

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
 DIVISION OF WATER POLLUTION CONTROL

PLANT: Lowland Wastewater Treatment Plant - NPDES TN0068187

REPORT OF OPERATION OF WASTEWATER TREATMENT

OWNER: Morristown Utility Commission

MONTH OF: March-24

Date	Rainfall	Influent Daily Flow Million	Hours Bypassed	Temp C Raw WstWtr	5 Day BOD mg/L			SUSPENDED SOLIDS mg/L			SETTLABLE SOLIDS mg/L			DISSOLVED OXYGEN mg/L			pH		
					Raw WstWtr		Final Effluent	Raw WstWtr		Final Effluent	Raw WstWtr		Final Effluent	Raw WstWtr		Final Effluent	Raw WstWtr		Final Effluent
1	2	3	6	7	8		10	11		13	14		16	17		19	20	21	22
3/1/2024	0.37	0.446734	0.00	13							6.8		<0.3	0.5		7.3	6.9		7.4
3/2/2024	0.01	0.205509	0.00	14										0.5		7.9	6.9		7.5
3/3/2024	0.01	0.129952	0.00	13										0.9		8.1	7.6		7.7
3/4/2024	0.01	0.339860	0.00	13	453		35	432		17				0.7		8.3	7.6		7.6
3/5/2024	0.01	0.401726	0.00	14							5.4		<0.3	0.7		8.6	7.4		7.6
3/6/2024	0	0.491583	0.00	14	698		33	420		20				0.5		7.3	6.8		7.3
3/7/2024	0	0.415866	0.00	14	697		28	196		18	7.1		<0.3	0.3		7.9	7.0		7.7
3/8/2024	0.04	0.415867	0.00	14							6.0		<0.3	0.3		8.3	7.0		7.3
3/9/2024	0.30	0.261875	0.00	15										0.9		8.4	7.0		7.6
3/10/2024	0.01	0.159684	0.00	15										0.6		9.3	7.2		7.6
3/11/2024	0	0.353113	0.00	16	680		12	136		16				0.5		9.2	7.5		7.6
3/12/2024	0	0.375315	0.00	14							5.3		<0.3	0.5		8.6	6.7		7.3
3/13/2024	0	0.381176	0.00	14	571		25	116		13				0.5		8.2	7.2		7.5
3/14/2024	0	0.377667	0.00	15	644		19	248		16	6.5		<0.3	0.4		7.6	6.8		7.4
3/15/2024	0.73	0.476083	0.00	15							6.0		<0.3	0.5		7.8	7.0		7.3
3/16/2024	0	0.214307	0.00	15										0.7		7.7	6.7		7.4
3/17/2024	0	0.165310	0.00	16										0.5		7.8	7.2		7.6
3/18/2024	0	0.325867	0.00	15	542		17	260		18				0.4		6.5	7.4		7.8
3/19/2024	0	0.369504	0.00	15							5.3		<0.3	0.5		8.2	6.9		7.6
3/20/2024	0	0.360718	0.00	15	668		11	348		9				0.5		7.5	7.3		7.5
3/21/2024	0	0.373403	0.00	15	697		10	288		8	9.5		<0.3	0.4		7.5	6.7		7.3
3/22/2024	0.44	0.393795	0.00	15							8.2		<0.3	0.7		6.7	7.0		7.5
3/23/2024	0.27	0.219321	0.00	15										0.8		9.9	7.5		7.5
3/24/2024	0	0.219321	0.00	15										0.6		9.6	7.4		7.8
3/25/2024	0	0.325061	0.00	14	795		17	272		29				0.6		12.8	7.1		7.6
3/26/2024	0.26	0.378028	0.00	15							11.0		<0.3	0.5		10.3	6.9		7.7
3/27/2024	0	0.372622	0.00	15	801		16	372		21				0.6		7.3	6.9		7.5
3/28/2024	0	0.368480	0.00	15	467		14	84		18	3.4		<0.3	0.7		7.2	6.8		7.5
3/29/2024	0	0.296361	0.00	15							4.6		<0.3	0.6		6.8	7.3		7.9
3/30/2024	0	0.185266	0.00	15										0.6		9.2	6.9		7.7
3/31/2024	0	0.149886	0.00	15										0.7		10.8	7.3		7.8
TOTAL	2.46	9.949260	0.00																
AVERAGE	0.08	0.320944	#DIV/0!	14.6	643		20	264		17			<0.3	0.57					
MAXIMUM	0.73	0.491583	0.00	16	801		35	432		29			<0.3	0.88		12.8	7.6		7.9
MINIMUM	0	0.129952	0.00	13	453		10	84		8			<0.3	0.32		6.5	6.7		7.3

Remarks _____

Signed Barry D. Calfee / Barry D Calfee

Certification Tennessee Operator #1726 RDA 1859

Date	Final Effluent																Final Effluent				
				MLSS Aeration Basin #1	MLSS Aeration Basin #2	MLSS Aeration Basin #3		Nitrogen, Ammonia, total mg/L	Nitrogen, Ammonia, total pounds								Mercury, total mg/L		Nitrogen, total mg/L		Phosphoro us, total mg/L
45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66
3/1/2024				3360	3000	2600		17.10	71.19												
3/2/2024				3200	3120	2580															
3/3/2024				3820	3280	2940															
3/4/2024				3800	3120	3240		1.17	3.40									123		14.3	
3/5/2024				3140	4320	2660		0.02	0.08												
3/6/2024				3520	3380	3020		6.60	29.41												
3/7/2024				2840	2600	2440		14.50	49.03												
3/8/2024				2880	2860	2540		50.00	204.05												
3/9/2024				3100	3080	2520															
3/10/2024				3240	3160	2640															
3/11/2024				2960	2960	2620		5.80	17.65									132		11.4	
3/12/2024				3060	2820	2380		0.02	0.13												
3/13/2024				3200	2840	2480		3.14	10.24												
3/14/2024				3180	3200	2760		13.40	55.89												
3/15/2024				3240	3460	2940		12.00	38.64												
3/16/2024				3100	3080	2480															
3/17/2024				3900	3320	2940															
3/18/2024				2620	2660	2380		14.00	44.51									109		10.3	
3/19/2024				2740	2940	2440		0.60	1.73												
3/20/2024				3180	3100	2700		2.00	4.22												
3/21/2024				3280	3100	2900		1.40	5.58												
3/22/2024				4120	3500	3000		2.60	9.65												
3/23/2024				4000	3640	3060															
3/24/2024				3620	4100	3140															
3/25/2024				3980	3840	3400		1.20	3.23									124		11.8	
3/26/2024				4060	4060	3820		0.02	0.07												
3/27/2024				3880	3840	3400		0.02	0.06												
3/28/2024				4180	3920	3340		0.02	0.06												
3/29/2024				3780	3520	3240		0.02	0.05												
3/30/2024				4220	4100	3660															
3/31/2024				4080	4200	3820															
TOTAL								145.63	548.85												
AVERAGE				3,461	3,359	2,906		6.93	26.14							#DIV/0!		122		11.95	
MAXIMUM				4220	4320	3820		50.00	204.05							0.00000		132.00		14.30	
MINIMUM				2620	2600	2380		0.02	0.05							0.00000		109.00		10.30	