



210 SOUTH CHURCH STREET  
MOUNTAIN CITY, TENNESSEE 37683  
TELEPHONE (423) 727-8005 • FAX (423) 727-2925  
[www.mountaincitytn.org](http://www.mountaincitytn.org)

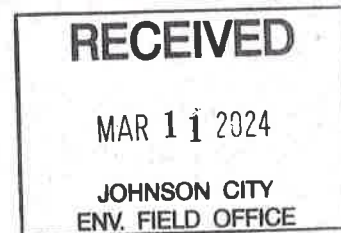
TDEC  
Division of Water Resources  
2305 Silverdale Road  
Johnson City, TN 37601

Attn: Sandra Vance

The purpose of this letter is to submit the MOR/DMR for The Town of Mountain City WWTP, Permit #TN0024945, for the month of February 2024.

During the month of February, we had the following Violations:

- 1-TSS Monthly Average LBS
- 1-TSS Monthly Average LBS
- 1-TSS Daily Maximum MG/L
- 1-CBOD Weekly Average LBS
- 1-CBOD % Removal Daily Minimum
- 1-CBOD % Removal Monthly Average Minimum
- 1-TSS % Removal Daily Minimum
- 1-TSS % Removal Monthly Average Minimum

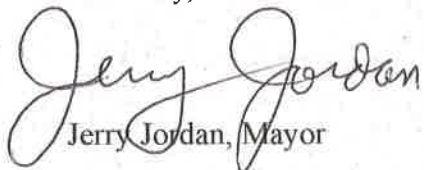


These were due to a four-day rainfall event on February 9<sup>th</sup> thru February 12<sup>th</sup>, 2024 resulting in a total rainfall of 2.3". The total rainfall resulted in Hydraulically overloading the WWTP. Efforts to decrease I&I are ongoing in the collection system.

- A. The plant had one dry weather overflow during the month of February 2024 on February 3<sup>rd</sup>, 2024. Manhole A-00 overflowed for 15.25 hours, releasing an estimated flow of 765,000 gallons. This was due to loss of fiber optic communication to the main influent lift station.

If you have any questions, please don't hesitate to call me at 423-727-8005 or Chris Atwood, WWTP Manager at 423-727-6655.

Sincerely,

  
Jerry Jordan, Mayor

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
DIVISION OF WATER POLLUTION CONTROL



REPORT OF OPERATION OF WASTEWATER TREATMENT  
PLANT Mountain City Sewer  
COUNTY Jackson  
MONTH OF FEBRUARY

30 24

DATE	RAINFALL (0.1")	5 DAY CBOD / BOD				HOURS BYPASSED	TEMPERATURE		AMMONIA NITROGEN					SUSPENDED SOLIDS				BOTTLEABLE SOLIDS		DISSOLVED OXYGEN		pH		FINAL EFFLUENT										
		INFLUENT FLOW (MGD)	INFLUENT MAX FLOW (MGD)	EFFLUENT FLOW (MGD)			INFLUENT (°C)	EFFLUENT (°C)	INFLUENT (mg/L)	EFFLUENT (mg/L)	EFFLUENT (POUNDS)	PERCENT REMOVAL	INFLUENT (mg/L)	EFFLUENT (mg/L)	EFFLUENT (POUNDS)	PERCENT REMOVAL	INFLUENT (mg/L)	EFFLUENT (mg/L)	INFLUENT (mg/L)	EFFLUENT (mg/L)	INFLUENT (STANDARD UNITS)	EFFLUENT (STANDARD UNITS)	TSS	SOLUBLE	TOTAL CHLORINE (RESIDUAL mg/L)	GALLONS BLEACHED	GALLONS DECHLORINATED	F-Co.Li.						
1		1.754	3.38	1.543			9.5	9	53	5	64	91			.1	1	56	6	77	89			6.6	8.2	7.4	7.5	1.00	BDL	34	48	1			
2		1.100	3.48	1.027			9.5	9															6.3	8.4	7.4	7.6		BDL	27	48				
3		1.204	3.65	1.015																									28	19				
4		1.630	3.33	1.377																									26	48				
5		1.528	2.46	1.375			10	9.5															6	2.5	6.4	9.1	7.1	7.3	.92	BDL	23	46	1	
6		1.451	2.51	1.275			9	9	78	8	85	90			.2	1	88	5	57	94			7.6	6.5	8.4	7.3	7.3	.80	BDL	24	27	5		
7		1.097	3.26	1.09			10	9	67	8	61	88			.2	2	85	6	46	93			5	6.5	4.3	9.3	7.2	7.6	1.75	BDL	11	57	<1	
8		1.173	3.4	1.650			10	9	78	7	59	86			.2	1	112	5	27	96					4.6	9.2	7.2	7.5		BDL	18	58		
9	.7	1.223	2.2	1.775			10	10																						19	69			
10	1.0	1.714	3.45	1.158																										22	70			
11		2.070	3.57	1.536																														
12	.6	2.964	3.62	2.421			10	10.5																										
13		2.855	3.64	2.296			10	10	36	22	421	39			.1	2	40	77	1474	-92			2	6.5	6.6	6.5	7.2	7.2	1.21	BDL	45	74	10	
14		2.309	3.66	2.1746			9.5	9.5	61	7	105	88			.1	2	101	9	131	91			2	6.5	7.5	7.6	7.2	7.3	1.39	BDL	39	27	8	
15		2.12	3.56	1.915			9.5	9.8	42	6	76	86			.1	1	54	7	88	87					7.4	7.7	7.3	7.4		BDL	31	41		
16	.2	1.844	3.45	1.304			9.5	10																										
17		1.617	3.14	1.037																														
18		1.468	2.22	1.918																														
19		1.342	2.14	1.817			10	9																										
20		1.275	2.13	1.859			9.5	9	60	10	71	83			.1	1	88	70	71	89			5.5	6.5	4.8	9.1	7.1	7.3	1.37	BDL	23	70	1	
21		1.203	2.11	1.719			9.5	9	71	10	60	86			.1	1	106	10	60	91			4	6.5	4.7	9.0	7.4	7.4	.86	BDL	20	65	8	
22	.5	1.427	3.16	1.874			10	10	76	10	73	87			.1	1	124	77	70	91					3.4	8.9	7.7	7.6		BDL	18	70		
23	.1	1.749	3.13	1.215			10	10.5																										
24	.1	1.650	3.13	1.095																														
25		1.552	2.17	1.981																														
26		1.415	2.14	1.880			10	10																										
27	.1	1.358	2.12	1.830			10	10	59	10	90	83			.2	1	84	9	62	89			7.5	6.5	4.0	8.4	7.2	7.5	1.04	BDL	34	79	6	
28	.5	1.888	3.4	1.913			10	11	64	18	110	84			.1	1	92	13	142	86			7	6.5	4.0	8.2	7.2	7.3	1.62	BDL	25	76	<1	
29		1.765	3.17	1.214			10	10	41	9	91	78			.1	1	65	14	142	78					4.9	7.3	7.2	7.4	.80	BDL	30	75	17	
30																																		
31				34.64																														
TOTAL		47.762		230							1366					16	84	14	188	83														
AVERAGE		1.547		1.175			10	9.5	60	10	105	83			.1	1	124	77	1474	96	10		6.5	9.8	8.9	7.4	7.6		6.05	45	79	17		
MAXIMUM		2.964		2.421			10	11	78	22	421	91			.2	2																		
MINIMUM		1.097		.650			9	9	36	5	59	39			.1	1	40	5	27	-92			6.5		3.4	6.5	7.1	7.2						

RECEIVED  
MAR 11 2024  
JOHNSON CITY  
BRAUN FIELD OFFICE

REMARKS CBOD SEED DID NOT MEET CRITERIA ON: 2/2, 2/7, 2/8, 2/14, 2/16, 2/22  
CBOD BLANKS DID NOT MEET CRITERIA ON: 2/23, 2/28  
OUR MOL FURTHER .04 / FOR NH<sub>3</sub>-N .1  
T-NIT<sub>2</sub> = 7.6 MG/L / 97 LBS T-PHOS = 0.683 MG/L / 9LBS 2/5/24  
CERTIFIED OPERATOR SIGNATURE Chad E. Chisholm CERTIFICATION NO. 2481 GRADE IV

