

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF WATER POLLUTION CONTROL



TN0024449

REPORT OF OPERATION OF WASTEWATER TREATMENT

PLANT Copper Hill
COUNTY Polk
MONTH OF July 2021

AMO
WL-tyj

DATE	RAINFALL (0.1")	INFLUENT FLOW (MGD)	INFLUENT MAX FLOW (MGD)	EFFLUENT FLOW (MGD)	HOURS BYPASSED	TEMPERATURE INFLUENT (°C)	TEMPERATURE EFFLUENT (°C)	5 DAY CBOD / BOD				AMMONIA NITROGEN				SUSPENDED SOLIDS				SETTLABLE SOLIDS		DISSOLVED OXYGEN		pH		FINAL EFFLUENT						
								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)	EFFLUENT (POUNDS)	PERCENT REMOVAL	INFLUENT (mg/L)	EFFLUENT (mg/L)	INFLUENT (mg/L)	EFFLUENT (mg/L)	INFLUENT (STANDARD UNITS)	EFFLUENT (STANDARD UNITS)	FECAL COLIFORM	TOTAL CHLORINE RESIDUAL (mg/L)	POUNDS OF CHLORINE	POUNDS OF SULFUR DIOXIDE			
1	1.0	.398		.312		19.8	22.5	98	3.15	8.2	97					52	2.5	6.5	95	3	<1.0	4.3	3.8	6.3	6.4	1	1.1	3				
2	.5	.439		.365		20.1	22.9	98.7	3.75	11.5	96									1.5	<1.0	5.3	4.2	6.2	6.4		.7	3				
3		.393		.309		20.0	22.1															5.2	4.0	6.3						4		
4		.370		.283																											3	
5		.340		.283		20.0	22.1													1.5	4.0	5.2	4.0	6.3	6.5					3		
6		.418		.280		19.9	21.9								33	1.5	3.5	95	1.5	4.0	5.1	4.3	6.3	6.4	2	1.1	3			3		
7	.5	.371		.296		20.3	22.6	101.3	3.19	7.9	97				28	1.5	3.7	95	1.5	<1.0	4.5	3.9	6.4	6.3	1	.7	3			3		
8		.383		.296		19.9	21.8	88	2.95	7.3	97				34	2	4.9	94	1.5	<1.0	5.3	4.0	6.2	6.3	1	.7	3			3		
9	.25	.386		.308		20.0	21.0	111	3.56	9.1	97								1.5	<1.0	5.2	4.1	6.4	6.5		.9	4			3		
10		.362		.274																											3	
11	.25	.348		.266																											3	
12	.25	.353		.275		21	22													2	<1.0	5.0	4.0	6.5	6.7		.9	3			3	
13	.25	.357		.271		20.3	22.2								34	1.5	3.4	96	2	<1.0	4.1	3.8	6.3	6.4	2	.9	4			3		
14	.5	.380		.305		20.4	22.6	98.7	3.11	7.9	97				28	1	2.5	96	1.5	<1.0	4.8	3.9	6.2	6.4	2	1.1	3			3		
15		.359		.265		20.2	22.4	100.7	3.73	8.2	96				34	2	4.4	94	1.5	<1.0	5.5	4.0	6.3	6.4	2	1.0	3			3		
16	.625	.405		.324		20.2	22.8	106.3	3.39	10	97								3	<1.0	4.9	3.9	6.2	6.3		.9	3			3		
17	1.875	.613		.573																											3	
18	1.5	.559		.532																											3	
19	.5	.520		.479		21.1	22.7													2	<1.0	4.7	3.8	6.3	6.5		.9	4			3	
20	2.0	.741		.722		20.9	22.1								33	2	12	94	1.5	<1.0	5.1	4.0	6.5	6.4	2	.7	3			3		
21		.557		.516		20.7	21.7	104	3.6	15.6	97				28	2	8.4	93	1.5	<1.0	7.2	3.8	6.2	6.3	1	.7	3			3		
22		.482		.423		20.3	21.9	102	3.2	11.3	97				25	1.5	5.3	94	1.5	<1.0	6.0	3.9	6.3	6.2	2	.8	3			3		
23		.471		.394		20.2	21.9	98	3.2	10.5	97								1.5	<1.0	5.4	4.0	6.4	6.6	1	.9	3			3		
24	.25	.475		.460																											3	
25	.25	.463		.371																											3	
26		.443		.361		20.3	22.0													1.5	<1.0	5.3	4.1	6.4	6.5		.9	4			3	
27		.432		.341		20.0	21.9								35	2	5.7	94	2	<1.0	5.0	4.3	6.4	6.6	2	.9	3			3		
28		.434		.337		21.3	22.1	99.7	3.7	10.4	97				41	2	5.6	95	2	<1.0	4.9	4.0	6.4	6.6	2	1.0	3			3		
29		.421		.324		21.0	23.0	99.7	3.2	8.6	97				34	2	5.4	94	1.5	<1.0	4.8	4.1	6.3	6.5	2	.9	3			3		
30		.403		.311		21.5	23.2	95	3.2	8.2	97								1.5	<1.0	4.6	4.0	6.2	6.3		.9	3			3		
31		.399		.308																											3	
TOTAL		13.477		11.10		449.4	498.3	1400	47.2	134.7	1356				439	23.5	71.5	1229	38.5	<22	42.2	37.9	139	141.5		18.6	98			3		
AVERAGE		.435		.358		20.4	22.2	93.3	3.14	8.9	97				34	1.8	5.5	94	1.75	<1.0	5.1	3.99	6.3	6.43	1.56	.88	3.2			3		
MAXIMUM		.741		.722		21.3	23.2	104	3.75	15.4	97				52	2.5	12	96	3	<1.0	7.2	4.2	6.5	6.7	1	1.1	4			3		
MINIMUM		.340		.266		19.8	21	88	3.11	7.3	96				25	1	2.5	93	1.5	<1.0	4.3	3.8	6.2	6.3		.7	3			3		

REMARKS Certified Operator walked out 8-4-2021 saying he no longer wanted to work here
Therefore we are late submitting M.O.R., Submitting with out O.R. Signature

Geoffrey

RECEIVED

AUG 31 '21