

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF WATER POLLUTION CONTROL

REPORT OF OPERATION ON WASTEWATER TREATMENT
PLANT Cumberland Gap
COUNTY Claiborne
MONTH OF Aug YEAR 2023

DATE	RAINFALL (0.1")	INFLUENT FLOW (MGD)	INFLUENT MAX FLOW (MGD)	EFFLUENT FLOW (MGD)	HOURS BYPASSED	TEMPERATURE INFLUENT (C)	TEMPERATURE	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)	E. coli	FECAL COLIFORM	TOTAL CHLORINE RESIDUAL (mg/L)	POUNDS OF CHLORINE	POUNDS OF SULFUR DIOXIDE	TOTAL NITROGEN (mg/L)	TOTAL PHOSPHORUS (mg/L)				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33				
1		0.043		0.029																	0.10	7.80	7.84									0.016				
2	0.11	0.046		0.030																	0.10	7.83	7.89									0.017				
3	0.56	0.106		0.115																	0.10	7.90	7.85									0.015				
4		0.055		0.045				137.00	3.46	1.30	97.5%		0.066	0.025		136.00	3.00	1.13	97.8%		0.10	8.31	8.00		40							0.016				
5		0.053		0.044																																
6		0.052		0.045																																
7	0.23	0.048		0.040																	0.10	8.03	7.88									0.014				
8	0.05	0.049		0.041																	0.10	8.28	7.81									0.015				
9	0.71	0.071		0.063																	0.10	8.22	8.00									0.014				
10		0.081		0.073				152.50	4.53	2.76	97.0%		0.094	0.057		144.00	4.00	2.44	97.2%		0.10	8.30	7.93		24							0.015				
11		0.079		0.071																	0.10	8.28	7.88									0.015				
12	0.72	0.085		0.082																																
13	0.01	0.075		0.067																																
14	0.13	0.122		0.120																	0.10	8.28	7.92									0.015				
15		0.064		0.055																	0.10	8.22	7.92									0.016				
16		0.058		0.048																	0.10	8.10	7.89									0.017				
17		0.053		0.043				148.00	3.50	1.26	97.6%		0.037	0.013		148.00	4.00	1.43	97.3%		0.10	8.00	8.03		90						0.017					
18		0.053		0.041																	0.10	8.06	8.00									0.016				
19		0.050		0.040																																
20		0.048		0.038																																
21		0.054		0.040																	0.10	7.98	7.99									0.014				
22		0.045		0.037																	0.10	7.99	8.00									0.015				
23		0.041		0.032																	0.10	7.95	8.04									0.016				
24		0.043		0.035																	0.10	7.91	7.89									0.017				
25		0.049		0.039				143.25	3.01	0.98	97.9%		0.039	0.013		144.00	3.00	0.98	97.9%		0.10	7.52	7.86		82							0.018				
26		0.045		0.039																																
27	0.17	0.050		0.041																	0.10	8.30	7.89									0.015				
28		0.064		0.040																	0.10	8.23	7.93									0.016				
29	0.18	0.063		0.063																	0.10	8.10	7.95									0.015				
30		0.062		0.062																	0.10	8.06	8.00									0.018				
31		0.046		0.036				147.00	5.70	1.71	96.1%		0.088	0.026		144.00	5.00	1.50	96.5%		0.10	8.04	7.84		48						0.014					
TOTAL		1.853		1.594	0.000	0	0	727.8	20.20	8.00		0.0	0.324	0.134		716.0	19.00	7.47		0.0	2.40	0.00	193.69	0.00	190.23	284	0	0.376	0	0	0.00	0.00				
AVERAGE		0.060		0.051	0.000	0	0	145.55	4.04	1.60	97.2%	0.0	0.065	0.027	0%	143.20	3.80	1.49	97.3%	0.0	0.10	0.00	8.07	0.00	7.93	51	0	0.016	0	0	0.00	0.00				
MAXIMUM		0.122	0.000	0.120	0.000	0	0	152.50	5.70	2.76	97.9%	0.0	0.094	0.057	0%	148.00	5.00	2.44	97.9%	0.0	0.10	0.00	8.31	0.00	8.04	90	0	0.018	0	0	0.00	0.00				
MINIMUM		0.041		0.029	0.000	0	0	137.00	3.01	0.98	96.1%	0.0	0.037	0.013	0%	136.00	3.00	0.98	96.5%	0.0	0.10	0.00	7.52	0.00	7.81	24.00	0	0.014	0	0	0.00	0.00				

REMARKS RAIN TOTAL= 2.87 "

CERTIFIED OPERATOR SIGNATURE

CERTIFICATION NO.

1184 GRADE 3