

TENNESSEE DEPT. OF ENVIRONMENT AND CONSERVATION
DIVISION OF WATER POLLUTION AND CONTROL

REPORT OF OPERATION OF WASTE WATER TREATMENT
PLANT: LICK CREEK VALLEY WWTP
OWNER: TOWN OF MOSHEIM GREENE COUNTY
MONTH: February, 2024

DATE	RAIN FALL	DAILY FLOW INFLUENT MGD	HRS. PLANT BY PASSED	DAILY FLOW EFFLUENT MGD	TEMP C INF. H2 O	TEMP. C EFF. H2O	5 DAY CBOD5				AMMONIA NITROGEN			SUSPENDED SOLIDS				SETTLABLE SOLIDS		DISSOLVED OXYGEN		PH		FINAL EFFLUENT									
							INF. (mg/l)	EFF. (mg/l)	EFF. POUNDS	% REMOVAL	EFF (mg/l)	EFF POUNDS	% REMOV AL	INF. (mg/l)	EFF. (mg/l)	EFF. (pounds)	% Removal	INF. (mg/l)	EFF. (mg/l)	INF. (mg/l)	EFF. (mg/l)	INF. (STD. UNITS)	EFF. (STD. UNITS)	E.Coll	TOTAL CL2 RES.	POUNDS OF CL2	POUNDS OF SO2	TOTAL NITROGEN	NITRITE NITRATE	TOTAL PHOSPH	KIELDAL NITROGEN		
1	0.0	0.7673	0.00	0.7004	12.0	11.8	98	0.200	1.168	99.796	27.90	162.97		233	9	52.572	96.137	8.00	<0.10	0.75	7.82	7.26	7.40		0.02	15	10						
2	0.0	0.6961	0.00	0.6075	13.3	11.9												2.00	<0.10	0.82	7.64	7.30	7.40		0.10	15	10						
3	0.0	0.6573	0.00	0.5997																						15	10						
4	0.0	0.6175	0.00	0.5834																						15	10						
5	0.0	0.5936	0.00	0.4897	13.9	11.4												12.00	<0.10	2.86	7.42	7.50	7.50	1.0	0.14	15	10						
6	0.0	0.6073	0.00	0.5887	12.8	12.1	319	4.200	20.621	98.683	20.00	98.20		227	7	34.368	96.916	14.00	<0.10	0.73	7.44	7.32	7.30	4.0	0.03	15	10	22.0	3.5	3.0	18.9		
7	0.0	0.6151	0.00	0.5986	12.0	11.8	209	7.410	36.993	96.455	21.50	107.33		230	13	64.900	94.348	10.00	<0.10	0.58	7.64	7.23	7.40	16.0	0.01	15	10						
8	0.0	0.6276	0.00	0.6004	12.2	12.0	233	7.010	35.101	96.991	32.50	162.74		233	9	45.066	96.137	8.00	<0.10	0.53	8.02	7.32	7.40		0.01	15	10						
9	0.0	0.6317	0.00	0.6094	13.3	12.7												7.00	<0.10	0.69	8.06	7.41	7.50		0.03	15	10						
10	0.8	0.8276	0.00	0.7154																						15	10						
11	2.2	1.1350	0.00	0.9886																						15	10						
12	0.2	1.1045	0.00	0.9774	12.3	12.3												4.00	<0.10	4.62	8.31	7.30	7.30	73.0	0.05	15	10						
13	1.4	1.2136	0.00	1.0947	12.8	12.9	37	0.200	1.826	99.459	7.43	67.83		170	5	45.649	97.059	5.00	<0.10	3.95	8.82	7.30	7.50	217.0	0.03	15	10	11.0	1.8	1.0	9.3		
14	0.0	0.9006	0.00	0.8137	12.1	12.1	137	0.200	1.357	99.854	11.70	79.40		127	8	54.290	93.701	6.00	<0.10	4.09	7.63	7.35	7.40	10.0	0.04	15	10						
15	0.0	0.7956	0.00	0.6573	12.3	12.3	138	3.640	19.954	97.362	11.10	60.85		140	4	21.928	97.143	9.00	<0.10	2.61	7.52	7.30	7.70		0.08	15	10						
16	0.0	0.7167	0.00	0.6507	12.6	13.0												3.00	<0.10	0.79	7.29	7.29	7.30		0.07	15	10						
17	0.2	0.6861	0.00	0.6103																						15	10						
18	0.0	0.5041	0.00	0.4937																						15	10						
19	0.0	0.6014	0.00	0.5147	13.8	12.2												8.00	<0.10	1.46	7.61	7.44	7.50	14.0	0.08	15	10						
20	0.0	0.6234	0.00	0.5875	15.3	12.2	128	5.560	27.243	95.656	17.00	83.30		188	8	39.198	95.745	13.00	<0.10	0.31	8.07	7.49	7.40	3.0	0.02	15	10	22.0	3.3	3.0	18.3		
21	0.0	0.6457	0.00	0.5944	13.6	11.9	144	4.800	23.795	96.667	21.70	107.57		223	15	74.359	93.274	13.00	<0.10	0.74	7.79	7.41	7.50	2.0	0.08	15	10						
22	0.0	0.6554	0.00	0.6007	13.2	12.2	276	6.460	32.364	97.659	25.00	125.25		323	6	30.059	98.142	11.00	<0.10	0.34	7.64	7.36	7.40		0.03	15	10						
23	0.0	0.7467	0.00	0.6225	13.2	12.2												4.00	<0.10	0.34	7.64	7.35	7.50		0.04	15	10						
24	0.0	0.6137	0.00	0.5874																						15	10						
25	0.0	0.5984	0.00	0.5113																						15	10						
26	0.0	0.6137	0.00	0.5542	15.6	11.6												14.00	<0.10	1.07	7.69	7.36	7.50	5.0	0.03	15	10						
27	0.0	0.6246	0.00	0.5983	14.1	14.5	140	5.370	26.795	96.164	21.80	108.78		227	10	49.898	95.595	11.00	<0.10	1.51	7.08	7.51	7.30	8.0	0.07	15	10	31.0	2.7	2.0	28.2		
28	0.0	0.6257	0.00	0.5981	16.6	15.2	163	5.360	26.737	96.712	23.60	117.72		223	10	49.882	95.516	16.00	<0.10	2.96	7.22	7.50	7.50	286.0	0.07	15	10						
29	1.2	0.7247	0.00	0.6396	14.4	12.6	213	9.690	51.689	95.451	20.90	111.49		237	10	53.343	95.781	9.00	<0.10	1.35	7.92	7.27	7.40		0.02	15	10						
TOTAL	6.0	20.771	0.00	18.788	281.4	260.9	2,235	60.100	305.64	1266.91	262.13	1393.42		2781.00	114.00	615.51	1245.49	187.00	2.10	33.10	162.27	154.57	156.10	639.00	1.05	435.00	290.00	86.00	11.30	9.00	74.70		
AVERAGE	0.2	0.716	0.00	0.648	13.4	12.4	172	4.623	24	97	20	107		214	9	47	96	9	0.1	1.58	7.73	7.36	7.43	53	0.05	15	10	21.50	2.83	2.25	18.68		
MAXIMUM	2.2	1.214	0.00	1.095	16.6	15.2	319	9.690	52	100	33	163		323	15	74	98	16	0.1	4.62	8.82	7.51	7.70	286	0.14	15	10	31.00	3.50	3.00	28.20		
MINIMUM	0.0	0.504	0.00	0.490	12.0	11.4	37	0.200	1	95	7	61		127	4	22	93	2	0.1	0.31	7.08	7.23	7.30	1	0.01	15	10	11.00	1.80	1.00	9.30		

RECEIVED
MAR 22 2024
JOHNSON CITY
ENV. FIELD OFFICE

TRC/BDL = MDL

CERTIFIED OPERATOR SIGNATURE *John Doak*

CERTIFICATION NO. 116788

GRADE WW4