

Town of Gaston
June 2024
Public Water Supply I.D. No. 5218008
I.D.E.M. Field Rep. Thomas Wiseman

I certify under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.

Submitted by: **RAY GILLESPIE Certification No. WT100059**

Signature: *Ray Gillespie* Date: **7/1/2024**

FILTER DATA:

DATE	Water Treated		Chemicals:			Chlorine Residuals mg/l			Effluent Fluoride	Effluent pH	Effluent Hardness	Effluent Alkalinity	Iron		Manganese		Filter Run Backwash			Remarks
	MGD	Chlorine lbs./MG	KmNO4 lbs/MG	Fluoride lbs./MG	Plant Effluent Free	Plant Effluent Total	Distr Sys Free	Distr Sys Total	mg/l		mg/l	mg/l	Raw mg/l	Effluent mg/l	Raw mg/l	Effluent mg/l	Filter No.	hours	gal x 1000	
1	0.061	34.7		41.3	2.16	2.20	1.04	1.30	0.9											
2	0.066	39.2		0.0	1.85	2.06	0.99	1.17	0.9											
3	0.044	41.2		57.2	1.90	2.16	0.94	1.14	0.9	7.2			2.04	0.03						
4	0.070	38.4		0.0	1.86	2.06	0.93	1.11	0.9	7.3			2.15	0.06					3	
5	0.086	37.2		29.1	1.90	2.15	0.99	1.18	0.9	7.3			2.52	0.01						
6	0.031	35.6		0.0	1.81	2.00	0.98	1.16	0.9	7.2			2.33	0.02						
7	0.053	41.9		0.0	2.20	2.20	1.06	1.27	0.9	7.2			2.59	0.06						
8	0.059	34.0		42.4	1.21	1.44	0.88	1.07	0.9											
9	0.048	33.3		0.0	2.20	2.20	1.06	1.26	0.9											
10	0.070	35.5		34.1	1.86	2.11	0.80	1.03	0.9	7.2			1.83	0.09	0.051	0.048			3	
11	0.053	39.9		0.0	1.89	2.17	1.09	1.26	0.9	7.2			2.41	0.02						
12	0.058	37.9		43.0	2.20	2.20	1.04	1.28	0.9	7.2			2.35	0.02						
13	0.063	47.8		0.0	1.66	1.84	0.93	1.13	0.9	7.2			2.52	0.04						
14	0.052	28.7		44.1	1.77	2.04	0.73	0.94	0.9	7.2			2.44	0.04						
15	0.078	38.7		31.0	2.07	2.20	1.01	1.22	0.9											
16	0.059	38.9		0.0	1.82	2.06	0.99	1.19	0.9										3	
17	0.048	37.6		0.0	2.09	2.20	1.09	1.26	0.9	7.3			2.61	0.03						
18	0.062	36.9		43.3	1.39	1.66	0.81	1.02	0.9	7.2			2.66	0.02						
19	0.062	41.9		0.0	1.81	2.06	1.05	1.21	0.9	7.3			2.40	0.06						
20	0.048	39.3		55.9	1.61	1.87	0.81	1.04	0.9	7.2			2.31	0.04						
21	0.071	53.5		0.0	2.18	2.20	0.99	1.20	0.9	7.2			2.58	0.05						
22	0.051	25.5		49.0	2.20	2.20	1.11	1.29	0.9										3	
23	0.063	44.8		0.0	1.72	1.96	0.88	1.08	0.9											
24	0.062	47.0		40.5	1.73	1.94	0.90	1.07	0.9	7.3			2.91	0.03						
25	0.041	44.0		0.0	1.94	2.19	0.93	1.16	0.9	7.2			2.44	0.03						
26	0.063	44.8		40.0	2.20	2.20	1.12	1.33	0.9	7.2			2.52	0.05						
27	0.062	46.5		0.0	1.92	2.11	1.08	1.22	0.9	7.2			2.14	0.04						
28	0.043	44.1		55.7	1.80	2.06	0.79	1.15	0.9	7.2			2.29	0.07					3	
29	0.059	45.8		0.0	2.20	2.20	1.05	124.00	0.9											
30	0.065	44.5		35.3	1.86	2.05	1.03	1.21	0.9											
TOT.	1.750	1199.3		641.9																
AVG.	0.058	40.0		21.4	1.90	2.07	0.97	5.27	0.91				2.40	0.04	0.051	0.048			3	
MAX.	0.086	53.5		57.2	2.20	2.20	1.12	124.00	0.94	7.3			2.91	0.09	0.051	0.048			3	
MIN.	0.031	25.5		0.0	1.21	1.44	0.73	0.94	0.86	7.2			1.83	0.01	0.051	0.048			3	

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Submitted by: RAY GILLESPIE Certification No. WT100059

Signature: *Ray Gillespie* Date: 07/01/2024

Chemicals		DATE	By	Time On	Time Off	Water Treated MGD	Previous Meter Reading	Current Meter Reading	% Plant Capacity (.216)MGD	Remarks
Fluoride Gallons	Chlorine lbs.									
2.5	2.1	1	RG			0.061	768099	768704	28%	
0	2.6	2	RG			0.066	768704	769367	31%	
2.5	1.8	3	RG			0.044	769367	769804	20%	
0	2.7	4	RG			0.070	769804	770508	33%	
2.5	3.2	5	RG			0.086	770508	771368	40%	
0	1.1	6	RG			0.031	771368	771677	14%	
0	2.2	7	RG			0.053	771677	772202	24%	
2.5	2.0	8	RG			0.059	772202	772791	27%	
0	1.6	9	RG			0.048	772791	773271	22%	
2.4	2.5	10	RG			0.070	773271	773975	33%	
0	2.1	11	RG			0.053	773975	774501	24%	
2.5	2.2	12	RG			0.058	774501	775082	27%	
0	3.0	13	RG			0.063	775082	775709	29%	
2.3	1.5	14	RG			0.052	775709	776231	24%	
2.4	3.0	15	RG			0.078	776231	777006	36%	
0	2.3	16	RG			0.059	777006	777597	27%	
0	1.8	17	RG			0.048	777597	778076	22%	
2.7	2.3	18	RG			0.062	778076	778699	29%	
0	2.6	19	RG			0.062	778699	779320	29%	
2.7	1.9	20	RG			0.048	779320	779803	22%	
0	3.8	21	RG			0.071	779803	780513	33%	
2.5	1.3	22	RG			0.051	780513	781023	24%	
0	2.8	23	RG			0.063	781023	781648	29%	
2.5	2.9	24	RG			0.062	781648	782265	29%	
0	1.8	25	RG			0.041	782265	782674	19%	
2.5	2.8	26	RG			0.063	782674	783299	29%	
0	2.9	27	RG			0.062	783299	783922	29%	
2.4	1.9	28	RG			0.043	783922	784353	20%	
0	2.7	29	RG			0.059	784353	784942	27%	
2.3	2.9	30	RG			0.065	784942	785594	30%	
37.2	70.3	TOT.				1.750				
1.2	2.3	AVG.				0.058			27.0%	
2.7	3.8	MAX.				0.086			39.8%	
0.0	1.1	MIN.				0.031			14.3%	