	0.033	0	0.0134	0	0	0	0	.005	EPA 245.7	0.0018
Nickel	167.18	4.5	4.7	3.7	4.1	96.96	4.6	4.0	3.9	2.7	0.5	200.8	0.5
Selenium	11.16	0	0	0	0	5.58	0	0	0	0	5	200.8	5
Silver	3.73	0	0	0	0	0.93	0	0	0	0	0.5	200.8	0.5
Zinc	167.71	190	150	58	34	85.53	24	44	22	23	20	200.8	20
Chromium, total	748.99	0	0	0	0	11.81(hex) 295.4(tri)	0	0	0	0	10	200.8	10
Chromium, Hexavalent		0	0	0.0071	0		0	0	0	0	10	SM 3500- Cr B	10
Cyanide	187.2		0	0	0	5.80	0	0	0	0	10	SM4500- CN C,E	0.00001
Arsenic	341.2	5.7	6.5	5.3	3.4	348.96	1.5	1.4	5.5	1.4	0.5	200.8	0.5
Phenols (mg/L)	*	0.040	0.083	0.026	0.011		0.0072	0.0089	0.020	0.0055	5	EPA 420.1	0.000005
Beryllium	11.83	0	0	0	0	5.91	0	0	0	0	0.5	200.8	0.5
Thallium	*	0	0	0	0	N/A	0	0	0	0	0.5	200.8	0.5
Flow, MGD	N/A	0.642	0.714	1.350	1.290	N/A	0.642	0.714	1.350	1.290			

\*No MAHC's calculated for these parameters

(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.

Van Buren North Plant NPDES Permit #AR0040967

(Additional monitoring for Copper & Zinc--reported in ug/L)

**EFFLUENT**

**INFLUENT**

Date	Cu	Zn	Date	Cu	Zn
11/2/2016	9.4	34	11/1/2016	22	130
11/14/2016	8.4				
12/7/2016	4.9	30			
2/2/2017	6.1	24	2/2/2017	14	100
3/16/2017	5.1	20	3/16/2017	16	160
4/5/2017	6.6	16	4/5/2017	15	110
5/3/2017	4.8	9.2	5/3/2017	5.9	50
6/2/2017	6.1	15	6/2/2017	12	86
7/6/2017	4.8	26	7/6/2017	8.9	50
8/2/2017	6.1	32	8/2/2017	16	85
9/7/2017	6.6	33	9/7/2017	97	180



PRETREATMENT PROGRAM STATUS REPORT  
 UPDATED SIGNIFICANT USERS LIST  
 ATTACHMENT A

INDUSTRIAL USER	SIC CODE	Categorical Determination	Control Document		New User	Times Inspected	Times Sampled	BMR	COMPLIANCE STATUS REPORTS			
			Y/N	Last Action					90-DAY COMPLIANCE	SEMI ANNUAL	SELF MONITORING	EFFLUENT LIMITS
Arkansas Lamp Mfg.	1721	Categorical	Y	10/8/2014	no	1	0*	yes	n/a	C	n/a	C*
B & W Plating	1721	Categorical	Y	11/17/2015	no	1	0*	yes	n/a	C	C	C*
FabTech	3400	Categorical	Y	2/28/2016	no	1	2	yes	n/a	C	C	C
River City Coatings	1721	Categorical	Y	9/18/2016	no	1	2	yes	n/a	C	C	C
Simmons Foods	2015	Noncategorical	Y	4/15/2014	no	1	11	yes	n/a	n/a	C	NC
Simmons Poultry Farms	2017	Noncategorical	Y	11/30/2014	no	1	10	yes	n/a	n/a	C	NC
Tate & Lyle	2046	Noncategorical	Y	5/31/2016	no	1	7	yes	n/a	n/a	C	NC
Tyson Foods	2017	Noncategorical	Y	11/30/2018	no	1	3	yes	n/a	n/a	C	NC
Arkansas Valley Truck Wash of America	7542	Noncategorical	Y	12/30/2015	no	1	6	yes	n/a	n/a	C	C

\*Arkansas Lamp Mfg. and B & W Plating - Zero Discharge for entire year - Sampling not possible

SIGNIFICANT VIOLATORS -- ENFORCEMENT ACTIONS TAKEN  
ATTACHMENT B

INDUSTRIAL USER	Nature of Violation		NUMBER OF ACTIONS TAKEN					PENALTIES COLLECTED	DATE ISSUED	DATE DUE	CURRENT STATUS	COMMENTS
	REPORTS	LIMITS	N.O.V.	A.O.	CIVIL	CRIMINAL	OTHER					
Simmons Foods		8X	6	0	0	0	0	yes	n/a	n/a	C	8 BOD excursions
Simmons Prepared Foods		11X	8	0	0	0	0	yes	n/a	n/a	C	11 BOD excursions Flow meter dysfunctional
Tate & Lyle		1X	0	0	0	0	0	yes	n/a	n/a	C	1 BOD excursion
Tyson Foods		2X	1	0	0	0	0	yes	n/a	n/a	C	2 BOD excursions
Arkansas Valley Truck Wash		5X	3	0	0	0	0	no	n/a	n/a	C	1X-Zinc, 2X-TSS, 1X BOD, 1X-pH excursions

PRETREATMENT PERFORMANCE SUMMARY (PPS)  
ATTACHMENT C

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

General Information

Control Authority Name Van Buren Municipal Utilities

Address 2806 Bryan Road, P.O. Drawer 1269

City Van Buren State/Zip Arkansas 72956

Contact Person Steve Dufresne Director  
(Position)

Contact Telephone (479) 474-5067  
(Area Code)

NPDES Permit Nos. AR0021482 & AR0040967

Reporting Period October 1, 2016 September 30, 2017  
(Beginning Month and Year) (Ending Month and Year)

Total Number of Categorical IUs 4

Total Number of Significant Noncategorical IUs 5

II. Significant Industrial User Compliance

SIGNIFICANT INDUSTRIAL USERS

	<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 Semi-annual Reports/ Total No. Required.....	<u>0/0</u>	<u>0/0</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>0/4</u>	<u>0/5</u>
6) Rate of Significant Noncompliance for all SIUs (categorical and noncategorical).....		<u>0/9</u>

Compliance Monitoring Program

1) No. of Control Documents Issued/Total No. Required.....	<u>4/4</u>	<u>5/5</u>
2) No. of Nonsampling Inspections Conducted.....	<u>4/4</u>	<u>5/5</u>
3) No. of Sampling Visits Conducted.....	<u>4/4</u>	<u>41/5</u>

4)	No. of Facilities Inspected (nonsampling).....	<u>4/4</u>	<u>5/5</u>
5)	No. of Facilities Sampled.....	<u>4</u>	<u>5</u>

Enforcement Actions

SIGNIFICANT INDUSTRIAL USERS

		<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>0/4</u>	<u>16/4</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 (newspaper publication attached).....	<u>0</u>	<u>0</u>
7)	Amount of Penalties Collected (total dollars/ IUs Assessed) (Not Surcharges).....	<u>\$0</u>	<u>\$11,920.52/3</u>
8)	Other Actions (sewer bans, etc.).....	<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.

Authorized Representative Steve Dufresne Date 10/24/2017

**STEVE DUFRESNE  
DIRECTOR OF UTILITIES**