





**Fluoridation & Chlorination**

**WSSN 2310**

**May-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		0.67	0.70		0.96				1.1						1.7	
2		0.68	0.72		1.01				1.1						1.7	
3		0.60	0.60		0.98				1.1						1.7	
4		0.62	0.66		1.06				1.1						1.8	
5		0.68	0.66		0.94				1.1						1.8	
6		0.65	0.64		0.92				1.1						1.7	
7		0.79	0.87		0.95				1.0						1.7	
8		0.62	0.66		0.96				1.1						1.7	
9		0.65	0.67		0.95				1.1						1.6	
10		0.59	0.60		0.92				1.1						1.7	
11		0.68	0.71		1.01				1.2						1.7	
12		0.69	0.64		1.04				1.1						1.7	
13		0.69	0.65		0.99				1.0						1.7	
14		0.71	0.77		1.10				1.0						1.7	
15		0.62	0.64		1.02				1.1						1.7	
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27																
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29																
30																
31																
AVG			0.68		0.99				1.1						1.7	
MAX			0.87		1.10				1.2						1.8	
MIN			0.60		0.92				1.0						1.6	



**Chemical Analyses                      WSSN 2310                      May-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	7.35	7.63		106		82		36	0.01	0.01		28.1		8.7		15
2	7.29	7.52		106		84		40	0.0	0.02		26.5		9.7		13
3	7.28	7.48		104		82		36	0.05	0.03		27.3		8.7		13
4	7.37	7.46		103		76		35	0.01	0.01		27.3		8.5		15
5	7.28	7.59		94		80		28	0.02	0.01		26.5		6.8		13
6	7.37	7.64		100		80		38	0.01	0.01		24.8		9.2		13
7	7.26	7.60	104	98	80	80	42	36	0	0.03		24.8	10.2	8.7	13	15
8	7.25	7.55		100		80		34	0.02	0.02		26.5		8.3		15
9	7.33	7.59		102		80		32	0.02	0.01		28.1		7.8		14
10	7.29	7.59		102		80		32	0.01	0.02		28.1		7.8		13
11	7.38	7.69		104		84		36	0.02	0.04		27.3		8.7		13
12	7.29	7.66		102		84		32	0.05	0.02		28.1		7.8		13
13	7.27	7.55		90		80		22	0.01	0.01		27.3		8.3		14
14	7.45	7.53	96	100	74	80	32	32	0.02	0.04	25.7	27.3	7.8	7.8	13	16
15	7.43	7.72		102		80		38	0.04	0.01		25.7		9.2		13
16																
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29																
30																
31																
AVG	7.33	7.59		101		81		34		0.02		26.9		8.4		14
MAX	7.45	7.72		106		84		40		0.04		28.1		9.7		16.0
MIN	7.25	7.46		90		76		22		0.01		24.8		6.8		13.0



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May-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			0.23	7.8					
2						2/0			0.23	8.2					
3						2/0			0.23	8.4					
4						2/0			0.21	8.0					
5						2/0			0.23	8.4					
6						2/0			0.23	8.4					
7						2/0			0.22	8.6					
8						2/0			0.22	8.7					
9						2/0			0.22	8.7					
10						2/0			0.23	9.3					
11						2/0			0.23	9.0					
12						2/0			0.23	8.9					
13						2/0			0.23	9.0					
14						2/0			0.22	8.5					
15						2/0			0.23	8.9					
16															
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18															
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20															
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23															
24															
25															
26															
27															
28															
29															
30															
31															
AVG									0.22	8.6					
MAX									0.23	9.3					
MIN									0.21	7.8					



Distribution System Monitoring WSSN 2310

May-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														1.71	1.37	1.64	1.71	1.46	1.01					1.74								8	
2	1.41	1.56	1.55	1.61	1.83															1.27		1.79							1.44			8	
3															1.64	1.73	1.44	0.86							1.73					1.50		6	
4																																	0
5																																	0
6	1.49		1.51	1.40	1.57	1.45																		1.35		1.51						7	
7							1.47		1.15	1.65	1.40		1.26								1.58						1.35					7	
8								1.69						1.52	1.40	1.62	1.38	1.24	0.60						1.63				1.73			9	
9	1.22	1.63	1.58	1.53	1.63															1.22		1.68							1.43			8	
10															1.69	1.76	1.52	0.89							1.81					1.38		6	
11																																	0
12																																	0
13	1.42	1.61	1.52	1.58	1.75	1.44																		1.49		1.34						8	
14							1.44	1.61	1.21	1.68	1.36		1.21								1.52									1.26			8
15														1.22	1.33	1.59	1.40	1.34	0.75						1.71					1.59			8
16																																	0
17																																	0
18																																	0
19																																	0
20																																	0
21																																	0
22																																	0
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24																																	0
25																																	0
26																																	0
27																																	0
28																																	0
29																																	0
30																																	0
31																																	0
<b>Monthly Cl<sub>2</sub> Avg.</b>		<b>1.47</b>																															
<b>Total Samples</b>		<b>72</b>																															



Distribution System Monitoring

WSSN 2310

May-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	1.58	1.83	1.92	1.64	1.15					1.95								8		
2	1.62	1.84	1.71	1.81	2.04																				1.48			1.89				1.66		8	
3																1.80	1.91	1.61	1.13											1.96			1.66	6	
4																																		0	
5																																		0	
6	1.62		1.73	1.82	1.97	1.68																					1.57		1.71					7	
7							1.60		1.37	1.97	1.74		1.50													1.80			1.56					7	
8								1.91						1.86	1.64	1.87	1.92	1.59	1.02									1.95			2.04			9	
9	1.22	1.63	1.58	1.53	1.63																				1.22		1.68					1.43		8	
10															1.69	1.76	1.52	0.89											1.81			1.38	6		
11																																		0	
12																																		0	
13	1.58	1.79	1.75	1.74	1.89	1.67																						1.75		1.61				8	
14							1.60	1.89	1.50	1.88	1.61		1.38													1.69			1.44					8	
15														1.74	1.67	1.83	1.85	1.54	0.99									1.91			1.80			8	
16																																			0
17																																			0
18																																			0
19																																			0
20																																			0
21																																			0
22												0.00																							1
23																																			0
24																																			0
25																																			0
26																																			0
27																																			0
28																																			0
29																																			0
30																																			0
31																																			0
<b>Monthly Cl<sub>2</sub> Avg.</b>				<b>1.65</b>																															
<b>Total Samples</b>				<b>73</b>																															

