

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
DIVISION OF WATER POLLUTION CONTROL



NPDES PERMIT # TN0056626

REPORT OF OPERATION OF WASTEWATER TREATMENT

PLANT TDOC - BLEDSOE COUNTY CORRECTIONAL COMPLEX - BCCX

COUNTY BLEDSOE

MONTH OF February 2024

DATE	RAINFALL (0.1")	INFLUENT FLOW (MGD)	EFFLUENT FLOW (MGD)	SSO RELEASE, BYPASS	TEMPERATURE INFLUENT (°C)	TEMPERATURE EFFLUENT (°C)	Total Suspended Solids									CBOD					Ammonia Nitrogen					Settleable Solids		Dissolved Oxygen		pH		T NITROGEN		T PHOSPHORUS				PUMPED TO STORAGE (MGD)	SPRAY IRRIGATION (MGD)	SPRAY FIELD				LAND APPLICATION	
							INFLUENT (mg/L)	EFFLUENT (mg/L)	WEEKLY AVERAGE (mg/L)	EFFLUENT (POUNDS)	WEEKLY AVERAGE POUNDS	PERCENT REMOVAL	INFLUENT (mg/L)	EFFLUENT (mg/L)	WEEKLY AVERAGE	EFFLUENT (LBS)	WEEKLY AVERAGE	% REMOVAL	INFLUENT (mg/L)	EFFLUENT (mg/L)	WEEKLY AVERAGE (mg/L)	EFFLUENT (POUNDS)	WEEKLY AVERAGE (POUNDS)	INFLUENT (mg/L)	EFFLUENT (mg/L)	INFLUENT (STANDARD UNITS)	EFFLUENT (STANDARD UNITS)	EFFLUENT CL (mg/L)	EFFLUENT (POUNDS)	EFFLUENT CL (mg/L)	EFFLUENT (POUNDS)	E. COLI TO 001	Toxicity	Oil & Grease	BOD	TOTAL N	NH3-N			E coli	FIELD 1A	FIELD 2			
1		0.463	0.254		12.4	11.2	98	0.7		1.5		99	137	1.9		4.0		99	14.5	0.55		1.20		12	0.1	1.3	10.4	8.5	7.7						N	0.047									
2		0.444	0.247		13.5	12	56	0.5	0.8	1.0	1.9	99	81	1.7	2.2	3.5	5	98	16.5	0.43	0.48	0.90	1.10	5	0.1	4.6	10	8.3	7.6				1						0.049	0.514					
3		0.409	0.224																																				0.044	0.261					
4		0.394	0.215																																				0.043	0.273					
5		0.395	0.215		14.7	12.9																		25	0.1	0.2	9.9	8.3	7.6				1						0.043	0.266					
6		0.383	0.217		14.7	13.8																	39	0.1	1.4	9.3	8.3	7.4					N						0.053	0.137					
7		0.431	0.249		14.7	13.5	180	2.1		4.4		99	102	2.5		5.2		98	19.4	1.48		3.0		18	0.1	1.8	9.6	8.3	7.5	0.723	1.50	0.416	0.86	1				0.043	0.133	3.0	0.72	0.19	1		
8		0.433	0.207		15	14	80	1.5		2.6		98	132	2		3.5		98	19.8	1.22		2.10		5	0.1	0.2	9.8	8	7.6					N						0.039	0.136				0.35
9	0.07	0.425	0.211		15.4	14.4	94	0.3	1.3	0.5	2.5	99	69	1.9	2.1	3.3	4.0	97	19.5	0.203	0.97	0.36	1.80	20	0.1	0.3	9.7	7.9	7.4					1						0.041	0.133				
10	0.12	0.396	0.251																																						0.039	0.128			
11	1.73	0.662	0.324																																					0.045					
12	1.50	0.514	0.374		15.6	15.2																	25	0.1	3.6	8.9	8	7.2						1						0.050					
13	0.71	0.532	0.262		13.8	14.1																	5	0.1	7.5	9.6	8.2	7.5								N				0.144					
14		0.424	0.214		14.4	13.6	232	4.5		8.0		98	15	2.5		4.5		83	20.8	0.581		1.00		19	0.1	7.1	9.9	8.3	7.4	2.18	3.89	0.314	0.56	1						0.119					
15		0.424	0.198		15	13.36	200	1.7		2.8		99	181	2.3		3.8		99	17.3	0.01		0.02		20	0.1	6	9.8	8.2	7.4							N				0.116					
16		0.361	0.208		15	14	202	1.3	2.5	2.3	3.7	99	138	1.9	2.2	3.3	3.9	99	24.4	0.01	0.20	0.02	0.35	22	0.1	0.2	9.8	8.2	7.6					1						0.063	0.098				
17	0.45	0.402	0.262																																					0.051	0.132				
18		0.369	0.282																																					0.052					
19		0.333	0.214		13.9	12.1																	1.5	0.1	1.6	10.2	8.5	7.5	1.96	3.50	0.105	0.19	1						0.041	0.028					
20		0.477	0.219		12.7	12.4																	30	0.1	0.3	9.9	8.2	7.3								N			0.047	0.106					
21		0.451	0.282		14.7	13.2	236	1.1		2.6		99	124	2.7		6.4		98	16.8	0.382		0.90		17	0.1	7.7	10.1	7.9	7.3					1					0.043						
22		0.498	0.242		15.2	13.8	58	0.9		1.8		98	92	2.4		4.8		97	12.6	0.464		0.94		18	0.1	7	9.4	7.9	7.4					N					0.039	0.132					
23	0.46	0.453	0.312		15.4	14.2	24	0.4	0.8	1.0	1.8	98	68	2.2	2.4	5.7	5.6	97	16.3	0.312	0.39	0.81	0.88	21	0.1	7.5	9.5	8.2	7.3					12					0.037	0.133					
24	0.01	0.442	0.25																																				0.034	0.275					
25		0.401	0.226																																				0.032	0.078					
26		0.365	0.217		15.3	13.9																	25	0.1	0.22	9.7	8.1	7.4						1					0.034	0.107					
27	0.01	0.398	0.298		15.2	15.3																	0.5	0.1	0.22	9.3	8.3	7.3								N			0.040	0.133					
28	0.02	0.377	0.215		16.9	15.9	310	1		1.8			192	3.6		6.5		98	22.3	0.099		0.18		28	0.1	0.12	9	8.4	7.3	1.27	2.28	0.122	0.22	1					0.061	0.132					
29	0.71	0.489	0.299		14.4	14.1	44	0.9		2.2			87	2.2		5.5		97	16.1	0.144		0.40		20	0.1	7.55	9.6	8.5	7.4					2					0.061	0.132					
30																																													
31																																													
TOTAL	5.79	12.55	7.188	0	308	287	1814	16.9		32.6		1085	1418	30		60.0		1258	236	6		11.8		376	2	66.4	203.4				6	11	1	2	25			1.550	3.335	3.00	1	0.19	1	0.00	2.71
AVERAGE	0.405	0.232	0	14.7	13.7	140	1.3		2.5		99	109	2.3		4.6		97	18	0.45		0.9		18	0.1	3.16	9.69				1.5	2.8	0.2	0.5	1.3			0.053	0.108	3.00	1	0.19	1			
MAXIMUM	0.662	0.374	0	16.9	15.9	310	4.5	2.5	8.0	3.7	99	192	3.6	2.4	6.5	5.6	99	24	1.48	0.97	3.0	1.80	39	0.1	7.70	10.40	8.5	7.7	2.2	3.9	0.4	0.9	12			N/A	0.144	0.514	3.00	1	0.19	1			
MINIMUM	0.333	0.198	0	12.4	11.2	24	0.3		0.5		98	15	1.7		3.3		83	13	0.01		0.0		1	0.1	0.12	8.90	7.9	7.2	0.7	1.5	0.1	0.2	1			N/A	0.032	0.028	3.00	1	0.19	1			

Did not report TRC due to disinfecting with UV.

TN ROLLING AVERAGE	509
TP ROLLING AVERAGE	102

CN-0972 (rev. 1-95)

Signature: STEVE THURMAN CERT NO. 17017  
DATE 3/12/2024

BLEDSOE COUNTY CORRECTIONAL COMPLEX - BCCX					
TN0056626					
DATE	FLOW	N mg/L	#	P mg/L	#
2/1/2023	0.257	0.5	1.0	0.5	1.1
2/8/2023	0.194	1.2	2.0	0.5	0.8
2/15/2023	0.163	0.9	1.2	0.5	0.7
2/22/2023	0.241	0.7	1.4	0.5	1.0
3/1/2023	0.286	1.1	2.6	0.5	1.2
3/8/2023	0.144	0.7	0.9	0.5	0.6
3/16/2023	0.162	1.4	1.9	0.5	0.7
3/21/2023	0.208	1.1	1.8	0.5	0.9
3/29/2023	0.157	0.5	0.7	0.5	0.7
4/5/2023	0.282	1.2	2.8	0.5	1.2
4/10/2023	0.171	1.1	1.5	0.5	0.7
4/19/2023	0.119	0.9	0.9	0.5	0.5
4/26/2023	0.169	0.9	1.3	0.5	0.7
5/4/2023	0.000		0.0		0.0
5/10/2023	0.000		0.0		0.0
5/17/2023	0.000		0.0		0.0
5/24/2023	0.000		0.0		0.0
5/31/2023	0.000		0.0		0.0
6/1/2023	0.000		0.0		0.0
6/7/2023	0.000		0.0		0.0
6/14/2023	0.000		0.0		0.0
6/21/2023	0.000		0.0		0.0
6/28/2023	0.000		0.0		0.0
7/5/2023	0.000		0.0		0.0
7/12/2023	0.000		0.0		0.0
7/19/2023	0.000		0.0		0.0
7/26/2023	0.000		0.0		0.0
8/2/2023	0.000		0.0		0.0
8/9/2023	0.000		0.0		0.0
8/16/2023	0.000		0.0		0.0
8/23/2023	0.000		0.0		0.0
8/30/2023	0.000		0.0		0.0
9/8/2023	0.137	3.18	3.6	0.212	0.2
9/13/2023	0.172	0.90	1.3	0.212	0.3
9/21/2023	0.245	3.29	6.7	0.212	0.4
9/26/2023	0.213	1.12	2.0	0.212	0.4
10/4/2023	0.000		0.0		0.0
10/11/2023	0.000		0.0		0.0
10/18/2023	0.000		0.0		0.0
10/25/2023	0.000		0.0		0.0
11/1/2023	0.155	1.21	1.6	0.226	0.3
11/8/2023	0.181	0.99	1.5	0.350	0.5
11/15/2023	0.142	0.77	0.9	0.274	0.3
11/22/2023	0.177	1.16	1.7	0.215	0.3
11/29/2023	0.151	1.77	2.2	0.212	0.3
12/6/2023	0.182	1.44	2.2	0.212	0.3
12/13/2023	0.196	0.93	1.5	0.212	0.3
12/20/2023	0.209	1.89	3.3	0.212	0.4
12/27/2023	0.260	1.53	3.3	0.212	0.5
1/3/2024	0.160	1.50	2.0	0.212	0.3
1/10/2024	0.122	1.42	1.4	0.212	0.2
1/17/2024	0.214	1.69	3.0	0.212	0.4
1/24/2024	0.271	2.86	6.5	0.212	0.5
1/31/2024	0.292	1.98	4.8	0.079	0.2
2/7/2024	0.249	0.72	1.5	0.416	0.9
2/14/2024	0.214	2.18	3.9	0.314	0.6
2/19/2024	0.214	1.96	3.5	0.105	0.2
2/28/2024	0.215	1.27	2.3	0.122	0.2
COUNT	36		54		54
SUM	2.6		75.3		15.0
D AVG	0.07		1.4		0.3
ROL AVG		N	509	P	102
ANNUAL LIMIT			2737		547
DAILY LIMIT			7.5		1.5

1.85 mg/l

0.57 mg/l

Operator	STEVE THURMAN
	<i>STEVE THURMAN</i>
Certification #	17017
DATE	3/12/2024


## Fw: FEB24MOR TN0056626 Bledsoe County

Angela Oberschmidt <Angela.Oberschmidt@tn.gov>

Tue 3/12/2024 10:28 AM

To: Tess Kaiser <Tess.Kaiser@tn.gov>

Cc: Cali Calderwood <Cali.Calderwood@tn.gov>; Hannah L. Biggs <Hannah.L.Biggs@tn.gov>

 2 attachments (170 KB)

ROLAVGBLD35FEB24.pdf; MORBLD35FEB24.pdf;

For review and waterlog.

Angela

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**From:** Phil Webster <pwebster@alliancewater.com>

**Sent:** Tuesday, March 12, 2024 10:20 AM

**To:** Angela Oberschmidt <Angela.Oberschmidt@tn.gov>

**Cc:** Evan Romo <eromo@alliancewater.com>

**Subject:** [EXTERNAL] FEB24MOR TN0056626 Bledsoe County

**\*\*\* This is an EXTERNAL email. Please exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email - STS-Security. \*\*\***

Good morning, Angela:

Attached is the MOR and the rolling average for the Bledsoe County wastewater plant.

If you have any questions, please let me know.

Thanks, Steve