





**Fluoridation & Chlorination**

**WSSN 2310**

**Jul-18**

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 <sup>-</sup>	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		0.78	0.78		1.12				0.9						1.7
2		0.74	0.77		1.23				0.9						1.8
3		0.78	0.78		1.09				1.0						1.7
4		0.79	0.76		1.20				0.9						1.7
5		0.70	0.71		1.28				0.9						1.7
6		0.75	0.79		1.16				1.0						1.7
7		0.73	0.71		1.14				1.0						1.7
8		0.66	0.70		1.16				1.1						1.7
9		0.76	0.76		1.25				1.0						1.6
10		0.74	0.72		1.15				1.0						1.5
11		0.71	0.78		1.21				0.9						1.6
12		0.69	0.72		1.26				0.9						1.7
13		0.77	0.82		1.22				0.9						1.7
14		0.69	0.68		1.29				0.9						1.9
15		0.73	0.74		1.35				0.9						1.7
16		0.78	0.79		1.29				0.9						1.7
17		0.76	0.79		1.19				1.0						1.6
18		0.72	0.73		1.29				0.9						1.6
19		0.73	0.74		1.26				0.9						1.7
20		0.74	0.75		1.32				1.0						1.6
21		0.74	0.71		1.14				1.0						1.7
22		0.74	0.75		1.19				1.0						1.6
23		0.76	0.76		1.26				0.9						1.7
24		0.77	0.77		1.33				0.9						1.7
25		0.73	0.74		1.27				0.9						1.5
26		0.77	0.76		1.21				1.0						1.6
27		0.72	0.71		1.11				1.0						1.7
28		0.78	0.74		1.11				1.0						1.7
29		0.69	0.68		1.15				1.0						1.6
30		0.72	0.72		1.18				1.0						1.7
31		0.76	0.76		1.19				1.0						1.6
AVG		0.74	0.75		1.21				1.0						1.7
MAX		0.79	0.82		1.35				1.1						1.9
MIN		0.66	0.68		1.09				0.9						1.5



**Chemical Analyses**

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**Jul-18**

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	7.46	7.70		104		84		34	0.01	0.05		28.1		8.3		16
2	7.43	7.65	106	106	####	84	36	36	0.01	0.00	28.1	28.1	8.7	8.7	14.0	15
3	7.45	7.67		102		86		32	0	0.00		28.1		7.8		16
4	7.40	7.66		106		86		36	0.01	0.00		28.1		8.7		16
5	7.46	7.71		102		84		32	0	0.01		28.1		7.8		15
6	7.41	7.70		104		84		36	0.01	0.01		27.3		8.7		14
7	7.44	7.58		96		78		28	0.01	0.01		27.3		6.8		13
8	7.47	7.68		108		86		38	0.02	0.01		28.1		9.2		14
9	7.42	7.68		106		86		36	0.01	0.01		28.1		8.7		14
10	7.40	7.70	104	106	86	84	36	36	0	0.01	27.3	28.1	8.7	8.7	14	15
11	7.40	7.65		106		86		36	0.02	0.01		28.1		8.7		14
12	7.36	7.65		102		88		34	0.01	0.00		27.3		8.3		15
13	7.31	7.63		104		86		34	0	0.01		28.1		8.3		14
14	7.54	7.63		98		78		32	0.01	0.01		26.5		7.8		15
15	7.38	7.65		104		88		34	0.01	0.01		28.1		8.3		15
16	7.36	7.64		102		86		34	0	0.01		27.3		8.3		15
17	7.40	7.70	100	104	84	88	32	34	0.02	0.01	27.3	28.1	7.8	8.3	15	14
18	7.44	7.73		106		88		38	0.02	0.01		27.3		9.2		16
19	7.42	7.73		106		84		38	0.02	0.01		27.3		9.2		16
20	7.47	7.75		104		86		34	0.01	0.02		28.1		8.3		14
21	7.46	7.74		98		78		30	0	0.01		27.3		7.3		14
22	7.42	7.61		104		88		34	0	0.00		28.1		8.3		14
23	7.47	7.64		104		86		36	0.01	0.01		27.3		8.7		14
24	7.53	7.69	106	104	86	88	38	36	0.01	0.00	27.3	27.3	9.2	8.7	15	16
25	7.53	7.66		102		86		32	0.01	0.01		28.1		7.8		15
26	7.55	7.73		104		86		36	0.01	0.01		27.3		8.7		15
27	7.50	7.69		96		82		32	0.00	0.02		25.7		7.8		15
28	7.62	7.72		104		86		34	0.02	0.01		28.1		8.3		15
29	7.49	7.69		106		88		40	0.01	0.01		26.5		9.7		16
30	7.57	7.63		102		78		26	0.02	0.01		30.5		6.3		14
31	7.56	7.66	106	106	82	84	38	38	0.00	0.01	27.3	27.3	9.2	9.2	16	15
AVG	7.46	7.68		103		85		34		0.01		27.7		8.4		15
MAX	7.62	7.75		108		88		40		0.05		30.5		9.7		16.0
MIN	7.31	7.58		96		78		26		0.00		25.7		6.3		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	16.5					
2						2/0			0.23	16.3					
3						2/0			0.23	16.3					
4						2/0			0.23	16.4					
5						2/0			0.23	18.9					
6						2/0			0.23	16.0					
7						2/0			0.22	15.9					
8						2/0			0.23	15.1					
9						2/0			0.23	15.1					
10						2/0			0.23	15.1					
11						2/0			0.23	15.6					
12						2/0			0.23	16.8					
13						2/0			0.23	17.4					
14						2/0			0.22	19.7					
15						2/0			0.23	17.9					
16						2/0			0.22	18.5					
17						2/0			0.23	18.6					
18						2/0			0.22	18.2					
19						2/0			0.23	17.7					
20						2/0			0.23	17.0					
21						2/0			0.22	19.0					
22						2/0			0.23	16.9					
23						2/0			0.23	17.8					
24						2/0			0.23	18.5					
25						2/0			0.23	18.0					
26						2/0			0.23	17.0					
27						2/0			0.22	18.4					
28						2/0			0.23	16.6					
29						2/0			0.23	16.7					
30						2/0			0.24	17.0					
31						2/0			0.23	16.3					
AVG									0.23	17.1					
MAX									0.24	19.7					
MIN									0.22	15.1					



Distribution System Monitoring WSSN 2310

Jul-18

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																																		0	
2	1.20			1.33	1.31			1.60	0.97			0.98		1.58		1.25	1.61		0.64														10		
3			1.44			1.36	1.36			1.54			0.94		1.20						1.37		1.68			1.15	1.22					10			
4																																	0		
5	1.16	1.17	1.34		1.74			1.63	0.84						1.47	1.57			0.56	1.01		1.65										11			
6											1.26							0.80						1.61	1.72							6			
7																																	0		
8																																	0		
9	1.17	1.12	1.34	1.34	1.75	1.21																				1.16							7		
10							1.29	1.67	1.03	1.61		1.10	0.93									1.37						1.24					8		
11														1.55	1.17	1.47	1.53	1.08	0.62					1.49				1.34					8		
12	1.10	1.10	1.24	1.31	1.68															0.92		1.56							1.20				8		
13											1.22				1.44	1.47	0.73	0.46							1.58						0.79		7		
14																																		0	
15																																		0	
16	1.02	1.19	1.36	1.35	1.53	1.34																				1.37		1.16						8	
17							1.28	1.62	1.48	1.50		1.20	0.85								1.26													8	
18														1.57	0.95	1.38	1.38	0.79	0.51					1.54					1.23					8	
19	1.13	1.24	1.30	1.33	1.28															0.83		1.70												8	
20											1.26					1.47	1.54	1.34	0.38						1.58									6	
21																																			0
22																																			0
23	1.19		1.15	1.11	1.63	0.43																				1.34		0.73						7	
24							1.31	1.57	1.37	1.50		1.63	1.23								1.32							1.07						8	
25											1.39			1.24	1.17	1.45	1.69	1.16	0.42					1.65					1.14					9	
26	1.14		1.28	1.27	1.76																1.11					1.24							0.86	7	
27																																			0
28																																			0
29																																			0
30	1.32			1.07	1.36																									1.23					4
31							1.64	1.04				1.35									1.32														5
<b>Monthly Cl<sub>2</sub> Avg.</b>				<b>1.28</b>																															
<b>Total Samples</b>				<b>135</b>																															



Distribution System Monitoring

WSSN 2310

Jul-18

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																															0
2	1.40			1.57	1.45			1.84	1.16			1.21		1.79		1.69	1.85		0.82											10	
3			1.63			1.51	1.63			1.79			1.17		1.41						1.56		1.85			1.41	1.47			10	
4																														0	
5	1.36	1.38	1.56		1.93			1.76	1.05						1.69	1.84			0.63	1.22		1.87							11		
6											1.48							0.92						1.71	1.91			1.52	1.56	6	
7																														0	
8																														0	
9	1.38	1.39	1.55	1.53	2.00	1.41																				1.43				7	
10							1.51	1.87	1.21	1.83		1.38	1.15								1.56						1.41		8		
11														1.73	1.36	1.71	1.73	1.25	0.78				1.74				1.54		8		
12	1.30	1.22	1.49	1.54	1.90															1.11		1.79						1.47	8		
13											1.44					1.67	1.73	0.91	0.60							1.84			1.04	7	
14																														0	
15																														0	
16	1.22	1.41	1.54	1.55	1.77	1.55																	1.76			1.38				8	
17							1.47	1.72	1.77	1.72		1.38	1.06								1.45						1.37		8		
18														1.76	1.15	1.65	1.64	0.96	0.66					1.78			1.46		8		
19	1.35	1.41	1.48	1.52	1.51															1.03		1.90						1.45	8		
20											1.48					1.64	1.74	1.54	0.54						1.83				6		
21																														0	
22																														0	
23	1.31		1.35	1.30	1.80	0.61																	1.56			0.96				7	
24							1.52	1.79	1.60	1.74		1.77	1.44								1.54					1.22			8		
25											1.61			1.48	1.37	1.62	1.91	1.30	0.58				1.92				1.28		9		
26	1.32		1.54	1.42	1.96																1.27				1.48				7		
27																														0	
28																														0	
29																														0	
30	1.52			1.27	1.55																			1.48						4	
31							1.86	1.26				1.55										1.51					1.35			5	
<b>Monthly Cl<sub>2</sub> Avg.</b>				<b>1.48</b>																											
<b>Total Samples</b>				<b>135</b>																											

