





**Fluoridation & Chlorination**

**WSSN 2310**

**Apr-19**

D A T E	Fluoride Applied F mg/l	Fluoride Analyses mg/l			Chlorine App. Mg/l			Chlorine Residual mg/l								
		Raw	Tap	Dist	Chlorine App. Mg/l	Chlorine (prior to filtration) mg/L OCl <sup>-</sup>	Post Chlorine mg/L		Sta II	Dort	3MG Well	Tap				
									Free	Free	Free	Free				
		14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1		0.61	0.63		1.07				1.0						1.8	
2		0.60	0.66		1.04				1.1						1.7	
3		0.60	0.65		1.02				1.1						1.7	
4		0.53	0.61		0.99				1.0						1.7	
5		0.46	0.46		1.06				1.1						1.7	
6		0.51	0.50		1.06				1.1						1.7	
7		0.70	0.68		0.99				1.1						1.7	
8		0.63	0.70		0.94				1.0						1.6	
9		0.60	0.63		1.00				1.1						1.6	
10		0.62	0.67		1.01				1.1						1.7	
11		0.58	0.59		1.03				1.1						1.7	
12		0.52	0.52		1.05				1.1						1.7	
13		0.59	0.61		1.06				1.1						1.7	
14		0.61	0.61		1.05				1.1						1.7	
15		0.60	0.63		1.03				1.1						1.7	
16		0.59	0.63		0.93				1.2						1.7	
17		0.72	0.71		0.93				1.1						1.6	
18		0.75	0.79		1.04				1.1						1.7	
19		0.56	0.55		1.09				1.0						1.7	
20		0.66	0.64		1.10				1.1						1.7	
21		0.67	0.66		1.02				1.1						1.7	
22		0.65	0.64		1.08				1.0						1.7	
23		0.60	0.64		1.13				1.1						1.6	
24		0.67	0.66		1.10				1.1						1.7	
25		0.61	0.61		1.03				1.1						1.7	
26		0.61	0.61		1.05				1.1						1.7	
27		0.64	0.67		1.13				1.1						1.7	
28		0.71	0.69		1.04				1.1						1.8	
29		0.65	0.68		1.04				1.2						1.7	
30		0.68	0.68		0.96				1.1						1.7	
AVG			0.63		1.04				1.1						1.7	
MAX			0.79		1.13				1.2						1.8	
MIN			0.46		0.93				1.0						1.6	



**Chemical Analyses                      WSSN 2310                      Apr-19**

D A T E	pH		Total Hardness as CaCO <sub>3</sub> mg/l		Total Alkalinity as CaCO <sub>3</sub> mg/l		NonCarbonate Hardness as CaCO <sub>3</sub> mg/l		Iron mg/L		Calcium Ca <sup>2+</sup> mg/l		Magnesium as Mg <sup>2+</sup> mg/l		Chloride as Cl <sup>-</sup> 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	7.29	7.44		108		88		38	0	0.01		28.1		9.2		16
2	7.18	7.39	106	108	####	90	36.0	38	0.0	0.01	28.1	28.1	8.7	9.2	14.0	14
3	7.32	7.43		108		86		38	0.03	0.02		28.1		9.2		14
4	7.24	7.47		104		88		36	0.01	0.01		28.9		8.7		13
5	7.15	7.38		110		86		38	0.01	0.01		28.9		9.2		14
6	7.16	7.47		106		90		36	0.01	0.03		28.1		8.7		15
7	7.27	7.50		108		88		36	0.03	0.02		28.9		8.7		14
8	7.21	7.46		106		86		36	0.01	0.02		28.1		8.7		13
9	7.23	7.47	106	108	84	84	36	38	0.04	0.05	28.1	28.1	8.7	9.2	13	14
10	7.21	7.47		108		88		38	0.01	0.01		28.1		9.2		13
11	7.23	7.46		108		86		36	0.02	0.01		28.9		8.7		14
12	7.18	7.46		108		86		38	0	0.01		28.1		9.2		13
13	7.40	7.53		104		88		34	0.02	0.02		28.1		8.3		14
14	7.26	7.56		108		90		36	0.01	0.00		28.9		8.7		13
15	7.26	7.48		108		88		38	0.02	0.00		28.1		9.2		13
16	7.30	7.53	104	104	84	86	32	36	0.02	0.01	28.9	27.3	7.8	8.7	12	13
17	7.32	7.55		106		88		36	0.01	0.01		28.1		8.7		13
18	7.37	7.52		104		88		34	0.01	0.01		28.1		8.3		13
19	7.32	7.53		106		86		36	0.02	0.01		28.1		8.7		13
20	7.21	7.57		106		86		38	0	0.01		27.3		9.2		13
21	7.31	7.62		104		84		36	0.01	0.01		27.3		8.7		13
22	7.31	7.55		106		84		38	0.01	0.01		27.3		9.2		14
23	7.25	7.51	104	102	80	88	36	34	0.01	0.02	27.3	27.3	8.7	8.3	13	14
24	7.29	7.55		102		82		36	0.01	0.01		26.5		8.7		13
25	7.23	7.43		104		86		36	0.01	0.02		27.3		8.7		13
26	7.16	7.49		108		84		40	0.03	0.02		27.3		9.7		12
27	7.19	7.68		106		84		36	0.02	0.01		28.1		8.7		14
28	7.17	7.58		106		82		36	0	0.02		28.1		8.7		13
29	7.30	7.56		106		82		36	0.01	0.01		28.1		8.7		13
30	7.20	7.47	104	104	80	82	36	38	0.04	0.01	27.3	26.5	8.7	9.2	13	13
AVG	7.25	7.50		106		86		37		0.01		27.9		8.9		13
MAX	7.40	7.68		110		90		40		0.05		28.9		9.7		16.0
MIN	7.15	7.38		102		82		34		0.00		26.5		8.3		12.0



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DATE	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			0.26	6.8					
2						2/0			0.26	7.3					
3						2/0			0.26	7.0					
4						2/0			0.26	7.5					
5						2/0			0.26	8.3					
6						2/0			0.25	7.9					
7						2/0			0.25	7.3					
8						2/0			0.25	7.1					
9						2/0			0.25	7.2					
10						2/0			0.24	6.9					
11						2/0			0.26	6.4					
12						2/0			0.25	6.6					
13						2/0			0.25	6.8					
14						2/0			0.25	7.0					
15						2/0			0.25	6.7					
16						2/0			0.25	7.0					
17						2/0			0.25	7.2					
18						2/0			0.24	7.9					
19						2/0			0.24	7.0					
20						2/0			0.24	7.2					
21						2/0			0.24	7.5					
22						2/0			0.24	7.6					
23						2/0			0.23	7.1					
24						2/0			0.23	7.5					
25						2/0			0.23	7.2					
26						2/0			0.23	7.3					
27						2/0			0.23	7.4					
28						2/0			0.23	7.4					
29						2/0			0.23	7.2					
30						2/0			0.23	7.6					
AVG									0.24	7.2					
MAX									0.26	8.3					
MIN									0.23	6.4					



Distribution System Monitoring WSSN 2310

Apr-19

DATE	Free 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	1.43	1.59	1.56	1.54	1.58	1.34																	1.71			1.44					8
2							1.60	1.70	1.28	1.70	1.55	1.65	1.40								1.49						1.45				9
3														1.60	1.51	1.77	1.57	1.35	1.01					1.79							8
4	1.28	1.67	1.61	1.60	1.66																	1.72									6
5															1.65	1.60	1.50	0.95							1.69						5
6																															0
7																															0
8	1.46	1.60	1.56	1.54	1.75	1.38																		1.39							7
9							1.45	1.68	1.34	1.69	1.52		1.28								1.52						1.43	1.15			9
10														1.67	1.51	1.64	1.71	1.48	0.92					1.82				1.82			8
11	1.50	1.78	1.60	1.59	1.79																1.29		1.75						1.52		8
12															1.52	1.70	1.43	0.95							1.75				1.46		6
13																															0
14																															0
15	1.42	1.59	1.56	1.53	1.79	1.60																		1.57			1.47				8
16							1.62	1.83	1.25	1.76	1.49		1.23								1.49							1.41			8
17														1.67	1.40	1.58	1.61	1.15	1.12					1.66				1.68			8
18	1.38	1.59	1.46	1.36	1.77																1.15		1.64						1.50		8
19															1.65	1.62	1.39								1.58				1.58		5
20																															0
21																															0
22	1.39	1.66	1.46	1.48	1.78	1.45																		1.20			1.39				8
23							1.67	1.79	1.19	1.71	1.43		1.19									1.43						1.18			8
24														1.65	1.52	1.72	1.71	1.18	0.98					1.76				1.76			8
25	1.50			1.57	1.74																1.17					1.68			1.53	1.51	7
26																															0
27																															0
28																															0
29	1.46			1.70	1.70																										3
30						1.59	1.48	1.83	1.22	1.80	1.51		1.29									1.54		1.65			1.48	1.19			11
<b>Monthly Cl<sub>2</sub> Avg.</b>				<b>1.53</b>																											
<b>Total Samples</b>				<b>136</b>																											



