

TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
DIVISION OF WATER POLLUTION CONTROL

APR 10 2024

MONTHLY OPERATIONS REPORT TN 0058238

PLANT Niles Ferry Wastewater Treatment Facility  
OWNER Tellico Area Services System 423-884-6229  
MONTH March 2024

Date	Rainfall	Influent Daily Flow 1000 Gallons	Hours Plant Bypassed	Temperature °C Raw Wastewater	CBOD <sub>5</sub>		SUSPENDED SOLIDS			SETTLEABLE SOLIDS			DISSOLVED OXYGEN			pH			FINAL EFFLUENT				
					Raw Wastewater	Final Effluent	Raw Wastewater	Intermediate Effluent	Final Effluent	Raw Wastewater	Intermediate Effluent	Final Effluent	Raw Wastewater	Intermediate Effluent	Final Effluent	Raw Wastewater	Intermediate Effluent	Final Effluent	Raw Wastewater	Intermediate Effluent	Final Effluent	E. COLI	Hydrogen Peroxide
1	2	3	4	5	6	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	24	25	26
1	0.07	583.44		18.4	116	1.13	95	4045	5.5	8	795	.01	4.08	3.07	8.13	7.91	7.00	7.18					
2	0.07	583.44																		0.3	0.3	477.00	15.00
3	0.07	583.44																				477.00	0
4	0	582.26		17.4			110	3955	6	6	760	.01	3.65	2.53	8.61	7.60	7.03	7.38	1.0	0.2	0.2	477.00	15.12
5	0.73	652.29		16.8						21	725	.01	4.52	2.27	8.05	8.34	7.49	7.79	1.0	0.2	0.2	469.00	15.20
6	0.41	924.48		17.8	91	0.61	240	3880	5	26	720	.01	3.69	0.75	7.71	7.40	6.97	7.18	1.0	0.3	0.3	533.00	15.01
7	0	1077.06		15.8	112	1.30				11	515	.01	4.23	1.92	7.75	7.43	6.97	7.18	2.0	0.3	0.2	767.00	15.00
8	0.16	590.70		18.0	171	2.27	150	3755	4.5	10	625	.01	3.52	3.40	7.76	7.65	7.28	7.46		0.3	0.1	556.00	10.42
9	0.16	590.70																				475.00	10.06
10	0.16	590.70																				475.00	10.00
11	0	633.74		16.5			163	3735	1.5	15	735	.01	3.18	1.78	8.43	7.75	7.48	7.85	1.0	0.8	0.2	475.00	0
12	0	599.90		18.5						13	710	.01	3.70	2.43	7.56	7.79	7.45	7.71	178.9	0.8	0.2	496.00	15.04
13	0	532.07		16.7	88	1.51	115	3860	7.5	15	705	.01	3.70	2.78	7.59	7.68	7.37	7.57		0.5	0.2	467.00	15.06
14	1.55	589.70		16.8	162	1.27				15	620	.01	2.96	3.03	7.49	7.66	7.33	7.60	4.1	0.6	0.3	450.00	15.09
15	0.10	689.40		15.6	97	1.61	198	3730	12	15	605	.01	3.97	.06	7.40	7.60	7.25	7.40		0.5	0.1	513.00	15.00
16	0.09	689.40																				590.33	15.02
17	0.09	689.40																				590.33	0
18	0	448.52		15.0			120	3540	4.5	8	630	.01	2.42	4.41	7.88	7.21	7.28	7.42	2.0	0.4	0.1	590.33	0
19	0	452.63		15.3						23	630	.01	4.12	3.36	8.23	7.61	7.30	7.50	1.0	0.4	0.1	374.00	15.18
20	0	451.23		17.8	131	1.19	330	3440	4.0	20	495	.01	4.27	4.64	7.43	7.74	7.32	7.52		0.5	0.2	378.00	15.19
21	0	507.38		17.9	152	1.44				15	660	.01	3.55	3.90	8.32	7.47	7.39	7.62	1.0	0.5	0.2	396.00	0
22	0.23	576.22		20.6	147	2.08	158	3312	7.0	9	600	.01	1.93	0.09	8.33	7.79	7.49	7.66		0.4	0.1	474.00	15.08
23	0.23	576.22																		0.6	0.2	500.67	15.09
24	0.23	576.22																				500.67	0
25	0	546.99		20.6			175	3500	4.5	16	520	.01	2.33	1.00	7.04	7.80	7.46	7.79	45.7	0.3	0.1	500.67	0
26	0.42	688.41		18.6						17	605	.01	3.66	0.53	6.78	7.71	7.36	7.67	27.5	0.4	0.4	469.00	15.14
27	0	524.02		17.0	104	2.06	125	3290	5	11	625	.01	3.14	2.30	7.15	7.60	7.28	7.51		0.6	0.4	622.00	7.88
28	0	464.79		18.9	163	1.65				10	480	.01	2.86	0.06	7.78	7.68	7.42	7.65	1.0	0.4	0.1	461.00	15.06
29	0	494.43		20.5	121	1.56	125	3332	2	8	505	.01	1.87	2.39	8.04	7.58	7.43	7.64		0.5	0.3	392.00	15.00
30	0	494.43																				422.00	8.76
31	0	494.43																				422.00	8.91
TOTAL	4.77	18077.60		370.5	1595	19.68	2104	47374	69	292	13315	0.21	71.35	46.70	163.46	161	153.45	158.38	266.2	8.8	4.5	15172	321.24
Average		583.15		17.64	122.69	1.51	162	3644	5.31	13.9	634	0.01	3.4	2.22	7.78	7.67	7.31	7.54	22.18	0.42	0.2	489.42	10.36
Maximum		924.48		20.60	171	2.27	330	4045	12	26	795	0.01	4.52	4.64	8.61	8.34	7.49	7.85	178.9	0.8	0.4	767.00	15.20
Minimum		448.52		15.00	88	0.61	95	3290	1.5	6	480	0.01	1.87	0.06	6.78	7.21	6.97	7.18	1	0.2	0.1	374.00	0

REMARKS

SIGNED

*Carl Plunk*

CERTIFICATION

*Grade IV 2416*