MONTH: OCt 2019

MDE PUBLIC DRINKING WATER PROGRAM - SWTR
SURFACE WATER FILTRATION PLANT MONTHLY OPERATING REPORT

 PWSID: 0100010

System Name: Emmitsburg WTP

Plant Name: Emmitsburg WTP

Type of Filtration: Rapid Sand

Turbidity Readings From *(circle one)* Filter(s) Clearwell

Continuous Monitoring/Recording: a) Turbidity Y/N _____ yes b) Chlorine Residual Y/N_____

	MID	Finished Water						Finished Water Turbidity (circle) continuous or grab samples: C G					Distribution			Flow Data					
						CL_2 Point of Entry				Number of Readings Taken			CL_2 Residual					Backwash Water			
Date	Settled Turb NTU	Finish PH	Total Alk. Mg/l	Town PH	Town Turb	Number of Readings	Minimiumu Residual mg/l	Avg. NTU	Max NTU	Total	.3 < 0.3 NTU	1.0 > 1.0 NTU	Min.	Max.	Averg	Raw Water MGD	Finished Water MGD	MGD	% Total Flow	CL_2 Res. Town Hall	Rainbow Lake Water Level 16.6 is full
1	.031	7.7	–	7.6	.19	3	1.4	.031	.038	6	6	0	1.4	1.5	1.5	.183	.234	.078	42.8	1.4	16.1
2	.034	7.7	–	7.7	.20	3	1.3	.026	.028	6	6	0	1.3	1.4	1.4	.186	.232	.077	41.5	1.3	16.1
3	.041	9.6	–	7.7	.20	3	1.3	.026	.056	6	6	0	1.3	1.3	1.3	.207	.225	.077	37.2	1.3	16.1
4	.037	7.8	–	7.6	.14	3	1.3	.031	.041	6	6	0	1.3	1.4	1.4	.189	.209	.076	40.6	1.3	16.1
5	.037	7.9	–	7.7	.12	3	1.3	.041	.087	6	6	0	1.3	1.3	1.3	.184	.218	.076	41.3	1.3	16.1
6	.043	7.9		7.7	.14	3	1.3	.051	.120	6	6	0	1.3	1.3	1.3	.209	.244	.056	26.8	1.3	16.1
7	.046	8.1	72	7.6	.14	3	1.5	.030	.044	6	6	0	1.3	1.3	1.3	.183	.210	.055	30.0	1.3	16.1
8	.036	8.1	–	7.6	.16	3	1.5	.033	.059	6	6	0	1.3	1.3	1.2	.196	.209	.055	28.1	1.3	16.2
9	.031	8.2	–	7.7	.14	3	1.5	.026	.028	6	6	0	1.3	1.3	1.3	.206	.223	.055	26.7	1.3	16.3
10	.035	8.9	–	7.8	.17	3	1.2	.026	.063	6	6	0	1.1	1.1	1.1	.205	.217	.055	26.8	1.1	16.3
11	.031	8.1	–	7.8	.43	3	1.5	.022	.338	6	5	0	.9	1.1	1.0	.202	.233	.05	24.8	1.0	16.4
12	.032	8.3	–	7.7	.21	3	1.5	.024	.028	6	6	0	.9	1.3	1.1	.199	.241	.05	25.1	1.0	16.4
13	.034	9.2	–	7.7	.18	3	1.6	.023	.027	6	6	0	1.0	1.3	1.1	.194	.251	.05	25.8	1.0	16.4
14	.024	7.0	76	7.7	.21	3	1.5	.024	.026	6	6	0	1.1	1.2	1.1	.192	.224	.055	28.6	1.1	16.4
15	.031	8.3	–	7.6	.23	3	1.5	.023	.025	6	6	0	1.1	1.4	1.2	.194	.206	.052	26.8	1.1	16.4
16	.044	9.1	–	7.6	.30	3	1.4	.024	.024	6	6	0	1.1	1.3	1.2	.190	.189	.052	27.4	1.1	16.4
17	.039	9.0	–	7.6	.36	3	1.4	.025	.027	6	6	0	1.1	1.2	1.2	.188	.201	.055	29.3	1.1	16.5
18	.044	9.0	–	7.6	.22	3	1.4	.035	.131	6	6	0	1.0	1.2	1.1	.183	.198	.051	27.9	1.0	16.5
19	.042	9.1	–	7.7	.21	3	1.4	.026	.028	6	6	0	.9	1.2	1.0	.191	.210	.051	26.7	.9	16.5
20	.045	9.2	–	8.0	.20	3	1.5	.026	.028	6	6	0	.9	1.2	1.0	.195	.219	.052	26.7	.9	16.5
21	.041	7.6	99	8.0	.21	3	1.5	.026	.028	6	6	0	.9	1.2	1.0	.195	.213	.051	26.4	.9	16.4
22	.045	7.4	–	7.6	.24	3	1.3	.028	.031	6	6	0	.9	1.2	1.1	.194	.214	.056	29.3	.9	16.4
23	.043	7.7	–	7.7	.38	3	1.4	.028	.030	6	6	0	1.0	1.2	1.1	.197	.216	.054	27.4	1.0	16.5
24	.040	9.0	–	7.7	.23	3	1.3	.028	.029	6	6	0	1.0	1.3	1.1	.205	.209	.057	27.8	1.0	16.5
25	.041	8.2	–	7.8	.23	3	1.4	.029	.035	6	6	0	1.0	1.2	1.1	.223	.211	.052	23.4	1.0	16.5
26	.051	9.2	–	7.8	.17	3	1.3	.027	.031	6	6	0	.8	1.2	1.0	.219	.212	.052	23.7	.8	16.5
27	.043	9.0	–	7.8	.25	3	1.3	.028	.030	6	6	0	.8	1.2	1.0	.210	.213	.055	26.2	.8	16.6
28	.049	9.2	97	8.0	.27	3	1.3	.028	.034	6	6	0	.8	1.0	.9	.209	.299	.056	27.6	.8	16.6
29	.055	6.0	–	7.9	.32	3	1.1	.032	.040	6	6	0	.8	1.0	.9	.232	.322	.056	24.2	.8	16.6
30	.050	7.2	–	7.6	.43	3	1.1	.027	.031	6	6	0	.8	1.0	.9	.189	.292	.052	27.5	.8	16.6
31	.038	8.7	–	7.6	.66	3	1.3	.026	.029	6	6	0	.8	1.1	.9	.246	.257	.052	21.1	.8	16.6
Total	0.00	0.0	0	0.0	0.00	0	0.0	0.000	0.000	0	0	0	0.0	0.0	0.0	0.000	0.000	0.000	0.000	0.0	
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MONTH: NOV 2019

MDE PUBLIC DRINKING WATER PROGRAM - SWTR
SURFACE WATER FILTRATION PLANT MONTHLY OPERATING REPORT

 PWSID: 0100010

System Name: Emmitsburg WTP

Plant Name: Emmitsburg WTP

Type of Filtration: Rapid Sand

Turbidity Readings From *(circle one)* Filter(s) Clearwell

Continuous Monitoring/Recording: a) Turbidity Y/N _____ yes b) Chlorine Residual Y/N_____

Date	MID Settled Turb NTU	Finished Water pH	Total Alk. Mg/l	Town PH	Town Turb	CL_2 Point of Entry Number of Readings	CL_2 Point of Entry Minimum Residual mg/l	Finished Water Turbidity (circle) continuous or grab samples: C G Avg. NTU	Max NTU	Number of Readings Taken Total	.3 < 0.3 NTU	1.0 > 1.0 NTU	Distribution CL_2 Residual Min.	Max.	Averg	Flow Data Raw Water MGD	Finished Water MGD	Backwash Water MGD	% Total Flow	CL_2 Res. Town Hall	Rainbow Lake Water Level 16.6 is full
1	.046	9.7	–	7.6	.51	3	1.3	.026	.028	6	6	0	.9	1.1	1.0	.236	.237	.049	20.8	.9	16.6
2	.041	9.2	–	7.6	.52	3	1.5	.025	.027	6	6	0	.9	1.1	1.0	.243	.213	.050	20.6	.9	16.6
3	.025	8.9	–	7.8	.57	3	1.6	.026	.026	6	6	0	.8	1.1	.9	.240	.221	.050	20.9	.8	16.6
4	.034	8.6	–	7.9	.31	3	1.6	.026	.026	6	6	0	.9	1.0	1.0	.220	.235	.050	21.0	.9	16.6
5	.036	8.5	84	8.0	.27	3	1.6	.025	.027	6	6	0	1.0	1.1	1.1	.217	.197	.050	23.1	1.0	16.6
6	.027	8.5	–	7.9	.33	3	1.7	.026	.026	6	6	0	1.0	1.1	1.1	.217	.207	.058	26.7	1.0	16.6
7	.036	8.6	–	7.9	.43	3	1.3	.030	.054	6	6	0	1.0	1.2	1.1	.203	.209	.050	24.8	1.1	16.6
8	.029	7.7	–	7.8	.59	3	1.3	.024	.026	6	6	0	1.0	1.1	1.0	.192	.193	.050	25.9	1.0	16.6
9	.025	8.6	–	7.7	.28	3	1.8	.024	.055	6	6	0	.9	1.1	1.0	.193	.194	.050	25.9	.9	16.6
10	.024	8.7	–	7.7	.25	3	1.7	.023	.024	6	6	0	1.0	1.1	1.1	.197	.207	.050	25.4	1.0	16.6
11	.026	8.6	69	7.7	.33	3	1.7	.023	.025	6	6	0	1.0	1.1	1.1	.201	.198	.055	27.4	1.0	16.6
12	.027	9.0	–	7.6	.32	3	1.3	.025	.026	6	6	0	1.1	1.3	1.2	.192	.194	.054	28.1	1.1	16.6
13	.032	9.6	–	7.7	.27	3	1.2	.026	.027	6	6	0	1.0	1.3	1.1	.211	.209	.054	25.6	1.1	16.6
14	.043	9.4	–	7.7	.21	3	1.3	.027	.028	6	6	0	1.0	1.3	1.1	.225	.208	.056	24.9	1.1	16.6
15	.045	9.1	–	7.8	.30	3	1.0	.027	.084	6	6	0	.9	1.0	.9	.234	.193	.051	21.8	.9	16.6
16	.050	8.2	–	7.6	.17	3	1.6	.025	.026	6	6	0	.7	.9	.8	.245	.196	.051	20.8	.7	16.6
17	.057	9.2	–	7.6	.21	3	1.6	.025	.026	6	6	0	.6	.9	.7	.235	.221	.053	22.6	.6	16.6
18	.051	8.6	72	7.6	.40	3	1.2	.025	.031	6	6	0	.8	1.4	1.0	.242	.206	.042	17.2	.8	16.6
19	.053	9.4	–	7.9	.45	3	1.1	.026	.029	6	6	0	1.2	1.3	1.2	.237	.199	.042	17.5	1.2	16.5
20	.059	8.9	–	8.0	.48	3	1.1	.027	.029	6	6	0	.9	1.1	1.0	.231	.224	.039	16.9	.9	16.5
21	.058	7.7	–	8.0	.32	3	1.0	.042	.056	6	6	0	.8	.9	.8	.231	.213	.041	17.7	.8	16.5
22	.084	7.1	–	7.8	.41	3	1.1	.044	.074	6	6	0	.7	1.1	.9	.221	.192	.039	17.8	.8	16.4
23	.072	8.5	–	7.7	.35	3	1.6	.039	.042	6	6	0	.8	1.2	1.0	.215	.207	.039	18.3	.9	16.4
24	.085	9.4	–	7.7	.33	3	1.6	.039	.041	6	6	0	.9	1.2	1.0	.205	.207	.039	19.1	.9	16.6
25	.029	9.1	78	7.8	.38	3	1.9	.040	.044	6	6	0	.9	1.2	1.1	.196	.186	.038	19.3	.9	16.6
26	.074	9.0	–	7.8	.24	3	1.8	.039	.045	6	6	0	.9	1.1	1.0	.192	.186	.039	20.4	.9	16.5
27	.053	8.8	–	7.8	.34	3	1.6	.039	.060	6	6	0	.9	1.2	1.1	.191	.198	.037	19.2	.9	16.5
28	.035	9.1	–	7.8	.18	3	1.8	.035	.039	6	6	0	.9	1.2	1.1	.196	.201	.037	19.0	.9	16.5
29	.040	9.0	–	8.0	.24	3	1.9	.038	.039	6	6	0	1.0	1.2	1.1	.190	.191	.037	19.6	1.0	16.5
30	.046	8.0	–	7.9	.31	3	1.7	.038	.039	6	6	0	1.0	1.2	1.1	.197	.199	.037	18.7	1.0	16.5
31																					
Total	0.00	0.0	0	0.0	0.00	0	0.0	0.000	0.000	0	0	0	0.0	0.0	0.0	0.000	0.000	0.000	0.000	0.0	
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 PWSID: 0100010

MDE PUBLIC DRINKING WATER PROGRAM - SWTR
SURFACE WATER FILTRATION PLANT MONTHLY OPERATING REPORT

System Name: Emmitsburg WTP

MONTH: DEC 19

Type of Filtration: Rapid Sand

Continuous Monitoring/Recording: a) Turbidity Y/N yes b) Chlorine Residual Y/N

Plant Name: Emmitsburg WTP

Turbidity Readings From (circle one) Filter(s) Clearwell

Date	MID Settled Turb NTU	Finished Water pH	Total Alk. mg/l	Town PH	Town Turb	CL_2 Point of Entry: Number of Readings	CL_2 Point of Entry: Minimum Residual mg/l	Finished Water Turbidity (circle) continuous or grab samples: C G: Avg. NTU	Max NTU	Number of Readings Taken: Total	.3 NTU	1.0 NTU	Distribution CL_2 Residual: Min.	Max	Averg	Flow Data: Raw Water MGD	Finished Water MGD	Backwash Water: MGD	% Total Flow	CL_2 Res. Town Hall	Rainbow Lake Water Level 16.6 is full
1	.045	8.0	-	7.7	.022	3	1.7	.038	.040	6	6	0	1.0	1.2	1.1	.196	.206	.041	20.9	1.0	16.5
2	.043	8.8	64	7.7	.27	3	1.7	.039	.043	6	6	0	1.0	1.2	1.1	.202	.199	.042	20.6	1.0	16.6
3	.048	9.0	-	7.4	.22	3	1.6	.039	.041	6	6	0	1.1	1.2	1.1	.209	.193	.042	19.9	1.1	16.6
4	.049	9.3	-	7.5	.32	3	1.6	.039	.055	6	6	0	1.0	1.2	1.1	.220	.204	.042	18.9	1.0	16.6
5	.050	9.5	-	7.8	.23	3	1.5	.039	.042	6	6	0	1.0	1.1	1.0	.229	.200	.043	18.8	1.0	16.6
6	.059	8.9	-	7.7	.24	3	1.2	.042	.090	6	6	0	.9	1.0	.9	.237	.198	.038	16.0	.9	16.6
7	.054	9.0	-	8.0	.33	3	1.3	.039	.041	6	6	0	.8	.9	.9	.232	.204	.038	16.4	.8	16.6
8	.059	7.5	-	8.0	.17	3	1.1	.039	.040	6	6	0	.7	.9	.8	.235	.208	.039	16.6	.7	16.6
9	.057	8.0	-	7.9	.27	3	1.6	.039	.041	6	6	0	.8	.9	.9	.232	.193	.039	16.6	.8	16.5
10	.056	8.6	62	7.9	.31	3	1.8	.038	.044	6	6	0	.9	1.03	1.0	.237	.208	.039	16.6	.9	16.6
11	.049	8.3	-	7.8	.36	3							.8	1.0	.9					.8	16.6
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Total	0.00	0.0	0	0.0	0.00	0	0.0	0.000	0.000	0	0	0	0.0	0.0	0.0	0.000	0.000	0.000	0.000	0.0	
Avg	######	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#####	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!