





**Fluoridation & Chlorination**

**WSSN 2310**

**Mar-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		0.59	0.66		1.02				1.1						1.7	
2		0.58	0.67		0.97				1.2						1.5	
3		0.68	0.70		1.12				1.1						1.7	
4		0.65	0.67		0.96				1.1						1.7	
5		0.61	0.66		0.94				1.1						1.7	
6		0.84	0.88		1.03				1.2						1.8	
7		0.61	0.69		1.08				1.0						1.7	
8		0.65	0.69		1.11				1.1						1.8	
9		0.60	0.61		1.01				0.9						1.7	
10		0.60	0.60		0.91				1.1						1.7	
11		0.68	0.73		1.04				1.1						1.7	
12		0.67	0.68		1.03				1.1						1.7	
13		0.68	0.71		0.95				1.1						1.6	
14		0.73	0.71		0.96				1.1						1.6	
15		0.66	0.68		0.95				1.2						1.7	
16		0.69	0.67		0.97				1.1						1.8	
17		0.65	0.70		0.98				1.1						1.8	
18		0.67	0.71		1.00				1.1						1.7	
19		0.73	0.74		1.00				1.1						1.8	
20		0.62	0.63		1.04				1.1						1.7	
21		0.61	0.61		1.00				1.1						1.7	
22		0.63	0.68		1.00				1.0						1.7	
23		0.62	0.65		1.07				0.9						1.6	
24		0.68	0.66		1.10				1.1						1.8	
25		0.65	0.68		1.08				1.1						1.7	
26		0.65	0.68		1.03				1.0						1.8	
27		0.64	0.68		0.95				1.1						1.8	
28																
29																
30																
31																
AVG			0.68		1.01				1.1						1.7	
MAX			0.88		1.12				1.2						1.8	
MIN			0.60		0.91				0.9						1.5	



**Chemical Analyses                      WSSN 2310                      Mar-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	7.21	7.50		106		86		36	0.02	0.02		28.1		8.7		13
2	7.32	7.48		100		80		26	0.0	0.01		29.7		6.3		14
3	7.23	7.54		106		86		34	0.01	0.00		28.9		8.3		14
4	7.21	7.49		106		86		34	0.03	0.03		28.9		8.3		14
5	7.18	7.48	102	104	82	86	32	32	0.01	0.03	28.1	28.9	7.8	7.8	13	13
6	7.21	7.44		106		86		36	0.02	0.03		28.1		8.7		14
7	7.21	7.50		106		86		36	0	0.00		28.1		8.7		14
8	7.21	7.44		108		88		38	0	0.01		28.1		9.2		14
9	7.36	7.49		104		86		32	0.02	0.01		28.9		7.8		15
10	7.20	7.46		106		86		32	0	0.01		29.7		7.8		15
11	7.18	7.41		108		86		36	0.04	0.02		28.9		8.7		14
12	7.21	7.40	106	106	84	86	36	36	0.01	0.02	28.1	28.1	8.7	8.7	14	14
13	7.30	7.52		108		84		38	0.01	0.06		28.1		9.2		14
14	7.28	7.43		108		86		38	0.04	0.02		28.1		9.2		14
15	7.30	7.45		108		86		36	0.03	0.01		28.9		8.7		14
16	7.24	7.44		108		88		38	0.02	0.01		28.1		9.2		14
17	7.25	7.42		108		88		38	0.04	0.01		28.1		9.2		13
18	7.29	7.48		108		88		38	0	0.01		28.1		9.2		14
19	7.29	7.42	108	108	84	88	38	38	0.01	0.03	28.1	28.1	9.2	9.2	14	14
20	7.39	7.48		108		88		38	0	0.00		28.1		9.2		15
21	7.28	7.45		108		88		38	0.02	0.02		28.1		9.2		15
22	7.23	7.47		108		88		38	0.04	0.02		28.1		9.2		14
23	7.38	7.51		106		88		38	0.02	0.02		27.3		9.2		14
24	7.28	7.45		108		88		38	0.03	0.02		28.1		9.2		13
25	7.31	7.49		104		90		32	0	0.00		28.9		7.8		14
26	7.30	7.50	106	104	88	88	36	32	0.03	0.01	28.1	28.9	8.7	7.8	13	14
27	7.35	7.54		108		88		38	0.01	0.01		28.1		9.2		15
28																
29																
30																
31																
AVG	7.27	7.47		107		87		36		0.02		28.4		8.7		14
MAX	7.39	7.54		108		90		38		0.06		29.7		9.2		15.0
MIN	7.18	7.40		100		80		26		0.00		27.3		6.3		13.0



WSSN 2310

Mar-19

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			0.24	6.4					
2						2/0			0.24	5.9					
3						2/0			0.25	6.6					
4						2/0			0.25	6.5					
5						2/0			0.25	5.9					
6						2/0			0.25	6.8					
7						2/0			0.25	6.1					
8						2/0			0.24	6.5					
9						2/0			0.25	6.8					
10						2/0			0.24	7.2					
11						2/0			0.24	6.3					
12						2/0			0.25	6.3					
13						2/0			0.25	6.5					
14						2/0			0.24	7.1					
15						2/0			0.24	7.0					
16						2/0			0.25	5.8					
17						2/0			0.25	6.2					
18						2/0			0.24	6.2					
19						2/0			0.24	6.6					
20						2/0			0.24	7.3					
21						2/0			0.25	7.5					
22						2/0			0.24	7.4					
23						2/0			0.24	6.2					
24						2/0			0.25	6.6					
25						2/0			0.25	7.1					
26						2/0			0.25	6.0					
27						2/0			0.25	7.1					
28															
29															
30															
31															
AVG									0.25	6.6					
MAX									0.25	7.5					
MIN									0.24	5.8					



Distribution System Monitoring WSSN 2310

Mar-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																1.56	1.72	1.41	1.13						1.81					1.67	6
2																															0
3																															0
4	1.56	1.84	1.64	1.66	1.86	1.59																		1.77		1.48				8	
5							1.65	1.70	1.75	1.73	1.75	1.57	1.35								1.59						1.58			9	
6													1.77	1.53	1.77	1.76	1.48	1.09						1.81				1.72		8	
7	1.59	1.74	1.65	1.64	1.88															1.54		1.85						1.68		8	
8															1.72	1.69	1.44								1.74				1.52	5	
9																														0	
10																														0	
11	1.66	1.72	1.62	1.51	1.80	1.36																	1.48		1.20					8	
12							1.62	1.79	1.80	1.75	1.80		1.52								1.61					1.20	1.59			8	
13														1.39	1.45	1.63	1.64	1.45	1.30					1.73			1.77			8	
14	1.53	1.63	1.47	1.37	1.63															1.51		1.66						1.57		8	
15															1.24	1.62	1.23	1.19							1.73					5	
16																														0	
17																														0	
18	1.51	1.64	1.43	1.17	1.67	1.13																	1.66		1.31					8	
19																														0	
20								1.73	1.57	1.70	1.67		1.58	1.24		1.68	1.64		1.29					1.72						10	
21											1.75				1.40			1.08			1.39	1.50	1.74				1.44	1.67	1.60	9	
22	1.61			1.35	1.70											1.73	1.70								1.71				1.64	7	
23																														0	
24																														0	
25	1.18	1.60	1.53	1.06	1.76	1.17																	1.62		1.35					8	
26							1.53	1.76	1.76	1.70	1.67	1.31	1.37								1.54					1.44				9	
27																														0	
28																														0	
29																														0	
30																														0	
31																														0	
<b>Monthly Cl<sub>2</sub> Avg.</b>				<b>1.57</b>																											
<b>Total Samples</b>				<b>115</b>																											



Distribution System Monitoring

WSSN 2310

Mar-19

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																1.92	1.96	1.69	1.31						2.03						1.86	6				
2																																0				
3																																0				
4	1.77	2.04	1.89	1.89	2.10	1.85																		2.01			1.74					8				
5							1.88	1.89	2.01	1.95	1.96	1.83	1.55									1.84									1.79	9				
6														2.00	1.76	2.03	1.99	1.70	1.30						2.04					1.94		8				
7	1.78	2.09	1.90	1.88	2.12											2.03	1.99	1.70	1.30			1.66		2.02						1.92		8				
8																1.97	1.93	1.67												1.96		1.75	5			
9																																	0			
10																																	0			
11	1.89	1.96	1.83	1.73	2.06	1.58																				1.68			1.57				8			
12							1.85	2.05	2.02	1.97	2.00		1.73									1.81						1.81					8			
13														1.66	1.70	1.89	1.86	1.66	1.50							1.98						1.99		8		
14	1.69	1.87	1.66	1.56	1.91																	1.70		1.93							1.80		8			
15																1.39	1.88	1.44	1.42												1.95			5		
16																																		0		
17																																		0		
18	1.69	1.86	1.66	1.34	1.92	1.34																					1.87			1.55				8		
19																																		0		
20								1.96	1.77	1.90	1.93		1.72	1.45		1.89	1.87		1.48							1.94							10			
21												1.96			1.70				1.30		1.60	1.76	1.91					1.62	1.83	1.79			9			
22	1.82			1.59	1.91											1.92	1.89														1.92			1.84	7	
23																																		0		
24																																		0		
25	1.70	1.77	1.71	1.28	1.96	1.70																					1.87			1.54				8		
26							1.75	1.97	1.96	1.94	1.90	1.55	1.52									1.77									1.64			9		
27																																		0		
28																																		0		
29																																		0		
30																																		0		
31																																		0		
<b>Monthly Cl<sub>2</sub> Avg.</b>					<b>1.80</b>																															
<b>Total Samples</b>					<b>115</b>																															

