





**Fluoridation & Chlorination**

**WSSN 2310**

**Aug-17**

D A T E	Fluoride Applied F mg/l	Fluoride Analyses mg/l			Chlorine App. Mg/l			Chlorine Residual mg/l							
					Chlori ne 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	Free
		14	15	16	17	18	19	20	21	22	23	24	25	26	27
1		0.74		1.53				0.7						1.9	
2		0.79		1.34				0.7						1.8	
3		0.83		1.47				0.7						1.8	
4		0.77		1.63				0.7						1.9	
5		0.74		1.58				0.7						1.8	
6		0.70		1.47				0.7						1.9	
7		0.82		1.36				0.7						1.9	
8		0.77		1.49				0.7						1.8	
9		0.73		1.51				0.8						1.8	
10		0.69		1.56				0.7						1.7	
11		0.62		1.44				0.7						1.7	
12		0.75		1.39				0.8						1.9	
13		0.75		1.51				0.7						1.9	
14		0.65		1.62				0.6						1.8	
15		0.71		1.69				0.7						1.8	
16		0.71		1.69				0.7						1.8	
17		0.61		1.67				0.7						1.8	
18		0.68		1.48				0.7						1.8	
19		0.61		1.46				0.7						1.7	
20		0.67		1.88				0.6						1.8	
21		0.64		1.84				0.6						1.7	
22		0.74		1.53				0.7						1.7	
23		0.63		1.28				0.9						1.9	
24		6.35						0.8						1.9	
25															
26															
27															
28															
29															
30															
31															
AVG		0.95		1.54				0.7						1.8	
MAX		6.35		1.88				0.9						1.9	
MIN		0.61		1.28				0.6						1.7	



**Chemical Analyses                      WSSN 2310                      Aug-17**

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	39	40	41	42	43	44
1	7.33	7.41		102		78		24		0.01		30.5		6.3		15
2	7.34	7.57		102		80		22		0.01		30.5		6.3		15
3	7.34	7.55		102		78		24		0.01		30.5		6.3		15
4	7.40	7.62		104		78		26		0.01		30.5		6.8		14
5	7.40	7.51		104		80		24		0.01		31.3		6.3		15
6	7.35	7.50		104		80		24		0.01		31.3		6.3		15
7	7.44	7.55		104		80		24		0.01		31.3		6.3		15
8	7.46	7.60		104		80		24		0.01		31.3		6.3		14
9	7.42	7.51		100		80		20		0.01		30.5		5.8		15
10	7.33	7.48		100		80		20		0.01		31.3		5.3		14
11	7.45	7.56		100		78		22		0.01		31.3		5.3		15
12	7.37	7.50		100		78		22		0.01		31.3		5.3		15
13	7.38	7.55		102		78		24		0.01		30.5		6.3		14
14	7.30	7.59		100		78		22		0.01		31.3		5.3		15
15	7.44	7.56		100		76		24		0.01		30.5		5.8		14
16	7.30	7.58		98		78		20		0.01		27.9		5.8		13
17	7.39	7.52		98		78		20		0.01		27.9		5.8		14
18	7.37	7.56		98		78		20		0.01		30.5		5.3		13
19	7.30	7.56		96		78		18		0.01		30.5		4.9		13
20	7.37	7.56		100		78		22		0.02		31.3		5.3		14
21	7.36	7.45		98		80		18		0.01		29.7		5.8		14
22	7.40	7.51		98		78		20		0.01		30.5		5.3		13
23	7.32	7.60		100		78		22		0.01		30.5		5.8		13
24	7.35	7.48		104		80		24		0.01		30.5		6.8		13
25																
26																
27																
28																
29																
30																
31																
AVG	7.37	7.54		101		79		22		0.01		30.6		5.9		14
MAX	7.46	7.62		104		80		26		0.02		31.3		6.8		15.0
MIN	7.30	7.41		96		76		18		0.01		27.9		4.9		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			71	72	Raw	Tap	73	74
			Dort	3MG Well	Sta II	Lab Tap											
	60	61	62	63	64	65											
1					2/0	2/0			<2	0.24	20.2						
2					2/0	2/0				0.24	20.4						
3					2/0	2/0				0.24	20.4						
4					2/0	2/0				0.24	20.3						
5					2/0	2/0				0.24	20.1						
6					2/0	2/0				0.24	20.1						
7					2/0	2/0				0.23	19.9						
8					2/0	2/0			<2	0.24	19.9						
9					2/0	2/0				0.24	20.0						
10					2/0	2/0				0.24	20.0						
11					2/0	2/0				0.23	20.1						
12					2/0	2/0				0.24	20.2						
13					2/0	2/0				0.24	20.0						
14					2/0	2/0				0.23	20.3						
15					2/0	2/0			2	0.24	19.5						
16					2/0	2/0				0.24	19.4						
17					2/0	2/0				0.24	20.0						
18					1/0	2/0				0.23	19.7						
19					2/0	2/0				0.24	19.8						
20					2/0	2/0				0.24	20.1						
21					2/0	2/0				0.24	19.9						
22					2/0	2/0			2	0.23	19.3						
23					2/0	2/0				0.23	19.4						
24										0.23	18.7						
25																	
26																	
27																	
28																	
29																	
30																	
31																	
AVG										0.24	19.9						
MAX										0.24	20.4						
MIN										0.23	18.7						



Distribution System Monitoring WSSN 2310

Aug-17

DATE	Free Chlorine Residual at Bacteriological Monitoring Stations 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	21	22	23	24	25			
1							0.95	1.50	1.48	1.33		1.33										1.02				6		
2													0.86	1.28	0.94	1.35	1.35	0.60					1.70			7		
3							0.92	1.39	1.38	1.42										0.26	0.94				0.99	7		
4	1.07		1.06	1.15								0.82								0.57					1.06	6		
5																										0		
6																										0		
7				1.20	1.29	1.19																				3		
8		1.23											0.93	1.45	0.95				0.74			0.97		1.63		7		
9	1.06			1.23				1.46	1.45							1.33	1.45		0.45			1.22				8		
10							1.05	1.43	1.32	1.51									0.48	0.98				1.00		7		
11	0.98	1.58	1.25	1.15															0.77						0.99	6		
12																										0		
13																										0		
14	0.92	0.93	1.17	1.13	1.68	0.78																0.89				7		
15							1.28	1.50	1.25	1.22		0.89										1.03				6		
16													1.04	1.46	0.57	1.33	1.39	0.33						1.65		7		
17							1.03	1.50	1.43	1.55										0.52					0.84	6		
18	0.95		1.38	1.44								1.47								0.73					1.41	6		
19																										0		
20																										0		
21	0.91		1.01	1.16	1.50	0.68																				5		
22							1.06	1.54	1.19	1.50		1.48						0.86				0.95				7		
23													0.83	0.90	1.08	0.87	1.38						1.72		1.20	7		
24							0.99	1.44	0.71	1.54										0.14					0.92	6		
25																										0		
26																										0		
27																										0		
28																										0		
29																										0		
30																										0		
31																										0		
<b>Monthly Cl<sub>2</sub> Avg.</b>				<b>1.13</b>																								
<b>Total Samples</b>				<b>114</b>																								



**Distribution System Monitoring**

**WSSN 2310**

**Aug-17**

DATE	Total Chlorine Residual at Bacteriological Monitoring Stations 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	21	22	23	24	25					
1							1.09	1.64	1.60	1.62		1.45										1.21				6				
2													1.04	1.54	1.19	1.55	1.53	0.81				1.21		1.87		7				
3							1.19	1.63	1.59	1.67										0.42	1.20			1.22		7				
4	1.24		1.38	1.34								0.97								0.74					1.22	6				
5																										0				
6																										0				
7				1.44	1.52	1.44																				3				
8		1.29											1.17	1.68	0.95				0.89			1.06		1.82		7				
9	1.20		1.41					1.58	1.57						1.66	1.61			0.61			1.46				8				
10							1.25	1.61	1.51	1.61									0.67	1.14				1.17		7				
11	1.15	1.71	1.36	1.36															0.94						1.14	6				
12																										0				
13																										0				
14	1.10	1.22	1.34	1.39	1.81	0.89																0.98				7				
15							1.42	1.67	1.46	1.41		1.06										1.24				6				
16													1.25	1.59	0.79	1.59	1.57	0.53						1.79		7				
17							1.30	1.69	1.58	1.69										0.70				1.22		6				
18	1.16		1.54	1.60								1.60								0.88					1.55	6				
19																										0				
20																										0				
21	1.12		1.41	1.37	1.67	0.78																				5				
22							1.22	1.68	1.62	1.69		1.63						0.97				1.23				7				
23													1.08	1.10	1.30	1.14	1.55						1.94		1.37	7				
24							1.16	1.67	0.91	1.69										0.29				1.27		6				
25																										0				
26																										0				
27																										0				
28																										0				
29																										0				
30																										0				
31																										0				
<b>Monthly Cl<sub>2</sub> Avg.</b>				<b>1.32</b>																										
<b>Total Samples</b>				<b>114</b>																										



**ROUTINE POSITIVE DISTRIBUTION SAMPLES**

**Aug-17**

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>114</b>						
Total number of routine distribution samples required:				<b>100</b>						