

To: Village Board

From: Neal A. Winkler, Water Plant Operator.

RE: monthly report

Submitted for February 13th, 2024

Water Plant

- 1) Filter cleaning as needed. Cleaned 1 filter in January.
 - 2) Fourth Quarter DBPs sample results, THMs at 41.3 ug/l quarterly at 72.4 ug/l, MCL is 80. Haa5 was 50 ug/l quarterly average at 64.08 MCL is 60. This put us over the limits. Still waiting for DOH to respond to my arguments that the lab made a mistake.
 - 3) DEC selected our community to work with a technical assistance provider to aid in the development of a Drinking Water Source Protection Program. This is a voluntary program, and there will be no out-of-pocket costs to participating municipalities for developing their DWSP2 Plan. However, municipalities are expected to commit staff, resources (e.g., local data and source information, conference rooms) January 2024 and time to the process. The TA provider will work with the municipality to execute each step in the DWSP2 Framework, and the municipality will be very involved in the process and make the final decisions about implementation activities.
 - 4) Working on a list of commercial customers that require backflow prevention as requested by DOH.
 - 5) Meter recommendation.
 - 6) Caulfield Development cost recovery?
 - 7) As of this report I have no updates from DEC on the logging issue. Continue to have elevated raw water turbidities during heavy rain events, as reflected in the number of filter cleanings.
 - 8) Any questions or concerns feel free to call, text or Email.
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Attachments

- 1) January, water plant flow report.
- 2) Disinfection By Products spread sheet

Respectfully, Neal A. Winkler, Water Plant Operator.

9-2
2/13/24

	Filter Flow (gpd)	Effluent Flow (gpd)	Precip. (in.)	Filter Bed Turbidity NTU	Raw Water Turbidity NTU	Clearwell (in. below full)	Village CL2 Residual mg/l	Village Turbidity NTU	Entry Point CL2 Residual mg/l	CL2 Tank Weight (lbs)	# CL2 Used/Day	Phosp. Residual (mg/l)
Jan-24												
1	341,465	373,951	0.00	0.049	0.277	0	0.66		0.997	81	8	
2	444,732	515,608	0.00	0.046	0.237	12	0.29	0.082	1.156	73	8	0.36
3	531,365	549,952	0.00	0.044	0.223	15	0.76	0.072	1.054	64	9	
4	545,329	531,844	0.02	0.042	0.216	17	0.67	0.084	0.983	55	9	
5	532,779	513,030	5"s	0.042	0.231	16	0.53	0.101	1.074	45	10	
Sat. 6	470,747	383,218	0.00	0.041	0.199	10	0.85		1.161	35	10	
Sun. 7	420,738	407,877	4.5"s	0.041	0.215	2	0.91		1.139	27	8	
8	474,626	581,742	3"s	0.040	0.217	6	1.15	0.087	1.159	18	9	
9	544,427	549,703	0.00	0.040	0.237	16	0.87	0.108	1.255	9	9	
10	544,561	559,177	0.25	0.041	0.379	16	0.81	0.063	1.221	0	9	
11	540,002	536,974	0.25	0.042	0.503	18	0.74	0.091	1.183	142	8	
12	523,880	495,183	5"s	0.044	0.354	17	0.43	0.111	1.037	135	7	
Sat. 13	465,263	379,021	0.30	0.045	0.285	13	0.72		1.008	127	8	
Sun. 14	407,434	389,445	2"s	0.043	0.467	4	0.81		1.095	117	10	
15	450,342	576,856	2"s	0.051	0.338	4	0.81	0.094	1.154	109	8	
16	538,633	575,368	0.00	0.045	0.291	23	0.31		0.958	101	8	
17	560,889	590,996	4"s	0.056	0.162	26	0.60	0.074	0.976	91	10	
18	580,414	572,121	0.00	0.056	0.151	31	0.73	0.066	0.981	82	9	
19	576,280	546,189	0.00	0.054	0.139	30	0.44	0.089	1.014	72	10	
Sat. 20	511,540	398,507	0.00	0.047	0.135	22	0.80		1.075	62	10	
Sun. 21	437,958	405,854	0.00	0.046	0.131	10	0.86		1.118	52	10	
22	460,103	543,171	0.00	0.046	0.124	11	1.14	0.062	1.182	45	7	0.89
23	526,480	550,350	0.00	0.051	0.124	20	0.71	0.077	1.220	38	7	
24	540,923	556,016	2"s	0.047	0.127	21	0.97	0.073	1.101	31	7	
25	571,202	567,797	0.90	0.047	0.433	26	0.88	0.063	1.024	23	8	
26	537,975	514,700	1.10	0.051	1.014	24	0.56	0.078	1.176	14	9	
Sat. 27	472,048	402,725	0.20	0.063	0.891	21	0.72		1.145	5	9	
Sun. 28	427,233	404,602	0.00	0.073	0.402	13	0.59		1.050	<2/148	9	
29	475,928	586,374	0.50	0.065	0.306	15	0.71	0.056	1.006	139	9	0.87
30	548,633	598,896	0.00	0.059	0.239	27	0.39	0.060	0.922	131	8	
31	569,051	545,594	0.00	0.055	0.194	32	0.44	0.066	0.938	121	10	
Total	15,572,980	15,702,841	3.52	1.512	9.241	518	21.860	1.657	33.562	2,044	270	2.12
Average	502,354	506,543		0.049	0.298	17	0.71	0.079	1.083	68	8.7	0.71