

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION

DIVISION OF WATER POLLUTION CONTROL

PLANT Morristown Wastewater Treatment Plant

REPORT OF OPERATION OF WASTEWATER TREATMENT

OWNER Morristown Utilities Commission

MONTH OF February-24

Date	Rainfall	Influent Daily Flow Million Gallons	Influent Maximum Flow Million Gallons	Influent Minimum Flow Million Gallons		Temp C Raw WstWtr	5 Day BOD mg/L			SUSPENDED SOLIDS mg/L			SETTLABLE SOLIDS mg/L			DISSOLVED OXYGEN mg/L			pH		
							Raw WstWtr	Inter Effluent	Final Effluent	Raw WstWtr	Inter Effluent	Final Effluent	Raw WstWtr	Inter Effluent	Final Effluent	Raw WstWtr	Inter Effluent	Final Effluent	Raw WstWtr	Inter Effluent	Final Effluent
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
2/1/2024	0	4.714	5.50	3.60		15	239	312	25	828	184	27	3.0	0.1	<0.1	2.9	4.0	9.0	7.6	7.7	7.7
2/2/2024	0	4.602	7.00	2.50		15							5.5	<0.1	<0.1	5.4	3.3	8.7	7.7	7.7	7.7
2/3/2024	0	3.823	7.50	2.50		14										5.5	4.5	9.1	7.8	7.8	7.8
2/4/2024	0	3.766	8.00	2.50		14	177	212	36	240	168	20				4.2	3.9	9.0	7.7	7.8	7.8
2/5/2024	0	4.536	8.00	1.50		15	309	287	24	1,376	140	13	25.0	0.8	<0.1	2.1	3.8	9.1	6.7	7.8	7.8
2/6/2024	0	4.520	8.50	3.00		15	294	276	32	3,270	164	25	2.0	0.1	<0.1	2.9	4.3	9.0	7.7	7.9	7.9
2/7/2024	0	4.421	8.50	3.00		15	234	248	23	1,890	108	16	125.0	0.2	<0.1	3.1	4.1	9.1	6.9	7.8	7.8
2/8/2024	0	4.309	8.00	0.50		15	189	290	17	950	156	12	1.0	0.1	<0.1	3.1	4.2	9.0	7.1	7.9	7.9
2/9/2024	0.46	4.941	7.00	2.00		16							3.5	<0.1	<0.1	4.8	4.1	8.7	7.6	7.7	7.7
2/10/2024	0.33	6.005	11.00	7.00		14										6.0	6.6	9.2	7.7	7.6	7.6
2/11/2024	0	8.896	11.00	6.50		13	126	113	12	180	148	15				9.1	9.1	9.1	7.8	7.6	7.6
2/12/2024	0.13	7.408	11.00	0		15	153	175	26	212	156	16	2.0	0.2	<0.1	6.1	9.0	9.0	7.5	7.7	7.7
2/13/2024	0	7.629	12.00	4.00		15	181	202	33	212	140	23	2.0	0.5	<0.1	7.1	7.1	9.2	7.5	7.7	7.7
2/14/2024	0	6.930	8.00	4.00		15	201	222	37	272	136	26	3.0	0.9	<0.1	6.4	7.7	9.3	7.5	7.4	7.4
2/15/2024	0	6.676	8.00	4.00		15	199	190	33	296	144	25	3.0	0.2	<0.1	4.9	6.4	9.5	7.4	7.5	7.5
2/16/2024	0.13	6.213	8.00	4.00		15							2.5	0.5	<0.1	4.3	5.6	9.4	7.6	7.6	7.6
2/17/2024	0.04	4.820	8.00	3.50		15										4.3	6.1	9.5	7.6	7.5	7.5
2/18/2024	0	4.673	8.00	0.50		15	143	194	27	212	112	22				4.1	5.7	9.1	7.6	7.7	7.7
2/19/2024	0	5.801	8.00	3.50		15	314	213	38	1,500	112	27	198.0	0.7	<0.1	7.6	5.9	10.0	7.1	7.6	7.6
2/20/2024	0	5.433	11.00	0		16	270	206	28	484	120	22	5.5	0.1	<0.1	4.5	3.7	9.2	6.9	7.2	7.2
2/21/2024	0	5.096	7.00	3.50		17	225	209	36	336	120	25	5.0	0.2	<0.1	2.7	3.8	9.1	7.4	7.4	7.4
2/22/2024	0.18	5.004	7.00	2.50		16	185	180	34	384	112	32	2.5	<0.1	<0.1	4.9	3.5	8.6	7.4	7.5	7.5
2/23/2024	0.24	5.860	8.00	4.50		15							5.5	<0.1	<0.1	4.5	3.2	8.6	7.6	7.5	7.5
2/24/2024	0	4.435	5.50	3.00		15										3.1	3.6	9.1	7.3	7.4	7.4
2/25/2024	0.01	4.202	7.00	3.00		15	188	171	13	496	124	15				3.3	3.1	9.5	7.2	7.3	7.3
2/26/2024	0	4.983	7.00	3.50		15	296	260	24	292	136	17	4.0	<0.1	<0.1	3.4	3.1	9.1	7.2	7.4	7.4
2/27/2024	0.01	4.592	7.20	3.00		16	310	300	28	312	136	21	5.5	<0.1	<0.1	2.9	3.4	9.1	7.3	7.6	7.6
2/28/2024	0.26	5.384	12.00	0		17	253	253	27	368	160	20	10.0	<0.1	<0.1	1.9	3.3	8.1	7.4	7.4	7.4
2/29/2024	0	5.394	9.00	3.00		17	233	250	23	112	144	16	4.0	<0.1	<0.1	3.8	5.1	8.6	7.4	7.5	7.5
TOTAL	1.79	155.066			0.00																
AVERAGE	0.06	5.347			#DIV/0!	15	225	227	26	677	139	21	19.9	0.4	<0.1	4.4	4.9	9.1	7.4	7.6	7.6
MAXIMUM	0.46	8.896	12.00		0.00	17	314	312	38	3,270	184	32	198.0	0.9	<0.1	9.1	9.1	10.0	7.8	7.9	7.9
MINIMUM	0	3.766		0.00	0.00	13	126	113	12	112	108	12	<0.1	<0.1	<0.1	1.9	3.1	8.1	6.7	7.2	7.2

Remarks _____

Signed Barry D. Calfee  Certification

Tennessee Operator #1726 RDA 1859

Date											Raw Wastewater					Final Effluent					
											MLSS	SVI				Nitrogen, Ammonia, total [as N]		Nitrogen, Ammonia, total [as N]	Nitrogen, (T), mg/l	Phosphorous, (T), mg/l	
45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66
2/1/2024											2,860	323					37		54		
2/2/2024											2,750	324					35		56		
2/3/2024											2,430	317									
2/4/2024											2,850	275									
2/5/2024											2,730	320					36		22		
2/6/2024											3,100	300					25		24		
2/7/2024											3,080	284					32		37		
2/8/2024											3,120	304					27		36		
2/9/2024											2,940	323					38		40		
2/10/2024											3,130	265									
2/11/2024											1,200	175									
2/12/2024											2,450	204					7		10		
2/13/2024											2,520	198					14		22		
2/14/2024											2,920	219					17		22		
2/15/2024											3,110	280					17		23		
2/16/2024											2,920	308					23		29		
2/17/2024											2,530	277									
2/18/2024											2,370	295									
2/19/2024											2,200	368					18		15		
2/20/2024											2,410	305					16		29		
2/21/2024											1,560	224					23		36		
2/22/2024											440	114					17		36		
2/23/2024											3,560	267					19		33		
2/24/2024											2,940	301									
2/25/2024											2,860	308									
2/26/2024											2,970	323					62		21		
2/27/2024											2,980	329					20		36		
2/28/2024											2,950	332					124		40		
2/29/2024											2,660	361					23		33		
TOTAL																					
AVERAGE											2,639	284					30.00		31.14	#DIV/0!	#DIV/0!
MAXIMUM											3,560	368					124.00		56.00	0.00	0.00
MINIMUM											440	114					7.00		10.00	0.00	0.00