Oct-19

DATE	Total Million Gallons Purchased	Phosphate as PO_4 (mg/L)	Phosphate applied as PO_4 (mg/L)	Phosphate as PO_4 (mg/L)	25% Caustic Soda (mg/l)	Turbidity, NTU units						
						Raw				Plant Tap		
		CSII		Tap		# of Samples	Avg.	Max		# of Samples	Avg.	Max
	1	1.29	1 B	6	6a	7	8	9	10	11	12	13
1	9.3	1.2	2.46	3.6	4.7					2	0.11	0.12
2	8.9	1.3	2.39	3.7	4.7					2	0.13	0.15
3	8.2	1.3	2.35	3.6	4.7					2	0.15	0.16
4	9.1	1.3	2.48	3.6	4.7					2	0.11	0.11
5	9.1	1.3	2.45	3.6	4.7					2	0.12	0.12
6	7.8	1.3	2.39	3.6	4.9					2	0.11	0.11
7	8.9	1.3	2.48	3.6	4.5					2	0.12	0.12
8	9.0	1.3	2.42	3.5	4.6					2	0.12	0.12
9	9.0	1.2	2.47	3.6	4.5					2	0.12	0.13
10	9.0	1.2	2.51	3.6	5.1					2	0.15	0.18
11	9.1	1.3	2.49	3.5	5.4					2	0.21	0.23
12	8.4	1.2	2.46	3.6	5.3					2	0.12	0.14
13	8.7	1.2	2.50	3.5	5.1					2	0.17	0.19
14	8.7	1.2	2.39	3.5	5.1					2	0.18	0.18
15	8.7	1.2	2.49	3.5	5.2					2	0.13	0.13
16	8.9	1.2	2.26	3.5	5.3					2	0.14	0.15
17	9.4	1.3	2.46	3.5	4.9					2	0.15	0.18
18	8.9	1.3	2.43	3.5	5.0					2	0.11	0.13
19	11.3	2.0	1.69	3.8	5.1					2	0.75	0.75
20	8.2	1.4	2.04	3.3	5.2					2	0.17	0.18
21	8.5	1.1	2.50	3.3	5.4					2	0.11	0.12
22	9.3	1.4	2.32	3.8	5.3					2	0.15	0.18
23	9.2	1.4	2.33	3.4	5.1					2	0.12	0.12
24	9.0	1.3	2.35	3.6	5.2					2	0.10	0.10
25	8.7	1.2	2.40	3.6	5.1					2	0.11	0.12
26	8.5	1.2	2.31	3.7	5.0					2	0.11	0.12
27	9.2	1.2	2.49	3.5	5.4					2	0.10	0.10
28	8.8	1.2	2.39	3.6	5.5					2	0.11	0.11
29	9.3	1.2	2.37	3.6	5.1					2	0.13	0.14
30	9.1	1.2	2.48	3.6	5.2					2	0.11	0.13
31	9.2		2.46		5.3							
AVG	8.95	1.27	2.39	3.56	5.03					2	0.15	0.16
MAX	11.32	2.04	2.51	3.80	5.45					2	0.75	0.75
MIN	7.78	1.05	1.69	3.31	4.47					2	0.10	0.10
Total	277.38											

Fluoridation & Chlorination **WSSN 2310** **Oct-19**

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^-	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		0.66	0.65		1.16				0.9					1.7	
2		0.65	0.65		1.07				1.0					1.7	
3		0.58	0.58		1.11				0.9					1.7	
4		0.60	0.59		1.15				1.0					1.7	
5		0.59	0.59		1.20				0.9					1.7	
6		0.56	0.57		1.25				0.9					1.6	
7		0.54	0.55		1.25				0.9					1.7	
8		0.55	0.55		1.15				0.9					1.7	
9		0.62	0.63		1.06				0.9					1.7	
10		0.60	0.59		1.12				0.9					1.7	
11		0.60	0.60		1.09				0.7					1.5	
12		0.60	0.60		1.06				0.9					1.6	
13		0.59	0.59		1.15				0.9					1.6	
14		0.59	0.59		1.17				0.9					1.7	
15		0.59	0.59		1.16				0.8					1.6	
16		0.50	0.54		0.96				0.9					1.6	
17		0.58	0.58		0.90				0.9					1.8	
18		0.60	0.60		0.94				1.0					1.7	
19		0.61	0.62		0.96				1.0					1.8	
20		0.63	0.63		0.88				0.9					1.7	
21		0.63	0.62		1.09				0.9					1.7	
22		0.62	0.61		1.28				0.9					1.7	
23		0.60	0.58		1.25				0.9					1.7	
24		0.54	0.54		1.24				0.9					1.7	
25		0.71	0.77		1.17				1.0					1.7	
26		0.63	0.68		1.25				1.0					1.7	
27		0.62	0.68		1.14				0.9					1.7	
28		0.64	0.60		1.26				0.9					1.6	
29		0.84	0.83		1.24				0.9					1.7	
30		0.77	0.72		1.23				1.0					1.7	
31					1.17										
AVG			0.62		1.13				0.9					1.7	
MAX			0.83		1.28				1.0					1.8	
MIN			0.54		0.88				0.7					1.5	

Chemical Analyses **WSSN 2310** **Oct-19**

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	38.00	39	40	41	42	43	44
1	7.25	7.55	102	100	80	82	32	30	0.04	0.02	28.1	28.1	7.8	7.3	15	17
2	7.30	7.53		100		86		32	0.0	0.02		27.3		7.8		15
3	7.53	7.59		102		84		34	0.03	0.02		27.3		8.3		15
4	7.45	7.55		104		86		34	0.01	0.00		28.1		8.3		16
5	7.51	7.59		106		84		36	0	0.09		28.1		8.7		15
6	7.51	7.56		106		84		36	0.03	0.01		28.1		8.7		15
7	7.32	7.46		104		84		34	0.02	0.01		28.1		8.3		16
8	7.46	7.47	102	102	80	84	32	34	0.02	0.00	28.1	27.3	7.8	8.3	14	15
9	7.54	7.56		102		80		32	0.01	0.02		28.1		7.8		15
10	7.47	7.62		100		80		30	0.01	0.01		28.1		7.3		16
11	7.21	7.61		102		86		30	0	0.01		28.9		7.3		18
12	7.21	7.48		102		82		30	0.01	0.02		28.9		7.3		16
13	7.25	7.42		100		86		30	0	0.01		28.1		7.3		16
14	7.33	7.41		102		86		30	0.06	0.01		28.9		7.3		17
15	7.26	7.50	100	102	80	84	28	30	0	0.02	28.9	28.9	6.8	7.3	16	16
16	7.24	7.46		102		84		30	0.02	0.01		28.9		7.3		16
17	7.59	7.65		104		86		36	0.02	0.01		27.3		8.7		14
18	7.47	7.57		104		82		36	0.01	0.02		27.3		8.7		15
19	7.23	7.58		104		86		34	0.03	0.03		28.1		8.3		16
20	7.14	7.54		104		84		34	0.02	0.03		28.1		8.3		15
21	7.30	7.49		104		86		34	0	0.01		28.1		8.3		15
22	7.46	7.58	102	102	78	84	32	32	0.01	0.01	28.1	28.1	7.8	7.8	15	15
23	7.08	7.44		102		86		32	0.01	0.01		28.1		7.8		15
24	7.24	7.55		100		86		30	0	0.01		28.1		7.3		16
25	7.30	7.50		100		86		28	0.02	0.01		28.9		6.8		17
26	7.20	7.65		100		86		30	0.04	0.03		28.1		7.3		16
27	7.26	7.57		100		82		30	0.03	0.01		28.1		7.3		16
28	7.26	7.60		102		82		30	0	0.02		28.9		7.3		16
29	7.28	7.56	102	102	82	86	30	30	0.02	0.00	28.9	28.9	7.3	7.3	16	15
30	7.25	7.55		102		84		30	0	0.00		28.9		7.3		13
31																
AVG	7.33	7.54		102		84		32		0.02		28.2		7.8		16
MAX	7.59	7.65		106		86		36		0.09		28.9		8.7		18.0
MIN	7.08	7.41		100		80		28		0.00		27.3		6.8		13.0

WSSN 2310 **Oct-19**

DATE	Total Coliform Plant Tap							Standard Plate Count		Conductivity (mS)	Temp deg.C	Color		Odor	
			Dort	3MG Well	Sta II	Lab Tap		Raw	Tap			Raw	Tap	Raw	Tap
	60	61	62	63	64	65	66	67	68	69		71	72	73	74
1						2/0				0.23	15.4				
2						2/0				0.23	15.5				
3						2/0				0.23	15.8				
4						2/0				0.23	15.3				
5						2/0				0.23	15.0				
6						2/0				0.23	15.8				
7						2/0				0.23	15.4				
8						2/0				0.23	15.1				
9						2/0				0.23	15.4				
10						2/0				0.24	15.7				
11						2/0				0.23	15.8				
12						2/0				0.23	15.9				
13						2/0				0.23	16.1				
14						2/0				0.23	15.8				
15						2/0				0.23	15.3				
16						2/0				0.23	15.4				
17						2/0				0.23	15.8				
18						2/0				0.23	14.8				
19						2/0				0.23	14.1				
20						2/0				0.23	14.4				
21						2/0				0.23	14.2				
22						2/0				0.23	14.9				
23						2/0				0.22	16.2				
24						2/0				0.23	15.1				
25						2/0				0.23	15.3				
26						2/0				0.23	14.0				
27						2/0				0.23	14.8				
28						2/0				0.23	14.3				
29						2/0				0.23	14.1				
30						2/0				0.23	14.2				
31															
AVG										0.23	15.2				
MAX										0.24	16.2				
MIN										0.22	14.0				

Distribution System Monitoring **WSSN 2310** **Oct-19**

DATE	Free Chlorine Residual at Bacteriological Monitoring Stations mg/l																								Chlorine only sites mg/l					
	1	2	3	4	CS	6	7	8	9	10	WR	12	13	14	15	16	17	18	19	20	26	27	28	29	30	21	22	23	24	25	Number of Samples
1							1.16	1.58	0.75	1.47	1.09	0.81														1.16					7
2														1.44	1.29	1.34	1.58	1.14	1.26					1.44				1.74			8
3	1.07		1.30	1.27	1.71															0.90		1.61									6
4													0.95			1.41	1.52		1.25						1.58					1.14	6
5																															0
6																															0
7	0.94	1.64		1.29	1.47	1.58																	0.81			0.98			1.17		8
8							1.19	1.53	1.13	1.47	1.08	0.76									1.23						1.10				8
9														1.45		1.47	1.56		1.15												4
10	0.83		1.25	1.33	1.61															0.88		1.49									6
11													0.77			1.31	1.44		0.59						1.30					1.05	6
12																															0
13																															0
14	1.11	1.30		1.32	1.72	1.29																	1.22						1.24		7
15							1.27	1.43	1.03	1.37	1.31	0.62									1.16						0.94				8
16														1.48	1.11	1.38	1.56	1.03	1.13					1.39				1.76			8
17	1.02		1.34	1.34	1.84															0.92		1.63				1.14					7
18													1.03			1.58	1.54		1.24						1.66					1.55	6
19																															0
20																															0
21	1.19	1.26		1.35	1.74	1.30																	0.84						1.22		7
22							1.36	1.63	1.69	1.60	1.18	0.81									1.31						1.10				8
23														1.53	1.36	1.50	1.62	1.22	1.34					1.57				1.62			8
24	1.07		1.17	1.28	1.58															0.66		0.82				1.20					7
25													0.97			1.40	1.74		1.04						1.30						5
26																															0
27																															0
28	1.25			1.27	1.81	1.28																	1.58						1.31		6
29							1.09	1.40	0.98	1.53	1.38	0.56									1.28						1.22				8
30														1.46	0.76	1.36	1.49	1.33	1.09					1.20				1.68			8
31																															0

Monthly Cl_2 Avg.	**1.28**
Total Samples	**133**

Distribution System Monitoring **WSSN 2310** **Oct-19**

DATE	Total Chlorine Residual at Bacteriological Monitoring Stations mg/l																								Chlorine only sites 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	26	27	28	29	30	21	22	23	24	25	
1							1.41	1.76	1.14	1.67	1.21	0.98															1.36				7
2														1.62	1.42	1.55	1.76	1.32	1.48					1.67				1.89			8
3	1.17		1.50	1.47	1.94															1.09		1.75									6
4													1.09			1.57	1.74		1.39						1.72					1.28	6
5																															0
6																															0
7	1.07	1.84		1.42	1.65	1.78																	0.99			1.24			1.35		8
8							1.37	1.71	1.32	1.62	1.23	0.93									1.45						1.27				8
9														1.63		1.55	1.73		1.29												4
10	1.20		1.47	1.50	1.75															1.10		1.73									6
11													0.95			1.51	1.57		1.18						1.56					1.18	6
12																															0
13																															0
14	1.31	1.71		1.51	1.88	1.46																	1.61						1.37		7
15							1.55	1.78	1.15	1.65	1.55	0.80									1.46						1.33				8
16														1.72	1.47	1.65	1.80	1.31	1.43					1.78				2.03			8
17	1.27		1.50	1.54	1.98															1.11		1.81				1.35					7
18													1.16			1.75	1.74		1.37						1.76					1.63	6
19																															0
20																															0
21	1.27	1.41		1.41	2.07	1.55																	0.96						1.30		7
22							1.46	1.77	1.77	1.71	1.27	0.98									1.47						1.22				8
23														1.65	1.49	1.64	1.72	1.39	1.51					1.69				1.79			8
24	1.28		1.53	1.57	1.76															0.82		1.73				1.42					7
25													1.06			1.61	1.89		1.27						1.42						5
26																															0
27																															0
28	1.50			1.49	2.02	1.46																	1.72						1.41		6
29							1.32	1.74	1.19	1.80	1.47	0.92									1.48						1.37				8
30														1.78	1.32	1.69	1.73	1.53	1.33					1.82				1.96			8
31																															0

Monthly Cl_2 Avg.	**1.49**
Total Samples	**133**

ROUTINE POSITIVE DISTRIBUTION SAMPLES — Oct-19

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:	**133**
Total number of routine distribution samples required:	**100**