Mar-17

DATE	Total Million Gallons Purchased	Phosphate as PO_4 (mg/L) CSII	Phosphate applied as PO_4 (mg/L)	Phosphate as PO_4 (mg/L) Tap	25% Caustic Soda (mg/l)	Turbidity, NTU units – Raw # of Samples	Raw Avg.	Raw Max		Plant Tap # of Samples	Plant Tap Avg.	Plant Tap Max
	1	1A	1B	6	6a	7	8	9	10	11	12	13
1	12.1	1.2	2.58	3.8	1.0					2	0.09	0.10
2	12.1	1.2	2.58	3.7	1.0					2	0.08	0.09
3	11.6	1.0	2.57	3.6	1.0					2	0.08	0.08
4	11.6	1.2	2.61	3.7	1.0					2	0.07	0.07
5	11.7	1.0	2.64	3.6	1.0					2	0.08	0.09
6	11.7	1.2	2.64	3.8	1.0					2	0.09	0.10
7	11.6	1.3	2.70	3.9	1.0					2	0.10	0.10
8	11.2	1.3	2.64	3.8	1.0					2	0.08	0.09
9	12.0	1.0	2.65	3.7	1.0					2	0.10	0.12
10	11.9	1.0	2.70	3.5	1.0					2	0.10	0.11
11	12.0	1.3	2.68	3.9	1.0					2	0.10	0.12
12	12.0	1.2	2.60	3.9	1.0					2	0.11	0.11
13	12.0	1.1	2.56	3.7	1.0					2	0.11	0.12
14	12.1	1.3	2.55	3.9	1.0					2	0.08	0.08
15	12.1	1.4	2.48	3.9	1.0					2	0.07	0.09
16	11.8	1.4	2.29	3.6	1.0					2	0.08	0.08
17	11.3	1.2	2.34	3.4	1.0					2	0.09	0.09
18	11.6	1.0	2.53	3.5	1.0					2	0.10	0.11
19	12.0	1.1	2.63	3.7	1.0					2	0.09	0.09
20	12.1	1.0	2.63	3.6	1.1					2	0.08	0.08
21	12.1	1.1	2.73	3.8	1.4					2	0.08	0.08
22	11.8	1.2	2.72	3.8	1.5					2	0.10	0.11
23	11.7	1.2	2.67	3.8	1.8					2	0.10	0.11
24	11.5	1.2	2.73	3.8	2.0					2	0.08	0.09
25	11.2	1.0	2.66	3.8	2.0					2	0.07	0.07
26	11.3	1.1	2.58	3.8	2.0					2	0.08	0.09
27	11.6	1.2	2.54	3.7	2.0					2	0.10	0.13
28	11.5	1.1	2.58	3.5	2.0					2	0.09	0.09
29	11.5	1.2	2.49	3.7	2.02					2	0.09	0.08
30	10.8	1.2	2.60	3.7	2.03					2	0.10	0.10
31	12.0	1.2	2.60	3.7	2.01					2	0.09	0.11
AVG	11.72	1.16	2.60	3.72	1.33					2	0.09	0.10
MAX	12.13	1.40	2.73	3.90	2.03					2	0.11	0.13
MIN	10.75	0.95	2.29	3.44	1.00					2	0.07	0.07
Total	363.39											

Fluoridation & Chlorination WSSN 2310 Mar-17

DATE	Fluoride Applied F^- mg/l	Fluoride Analyses mg/l Raw	Fluoride Analyses Tap	Fluoride Analyses Dist	Chlorine App. Mg/l	Chlorine (prior to filtration) mg/L OCl^-	Post Chlorine mg/L	Chlorine Residual mg/l	Sta II Free	Dort Free	3MG Well Free			Tap Free	
	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
1			0.93		1.10				0.7					1.9	
2			0.94		1.04				0.9					1.7	
3			0.78		1.07				0.9					1.7	
4			0.87		1.11				0.8					1.7	
5			0.91		1.06				0.8					1.8	
6			0.90		1.06				0.9					1.7	
7			0.89		1.03				0.9					1.7	
8			0.92		1.05				0.8					1.8	
9			0.90		0.94				1.0					1.7	
10			0.79		0.72				1.4					1.8	
11			0.86		1.00				1.0					1.7	
12			0.89		1.15				0.9					1.9	
13			0.77		1.09				0.9					1.8	
14			0.87		1.09				0.9					1.8	
15			0.83		1.14				0.9					1.7	
16			0.99		1.15				0.8					1.8	
17			0.76		1.18				0.9					1.7	
18			0.76		1.04				0.9					1.7	
19			0.82		1.07				0.9					1.7	
20			0.72		1.06				0.8					1.8	
21			0.91		1.11				0.7					1.8	
22			0.94		1.10				0.8					1.8	
23			0.88		1.05				1.0					1.9	
24			0.75		1.05				1.0					1.8	
25			0.85		1.03				1.0					1.9	
26			0.92		1.04				1.0					1.8	
27			0.68		1.06				1.0					1.8	
28			0.85		1.05				1.0					1.8	
29			0.93		1.11				0.9					1.8	
30			0.97		1.05				0.9					1.9	
31			0.82		1.10				0.9					1.8	
AVG			0.86		1.06				0.9					1.8	
MAX			0.99		1.18				1.4					1.9	
MIN			0.68		0.72				0.7					1.7	

Chemical Analyses WSSN 2310 Mar-17

DATE	pH CSII	pH Tap	Total Hardness as $CaCO_3$ mg/l Raw	Total Hardness Tap	Total Alkalinity as $CaCO_3$ mg/l Raw	Total Alkalinity Tap	NonCarbonate Hardness as $CaCO_3$ mg/l Raw	NonCarbonate Hardness Tap	Iron mg/L Raw	Iron Tap	Calcium Ca^{2+} mg/l Raw	Calcium Tap	Magnesium as Mg^{2+} mg/l Raw	Magnesium Tap	Chloride as Cl^- mg/l Raw	Chloride Tap
	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
1	7.34	7.22		98		74		24		0.01		30.5		5.3		13
2	7.28	7.19		100		70		30		0.01		32.9		4.4		12
3	7.39	7.31		98		72		26		0.02		31.3		4.9		13
4	7.32	7.29		98		70		28		0.02		32.1		4.4		12
5	7.45	7.35		98		68		30		0.01		31.3		4.9		12
6	7.47	7.34		98		68		30		0.01		31.3		4.9		13
7	7.43	7.24		98		70		28		0.02		31.3		4.9		12
8	7.46	7.34		98		68		30		0.01		32.1		4.4		12
9	7.32	7.29		98		68		30		0.01		30.5		5.3		13
10	7.30	7.36		98		72		26		0.02		30.5		5.3		13
11	7.39	7.22		96		68		28		0.01		30.5		4.9		13
12	7.42	7.34		98		70		28		0.01		31.3		4.9		13
13	7.32	7.38		98		72		26		0.01		28.9		6.3		13
14	7.36	7.37		98		68		30		0.02		30.5		5.3		13
15	7.37	7.31		98		66		32		0.02		32.1		4.4		12
16	7.33	7.31		96		66		30		0.01		32.1		3.9		12
17	7.42	7.32		102		72		30		0.02		29.7		6.8		13
18	7.43	7.33		98		70		28		0.02		32.1		4.4		12
19	7.31	7.27		98		68		30		0.02		31.3		4.9		13
20	7.33	7.34		102		72		30		0		31.3		5.8		13
21	7.33	7.27		102		74		28		0.02		31.3		5.9		13
22	7.29	7.32		98		72		26		0.02		31.3		4.9		13
23	7.31	7.38		102		70		32		0.02		31.3		5.9		12
24	7.31	7.32		98		70		28		0.02		30.5		5.3		13
25	7.43	7.27		100		74		26		0		30.5		5.8		13
26	7.38	7.30		102		70		32		0		31.3		5.8		12
27	7.38	7.25		98		68		30		0		28.1		6.8		13
28	7.39	7.34		98		72		26		0.01		31.3		4.9		13
29	7.35	7.35		98		72		26		0.01		31.3		4.9		13
30	7.30	7.28		98		72		26		0.02		31.3		4.9		13
31	7.35	7.37		100		70		30		0.02		31.3		5.3		13
AVG	7.36	7.31		99		70		29		0.01		31.1		5.2		13
MAX	7.47	7.38		102		74		32		0.02		32.9		6.8		13.0
MIN	7.28	7.19		96		66		24		0.00		28.1		3.9		12.0

WSSN 2310 Mar-17

DATE	Total Coliform – Plant Tap		Dort	3MG Well	Sta II	Lab Tap		Standard Plate Count Raw	Standard Plate Count Tap	Conductivity (mS)	Temp deg. C	Color Raw	Color Tap	Odor Raw	Odor Tap
	60	61	62	63	64	65	66	67	68	69		71	72	73	74
1					2/0	2/0				0.21	7.3				
2					2/0	2/0				0.21	6.3				
3					2/0	2/0			<2	0.21	6.1				
4					2/0	2/0				0.21	6.4				
5					2/0	2/0				0.21	7.1				
6					2/0	2/0				0.21	7.8				
7					2/0	2/0			<2	0.21	7.4				
8					2/0	2/0				0.21	6.8				
9					2/0	2/0				0.21	6.3				
10					2/0	2/0				0.21	6.2				
11					2/0	2/0				0.20	6.0				
12					2/0	2/0				0.21	5.2				
13					2/0	2/0				0.21	6.8				
14					2/0	2/0			<2	0.21	6.5				
15					2/0	2/0				0.21	5.9				
16					2/0	2/0				0.21	6.1				
17					2/0	2/0				0.21	6.2				
18					2/0	2/0				0.21	6.6				
19					2/0	2/0				0.21	7.3				
20					2/0	2/0				0.20	6.2				
21					2/0	2/0			6	0.21	6.0				
22					2/0	2/0				0.21	5.4				
23					2/0	2/0				0.21	5.7				
24					2/0	2/0				0.21	5.9				
25					2/0	2/0				0.21	6.4				
26					2/0	2/0				0.21	5.5				
27					2/0	2/0				0.21	6.0				
28					2/0	2/0			<2	0.21	5.9				
29					2/0	2/0				0.21	5.0				
30					2/0	2/0				0.21	5.1				
31					2/0	2/0				0.21	5.2				
AVG										0.21	6.2				
MAX										0.21	7.8				
MIN										0.20	5.0				

Distribution System Monitoring WSSN 2310 Mar-17

Free Chlorine Residual at Bacteriological Montioring Stations mg/l

DATE	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	Number of Samples
1													1.42	1.71	1.04	1.59	1.58	1.10					1.73			7
2							1.37	1.66	1.54	1.61									0.91	1.35				1.46		7
3	1.25	1.22	1.54	1.54															0.96						1.56	6
4																										0
5																										0
6	1.30	1.35	1.53	1.53	1.35	1.31															1.08					7
7							1.39	1.63	1.64	1.66		1.56										1.23				6
8											1.61		1.52	1.71	1.36	1.61	1.59	1.18					1.64			8
9					1.67	1.33						1.37							0.73	1.28				1.40		6
10													1.40	1.63	1.21	1.65	1.69	1.18							1.28	7
11																										0
12																										0
13	1.38	1.26	1.53	1.59	1.65	1.38															1.23					7
14							1.44	1.71	1.72	1.73		1.39										1.40				6
15													1.47	1.71	1.25	1.66	1.62	1.04					1.61			7
16							1.42	1.55	1.65	1.67									0.76	1.42				1.49		7
17	1.36	1.25	1.41	1.50															0.81						1.46	6
18																										0
19																										0
20	1.38	1.28	1.53	1.43	1.64	1.28															1.38					7
21							1.46	1.72	1.49	1.63		1.76										1.36				6
22													1.47	1.65	1.32	1.69	1.60	1.19					1.65			7
23					1.51	1.30						1.46							0.70	1.23				1.50		6
24													1.43	1.64	1.02	1.62	1.61	1.14							1.55	7
25																										0
26																										0
27	1.36	1.68	1.58	1.56	1.56	1.30															1.19					7
28							1.41	1.58	1.67	1.71		1.39										1.31				6
29													1.48	1.58	1.07	1.63	1.63	1.16					1.57			7
30							1.43	1.64	1.49	1.67									0.74	1.30				1.52		7
31	1.33	1.59	1.55	1.43															0.85	1.45					1.51	7

Monthly Cl_2 Avg.	1.43
Total Samples	154

Distribution System Mo[...]

DATE	1	2	3	4
1				
2				
3	1.48	1.32	1.64	1.65
4				
5				
6	1.45	1.49	1.68	1.64
7				
8				
9				
10				
11				
12				
13	1.53	1.41	1.80	1.76
14				
15				
16				
17	1.50	1.38	1.70	1.70
18				
19				
20	1.50	1.41	1.68	1.65
21				
22				
23				
24				
25				
26				
27	1.48	1.82	1.73	1.67
28				
29				
30				
31	1.44	1.61	1.73	1.66

Monthly Cl_2 Avg.	1.4[...]
Total Samples	15[...]

nitoring **WSSN 2310** **Mar-17**

Total Chlorine Residual at Bacteriological Montioring Stations mg/l

CS	6	7	8	9	10	WR**	12	13	14	15	16	17	18	19	20	21	22	23	24	25	Number of Samples
								1.59	1.82	1.22	1.72	1.72	1.32					1.87			7
		1.49	1.77	1.66	1.77									1.01	1.49				1.62		7
														1.09						1.70	6
																					0
																					0
1.60	1.45															1.20					7
		1.51	1.76	1.82	1.77		1.73										1.32				6
						1.75		1.62	1.79	1.46	1.70	1.70	1.33					1.73			8
1.76	1.53						1.73							0.92	1.43				1.59		6
								1.67	1.80	1.43	1.82	1.87	1.36							1.39	7
																					0
																					0
1.82	1.53															1.37					7
		1.60	1.82	1.85	1.83		1.56										1.52				6
								1.68	1.82	1.47	1.75	1.74	1.19					1.88			7
		1.64	1.77	1.80	1.80									0.89	1.54				1.61		7
														0.97						1.58	6
																					0
																					0
1.77	1.53															1.52					7
		1.62	1.88	1.64	1.85		1.99										1.48				6
								1.65	1.85	1.50	1.83	1.73	1.37					1.91			7
1.79	1.47						1.62							0.93	1.50				1.66		6
								1.57	1.77	1.23	1.76	1.76	1.28							1.68	7
																					0
																					0
1.69	1.44															1.37					7
		1.57	1.81	1.85	1.82		1.57										1.41				6
								1.65	1.81	1.22	1.78	1.72	1.28					1.70			7
		1.57	1.77	1.59	1.82									0.84	1.43				1.62		7
														1.06	1.60					1.57	7

59

54

ROUTINE POSITIVE DISTRIBUTION SAMPLES **Mar-17**

Total number of positive routine samples:				Total Coliform: 0			E.coli Bacteria: 0		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:	**154**
Total number of routine distribution samples required:	**100**