Town of Baileyton W.W.T.P.
6530 Horton Highway
Greeneville, TN 37745
Phone #(423) 234-6911
Fax # (423) 234-5442

June 29, 2023

To; Sandra K. Vance

Here is the corrective actions we have made in response to your inspection on May31-June 3,2022.

Records/ Reorts. Section 1a. The reason there may be a Difference on the Averages on the EMOR and the netDMR may be because I have been using the averages from my Bench sheets and the EMOR uses its own calculations. The EMOR may use 1 or 2 decimals and round up or down. We will only use the calculations from the EMOR from NOW ON. We will transfer them to the netDMR.

Records/ Reports, Section1b. I revised the EMOR as you requested and tried unsuccessfully to e-mail the report in but my computer would not let me send the attachment. The Updated EMOR is enclosed.

Section 2a,b,c,d,e,f,g,h, We are currently revising our lab sheets and will update . We hope to make fewer mistakes in the future.

Section3 Part B 1a,b,c,d,e, All these sections have been corrected and taken care of.

Section 3 Part C 2a,c,d, All these requests have been repaired or we are waiting on delivery of control panels and all have been washed down.

Section 4-1. We have a new sign for the outfall. We just need to put up the new sign.

Section 5-1. We will show Labtronx what you require on the calibration when the come to do the next calibration.

Section 6.1a,b,c,d,e,f. We are correcting all these issues.

Section 6. 2-6. We are taking measures to correct all these issues.

Section 8-2a. We have purchased the 24th Edition of the Standard Methods.

Section 8-2b,c,d,e,f. We are taking measures to correct these issues.

Section 8-3&4. We have already corrected these issues.

Sincerely

Danny P. Neely

Danny P. Neely

Date.....

Baileyton
W.W.T.P.
Total Suspend Solids
MLSS

Operator.....

		Influent	Standard	Method	# 2540-D		Effluent		Blank # 1	Blank # 2
2540-D		Filter #1	Filter #2				Filter #1	Filter #2	Filter #1	Filter #2
Pad& Solids					Time	Pad& Solids				
Pad Weight					Operator	Pad Weight				
ML Used		100	100				100	100	100	100
MG/L Solids					Time	MG/L Solids				
After Burning					Operator	Pad& Solids				
Pad& Solids						Pad Weight				
Pad Weight						% Removal				
MG/L Solids								Balance		
		AER #1	AER #2	R.A.S.	Digester #1	Digester #2	Digester #3	Temp*C	WTS.	
		Filter	Filter	Filter	Filter	Filter	Filter			Operator
Pad& Solids										Calib.
Pad Weight										
	MLSS									Time
	SSV 30									Operator
Time										
Operator										
	SVI									
			Date	Time	Temp*C	Date	Time	Temp*C		
Influent Composite Sampler										
Effluent Composite Sampler										

Remarks :

Date.....

Baileyton W.W.T.P.

Operator.....

Daily Lab Sheet

Influent Flow =		Max			Rain Fall			Time
Effluent Flow =								Operator
Standard Method # 4500-O G								Time
D.O. Meter Air Cal.		Temp*C	mm	X 0.96 =	mg/l			Operator
4500-0-G Influent	Effluent	Aer #1	Aer #2	Digester #1	Digester #2	Digester #3		
D.O. mg/l								
Temp*C								
								Time
Standard Method # 4500-H-B		Calib	PH 7.00		PH 10.01			Operator
Influent	Effluent	Aer #1	Aer #2	R.A.S.	Digester #1	Digester #2	Digester #3	
PH								
Time								
Standard Method # 2540-F		Influent	Effluent	Start		Finish		
1 Hour Sett. Solids	=				Time			Time
					Operator			Operator
		Date	Time	Operator	Date	Time		Operator
Influent Composite Sampler								
Effluent Composite Sampler								
Influent Grab Sample after Screens								
Effluent Grab Sample in Reaer Basin								
Aer. Basin Grab Samples		# 1			# 2			R.A.S.
D.O. PH, Temp*C are Grab Samples								
1 Hr. Sett. Solids are G	Grab	Samples						

Remarks :

Date..... Baileyton W.W.T.P.

M-ColiBlue24

		E-Coli Test			
Sample Collected			Time		
M COLIBLUE-24					Operator
Dish #	M L of Sample		Col. Counted		Density
1	50				
2	50				
3	100				
4	100				
5	100				
6	100				
7	100				
8	100				
Blank	100				
Blank	100				
Total					
Average					
Sample Location : Eff. Reair Basin					
Date		Operator	Date		Operator
In			Out		
Remarks :					

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Standard Methods #5210 B

B.O.D

Date.....

Initial Time		Initial Day			Operator						
Final Time		Final Day			Operator						
Sample	Blank	Blank		EFF	EFF	EFF		INF.	INF.	INF	
ncentration %	100	100		100	100						
Bottle #											
Initial D.O.			MG/L				MG/L				MG/L
Final D.O.			MG/L				MG/L				MG/L
.O. Depletion			MG/L				MG/L				MG/L
nk Correction			MG/L				MG/L				MG/L
ilution Factor	1	1		1	1						
5 Day B.O.D.			MM				MG/L				MG/L
verage B.O.D.			MM				MG/L				MG/L
5 Removal	%										
bration D.O. Meter											
Comp. Sampler	Temp*C		Time		Temp*C		Time		Operator		
Comp. Sampler	Temp*C		Time		Temp*C		Time		Operator		
Incubator	Temp*C		Time		Date				Operator		
Incubator	Temp*C		Time		Date				Operator		

Remarks :

REPORT OF MONTHLY OPERATION OF WASTEWATER TREATMENT

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF WATER RESOURCES

Rev: 14 Apr 19

PERMIT NUMBER	PERMIT FEATURE TYPE DESCRIPTION	PERMIT FEATURE ID	YEAR	MONTH	DATE	RAINFALL (0.1 inch)	INFLUENT FLOW (MGD)	EFFLUENT FLOW (MGD)	HOURS BYPASSED	BOD_5 INFLUENT (mg/L)	BOD_5 EFFLUENT (mg/L)	BOD_5 EFFLUENT (POUNDS)	BOD_5 PERCENT REMOVAL	BOD_5 EFFLUENT WEEKLY AVERAGE (mg/L)	BOD_5 EFFLUENT WEEKLY AVERAGE (POUNDS)	TSS INFLUENT (mg/L)	TSS EFFLUENT (mg/L)	TSS EFFLUENT (POUNDS)	TSS PERCENT REMOVAL	TSS EFFLUENT WEEKLY AVERAGE (mg/L)	TSS EFFLUENT WEEKLY AVERAGE (POUNDS)	DO EFFLUENT (mg/L)	pH EFFLUENT (S. U.)	Less Than (<) Settleable Solids	Settleable Solids EFFLUENT (ml/L)	Less Than (<) E.coli	EFFLUENT E.COLI	Less Than (<) TRC	EFFLUENT TOTAL CHLORINE RESIDUAL (mg/L)	Total Nitrogen INFLUENT (mg/L)	Total Nitrogen INFLUENT (POUNDS)	Total Nitrogen EFFLUENT (mg/L)	Total Nitrogen EFFLUENT (POUNDS)	TN PERCENT REMOVAL	Total Phosphorus INFLUENT (mg/L)
TN0063932	External Outfall	001	2021	October	1	0.00	0.062	0.050	0.0													8.1	8.2	<	0.1										
TN0063932	External Outfall	001	2021	October	2	0.00	0.062	0.049	0.0																										
TN0063932	External Outfall	001	2021	October	3	0.00	0.057	0.044	0.0																										
TN0063932	External Outfall	001	2021	October	4	0.30	0.055	0.046	0.0													8.0	8.2	<	0.1										
TN0063932	External Outfall	001	2021	October	5	0.00	0.056	0.045	0.0							313.0	1.0	0.4	99.7	1.0	0.4	7.8	8.2	<	0.1		1.0								
TN0063932	External Outfall	001	2021	October	6	0.10	0.059	0.049	0.0	355.0	3.9	1.6	98.9	3.9	1.6							8.0	8.2	<	0.1					72.4	35.6	17.9	7.3	75.3	9.2
TN0063932	External Outfall	001	2021	October	7	0.50	0.066	0.055	0.0													8.0	8.2	<	0.1										
TN0063932	External Outfall	001	2021	October	8	0.80	0.078	0.064	0.0													7.9	8.2	<	0.1										
TN0063932	External Outfall	001	2021	October	9	0.00	0.075	0.061	0.0																										
TN0063932	External Outfall	001	2021	October	10	0.00	0.062	0.049	0.0																										
TN0063932	External Outfall	001	2021	October	11	0.00	0.051	0.039	0.0													8.0	8.4	<	0.1										
TN0063932	External Outfall	001	2021	October	12	0.00	0.051	0.039	0.0							296.0	2.0	0.7	99.3	2.0	0.7	8.0	8.3	<	0.1		1.0								
TN0063932	External Outfall	001	2021	October	13	0.00	0.056	0.046	0.0	353.5	4.0	1.5	98.9	4.0	1.5							8.1	8.2	<	0.1					12.7	5.9	91.1	34.9	-617.3	8.5
TN0063932	External Outfall	001	2021	October	14	0.00	0.056	0.043	0.0													8.0	8.3	<	0.1										
TN0063932	External Outfall	001	2021	October	15	0.00	0.052	0.041	0.0													8.0	8.4	<	0.1										
TN0063932	External Outfall	001	2021	October	16	0.40	0.057	0.046	0.0																										
TN0063932	External Outfall	001	2021	October	17	0.00	0.063	0.050	0.0																										
TN0063932	External Outfall	001	2021	October	18	0.00	0.051	0.041	0.0													8.4	8.0	<	0.1		1.0								
TN0063932	External Outfall	001	2021	October	19	0.00	0.048	0.038	0.0							302.0	1.0	0.3	99.7	1.0	0.3	8.8	8.3	<	0.1										
TN0063932	External Outfall	001	2021	October	20	0.00	0.054	0.044	0.0	357.0	3.9	1.4	98.9	3.9	1.4							8.9	8.3	<	0.1										
TN0063932	External Outfall	001	2021	October	21	0.00	0.055	0.043	0.0													9.0	8.4	<	0.1										
TN0063932	External Outfall	001	2021	October	22	0.25	0.061	0.053	0.0													8.8	8.4	<	0.1										
TN0063932	External Outfall	001	2021	October	23	0.00	0.062	0.050	0.0																										
TN0063932	External Outfall	001	2021	October	24	0.00	0.056	0.043	0.0																										
TN0063932	External Outfall	001	2021	October	25	0.00	0.053	0.040	0.0													9.1	8.4	<	0.1		2.0								
TN0063932	External Outfall	001	2021	October	26	0.50	0.063	0.053	0.0							378.0	2.0	0.9	99.5	2.0	0.9	8.9	8.4	<	0.1										
TN0063932	External Outfall	001	2021	October	27	0.00	0.060	0.046	0.0	359.5	4.1	1.6	98.9	4.1	1.6							9.4	8.3	<	0.1										
TN0063932	External Outfall	001	2021	October	28	0.00	0.054	0.042	0.0													9.1	8.3	<	0.1										
TN0063932	External Outfall	001	2021	October	29	0.10	0.060	0.036	0.0													9.0	8.2	<	0.1										
TN0063932	External Outfall	001	2021	October	30	1.00	0.070	0.063	0.0																										
TN0063932	External Outfall	001	2021	October	31	0.30	0.070	0.059	0.0																										
					TOTAL	4.25	1.835	1.487	0.0			6.1						2.2															42.3		
					AVERAGE		0.059	0.047		356.3	4.0	1.5	98.9			322.3	1.5	0.6	99.5			8.4			0.1		1.2		#DIV/0!	42.6	20.8	54.5	21.1	-28.1	8.9
					MAXIMUM	1.00	0.078	0.064	0.0	359.5	4.1	1.6	98.9	4.1	1.6	378.0	2.0	0.9	99.7	2.0	0.9	9.4	8.4		0.1		2.0		0.00	72.4	35.6	91.1	34.9	75.3	9.2
					MINIMUM		0.048	0.036		353.5	3.9	1.4	98.9			296.0	1.0	0.3	99.3			7.8	8.0		0.1		1.0		0.00	12.7	5.9	17.9	7.3	-617.3	8.5
					PERMIT LIMIT DAILY MAX						25.0	9999.0					25.0	9999.0					9.0		1.0		941.0		0.40			9999.0	9999.0		
					PERMIT LIMIT DAILY MIN								40.0						40.0			5.0	6.0										0.0		
					PERMIT LIMIT MONTHLY WKLY/AVG						15.0	25.0	85.0	20.0	33.0		15.0	25.0	85.0	20.0	33.0	0.0				126.0					9999.0	9999.0	0.0		

*E. Coli geomean is shown in the Average row

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Danny P. Neely
Signature

Town of Baileyton
Plant

4
Grade

1503
Certification #

Greene
County

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ENV. FIELD OFFICE

Rev: 14 Apr 19

PERMIT NUMBER	PERMIT FEATURE TYPE DESCRIPTION	PERMIT FEATURE ID	YEAR	MONTH	DATE	Total Phosphorus INFLUENT (POUNDS)	Total Phosphorus EFFLUENT (mg/L)	Total Phosphorus EFFLUENT (POUNDS)	Total Phosphorus PERCENT REMOVAL
TN0063932	External Outfall	001	2021	October	1				
TN0063932	External Outfall	001	2021	October	2				
TN0063932	External Outfall	001	2021	October	3				
TN0063932	External Outfall	001	2021	October	4				
TN0063932	External Outfall	001	2021	October	5				
TN0063932	External Outfall	001	2021	October	6	4.5	10.3	4.2	-12.0
TN0063932	External Outfall	001	2021	October	7				
TN0063932	External Outfall	001	2021	October	8				
TN0063932	External Outfall	001	2021	October	9				
TN0063932	External Outfall	001	2021	October	10				
TN0063932	External Outfall	001	2021	October	11				
TN0063932	External Outfall	001	2021	October	12				
TN0063932	External Outfall	001	2021	October	13	4.0	11.5	4.4	-35.3
TN0063932	External Outfall	001	2021	October	14				
TN0063932	External Outfall	001	2021	October	15				
TN0063932	External Outfall	001	2021	October	16				
TN0063932	External Outfall	001	2021	October	17				
TN0063932	External Outfall	001	2021	October	18				
TN0063932	External Outfall	001	2021	October	19				
TN0063932	External Outfall	001	2021	October	20				
TN0063932	External Outfall	001	2021	October	21				
TN0063932	External Outfall	001	2021	October	22				
TN0063932	External Outfall	001	2021	October	23				
TN0063932	External Outfall	001	2021	October	24				
TN0063932	External Outfall	001	2021	October	25				
TN0063932	External Outfall	001	2021	October	26				
TN0063932	External Outfall	001	2021	October	27				
TN0063932	External Outfall	001	2021	October	28				
TN0063932	External Outfall	001	2021	October	29				
TN0063932	External Outfall	001	2021	October	30				
TN0063932	External Outfall	001	2021	October	31				
					TOTAL			8.6	
					AVERAGE	4.2	10.9	4.3	-23.2
					MAXIMUM	4.5	11.5	4.4	-12.0
					MINIMUM	4.0	10.3	4.2	-35.3
					PERMIT LIMIT DAILY MAX		9999.0	9999.0	
					PERMIT LIMIT DAILY MIN				0.0
					PERMIT LIMIT MONTHLY WKLY/AVG		9999.0	9999.0	0.0

*E. Coli geomean is shown in the Average row

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Danny P. Neely
Signature

4
Grade

1503
Certification #

RECEIVED
JUL 06 2023
JOHNSON CITY
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