

To: Village Board

From: Neal A. Winkler, Water Plant Operator.

RE: monthly report

Submitted for January 17th, 2022

Water Plant

- 1) Filter cleaning as needed, cleaned 2 filters this month.
 - 2) Water test taken in November showed us over the limit for Hexachlorocyclopentadiene, is the key intermediate in the manufacture of some pesticides, including heptachlor, chlordane, aldrin, dieldrin, and endrin. (5,6)
Hexachlorocyclopentadiene is also used in the manufacture of flame retardants and some resins and dyes. (1,8)
 - 3) DOH completed semi-annual inspection, still waiting for report.
 - 4) 4th Quarter Haloacetic acids 24.5 bring our average down again to 33.4.
 - 5) Data collection system is working well, still working out some bugs.
 - 6) Working with Chet to plan reservoir wall repairs, waiting on permits.
 - 7) Service line repair on West State St..
 - 8) Any questions or concerns feel free to call, text or Email.
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Attachments

- 1) December, water plant flow report.
- 2) DEC Water withdrawal Report.

Respectfully, Neal A. Winkler, Water Plant Operator.

	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	Phosph. Residual (mg/l)
Dec-22												
1	556,590	606,672	0.00	0.054	0.310	32	0.49	0.071	0.841	60	12	
2	580,690	612,247	0.00	0.052	0.240	36	0.36	0.091	0.902	47	13	
Sat. 3	539,261	528,586	0.20	0.050	0.189	27	0.61		0.911	36	11	
Sun. 4	470,259	373,843	0.80	0.050	0.646	13	0.63		1.085	24	12	
5	394,045	386,743	0.00	0.056	0.271	21	0.87	0.043	1.104	15	9	0.36
6	442,556	601,096	0.00	0.055	0.398	44	0.45	0.055	0.872	6	9	
7	574,000	585,369	0.80	0.053	0.362	44	0.32	0.063	0.881	1/145	10	
8	592,800	574,220	0.35	0.066	0.275	39	0.74	0.059	1.079	130	15	
9	614,800	569,600	0.00	0.069	0.168	32	0.42	0.076	0.858	116	14	
Sat. 10	543,700	485,496	0.00	0.061	0.135	18	0.51		0.882	104	12	
Sun. 11	438,500	380,354	0.00	0.056	0.116	18	0.73		1.243	90	14	
12	441,700	388,408	6" s	0.052	0.108	5	1.18	0.052	1.418	76	14	0.80
13	328,400	557,020	0.00	0.050	0.103	25	0.81	0.059	1.148	67	9	
14	508,300	579,130	0.00	0.048	0.097	36	0.44	0.074	1.048	57	10	
15	515,000	573,696	0.00	0.047	0.102	47	0.74	0.061	1.021	47	10	
16	512,900	554,549	2" s	0.047	0.101	53	0.71	0.066	1.045	38	9	
Sat. 17	569,200	540,400	4" s	0.048	0.104	54	0.68		0.966	29	9	
Sun. 18	574,800	374,461	0.00	0.048	0.096	19	0.79		0.969	20	9	
19	465,400	387,313	2" s	0.049	0.093	10	1.11	0.053	1.058	10	10	0.66
20	524,200	565,800	2" s	0.049	0.088	17	0.81	0.056	1.019	0	10	
21	549,697	559,628	0.00	0.049	0.086	18	0.68	0.089	0.979	140	10	
22	563,470	572,266	0.00	0.049	0.085	19	0.83	0.067	0.964	130	10	
23	561,344	532,553	2.00	0.049	0.241	15	0.49	0.078	0.965	121	9	
Sat. 24	520,703	448,913	2" s	0.056	0.403	5	0.85		1.157	108	13	
Sum. 25	429,336	376,122	0.00	0.068	0.188	1	0.79		1.269	96	12	
26	384,737	368,055	0.00	0.066	0.126	1	1.11	0.048	1.234	86	10	0.31
27	385,068	379,288	0.00	0.060	0.113	4	0.89	0.068	1.239	76	10	
28	449,410	588,700	0.00	0.056	0.101	18	0.81	0.101	1.112	66	10	
29	549,745	583,028	0.00	0.054	0.094	23	0.66	0.052	0.967	56	10	
30	575,660	603,686	0.00	0.053	0.094	26	0.41	0.093	0.751	50	6	
Sat. 31	536,270	587,012	0.00	0.054	0.135	16	0.73		0.815	41	9	
Total	15,692,541	15,824,254	4.15	1.674	5.668	736	21.650	1.475	31.802	1,942	330	2.13
Average	506,211	510,460	11" snow	0.054	0.183	24	0.70	0.067	1.026	65	10.6	0.53