



Flouridation & Chlorination

WSSN 2310

May-16

D A T E	Fluoride Applied F ⁻ mg/l	Fluoride Analyses mg/l			Chlorine App. Mg/l			Chlorine Residual mg/l								
						Chlorine (prior to filtration) mg/L OCl ⁻	Post Chlorine mg/L		Sta II	Dort	3MG Well		Tap			
		Raw	Tap	Dist					Free	Free	Free		Free			
		14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1			0.60						0.9						0.8	
2			0.63						0.9						0.8	
3			0.62						0.8						0.7	
4			0.64						0.9						0.8	
5			0.61						0.9						0.8	
6			0.59						0.9						0.8	
7			0.59						0.9						0.8	
8			0.61						0.9						0.8	
9			0.59						0.9						0.9	
10			0.60						0.9						0.8	
11			0.59						0.9						0.8	
12			0.60						0.8						0.8	
13			0.59						0.8						0.8	
14			0.57						0.9						0.8	
15			0.60						0.9						0.6	
16			0.62						0.9						0.8	
17			0.62						.1.0						0.8	
18			0.63						0.9						0.9	
19			0.70						1.0						0.8	
20																
21																
22																
23																
24																
25																
26																
27																
28																
29																
30																
31																
AVG			0.61						0.9						0.8	
MAX			0.70						1.0						0.9	
MIN			0.57						0.8						0.6	



Chemical Analyses

WSSN 2310

May-16

D A T E	pH		Total Hardness as CaCO ₃ mg/l		Total Alkalinity as CaCO ₃ mg/l		NonCarbonate Hardness as CaCO ₃ mg/l		Iron mg/L		Calcium Ca ²⁺ mg/l		Magnesium as Mg ²⁺ mg/l		Chloride as Cl ⁻ 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	7.34	7.24		96		72		24		0.03		33.7		2.9		11
2	7.36	7.25		102		73		29		0.05		29.7		6.8		11
3	7.36	7.23		102		76		26		0.03		32.1		5.3		11
4	7.35	7.24		102		70		32		0.02		36.1		2.9		13
5	7.33	7.24		100		72		28		0.02		33.7		3.9		12
6	7.48	7.25		102		74		28		0.02		33.7		4.4		12
7	7.44	7.28		100		72		28		0.01		33.7		3.9		12
8	7.38	7.27		100		74		26		0.03		33.7		3.9		12
9	7.39	7.27		100		74		26		0.03		35.3		2.9		12
10	7.38	7.27		104		74		30		0.04		33.7		4.9		13
11	7.38	7.26		100		74		26		0.03		34.5		3.4		13
12	7.41	7.28		102		74		28		0.03		34.5		3.9		12
13	7.45	7.30		102		76		26		0.02		33.7		4.4		11
14	7.64	7.29		104		76		28		0.03		33.7		4.9		11
15	7.39	7.25		98		72		26		0.05		32.1		4.4		12
16	7.43	7.25		100		72		28		0.03		33.7		3.9		12
17	7.60	7.26		102		74		28		0.02		33.7		4.4		12
18	7.40	7.23		102		72		30		0.03		35.3		3.4		12
19	7.37	7.26		100		72		28		0.04		32.1		4.9		11
20								0								
21								0								
22								0								
23								0								
24								0								
25								0								
26								0								
27								0								
28								0								
29								0								
30								0								
31								0								
AVG	7.41	7.26		101		73		17		0.03		33.6		4.2		11.8
MAX	7.64	7.30		104		76		32		0.05		36.1		6.8		13.0
MIN	7.33	7.23		96		70		0		0.01		29.7		2.9		11.0



WSSN 2310

May-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	65.00									
1	2 / 0				2 / 0	2 / 0			0.19	9.7					
2					2 / 0	2 / 0			0.19	10.9					
3					2 / 0	2 / 0		< 2	0.21	11.8					
4					2 / 0	2 / 0			0.21	11.7					
5					2 / 0	2 / 0			0.21	11.1					
6					2 / 0	2 / 0			0.21	11.2					
7					2 / 0	2 / 0			0.21	11.9					
8					2 / 0	2 / 0			0.19	10.1					
9					2 / 0	2 / 0			0.19	10.1					
10					2 / 0	2 / 0			0.19	11.1					
11					2 / 0	2 / 0			0.19	10.9					
12					2 / 0				0.20	11.2					
13									0.21	10.7					
14					2 / 0	2 / 0			0.21	11.4					
15					2 / 0	2 / 0			0.20	11.7					
16					2 / 0	2 / 0			0.19	10.7					
17						2 / 0			0.21	12.3					
18									0.21	11.9					
19									0.21	12.1					
20															
21															
22															
23															
24															
25															
26															
27															
28															
29															
30															
31															
										11.2					
										12.3					
										9.7					



Distribution System Monitoring WSSN 2310 May-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	0.83	0.69	0.69	0.83	0.58	0.26	0.65	0.75	1.13	2.07	10
4	0.84	0.60	0.76	0.64	0.50	0.24	0.66	0.83	1.10	2.18	10
5	0.79	0.70	0.79	0.73	0.55	0.29	0.73	0.84	0.77	1.97	10
6											0
7											0
8											0
9											0
10	0.75	0.67	0.69	0.81	0.59	0.24	0.65	0.69	1.03	1.69	10
11	0.78	0.64	0.67	0.71	0.52	0.26	0.67	0.77	0.76	1.43	10
12	0.77	0.67	0.65	0.61	0.61	0.29	0.61	0.75	0.85	1.61	10
13											0
14											0
15											0
16											0
17	0.80	0.70	0.75	0.69	0.65	0.25	0.69	0.81	1.45	1.35	10
18	0.77	0.64	0.72	0.71	0.67	0.27	0.79	0.92	1.40	1.21	10
19	0.77	0.63	0.72	1.19	0.68	0.34	0.68	0.86	1.47	1.36	10
20											0
21											0
22											0
23											0
24											0
25											0
26											0
27											0
28											0
29											0
30											0
31											0
Monthly Cl₂ Avg.				0.804							
Total Samples				90							



Distribution System Monitoring WSSN 2310 May-16

DATE	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	0.97	0.83	1.09	0.94	0.71	0.36	0.85	0.94	1.24	2.27	10
4	0.97	0.76	0.84	0.75	0.67	0.30	0.85	0.93	1.16	2.28	10
5	0.96	0.81	0.88	0.94	0.67	0.37	0.78	0.97	0.90	2.24	10
6											0
7											0
8											0
9											0
10	0.86	0.81	0.79	0.94	0.74	0.33	0.79	0.81	1.19	1.80	10
11	0.88	0.77	0.77	0.85	0.63	0.36	0.75	0.89	1.01	1.88	10
12	0.86	0.81	0.74	0.71	0.69	0.40	0.77	0.79	0.98	1.69	10
13											0
14											0
15											0
16											0
17	1.00	0.80	0.94	0.78	0.77	0.34	0.83	0.95	1.62	1.51	10
18	1.00	0.77	0.91	0.83	0.78	0.39	0.88	1.02	1.62	1.50	10
19	0.99	0.82	0.87	1.38	0.83	0.46	0.87	1.01	1.57	1.47	10
20											0
21											0
22											0
23											0
24											0
25											0
26											0
27											0
28											0
29											0
30											0
31											0
Monthly Cl₂ Avg.				0.945							
Total Samples				90							



ROUTINE POSITIVE DISTRIBUTION SAMPLES

May-16

Total number of positive routine samples:				Total Coliform: <u>0</u>		Fecal Coliform: <u>0</u>	
Date	Monitoring Station	Total Coliform	Fecal Coliform	Date	Retest of Station, Upstream & Downstream	Total Coliform	Fecal Coliform
Total number of routine distribution samples analyzed:				90			
Total number of routine distribution samples required:				100			