

Commission:
Jim Williamson
Todd Young
Keith Hefner
Tracy Burba



2806 Bryan Road / P.O. Drawer 1269
Van Buren, Arkansas 72957
479-474-5067 / Fax 479-471-8969
City of Van Buren Municipal Utilities

Attorney
Sean Brister
Secretary
Kathy Geppert

November 7, 2023

State Pretreatment Coordinator
Arkansas Energy and Environment, Division of Environmental Quality
Office of Water Quality
5301 North Shore Drive
North Little Rock, Arkansas 72218

Via email: Tiana.Toups@adeq.state.ar.us

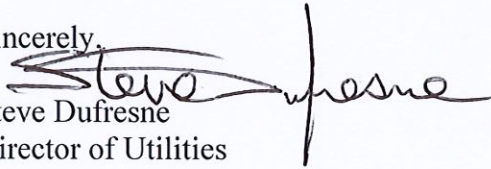
Re: Permit #AR0021482, #AR0040967, & #AR0037567
REVISED
Annual Pretreatment Report for October 1, 2021- September 30, 2022

Dear Pretreatment Coordinator:

Please find the REVISED Annual Pretreatment Program Report October 2021 – September 2022 for the City of Van Buren Municipal Utilities.

If you have any questions or need further information, please contact Pretreatment Coordinator Nathan Gregory, nathan@vbmunicipalutilities.org, VBMU Chief Water & Wastewater Plant Operator James Dunn, james@vbmunicipalutilities.org, or myself, steve@vbmunicipalutilities.org by email or by telephone at 479-474-5067.

Sincerely,


Steve Dufresne
Director of Utilities

Cc: Nathan Gregory, VBMU Pretreatment Coordinator
file

Annual Average(s) of Analyses for City of Van Buren Waste Water Treatment Plants

Average CBOD₅, BOD₅, TSS, Fecal Coliform and flow for the Pretreatment Reporting period
October 2021 – September 2022

Southside Wastewater Treatment Plant AR0021482

	<u>Influent</u>	<u>Effluent</u>
Flow	2.872 MGD	2.797 MGD
BOD ₅ (Nov.-Apr.)	188.5 mg/L	7.8 mg/L
CBOD ₅ (May-Oct.)	195.2 mg/L	3.4 mg/L
TSS	63.1 mg/L	7.2 mg/L
Fecal Coliform	-----	32 colonies/100 mls
Ammonia Nitrogen		0.5 mg/L
Dissolved Oxygen		Low: 5.36 mg/L

Northside Wastewater Treatment Plant AR0040967

	<u>Influent</u>	<u>Effluent</u>
Flow	1.637 MGD	1.508 MGD
CBOD ₅ (November-Apr.)	181.8 mg/L	3.1 mg/L
CBOD ₅ (May – October)	169 mg/L	2.4 mg/L
TSS (November-April)	142.4 mg/L	4.6 mg/L
(May – October)	108.9 mg/L	3.6 mg/L
Fecal Coliform (April-Sept.)		17.4 colonies/100 mls
(October-March)		33.4 colonies/100 mls
Ammonia Nitrogen (November –April)		0.78 mg/L
(May – October)		0.96 mg/L
Dissolved Oxygen		Low: 6.37 mg/L

Lee Creak Industrial Park Wastewater Treatment Plant AR0037567

	<u>Influent</u>	<u>Effluent</u>
Flow	0.007 MGD	0.006 MGD
BOD ₅	296 mg/L	5.25 mg/L
TSS	333.3 mg/L	14.75 mg/L
Fecal Coliform	-----	6.3 colonies/100 mls

(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.

(4) Due to Plant Operator oversight, the majority of Table III Influent/Effluent sampling was not performed at the City of Van Buren Municipal Utilities North Plant NPDES Permit AR0040967 during the First Quarter of 2022 (January – March 2022)

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

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

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 City of Van Buren Municipal Utilities

Address 2806 Bryan Road. P.O. Drawer 1269

City Van Buren State/Zip Arkansas 72956

Contact Person Steve Dufresne Position Director of Utilities

Contact Telephone (479)474-5067 NPDES Permit Nos. AR0021482 & AR0040967

Reporting Period October 1, 2021 September 30, 2022

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

Total Number of Categorical IUs 3

Total Number of Significant Noncategorical IUs 6

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>3/3</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>2/3</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>0/3</u>	<u>0/6</u>
6) Rate (%) of Significant Noncompliance for all SIUs (categorical and noncategorical) . .	<u>0</u>	

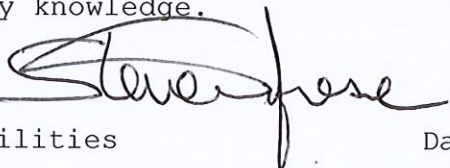
III. Compliance Monitoring Program

	<u>SIGNIFICANT INDUSTRIAL USERS</u>	
	<u>Categorical</u>	<u>NonCategorical</u>
1) No. of Control Documents Issued / Total No. Required.	<u>3/3</u>	<u>6/6</u>
2) No. of Non-sampling Inspections Conducted / Total No. Required.	<u>3/3</u>	<u>6/6</u>
3) No. of Sampling Visits Conducted / Total No. Required.	<u>4/3</u>	<u>32/6</u>
4) No. of Facilities Inspected (nonsampling) / Total No. Required.	<u>3/3</u>	<u>6/6</u>
5) No. of Facilities Sampled / Total No. Required.	<u>3/3</u>	<u>6/6</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>0</u>	<u>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 (attach newspaper publication).	<u>0</u>	<u>0</u>
7) Amount of Penalties (not surcharges) Collected (total dollars/IUs assessed) . . .	<u>\$0</u>	<u>\$51,158/4</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.

Steve Dufresne 
 Director of Utilities

Date 11/7/2023

Commission:
Jim Williamson
Keith Hefner
Chad Adams
Todd Young

VAN BUREN MUNICIPAL UTILITIES
"Providing Water, Sewer, and Sanitation Services"
2806 Bryan Road / P.O. Drawer 1269
Van Buren, Arkansas 72957
479-474-5067 / Fax 479-471-8969
Van Buren Municipal Utilities

Attorney
Sean Brister
Secretary
Kathy Geppert

Certified Mail #7011 2970 0002 2763 9990

Mr. Brian Clifton
Simmons Foods
2101 Twin Circle Drive
Van Buren, AR 72956

February 2, 2022

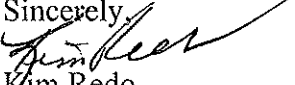
Re: Permit #VB2015-24: Notice of Violation

Dear Mr. Clifton:

During a recent monitoring visit performed January 25-27, 2022, the samples tested for BOD₅ exceeded the maximum discharge limit as set forth in permit #VB2015-24. Please respond to this allegation in writing explaining why this violation occurred, length of this excursion, corrective actions taken, and any preventative measures incorporated. A separate penalty billing shall follow.

Please be aware that additional enforcement action may be pursued if corrections are not incorporated in a timely manner. The explanation of this violation does not excuse it or any previous violations.

If you have any questions, feel free to call me any time.

Sincerely,

Kim Redo
Environmental Coordinator

Simmons Foods, Inc. & Affiliates
601 N. Hico Street | P.O. Box 430
Siloam Springs, AR 72761



February 10, 2022

Ms. Kim Redo
Environmental Coordinator
Van Buren Municipal Utilities
P.O. Drawer 1269
Van Buren, Arkansas 72956

RE: Permit #VB2015-24; Notice of Violation

Dear Ms. Redo:

In review of the recent letters of notice, dated December 13, 2021 and February 2, 2022, we want to offer the following explanation and remedial actions to prevent this from occurring again.

We believe the sample for November 2021 and January 25-27, 2022, exceeded maximum permit limit due to lack of D.O. in our aeration basin. We are working with an outside engineering firm to remedy this issue. We are also looking into improving the collection system as part of an upcoming plant expansion as well as an automated pH control system to better manage the pH swings within our plant..

Hopefully this will improve our treatment capabilities.

Should you have additional questions, please feel free to contact me at 479-262-5327.

Sincerely,

A handwritten signature in black ink, appearing to read "Bryan Clifton", with a long horizontal line extending to the right.

Bryan Clifton
Regional Wastewater Manager
bryan.clifton@simfoods.com

CC: Seth Walters
Coleson Rakestraw
James Ellerbee
Billy Cox

Van Buren Municipal Utilities

BOD₅ Benchsheet BOD₅ () CBOD₅ () SBOD₅ ()

Industry I.D. & Sample Number SF012522 Type of Sample: Composite Grab

Date & Time of Sample Collection: 1/25-26/2022 8:10 AM Location Sample Collected: Pa

Temp. & pH of Sample: 6.93 S.U. @ 3.3 °C Adjusted to: 20 °C

Date & Time of set-up analysis: 1/26/2022 @ 18:45 hrs Set-up analysis performed by: KC

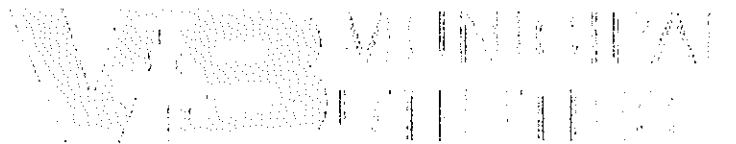
Date & Time of Take-off analysis: 1/31/2022 @ 11:00 hrs Take-off analysis performed by: KC

Bottle #	Sample Vol., mL	Dilution Factor	Seed Vol., mL	Initial D.O., mg/L	Final D.O., mg/L	Actual Depletion	Seed Correction	Corrected Depl.	Value, mg/L	Average Value
28	0	Blank		8.22	8.16	-0.06				
42	0	Blank		8.24	8.32	+0.08				
46	1	300		5.36	5.23	2.13		2.13	6.39	606 mg/L 2037#/day
76	3	100		8.28	2.56	5.72		5.72	5.72	
84	5	60		8.20	<.2					
89	5	60		8.24	<.2					
118	8	37.5		8.17	<.2					
256	10	30		8.08	<.2					

Analysis performed according to Standard Methods for the Examination of Water & Wastewater 20th Ed., Method 5210 B

flow: 0.403310 MGD

Commission:
Jim Williamson
Keith Hefner
Chad Adams
Todd Young



Attorney
Sean Brister
Secretary
Kathy Geppert

“Providing Water, Sewer, and Sanitation Services”
2806 Bryan Road / P.O. Drawer 1269
Van Buren, Arkansas 72957
479-474-5067 / Fax 479-471-8969
Van Buren Municipal Utilities

Certified Mail #7011 2970 0002 2764 9159

Mr. Brian Clifton
Simmons Foods
#5 Main Street
Van Buren, AR 72956

December 14, 2021


Re: Permit #VB2017-18: Notice of Violation

Dear Mr. Clifton:

During a recent monitoring visit performed December 7-9, 2021, both of the samples tested for BOD₅ exceeded the maximum allowable discharge limits as set forth in permit #VB2017-18. Please respond to this allegation in writing explaining why this violation occurred, length of this excursion, corrective actions taken, and any preventative measures incorporated. A separate penalty billing shall follow.

Please be aware that additional enforcement action may be pursued if corrections are not incorporated in a timely manner. The explanation of this violation does not excuse it or any previous violations.

If you have any questions, feel free to call me any time.

Sincerely,

Kim Redo
Environmental Coordinator

Simmons Foods, Inc. & Affiliates
601 N. Hico Street | P.O. Box 430
Siloam Springs, AR 72761



January 11, 2022

Ms. Kim Redo
Environmental Coordinator
Van Buren Municipal Utilities
P.O. Drawer 1269
Van Buren, Arkansas 72956

RE: Permit #VB2017-18; Notice of Violation

Dear Ms. Redo:

In review of the recent letters of notice, dated November 10 and December 14, 2021, we want to offer the following explanation and remedial actions to prevent this from occurring again.

We believe the samples exceeded maximum permit limit due to the basin being offline for repairs. This caused the biological activity to be less effective in removing SBOD and mixing to reduce pH, reducing the effectiveness of the system and increasing our loading.

The basin is complete. We are now waiting on a new aerator, as the previous one was damaged during the construction. It is scheduled for delivery by the end of January 2022.

Should you have additional questions, please feel free to contact me at 479-474-7056 at extension 327.

Sincerely,

A handwritten signature in black ink, appearing to read "Bryan Clifton", with a horizontal line extending to the right.

Bryan Clifton
Regional Wastewater Manager
bryan.clifton@simfoods.com
Office: 479-262-5327

CC: Seth Walters
Andy Brashear
Bruce Leaym
Marcos Castro

Van Buren Municipal Utilities

BOD₅ Benchsheet

BOD₅ (✓)

CBOD₅ ()

SBOD₅ ()

Industry I.D. & Sample Number SPE 120721

Type of Sample: Composite

Composite

Grab

Date & Time of Sample Collection: 12/7-8/2021

8:35 AM

Location Sample Collected: Parkland Fluvial to POTW

Temp. & pH of Sample: 7.17 s.u. @ 35°C

Adjusted to: 20°C

Date & Time of set-up analysis: 12/8/21 @ 0930 hr

Set-up analysis performed by: KR

Date & Time of Take-off analysis: 12/13/21 @ 0845 hr

Take-off analysis performed by: KR

Bottle #	Sample Vol., mL	Dilution Factor	Seed Vol., mL	Initial D.O., mg/L	Final D.O., mg/L	Actual Depletion	Seed Correction	Corrected Depl.	Value, mg/L	Average Value
E13	0	Blank		8.48	8.16	-0.9				
31	0	Blank		8.26	8.17	-0.09				
39	1	300		8.33	5.91	2.42		2.12	726 mg/L	732 mg/L
45	3	100		8.33	1.00	7.33		1.39	735 mg/L	732 mg/L
73	5	60		8.32	<0.2					
82	5	60		8.34	<0.2					
83	8	37.5		8.34	<0.2					
95	10	30		8.42	<0.2					

2472 mg
732 mg/L

(0.404873 MLD)

BOD limit = 118 lbs/day

Analysis performed according to Standard Methods for the Examination of Water & Wastewater 20th Ed., Method 5210 B

Van Buren Municipal Utilities

BOD₅ Benchsheet

BOD₅ ()

CBOD₅ ()

SBOD₅ ()

Industry I.D. & Sample Number SEF120821

Type of Sample: Composite

Grab

Date & Time of Sample Collection: 12/8-9/21 @ 8:35 AM

Location Sample Collected: Parkell Home to B/TW

Temp. & pH of Sample: 6.56 s.u. @ 48°C

Adjusted to: 20°C

Date & Time of set-up analysis: 12/9/21 @ 11:20 hours

Set-up analysis performed by: ICA

Date & Time of Take-off analysis: 12/14/21 @ 12:00 hrs

Take-off analysis performed by: FLK

Bottle #	Sample Vol., mL	Dilution Factor	Seed Vol., mL	Initial D.O., mg/L	Final D.O., mg/L	Actual Depletion	Seed Correction	Corrected Depl.	Value, mg/L	Average Value
11	0	Blank		8.42	8.25	-0.17		OK		
20	0	Blank		8.39	8.19	-0.20				
40	1	350		8.47	8.04	2.43		2.43	7.29	7.29
41	3	100		8.49	1.06	7.43		7.43	7.43	7.43
88	5	60		8.48	5.02					
118	5	60		8.47	<0.2					
261	8	37.5		8.44	<0.2					
312	10	30		8.38	<0.2					

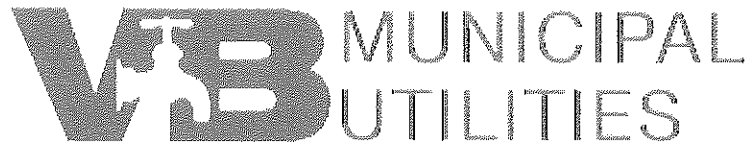
11
days
avg

Analysis performed according to Standard Methods for the Examination of Water & Wastewater 20th Ed., Method 5210 B

Simmons
Date BOD = 8.30 mg/L

Plan
(0.365 → 4.2 MA)

Commission:
Jim Williamson
Keith Hefner
Chad Adams
Todd Young



Attorney
Sean Brister
Secretary
Kathy Geppert

"Providing Water, Sewer, and Sanitation Services"
2806 Bryan Road / P.O. Drawer 1269
Van Buren, Arkansas 72957
479-474-5067 / Fax 479-471-8969
Van Buren Municipal Utilities

Delivered in person: *Kim Redo 3/21/2022 9:25 AM*

Received by: *Bryan Clifton*

Mr. Brian Clifton
Simmons Foods
#5 Main Street
Van Buren, AR 72956

March 21, 2022

Re: Permit #VB2017-18; Notice of Violation

Dear Mr. Clifton:

During a recent monitoring visit performed March 1-2, 2022 both of the samples tested for BOD₅ exceeded the maximum allowable discharge limits as set forth in permit #VB2017-18. These violations place Simmons Prepared Foods in the category of Significant Non-Compliance as mandated by Part 40 of the Federal Code of Regulations Part 403.8(f)(2)(vii).

Please respond to this allegation in writing explaining why this violation occurred, length of this excursion, corrective actions taken, and any preventative measures incorporated. A separate penalty billing shall follow.

Be aware that additional enforcement action will be pursued if corrections are not incorporated in a timely manner. The explanation of this violation does not excuse it or any previous violations.

If you have any questions, feel free to call me any time.

Sincerely,

Kim Redo
Environmental Coordinator

Simmons Foods, Inc. & Affiliates
601 N. Hico Street | P.O. Box 430
Siloam Springs, AR 72761



April 12, 2022

Ms. Kim Redo
Environmental Coordinator
Van Buren Municipal Utilities
P.O. Drawer 1269
Van Buren, Arkansas 72956

RE: Permit #VB2017-18; Notice of Violation

Dear Ms. Redo:

In review of the recent letters of notice, dated March 15, and March 21, 2022, we want to offer the following explanation and remedial actions to prevent this from occurring again.

We believe the samples exceeded maximum permit limit due to the basin being offline for repairs. This caused the biological activity to be less effective in removing SBOD, reducing the effectiveness of the system and increasing our loading.

The basin complete and a new aerator was put online March 4, 2022. The samples for the end of March show the treatment is beginning to trend toward compliance.

Should you have additional questions, please feel free to contact me at 479-474-7056 at extension 327.

Sincerely,

A handwritten signature in black ink, appearing to read "Bryan Clifton", with a long horizontal line extending to the right.

Bryan Clifton
Regional Wastewater Manager
bryan.clifton@simfoods.com
Office: 479-262-5327

CC: Seth Walters
Andy Brashear
Bruce Leaym
Marcos Castro

Van Buren Municipal Utilities

BOD₅ Benchsheet BOD₅ () CBOD₅ () SBOD₅ ()

Industry I.D. & Sample Number SFF030122 Type of Sample: Composite Grab

Date & Time of Sample Collection: 3/12/2022 @ 0845 hrs Location Sample Collected: Parshall Flume to POTW

Temp. & pH of Sample: 7.49 s.u. @ 40°C Adjusted to: 20°C

Date & Time of set-up analysis: 3/2/22 @ 0930 hrs Set-up analysis performed by: KR

Date & Time of Take-off analysis: 3/7/22 @ 0735 hrs Take-off analysis performed by: KK

Bottle #	Sample Vol., mL	Dilution Factor	Seed Vol., mL	Initial D.O., mg/L	Final D.O., mg/L	Actual Depletion	Seed Correction	Corrected Depl.	Value, mg/L	Average Value
E13	0	Blank		8.340	8.60	4.22				
Z8	0	Blank		8.43	8.57	70.08				
40	1	300		8.24	6.95	1.31		1.31	395	
83	3	100		8.57	3.97	4.6		4.6	460	
89	5	60		8.25	0.68					
118	5	60		8.35	0.97					
201	8	37.5		8.64						
256	10	30		8.64						

460 mg/L
1571 lbs/day
Summed
1105 lbs

Analysis performed according to Standard Methods for the Examination of Water & Wastewater 20th Ed., Method 5210 B

7 hrs = 0.409551 mGD

Van Buren Municipal Utilities

BOD₅ Benchsheet BOD₅ (✓) CBOD₅ () SBOD₅ ()

Industry I.D. & Sample Number: PF030222 Type of Sample: Composite Grab

Date & Time of Sample Collection: 3/2-3/22 @ 0845 hrs Location Sample Collected: Parshall Annex to SATTW

Temp. & pH of Sample: 7.09 s.u. @ 13.4°C Adjusted to: 105°C

Date & Time of set-up analysis: 3/3/22 @ 1335 hrs Set-up analysis performed by: KL

Date & Time of Take-off analysis: 3/8/22 @ 1450 hrs Take-off analysis performed by: KL

Bottle #	Sample Vol., mL	Dilution Factor	Seed Vol., mL	Initial D.O., mg/L	Final D.O., mg/L	Actual Depletion	Seed Correction	Corrected Depl.	Value, mg/L	Average Value
20	0	Blank		8.794	8.12	40.2				
41	0	Blank		7.82	8.08	70.2				
42	1	300		7.82	6.55	1.27		1.27 3.93		
46	3	700		7.60	5.67	3.93		3.93	393 mg/L	
76	5	60		7.74	20.2					
82	5	60		7.74	20.2					
95	8	57.5		7.39	40.2					
963	10	30		7.94	20.2					1319 mg/L

Analysis performed according to Standard Methods for the Examination of Water & Wastewater 20th Ed., Method 5210 B

flow (0.402 + 23 MGD)

Commission:
Jim Williamson
Keith Hefner
Chad Adams
Todd Young
J.W. Floyd

VAN BUREN MUNICIPAL
UTILITIES

Attorney
Sean Brister
Secretary
Kathy Geppert

"Providing Water, Sewer, and Sanitation Services"
2806 Bryan Road / P.O. Drawer 1269
Van Buren, Arkansas 72957
479-474-5067 / Fax 479-471-8969
Van Buren Municipal Utilities

Certified mail #7011 2970 0002 2764 8916

Mr. Brian Taylor
Arkansas Valley Truck Wash
P.O. Box 1666
Van Buren, AR 72956

Response
LOCATED

February 1, 2022

Re: Permit #VB7542-22; Notice of Violation

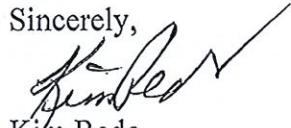
Dear Mr. Taylor:

During a recent monitoring visit performed January 12-13, 2022 the BOD₅ and the suspended solids results exceeded the maximum allowable parameters set forth in permit #VB7542-22. A separate penalty billing shall follow. Please explain in writing why the violation occurred, the duration of the violation and any corrective and preventative measures incorporated to reduce or eliminate the incidence of similar violations.

Please be aware that additional enforcement action may be pursued if corrections are not accomplished in a timely manner. The explanation of this violation does not excuse it or any previous violations.

If I can assist you in any way please feel free to contact me at 479-474-0941.

Sincerely,



Kim Redo
Environmental Coordinator

These elevated level were due to the pit cleaning being push back. The crew that provided the service, were extremely, busy. The got out and got it taken, care of. Thanks Brian Taylor TWA Truck Wash. If you need anything further, let me know.

Bench Sheet for Solids, pH

Worksheet: Suspended Solids, Settleable Solids, pH Date & Time of Analysis: 1/13/22 @ 0930 AM

Analysis Performed By: KL Flow (MGD): _____

Sample(s) Collected By: KL Oven Temperature: 104°C

Date & Time Collected: 1/12-13/22 @ 0835 AM Analytical Technique: Examination Water & Waste Water, Method 160.2, p. 96

Type of Sample: Grab Composite
 Sample Identification & Location: ARTWA 011222; Discharge to POTW from Sample 601

SUSPENDED SOLIDS		Sample Volume (mls)	(wt. Of filter & Dried residue)		Dried residue Wt. #4	Total Suspended Solids [(Wt. #4 - Wt. #2)/sample Vol. x 1,000,000]	Final TSS (mg/L)
Sample #	Tare Wt. #1		Tare Wt. #2	Wt. #3			
Blank	3.0465	3.0464	3.0465	3.0464			
	3.0693	3.0695	3.1315	3.1315	(.1315 - .0695)	620	
	3.0453	3.0457	3.1080	3.1079	(.1079 - .0457)	622	

62 mg/L
~~64~~ 64 lbs/day

8.59 s.u. @ 2.3°C
 → 4.52 s.u.

Van Buren Municipal Utilities

BOD₅ Benchsheet BOD₅ (✓) CBOD₅ () SBOD₅ ()

Industry I.D. & Sample Number: AVTWA010222 Type of Sample: Composite Grab

Date & Time of Sample Collection: 1/12-13/22 8:35 AM - 8:35 AM Location Sample Collected: Discharge from Sample Box to POTW

Temp. & pH of Sample: 8.59 S.U. @ 23 °C Adjusted to: 20 °C + pH = 6.5254

Date & Time of set-up analysis: 1/13/22 @ 10:20 am. Set-up analysis performed by: KL

Date & Time of Take-off analysis: 1/18/22 @ 10:00 am Take-off analysis performed by: KL

Bottle #	Sample Vol., mL	Dilution Factor	Seed Vol., mL	Initial D.O., mg/L	Final D.O., mg/L	Actual Depletion	Seed Correction	Corrected Depl.	Value, mg/L	Average Value
11	0	Blank		8.59 8.59	8.39	0.20				
31	0	Blank		8.53	7.37	0.16				
39	1	300		8.26	5.46	2.80		2.80	840	
41	3	100		8.52	0.33					
73	5	60		8.47	0.14					
82	5	60		8.87	0.10					
88	8	37.5		8.44	0.10					
312	10	30		8.53	0.09					

86 lbs/day