





**Fluoridation & Chlorination**

**WSSN 2310**

**Jul-16**

DATE	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					
		Free	Free	Free				Free								
		Raw	Tap	Dist	18	19	20	21	22	23	24	25	26	27	28	
1			0.80		0.43				0.7						1.0	
2			0.71		0.68				0.8						1.2	
3			0.69		0.69				0.8						1.2	
4			0.74		0.69				0.8						1.2	
5			0.73		0.69				0.8						0.9	
6			0.72		0.69				0.8						1.3	
7			0.73		0.70				0.7						1.4	
8			0.74		0.70				0.8						1.3	
9			0.74		0.70				0.8						1.3	
10			0.75		0.70				0.8						1.3	
11			0.75		0.69				0.8						1.3	
12			0.77		0.70				0.8						1.2	
13			0.78		0.70				0.7						1.3	
14			0.77						0.7						1.3	
15																
16																
17																
18																
19																
20																
21																
22																
23																
24																
25																
26																
27																
28																
29																
30																
31																
AVG			0.74		0.67				0.8						1.2	
MAX			0.80		0.70				0.8						1.4	
MIN			0.69		0.43				0.7						0.9	



**Chemical Analyses**

**WSSN 2310**

**Jul-16**

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	7.44	7.39		102		74		28		0.02		29.7		6.8		12
2	7.48	7.39		102		74		28		0.02		33.7		3.9		12
3	7.44	7.30		102		76		26		0.02		32.9		4.9		13
4	7.41	7.30		102		76		26		0.02		30.5		6.3		13
5	7.41	7.31		98		74		24		0.03		33.7		3.4		13
6	7.41	7.35		100		74		26		0.01		33.7		3.9		13
7	7.45	7.31		100		74		26		0.02		33.7		3.9		13
8	7.49	7.38		100		74		26		0.02		29.7		6.3		13
9	7.49	7.40		102		74		28		0.02		32.9		4.9		12
10	7.47	7.34		100		74		26		0.02		33.7		3.9		13
11	7.47	7.32		102		74		28		0.03		34.5		3.9		13
12	7.33	7.32		104		72		32		0.02		33.7		4.9		13
13	7.45	7.33		102		72		30		0.02		34.5		3.9		13
14	7.44	7.33		104		72		32		0.02		32.9		5.3		13
15								0								
16								0								
17								0								
18								0								
19								0								
20								28								
21								0								
22								0								
23								0								
24								0								
25								0								
26								0								
27								0								
28								0								
29								0								
30								0								
31								0								
AVG	7.44	7.34		101		74		13		0.02		32.8		4.7		13
MAX	7.49	7.40		104		76		32		0.03		34.5		6.8		13.0
MIN	7.33	7.30		98		72		0		0.01		29.7		3.4		12.0



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**Jul-16**

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	2 / 0			0.21	16.9					
2					2 / 0	2 / 0			0.21	18.2					
3					2 / 0	2 / 0			0.21	18.3					
4					2 / 0	2 / 0			0.21	18.1					
5					2 / 0	2 / 0			0.21	18.8					
6					2 / 0	2 / 0			0.21	18.4					
7					2 / 0	2 / 0			0.21	18.4					
8					2 / 0	2 / 0			0.21	18.3					
9					2 / 0	2 / 0			0.21	18.2					
10					2 / 0	2 / 0			0.21	18.4					
11					2 / 0	2 / 0			0.21	18.0					
12					2 / 0	2 / 0			0.21	18.9					
13					2 / 0	2 / 0			0.21	19.0					
14									0.21	19.2					
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															
25															
26															
27															
28															
29															
30															
31															
AVG									0.21	18.4					
MAX									0.21	19.2					
MIN									0.21	16.9					



**Distribution System Monitoring      WSSN 2310      Jul-16**

D A T E	Free Chlorine Residual at Bacteriological Monitoring Stations mg/l										
	1	2	3	4	5	6	7	8	CS	WR	Number of Samples
1											0
2											0
3											0
4											0
5	1.00	1.03	1.05	0.84	0.75	0.26	1.04	1.22	0.84	0.98	10
6	1.18	0.99	0.98	0.75	0.65	0.27	0.97	1.03	0.78	1.06	10
7	1.16	1.06	0.98	0.77	0.68	0.34	0.92	1.18	0.83	1.02	10
8											0
9											0
10											0
11											0
12	1.17	0.81	1.01	0.82	0.83	0.42	0.94	1.14	0.95	1.21	10
13	1.17	1.08	1.04	0.86	0.71	0.26	0.91	1.07	0.83	1.16	10
14	1.02	0.93	1.01	0.80	0.73	0.30	0.88	1.03	1.65	1.04	10
15											0
16											0
17											0
18											0
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>0.907</b>							
<b>Total Samples</b>				<b>60</b>							



**Distribution System Monitoring      WSSN 2310      Jul-16**

D A T E	Total Chlorine Residual at Bacteriological Monitoring Stations mg/l										
	1	2	3	4	5	6	7	8	CS	WR	Number of Samples
1											0
2											0
3											0
4											0
5	1.38	1.22	1.16	0.97	0.84	0.38	1.14	1.34	0.94	1.22	10
6	1.34	1.16	1.21	0.95	0.82	0.41	1.04	1.18	0.92	1.22	10
7	1.27	1.19	1.22	0.86	0.82	0.41	1.02	1.39	0.90	1.24	10
8											0
9											0
10											0
11											0
12	1.30	0.95	1.06	0.98	0.90	0.54	1.05	1.12	1.05	1.35	10
13	1.24	1.15	1.22	0.98	0.92	0.41	1.00	1.24	1.00	1.33	10
14	1.29	1.15	1.15	1.00	0.92	0.38	1.04	1.19	1.77	1.21	10
15											0
16											0
17											0
18											0
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>1.051</b>							
<b>Total Samples</b>				<b>60</b>							



**ROUTINE POSITIVE DISTRIBUTION SAMPLES**

**Jul-16**

Total number of positive routine samples:				Total Coliform: <u>0</u>			Fecal Coliform: <u>0</u>		Chlorine Residual (mg/L)	
Date	Monitoring Station	Total Coliform	Fecal Coliform	Date	Time	Retest of Station, Upstream & Downstream	Total Coliform	Fecal Coliform	Free	Total
Total number of routine distribution samples analyzed:				<b>60</b>						
Total number of routine distribution samples required:				<b>100</b>						