





**Fluoridation & Chlorination WSSN 2310 Dec-20**

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		0.63	0.67		0.96				0.9						1.6	
2		0.76	0.72		0.94				1.0						1.6	
3		0.72	0.72		0.92				1.0						1.6	
4		0.70	0.71		0.96				1.0						1.7	
5		0.78	0.85		0.91				1.1						1.7	
6		0.70	0.70		0.94				1.0						1.7	
7		0.74	0.76		0.90				1.1						1.7	
8		0.81	0.88		0.90				1.1						1.7	
9		0.85	0.70		0.89				1.1						1.6	
10		0.66	0.68		0.86				1.0						1.7	
11		0.77	0.79		0.90				1.1						1.7	
12		0.81	0.81		0.91				1.0						1.6	
13		0.64	0.70		1.01				1.1						1.7	
14		0.66	0.65		0.96				1.1						1.6	
15		0.75	0.77		0.94				0.9						1.6	
16		0.59	0.59		0.99				0.9						1.6	
17		0.81	0.74		0.97				1.0						1.7	
18		0.67	0.72		0.94				1.1						1.6	
19		0.61	0.74		1.02				1.1						1.7	
20		0.72	0.70		0.92				1.1						1.8	
21		0.64	0.77		0.98				1.0						1.6	
22		0.65	0.64		1.00				1.0						1.6	
23		0.67	0.67		0.97				0.9						1.6	
24		0.64	0.68		1.01				1.0						1.7	
25		0.76	0.74		0.98				1.0						1.7	
26		0.62	0.57		0.94				1.1						1.6	
27		0.61	0.72		0.96				1.1						1.7	
28		0.64	0.73		0.92				1.1						1.6	
29		0.73	0.86		0.95				1.0						1.6	
30		0.68	0.63		0.98				1.0						1.6	
31		0.63	0.73						1.0						1.7	
AVG			0.72		0.95				1.0						1.6	
MAX			0.88		1.02				1.1						1.8	
MIN			0.57		0.86				0.9						1.6	



**Chemical Analyses                      WSSN 2310                      Dec-20**

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	7.31	7.41	100	98	76	80	30	28	0.01	0.01	28.1	28.1	7.3	6.8	15	15
2	7.26	7.50		100		78		26	0.0	0.02		29.7		6.3		15
3	7.29	7.58		100		80		30	0.01	0.01		28.1		7.3		15
4	7.55	7.59		102		80		34	0.03	0.01		27.3		8.3		14
5	7.26	7.49		100		80		30	0	0.01		28.1		7.3		14
6	7.31	7.58		104		80		30	0.01	0.01		29.7		7.3		15
7	7.27	7.48		102		78		32	0.01	0.01		29.7		7.8		14
8	7.41	7.55	98	100	74	74	30	30	0.01	0.01	27.3	28.1	7.3	7.3	14	14
9	7.27	7.52		100		76		32	0.02	0.00		27.3		7.8		15
10	7.25	7.48		100		80		28	0.01	0.01		28.9		6.8		14
11	7.20	7.38		102		82		34	0	0.00		27.3		8.3		15
12	7.27	7.56		100		78		28	0.01	0.01		28.1		6.8		15
13	7.30	7.50		100		78		30	0.01	0.01		28.1		7.3		15
14	7.27	7.53		96		80		24	0.01	0.01		28.9		5.8		13
15	7.25	7.54	102	100	74	84	32	30	0.02	0.01	28.1	28.1	7.8	7.3	14	15
16	7.31	7.54		100		80		28	0	0.02		28.9		6.8		15
17	7.25	7.55		102		82		30	0	0.00		28.9		7.3		14
18	7.66	7.74		100		82		30	0	0.00		28.1		7.3		15
19	7.44	7.66		102		80		32	0.01	0.02		28.6		7.8		15
20	7.43	7.66		98		80		28	0.01	0.03		28.1		6.8		15
21	7.30	7.55		102		80		32	0	0.02		29.7		7.8		16
22	7.24	7.46	102	104	78	78	32	34	0.01	0.01	28.1	28.1	7.8	8.3	14	13
23	7.24	7.48		102		78		34	0.01	0.01		27.3		8.3		15
24	7.22	7.44		100		78		28	0.02	0.02		28.9		6.8		14
25	7.44	7.51		102		80		34	0.01	0.01		27.3		8.3		14
26	7.22	7.45		102		80		30	0.01	0.02		28.9		7.3		14
27	7.30	7.63		100		80		30	0.01	0.00		28.1		7.3		15
28	7.25	7.49		102		84		32	0.02	0.01		29.7		7.8		13
29	7.22	7.41	100	102	78	80	28	30	0	0.01	28.9	28.9	6.8	7.3	13	13
30	7.28	7.48		102		78		32	0	0.01		28.1		7.8		13
31	7.18	7.41		100		78		30	0.01	0.03		28.1		7.3		14
AVG	7.30	7.52		101		80		30		0.01		28.4		7.4		14
MAX	7.66	7.74		104		84		34		0.03		29.7		8.3		16.0
MIN	7.18	7.38		96		74		24		0.00		27.3		5.8		13.0



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Dec-20

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			0.22	13.0					
2						2/0			0.22	12.7					
3						2/0			0.22	12.7					
4						2/0			0.22	12.0					
5						2/0			0.22	13.9					
6						2/0			0.22	12.7					
7						2/0			0.22	11.9					
8						2/0			0.22	11.7					
9						2/0			0.22	12.5					
10						2/0			0.22	11.8					
11						2/0			0.21	12.5					
12						2/0			0.22	12.3					
13						2/0			0.22	11.4					
14						28/0			0.22	12.0					
15						2/0			0.23	11.7					
16						2/0			0.23	11.5					
17						2/0			0.23	11.7					
18						2/0			0.23	11.0					
19						2/0			0.23	10.4					
20						2/0			0.23	9.9					
21						2/0			0.23	11.4					
22						2/0			0.23	11.3					
23						2/0			0.23	11.1					
24						2/0			0.23	11.3					
25						2/0			0.22	9.8					
26						2/0			0.23	10.1					
27						2/0			0.23	9.7					
28						2/0			0.23	11.0					
29						2/0			0.23	12.1					
30						2/0			0.23	11.2					
31						2/0			0.23	11.2					
AVG									0.22	11.6					
MAX									0.23	13.9					
MIN									0.21	9.7					



Distribution System Monitoring WSSN 2310

Dec-20

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							1.45	1.11	1.39	1.16											1.50							1.21				6				
2													1.08	1.14	1.65	1.14		1.23					1.58			1.38			1.47	1.51		9				
3	1.27			1.28	1.63						1.42									1.09		1.67			1.60						7					
4												1.56			1.37	1.54		1.32													4					
5																															0					
6																															0					
7	1.25	1.61		1.37	1.92	1.47											1.25						1.45								7					
8							1.42	1.36	1.59	1.46	1.01										1.46						1.18				7					
9													1.24	1.23	1.59	1.64		1.36						1.52				1.79	1.54	1.64	9					
10	1.33			1.22	1.62					1.20										1.17		1.59			1.62						7					
11															1.64	1.57		1.36													3					
12																															0					
13																															0					
14	1.30	1.35		1.49	1.70	1.54												1.16											1.42		8					
15							1.62	1.17	1.63	1.32	1.49										1.44						1.20				7					
16													1.13	1.25	1.60	1.59		1.11					1.56			1.27		1.31	1.45		9					
17	1.31			1.21	1.71					1.42										1.08		1.55		1.61							7					
18													1.58		1.48	1.65		1.34													4					
19																															0					
20																															0					
21	1.39	1.52		1.41	1.66	1.42											1.14												1.31		8					
22							1.59	1.19	1.50	1.44	1.02										1.44						1.29				7					
23													1.50	1.15	1.63	1.65		1.33					1.53			1.30		1.73	1.62		9					
24	1.33			1.39	1.34					1.26										1.07		1.40									6					
25																															0					
26																															0					
27																															0					
28	1.29	1.36		1.47	1.53										1.32	1.42	1.05	1.64											1.33		10					
29							1.42	1.10	1.54	1.29	1.09										1.61						1.18				7					
30														0.94	1.39	1.60		1.03					1.50			1.29		1.57	1.60		8					
31	1.20			1.37	1.45					1.29										0.72		1.55									6					
<b>Monthly Cl<sub>2</sub> Avg.</b>					<b>1.39</b>																															
<b>Total Samples</b>					<b>132</b>																															



Distribution System Monitoring

WSSN 2310

Dec-20

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							1.89	1.31	1.82	1.56											1.67						1.37					6				
2													1.43	1.39	1.89	1.81			1.57							1.45		1.96	1.78		9					
3	1.52			1.73	1.90					1.57										1.32		1.84			1.81					7						
4												1.73			1.56	1.71			1.53											4						
5																														0						
6																														0						
7	1.50	1.86		1.64	2.16	1.73											1.47						1.75							7						
8							1.85	1.57	1.88	1.61	1.21										1.69					1.47				7						
9													1.46	1.46	1.80	1.84			1.58					1.91				1.95	1.80	1.80	9					
10	1.74			1.54	1.87					1.71										1.46		1.91			1.84					7						
11															1.87	1.82			1.55											3						
12																														0						
13																														0						
14	1.51	1.52		1.68	1.87	1.74											1.39						1.56						1.62	8						
15							1.98	1.31	1.94	1.61	1.87										1.77						1.47			7						
16													1.43	1.53	1.86	1.79			1.60					1.89	1.46		1.85	1.90		9						
17	1.59			1.73	1.94					1.71										1.52		1.82			1.90					7						
18													1.88		1.74	1.78			1.55											4						
19																														0						
20																														0						
21	1.60	1.84		1.67	1.86	1.70											1.42						1.68						1.55	8						
22							1.95	1.46	1.82	1.69	1.31									1.71						1.44				7						
23													1.78	1.49	1.94	1.83			1.62					1.87	1.49		1.91	1.79		9						
24	1.54			1.81	1.70					1.58										1.37		1.85								6						
25																														0						
26																														0						
27																														0						
28	1.44	1.87		1.68	1.67										1.60	1.78	1.50	1.89					1.25						1.66	10						
29							1.92	1.31	1.87	1.54	1.30									1.86					1.55		1.55			7						
30														1.49	1.83	1.91			1.55					1.82		1.43		2.00	1.74	8						
31	1.52			1.71	1.65					1.63										1.33		1.81								6						
<b>Monthly Cl<sub>2</sub> Avg.</b>				<b>1.68</b>																																
<b>Total Samples</b>				<b>132</b>																																



**ROUTINE POSITIVE DISTRIBUTION SAMPLES**

**Dec-20**

Total number of positive routine samples:				Total Coliform: <u>0</u>			E.coli Bacteria: <u>0</u>		Chlorine Residual (mg/L)	
Date	Monitoring Station	Total Coliform	E.coli Bacteria	Date	Time	Retest of Station, Upstream & Downstream	Total Coliform	E.coli Bacteria	Free	Total
Total number of routine distribution samples analyzed:				<b>132</b>						
Total number of routine distribution samples required:				<b>100</b>						