





**Fluoridation & Chlorination**

**WSSN 2310**

**Apr-18**

D A T E	Fluoride Applied F mg/l	Fluoride Analyses mg/l			Chlorine App. Mg/l			Chlorine Residual mg/l								
		Raw	Tap	Dist	Chlori ne 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		0.70	0.70		1.00				1.0						1.8	
2		0.70	0.70		0.89				1.1						1.7	
3		0.69	0.69		0.92				1.0						1.6	
4		0.71	0.71		0.98				1.0						1.5	
5		0.73	0.73		1.08				1.0						1.7	
6		0.75	0.71		0.95				1.1						1.7	
7		0.75	0.71		0.94				1.1						1.8	
8		0.75	0.67		0.96				1.1						1.8	
9		0.76	0.83		1.01				1.1						1.7	
10		0.55	0.68		1.05				1.0						1.8	
11		0.71	0.69		0.90				1.1						1.7	
12		0.63	0.70		0.96				1.1						1.7	
13		0.64	0.66		0.98				1.2						1.8	
14		0.66	0.69		0.97				1.2						1.9	
15		0.66	0.72		0.92				1.2						1.7	
16		0.65	0.65		0.84				1.2						2.0	
17		0.61	0.63		0.92				1.2						1.8	
18		0.71	0.71		0.99				1.1						1.7	
19																
20																
21																
22																
23																
24																
25																
26																
27																
28																
29																
30																
31																
AVG		0.69	0.70		0.96				1.1						1.7	
MAX		0.76	0.83		1.08				1.2						2.0	
MIN		0.55	0.63		0.84				1.0						1.5	



**Chemical Analyses**

**WSSN 2310**

**Apr-18**

DATE	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	7.34	7.49		96		72		30	0.01	0.00		26.5		7.3		15
2	7.38	7.60		102		80		30	0.00	0.00		28.1		7.3		15
3	7.37	7.56	104	104	84	80	36	36	0.01	0.01	27.3	27.3	8.7	8.7	16	16
4	7.28	7.54		104		84		34	0.01	0.01		28.1		8.3		15
5	7.32	7.56		106		86		36	0.01	0.01		28.1		8.7		16
6	7.34	7.57		104		82		34	0	0.01		28.1		8.3		15
7	7.33	7.53		102		74		32	0.01	0.01		28.1		7.8		15
8	7.28	7.66		104		86		38	0.01	0.01		26.5		9.2		16
9	7.33	7.69		104		86		32	0.02	0.01		28.9		7.8		15
10	7.32	7.63	112	106	80	86	40	40	0.02	0.01	26.5	28.9	9.7	9.7	15	15
11	7.36	7.67		108		88		36	0.01	0.00		28.9		8.7		16
12	7.30	7.66		106		84		36	0.02	0.01		28.1		8.7		16
13	7.33	7.61		96		76		28	0	0.00		27.3		6.8		14
14	7.34	7.61		100		80		32	0.01	0.01		27.3		7.8		15
15	7.39	7.61		100		70		20	0	0.00		32.0		4.9		15
16	7.34	7.58	100	96	74	70	34	32	0.01	0.01	26.5	25.7	8.3	7.8	15	15
17	7.40	7.65		104		82		36	0.02	0.02		27.3		8.7		16
18	7.31	7.58		104		84		34	0.01	0.01		28.1		8.3		16
19																
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24																
25																
26																
27																
28																
29																
30																
31																
AVG	7.34	7.60		103		81		33		0.01		28.0		8.0		15
MAX	7.40	7.69		108		88		40		0.02		32.0		9.7		16.0
MIN	7.28	7.49		96		70		20		0.00		25.7		4.9		14.0



WSSN 2310

Apr-18

D A T E	Total Coliform						66	Standard Plate Count		Conductivity (mS)	Temp deg.C	Color		Odor			
	Plant Tap							Raw	Tap			71	72	Raw	Tap	73	74
			Dort	3MG Well	Sta II	Lab Tap											
	60	61	62	63	64	65											
1						2/0			0.23	5.8							
2						2/0			0.24	6.1							
3						2/0			0.24	6.2							
4						2/0			0.24	7.1							
5						2/0			0.24	6.2							
6						2/0			0.24	6.3							
7						2/0			0.22	5.7							
8						2/0			0.24	6.2							
9						2/0			0.24	6.2							
10						2/0			0.25	6.4							
11						2/0			0.25	6.4							
12						2/0			0.24	6.5							
13						2/0			0.23	6.7							
14						2/0			0.22	6.5							
15						2/0			0.23	7.5							
16						2/0			0.23	6.5							
17						2/0			0.23	6.4							
18						2/0			0.24	6.7							
19																	
20																	
21																	
22																	
23																	
24																	
25																	
26																	
27																	
28																	
29																	
30																	
31																	
AVG									0.23	6.4							
MAX									0.25	7.5							
MIN									0.22	5.7							



Distribution System Monitoring WSSN 2310

Apr-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	28	29	30	21	22	23	24	25		
1																													0	
2	1.48	1.33	1.61	1.69	1.69	1.55															1.64			1.56					8	
3							1.66	1.79	1.23	1.75		1.35	1.64												1.51				7	
4														1.10	1.04	1.67	1.75	1.28	1.09				1.69				1.80		8	
5	1.62	1.27	1.59	1.30	1.84															1.51							1.62		7	
6											1.39					1.75	1.82	1.33	1.18				1.90					1.43	7	
7																													0	
8																													0	
9	1.42	1.33	1.64	1.62	1.85	1.54																		1.51					7	
10							1.46	1.54	1.37	1.49		1.72	1.70	1.28	1.40	1.67	1.68	1.37	1.02				1.60			1.69	1.67	1.69	16	
11	1.58	1.32	1.58	1.60	1.90								1.70							1.77								7		
12											1.49					1.67	1.77	1.48	0.82				1.72						6	
13																													0	
14																													0	
15																													0	
16																													0	
17	1.59	1.20	1.59	1.11	1.54	1.12		1.62	1.37			1.76										1.79		1.54	1.62			12		
18							1.20			1.51			1.69	1.32		1.79	1.79	1.38	1.16				1.78				1.64		10	
19																													0	
20																													0	
21																													0	
22																													0	
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>1.52</b>																										
<b>Total Samples</b>				<b>83</b>																										



Distribution System Monitoring

WSSN 2310

Apr-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	28	29	30	21	22		23	24	25	
1																														0
2	1.67	1.48	1.85	1.87	2.10	1.68															1.83			1.71					8	
3							1.83	1.94	1.44	1.96		1.54	1.84												1.68				7	
4														1.29	1.20	1.85	1.92	1.46	1.28				1.87			1.99			8	
5	1.78	1.52	1.79	1.54	2.07															1.65	1.84							7		
6											1.61					1.91	1.99	1.50	1.32					2.09				1.59	7	
7																													0	
8																													0	
9	1.63	1.58	1.87	1.85	2.08	1.79																							6	
10							1.54	1.72	1.61	1.72		1.96	1.93	1.51	1.63	1.98	1.92	1.56	1.22				1.94		1.89	1.76	1.78	16		
11	1.78	1.49	1.82	1.80	2.12															1.97								6		
12											1.72					2.01	1.97	1.66	1.08					1.93				6		
13																													0	
14																													0	
15																													0	
16																													0	
17	1.78	1.46	1.77	1.23	1.94	1.29		1.78	1.67			1.96										2.01		1.71	1.82			12		
18							1.36			1.69				1.85	1.48		1.96	1.93	1.60	1.35			1.99			1.84		10		
19																													0	
20																													0	
21																													0	
22																													0	
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>1.72</b>																									
<b>Total Samples</b>					<b>83</b>																									



**ROUTINE POSITIVE DISTRIBUTION SAMPLES**

**Apr-18**

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>83</b>						
Total number of routine distribution samples required:				<b>100</b>						