





**Fluoridation & Chlorination**

**WSSN 2310**

**Nov-16**

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 OCI <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			0.81		1.06				0.8						1.7	
2			0.80		1.05				0.8						1.7	
3			0.80		1.10				0.8						1.6	
4			0.77		1.12				0.8						1.8	
5			0.70		1.09				0.7						1.8	
6			0.73		1.09				0.8						1.7	
7			0.71		1.12				0.8						1.6	
8			0.73		1.12				0.8						1.5	
9			0.74		1.08				0.8						1.7	
10			0.72		1.14				0.8						1.5	
11			0.75		1.08				0.9						1.5	
12			0.72		1.08				0.8						1.6	
13			0.77		1.08				0.8						1.7	
14			0.77		1.09				0.8						1.7	
15			0.77		1.13				0.6						1.5	
16			0.79		1.16				0.7						1.6	
17			0.77		1.02				0.9						1.6	
18			0.80		1.02				0.9						1.6	
19			0.80		1.01				0.9						1.7	
20			0.79		1.04				0.9						1.7	
21			0.78		1.05				0.9						1.7	
22			0.78		1.01				0.9						1.8	
23																
24																
25																
26																
27																
28																
29																
30																
AVG			0.76		1.08				0.8						1.6	
MAX			0.81		1.16				0.9						1.8	
MIN			0.70		1.01				0.6						1.5	



**Chemical Analyses**

**WSSN 2310**

**Nov-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	7.42	7.28		98		70		28		0.01		30.5		5.3		13
2	7.49	7.29		98		70		28		0.01		34.5		2.9		12
3	7.55	7.32		100		70		30		0.02		35.3		2.9		13
4	7.42	7.30		100		70		30		0.01		35.3		2.9		13
5	7.45	7.35		98		72		26		0.00		34.5		2.9		12
6	7.42	7.34		98		70		28		0.00		33.7		3.4		12
7	7.46	7.34		98		70		28		0.01		35.3		2.4		12
8	7.47	7.29		98		72		26		0.01		33.7		3.4		12
9	7.40	7.30		100		70		30		0.01		32.1		4.9		12
10	7.39	7.29		100		68		32		0.01		34.5		3.4		13
11	7.42	7.28		98		70		28		0.01		34.5		2.9		12
12	7.45	7.28		98		70		28		0.01		35.3		2.4		13
13	7.43	7.29		98		68		30		0.01		35.3		2.4		13
14	7.38	7.26		100		70		30		0.01		30.5		5.9		12
15	7.45	7.29		98		70		28		0.01		34.5		2.9		13
16	7.41	7.30		100		68		32		0.01		34.5		3.4		12
17	7.40	7.28		100		68		32		0.01		32.1		4.9		13
18	7.43	7.26		100		70		30		0.01		33.7		3.9		12
19	7.43	7.31		98		70		28		0		29.7		5.8		13
20	7.46	7.30		96		72		24		0.01		32.1		3.9		13
21	7.46	7.29		98		70		28		0		31.3		4.9		13
22	7.36	7.27		100		70		30		0.01		34.5		3.4		13
23																
24																
25																
26																
27																
28																
29																
30																
AVG	7.43	7.30		99		70		29		0.01		33.5		3.7		13
MAX	7.55	7.35		100		72		32		0.02		35.3		5.9		13.0
MIN	7.36	7.26		96		68		24		0.00		29.7		2.4		12.0



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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			Raw	Tap	Raw	Tap
			Dort	3MG Well	Sta II	Lab Tap									
	60	61	62	63	64	65									
1					2 / 0	2 / 0		< 2	0.21	15.3					
2					2 / 0	2 / 0			0.21	14.1					
3					2 / 0	2 / 0			0.18	13.4					
4					2 / 0	2 / 0			0.21	13.5					
5					2 / 0	2 / 0			0.20	13.2					
6					2 / 0	2 / 0			0.20	13.2					
7					1 / 0	2 / 0			0.20	13.2					
8					2 / 0	2 / 0		< 2	0.20	13.5					
9					2 / 0	2 / 0			0.21	13.3					
10					2 / 0	2 / 0			0.21	13.9					
11					2 / 0	2 / 0			0.21	14.4					
12					2 / 0	2 / 0			0.21	15.3					
13					2 / 0	2 / 0			0.20	14.3					
14					2 / 0	2 / 0			0.20	14.0					
15					2 / 0	2 / 0		< 2	0.21	15.0					
16					2 / 0	2 / 0			0.20	14.4					
17					2 / 0	2 / 0			0.21	15.1					
18					2 / 0	2 / 0			0.21	14.2					
19					2 / 0	2 / 0			0.21	14.1					
20					2 / 0	2 / 0			0.21	14.8					
21					2 / 0	2 / 0			0.21	13.6					
22									0.21	13.8					
23															
24															
25															
26															
27															
28															
29															
30															
AVG									0.21	14.1					
MAX									0.21	15.3					
MIN									0.18	13.2					



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

D A T E	Free Chlorine Residual at Bacteriological Monitoring Stations mg/l										
	1	2	3	4	5	6	7	8	CS	WS*	Number of Samples
1	1.50	1.22	1.41	1.27	1.12	0.50	1.49	1.40	1.20	1.62	10
2	1.51	1.39	1.46	1.30	1.03	0.58	1.25	1.47	1.45	1.52	10
3	1.57	1.29	1.46	1.23	1.17	0.61	1.48	1.47	1.21	1.33	10
4											0
5											0
6											0
7											0
8	1.51	1.38	1.35	1.22	1.04	0.05	1.47	1.35	1.23	1.28	10
9	1.56	1.43	1.49	1.32	1.14	0.85	1.47	1.51	1.24	1.33	10
10	1.51	1.31	1.25	1.20	1.17	1.00	1.34	1.38	1.03	1.41	10
11											0
12											0
13											0
14											0
15	1.39	1.34	1.39	1.35	1.15	0.68	1.33	1.43	1.50	1.27	10
16	1.62	1.33	1.43	1.21	0.94	0.61	1.56	1.43	1.47	1.22	10
17	1.62	1.38	1.38	1.23	1.11	0.76	1.54	1.52	1.47	1.13	10
18											0
19											0
20											0
21											0
22	1.61	1.42	1.50	1.28	0.86	0.67	1.57	1.55	1.17	1.14	10
23											0
24											0
25											0
26											0
27											0
28											0
29											0
30											10
<b>Monthly Cl<sub>2</sub> Avg.</b>				<b>1.279</b>							
<b>Total Samples</b>				<b>100</b>							

\*\*\*Comments: Midway Market will be used in lieu of West Side Reservoir , until further notice (11/15/16)



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

D A T E	Total Chlorine Residual at Bacteriological Monitoring Stations mg/l										
	1	2	3	4	5	6	7	8	CS	WS*	Number of Samples
1	1.76	1.61	1.67	1.48	1.29	0.79	1.68	1.71	1.33	1.88	10
2	1.67	1.55	1.59	1.47	1.29	0.72	1.42	1.67	1.57	1.66	10
3	1.68	1.45	1.55	1.41	1.36	0.79	1.64	1.66	1.31	1.50	10
4											0
5											0
6											0
7											0
8	1.75	1.58	1.56	1.40	1.33	0.74	1.67	1.66	1.46	1.46	10
9	1.77	1.69	1.69	1.56	1.34	1.05	1.67	1.69	1.36	1.44	10
10	1.78	1.50	1.55	1.42	1.41	1.15	1.57	1.58	1.20	1.52	10
11											0
12											0
13											0
14											0
15	1.71	1.51	1.64	1.56	1.36	0.89	1.47	1.59	1.67	1.37	10
16	1.79	1.48	1.59	1.39	1.31	0.81	1.74	1.63	1.69	1.35	10
17	1.75	1.56	1.51	1.40	1.24	0.93	1.74	1.64	1.61	1.43	10
18											0
19											0
20											0
21											0
22	1.73	1.50	1.65	1.42	1.21	0.85	1.71	1.69	1.32	1.30	10
23											0
24											0
25											0
26											0
27											0
28											0
29											0
30											10
<b>Monthly Cl<sub>2</sub> Avg.</b>				<b>1.475</b>							
<b>Total Samples</b>				<b>110</b>							

\*\*\*Comments: Midway Market will be used in lieu of West Side Reservoir , until further notice (11/15/16)

