



Fluoridation & Chlorination

WSSN 2310

Oct-19

D A T E	Fluoride Applied F mg/l	Fluoride Analyses mg/l			Chlorine App. Mg/l			Chlorine Residual mg/l							
					Chlorine App. Mg/l	Chlorine (prior to filtration) mg/L OCl ⁻	Post Chlorine mg/L	Sta II	Dort	3MG Well	Tap				
		Raw	Tap	Dist							Free	Free	Free	Free	
		14	15	16	17	18	19	20	21	22	23	24	25	26	27
1		0.66	0.65		1.16				0.9						1.7
2		0.65	0.65		1.07				1.0						1.7
3		0.58	0.58		1.11				0.9						1.7
4		0.60	0.59		1.15				1.0						1.7
5		0.59	0.59		1.20				0.9						1.7
6		0.56	0.57		1.25				0.9						1.6
7		0.54	0.55		1.25				0.9						1.7
8		0.55	0.55		1.15				0.9						1.7
9		0.62	0.63		1.06				0.9						1.7
10		0.60	0.59		1.12				0.9						1.7
11		0.60	0.60		1.09				0.7						1.5
12		0.60	0.60		1.06				0.9						1.6
13		0.59	0.59		1.15				0.9						1.6
14		0.59	0.59		1.17				0.9						1.7
15		0.59	0.59		1.16				0.8						1.6
16		0.50	0.54		0.96				0.9						1.6
17		0.58	0.58		0.90				0.9						1.8
18		0.60	0.60		0.94				1.0						1.7
19		0.61	0.62		0.96				1.0						1.8
20		0.63	0.63		0.88				0.9						1.7
21		0.63	0.62		1.09				0.9						1.7
22		0.62	0.61		1.28				0.9						1.7
23		0.60	0.58		1.25				0.9						1.7
24		0.54	0.54		1.24				0.9						1.7
25		0.71	0.77		1.17				1.0						1.7
26		0.63	0.68		1.25				1.0						1.7
27		0.62	0.68		1.14				0.9						1.7
28		0.64	0.60		1.26				0.9						1.6
29		0.84	0.83		1.24				0.9						1.7
30		0.77	0.72		1.23				1.0						1.7
31		0.59	0.62		1.17				1.0						1.7
AVG			0.62		1.13				0.9						1.7
MAX			0.83		1.28				1.0						1.8
MIN			0.54		0.88				0.7						1.5



Chemical Analyses

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D A T E	pH		Total Hardness as CaCO ₃ mg/l		Total Alkalinity as CaCO ₃ mg/l		NonCarbonate Hardness as CaCO ₃ mg/l		Iron mg/L		Calcium Ca ²⁺ mg/l		Magnesium as Mg ²⁺ mg/l		Chloride as Cl ⁻ mg/l	
	CSII	Tap	Raw	Tap	Raw	Tap	Raw	Tap	Raw	Tap	Raw	Tap	Raw	Tap	Raw	Tap
	29	30	31	32	33	34	35	36	37	38.00	39	40	41	42	43	44
1	7.25	7.55	102	100	80	82	32	30	0.04	0.02	28.1	28.1	7.8	7.3	15	17
2	7.30	7.53		100		86		32	0.0	0.02		27.3		7.8		15
3	7.53	7.59		102		84		34	0.03	0.02		27.3		8.3		15
4	7.45	7.55		104		86		34	0.01	0.00		28.1		8.3		16
5	7.51	7.59		106		84		36	0	0.09		28.1		8.7		15
6	7.51	7.56		106		84		36	0.03	0.01		28.1		8.7		15
7	7.32	7.46		104		84		34	0.02	0.01		28.1		8.3		16
8	7.46	7.47	102	102	80	84	32	34	0.02	0.00	28.1	27.3	7.8	8.3	14	15
9	7.54	7.56		102		80		32	0.01	0.02		28.1		7.8		15
10	7.47	7.62		100		80		30	0.01	0.01		28.1		7.3		16
11	7.21	7.61		102		86		30	0	0.01		28.9		7.3		18
12	7.21	7.48		102		82		30	0.01	0.02		28.9		7.3		16
13	7.25	7.42		100		86		30	0	0.01		28.1		7.3		16
14	7.33	7.41		102		86		30	0.06	0.01		28.9		7.3		17
15	7.26	7.50	100	102	80	84	28	30	0	0.02	28.9	28.9	6.8	7.3	16	16
16	7.24	7.46		102		84		30	0.02	0.01		28.9		7.3		16
17	7.59	7.65		104		86		36	0.02	0.01		27.3		8.7		14
18	7.47	7.57		104		82		36	0.01	0.02		27.3		8.7		15
19	7.23	7.58		104		86		34	0.03	0.03		28.1		8.3		16
20	7.14	7.54		104		84		34	0.02	0.03		28.1		8.3		15
21	7.30	7.49		104		86		34	0	0.01		28.1		8.3		15
22	7.46	7.58	102	102	78	84	32	32	0.01	0.01	28.1	28.1	7.8	7.8	15	15
23	7.08	7.44		102		86		32	0.01	0.01		28.1		7.8		15
24	7.24	7.55		100		86		30	0	0.01		28.1		7.3		16
25	7.30	7.50		100		86		28	0.02	0.01		28.9		6.8		17
26	7.20	7.65		100		86		30	0.04	0.03		28.1		7.3		16
27	7.26	7.57		100		82		30	0.03	0.01		28.1		7.3		16
28	7.26	7.60		102		82		30	0	0.02		28.9		7.3		16
29	7.28	7.56	102	102	82	86	30	30	0.02	0.00	28.9	28.9	7.3	7.3	16	15
30	7.25	7.55		102		84		30	0	0.00		28.9		7.3		13
31	7.20	7.48		104		86		36	0.02	0.01		27.3		8.7		14
AVG	7.33	7.54		102		84		32		0.02		28.2		7.8		16
MAX	7.59	7.65		106		86		36		0.09		28.9		8.7		18.0
MIN	7.08	7.41		100		80		28		0.00		27.3		6.8		13.0



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D A T E	Total Coliform						66	Standard Plate Count		Conductivity (mS)	Temp deg.C	Color		Odor	
	Plant Tap							Raw	Tap			Raw	Tap	Raw	Tap
			Dort	3MG Well	Sta II	Lab Tap									
	60	61	62	63	64	65									
1						2/0			0.23	15.4					
2						2/0			0.23	15.5					
3						2/0			0.23	15.8					
4						2/0			0.23	15.3					
5						2/0			0.23	15.0					
6						2/0			0.23	15.8					
7						2/0			0.23	15.4					
8						2/0			0.23	15.1					
9						2/0			0.23	15.4					
10						2/0			0.24	15.7					
11						2/0			0.23	15.8					
12						2/0			0.23	15.9					
13						2/0			0.23	16.1					
14						2/0			0.23	15.8					
15						2/0			0.23	15.3					
16						2/0			0.23	15.4					
17						2/0			0.23	15.8					
18						2/0			0.23	14.8					
19						2/0			0.23	14.1					
20						2/0			0.23	14.4					
21						2/0			0.23	14.2					
22						2/0			0.23	14.9					
23						2/0			0.22	16.2					
24						2/0			0.23	15.1					
25						2/0			0.23	15.3					
26						2/0			0.23	14.0					
27						2/0			0.23	14.8					
28						2/0			0.23	14.3					
29						2/0			0.23	14.1					
30						2/0			0.23	14.2					
31						2/0			0.23	15.1					
AVG									0.23	15.2					
MAX									0.24	16.2					
MIN									0.22	14.0					



Distribution System Monitoring

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DATE	Total Chlorine Residual at Bacteriological Monitoring Stations mg/l																									Chlorine only sites mg/l					Number of Samples		
	1	2	3	4	CS	6	7	8	9	10	WR	12	13	14	15	16	17	18	19	20	26	27	28	29	30	21	22	23	24	25			
1							1.41	1.76	1.14	1.67	1.21	0.98																1.36					7
2														1.62	1.42	1.55	1.76	1.32	1.48						1.67				1.89				8
3	1.17		1.50	1.47	1.94															1.09			1.75									6	
4													1.09			1.57	1.74		1.39							1.72					1.28	6	
5																																0	
6																																0	
7	1.07	1.84		1.42	1.65	1.78																		0.99			1.24			1.35		8	
8							1.37	1.71	1.32	1.62	1.23	0.93											1.45					1.27				8	
9														1.63		1.55	1.73		1.29													4	
10	1.20		1.47	1.50	1.75																		1.10		1.73							6	
11													0.95			1.51	1.57		1.18							1.56				1.18		6	
12																																0	
13																																0	
14	1.31	1.71		1.51	1.88	1.46																			1.61					1.37		7	
15							1.55	1.78	1.15	1.65	1.55	0.80										1.46						1.33				8	
16														1.72	1.47	1.65	1.80	1.31	1.43						1.78				2.03			8	
17	1.27		1.50	1.54	1.98																		1.11		1.81						1.35		7
18													1.16			1.75	1.74		1.37							1.76				1.63		6	
19																																0	
20																																0	
21	1.27	1.41		1.41	2.07	1.55																			0.96					1.30			7
22							1.46	1.77	1.77	1.71	1.27	0.98											1.47					1.22				8	
23														1.65	1.49	1.64	1.72	1.39	1.51							1.69				1.79			8
24	1.28		1.53	1.57	1.76																		0.82		1.73		1.42					7	
25													1.06			1.61	1.89		1.27								1.42					5	
26																																0	
27																																0	
28	1.50			1.49	2.02	1.46																				1.72				1.41		6	
29							1.32	1.74	1.19	1.80	1.47	0.92												1.48				1.37				8	
30														1.78	1.32	1.69	1.73	1.53	1.33										1.96			8	
31	1.57		1.58	1.51	2.06																		1.08			1.79					1.26		7
Monthly Cl₂ Avg.			1.50																														
Total Samples			139																														

