



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								
		Raw	Tap	Dist	Chlori ne App. Mg/l	Chlorine (prior to filtration) mg/L OCl ⁻	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			0.74		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						0.7						1.7	
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28																
29																
30																
31																
AVG			0.76		1.49				0.7						1.8	
MAX			0.83		1.63				0.8						1.9	
MIN			0.69		1.34				0.7						1.7	



Chemical Analyses

WSSN 2310

Aug-17

DATE	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	7.33	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
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29																
30																
31																
AVG	7.38	7.53		103		79		23		0.01		30.9		6.2		15
MAX	7.46	7.62		104		80		26		0.01		31.3		6.8		15.0
MIN	7.33	7.41		100		78		20		0.01		30.5		5.3		14.0



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Aug-17

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			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			0.24	19.9							
9					2/0	2/0			0.24	20.0							
10									0.24	20.0							
11																	
12																	
13																	
14																	
15																	
16																	
17																	
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23																	
24																	
25																	
26																	
27																	
28																	
29																	
30																	
31																	
AVG									0.24	20.1							
MAX									0.24	20.4							
MIN									0.23	19.9							



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																											0
11																											0
12																											0
13																											0
14																											0
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29																											0
30																											0
31																											0
Monthly Cl₂ Avg.				1.14		**Midway Market is being used until West Side Reservoir activities are complete and until further notice (11/15/2016)																					
Total Samples				44																							



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																									0		
11																									0		
12																									0		
13																									0		
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30																									0		
31																									0		
Monthly Cl₂ Avg.					1.33	**Midway Market is being used until West Side Reservoir activities are complete and until further notice (11/15/2016)																				44	*On 12/8/16, Premier Insurance was used. Water was shut of at Liquor Palace.
Total Samples					44																						



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:				44						
Total number of routine distribution samples required:				100						