Nov-20

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	1.29	1 B	6	6a	7	8	9	10	11	12	13
1	8.2	1.3	2.68	3.7	3.4					2	0.09	0.10
2	9.1	1.3	2.61	3.5	3.4					2	0.09	0.10
3	10.4	1.4	2.40	3.7	3.5					2	0.09	0.09
4	8.6	1.2	2.33	3.5	3.5					2	0.08	0.09
5	9.5	1.3	2.44	3.6	3.5					2	0.08	0.08
6	10.7	1.3	2.43	3.6	3.4					2	0.12	0.16
7	10.1	1.4	2.35	3.7	3.4					2	0.10	0.11
8	10.4	1.3	2.25	3.4	3.4					2	0.10	0.10
9	9.2	1.3	2.30	3.5	3.4					2	0.09	0.09
10	9.6	1.3	2.22	3.5	3.3					2	0.09	0.09
11	9.9	1.2	2.31	3.4	3.3					2	0.09	0.10
12	9.2	1.3	2.33	3.5	3.3					2	0.08	0.08
13	9.6	1.3	2.38	3.5	3.3					2	0.06	0.06
14	9.1	1.4	2.40	3.6	3.2					2	0.07	0.07
15	9.3	1.3	2.28	3.4	3.3					2	0.06	0.07
16	9.1	1.4	2.25	3.5	3.2					2	0.05	0.05
17	9.7	1.3	2.31	3.5	3.1					2	0.06	0.06
18	9.8	1.3	2.29	3.4	3.1					2	0.10	0.12
19	10.1	1.3	2.29	3.4	3.1					2	0.06	0.07
20	8.4	1.4	2.22	3.4	3.2					2	0.12	0.15
21	9.4	1.3	2.28	3.5	3.0					2	0.08	0.08
22	8.8	1.3	2.33	3.4	3.1					2	0.06	0.06
23	10.0	1.3	2.43	3.5	3.1					2	0.07	0.07
24	9.8	1.3	2.39	3.5	3.1					2	0.08	0.10
25	10.0	1.3	2.26	3.5	3.3					2	0.09	0.09
26	9.8	1.3	2.27	3.5	3.3					2	0.09	0.10
27	9.1	1.3	2.35	3.5	3.4					2	0.09	0.10
28	8.8	1.3	2.41	3.3	3.4					2	0.06	0.07
29	9.1	1.3	2.61	3.7	3.3					2	0.08	0.08
30	9.9	1.3	2.60	3.6	3.2					2	0.09	0.09
31												
AVG	9.50	1.30	2.37	3.51	3.28					2	0.08	0.09
MAX	10.70	1.43	2.68	3.73	3.48					2	0.12	0.16
MIN	8.22	1.16	2.22	3.33	3.02					2	0.05	0.05
Total	284.87											

Fluoridation & Chlorination **WSSN 2310** **Nov-20**

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		0.70	0.69		1.15				1.0					1.8	
2		0.68	0.69		1.23				0.9					1.7	
3		0.74	0.68		1.07				1.0					1.7	
4		0.79	0.76		1.07				1.0					1.4	
5		0.73	0.79		1.18				1.0					1.7	
6		0.70	0.77		1.20				0.9					1.8	
7		0.73	0.73		1.17				0.9					1.8	
8		0.68	0.76		1.11				1.0					1.7	
9		0.76	0.72		1.14				1.1					1.7	
10		0.72	0.65		1.09				0.9					1.6	
11		0.66	0.66		1.07				1.0					1.7	
12		0.70	0.74		1.07				1.1					1.7	
13		0.62	0.75		1.09				1.1					1.8	
14		0.69	0.67		1.00				1.1					1.8	
15		0.70	0.68		1.00				1.1					1.7	
16		0.66	0.74		1.08				1.0					1.7	
17		0.74	0.70		1.09				1.1					1.8	
18		0.67	0.70		0.98				1.1					1.8	
19		0.83	0.82		1.03				1.0					1.7	
20		0.58	0.66		1.14				1.0					1.7	
21		0.60	0.69		0.94				1.1					1.8	
22		0.68	0.72		1.02				1.1					1.8	
23		0.68	0.70		0.98				1.0					1.6	
24		0.61	0.60		0.93				1.1					1.6	
25		0.72	0.89		0.93				1.1					1.5	
26		0.77	0.83		0.97				1.1					1.6	
27		0.69	0.76		1.03				1.1					1.7	
28		0.69	0.64		0.98				1.0					1.8	
29		0.71	0.66		0.99				1.0					1.7	
30		0.62	0.62		0.92				0.9					1.7	
31															
AVG			0.72		1.06				1.0					1.7	
MAX			0.89		1.23				1.1					1.8	
MIN			0.60		0.92				0.9					1.4	

Chemical Analyses **WSSN 2310** **Nov-20**

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	7.38	7.60		100		84		32	0.01	0.01		27.3		7.8		16
2	7.33	7.62		100		80		26	0.0	0.01		29.7		6.3		14
3	7.28	7.58	100	100	78	82	28	32	0.02	0.00	28.9	27.3	6.8	7.8	14	13
4	7.30	7.64		100		80		26	0.01	0.01		29.7		6.3		15
5	7.34	7.60		102		80		32	0.02	0.00		28.1		7.8		15
6	7.35	7.59		102		82		32	0	0.03		28.1		7.8		15
7	7.31	7.60		98		80		28	0.01	0.01		28.1		6.8		14
8	7.33	7.61		100		80		28	0.01	0.01		28.9		6.8		14
9	7.32	7.58		100		82		26	0.01	0.01		29.7		6.3		14
10	7.33	7.58	100	100	78	80	26	28	0.03	0.00	29.7	28.9	6.3	6.8	13	13
11	7.31	7.58		102		80		30	0	0.01		28.9		7.3		14
12	7.32	7.57		100		82		26	0.02	0.01		29.7		6.3		17
13	7.35	7.50		102		80		32	0.02	0.01		28.1		7.8		15
14	7.30	7.46		102		80		32	0.02	0.01		28.1		7.8		15
15	7.34	7.49		100		80		32	0	0.01		27.3		7.8		14
16	7.28	7.53		102		82		30	0.01	0.02		28.9		7.3		16
17	7.29	7.54	96	102	76	80	22	30	0.02	0.02	29.7	28.9	5.3	7.3	15	14
18	7.29	7.51		100		78		28	0	0.01		28.9		6.8		14
19	7.31	7.56		102		78		36	0.01	0.01		28.9		7.3		14
20	7.38	7.63		102		80		32	0.02	0.02		28.1		7.8		15
21	7.41	7.47		102		80		32	0.04	0.04		27.3		7.8		15
22	7.44	7.56		100		80		32	0.01	0.04		27.3		7.8		15
23	7.35	7.55		100		80		34	0.01	0.02		26.5		8.2		15
24	7.30	7.52	102	102	76	78	30	32	0.01	0.01	28.9	28.1	7.3	7.8	15	15
25	7.33	7.58		98		80		26	0.02	0.01		28.9		6.3		15
26	7.25	7.52		98		80		26	0.01	0.01		28.9		6.3		14
27	7.39	7.52		98		78		26	0.02	0.01		28.9		6.3		15
28	7.49	7.70		102		82		34	0.02	0.02		27.3		8.3		16
29	7.32	7.59		98		80		28	0.02	0.01		28.1		6.8		15
30	7.29	7.53		100		80		30	0.01	0.01		28.1		7.3		13
31																
AVG	7.33	7.56		100		80		30		0.01		28.4		7.2		15
MAX	7.49	7.70		102		84		36		0.04		29.7		8.3		17.0
MIN	7.25	7.46		98		78		26		0.00		26.5		6.3		13.0

WSSN 2310 **Nov-20**

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	15.6				
2						2/0				0.23	16.1				
3						2/0				0.23	15.8				
4						2/0				0.23	15.8				
5						2/0				0.23	15.9				
6						2/0				0.23	15.5				
7						2/0				0.23	15.9				
8						2/0				0.23	15.6				
9						2/0				0.23	15.6				
10						2/0				0.23	15.6				
11						2/0				0.22	15.9				
12						2/0				0.22	14.4				
13						2/0				0.22	14.1				
14						2/0				0.23	13.9				
15						2/0				0.23	14.3				
16						2/0				0.23	14.8				
17						2/0				0.23	14.6				
18						2/0				0.23	14.6				
19						2/0				0.22	14.6				
20						2/0				0.22	14.6				
21						2/0				0.21	15.5				
22						2/0				0.22	14.8				
23						2/0				0.22	14.3				
24						2/0				0.22	13.9				
25						2/0				0.22	13.9				
26						2/0				0.22	13.6				
27						2/0				0.21	15.6				
28						2/0				0.22	12.8				
29						2/0				0.22	13.1				
30						2/0				0.22	13.1				
31															
AVG										0.22	14.8				
MAX										0.23	16.1				
MIN										0.21	12.8				

Distribution System Monitoring **WSSN 2310** **Nov-20**

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																															0
2	1.12	1.56		1.47	1.70	1.28									0.95			1.13					1.30							1.56	9
3								1.58	1.21	1.53	1.42	0.90									0.85			1.11			1.09				8
4														1.20		1.57	1.38		1.25							1.28		1.83	1.51		7
5	1.22			1.09	1.52						1.23									1.02		1.56			1.55						7
6													1.25			1.29	1.63		1.25												4
7																															0
8																															0
9	1.27	1.54		1.45	1.68	1.64												1.05					0.89							1.35	8
10								1.54	1.12	1.41	1.29	1.09									1.20						1.06				7
11													0.82	1.31		1.41	1.54		1.74					1.68		1.20		1.27	1.44		9
12	1.33			1.49	1.67						1.22									0.91		1.65			1.63						7
13													1.60			1.36	1.62		1.23												4
14																															0
15																															0
16	1.36	1.72		1.27	1.72	1.31												1.15					1.37							1.32	8
17								1.53	0.86	1.61	1.43										1.32						1.13				6
18														1.22	1.19	1.55	1.68		1.26					1.10		1.23		1.73	1.66		9
19	1.38			1.45	1.73						1.22									1.12		1.54			1.57						7
20													1.50			1.44	1.61		1.14												4
21																															0
22																															0
23	1.25			1.45	1.70	1.54												1.05					1.24							1.47	7
24								1.34	1.17	1.66	1.44	0.89									1.01						1.09				7
25														1.22	1.33	1.64	1.58		1.38					1.63		1.35		1.68	1.68		9
26	1.38			1.46	1.27						1.32						1.53			1.13		1.61									7
27																1.55			1.24												2
28																															0
29																															0
30	0.90	1.64		1.37	1.53	1.35												1.15					1.35							1.40	8
31																															0

Monthly Cl_2 Avg.	**1.36**
Total Samples	**123**

Distribution System Monitoring **WSSN 2310** **Nov-20**

DATE	Total 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																															0
2	1.27	1.84		1.65	1.83	1.64									1.14			1.34					1.53							1.66	9
3								1.84	1.36	1.72	1.56	1.05									1.63			1.32			1.36				8
4														1.40		1.73	1.61		1.32							1.42		1.96	1.62		7
5	1.49			1.54	1.89						1.53									1.18		1.79			1.72						7
6													1.40			1.48	1.82		1.53												4
7																															0
8																															0
9	1.44	1.89		1.67	1.82	1.79												1.31					1.07							1.56	8
10								1.88	1.33	1.84	1.54	1.15									1.61						1.15				7
11														1.04	1.48	1.57	1.78		1.45					1.82		1.34		1.87	1.71		9
12	1.48			1.69	1.98						1.57									1.15		1.86			1.87						7
13													1.80			1.50	1.85		1.48												4
14																															0
15																															0
16	1.47	1.95		1.46	1.85	1.50												1.39					1.53							1.45	8
17								1.85	1.41	1.81	1.62										1.69						1.30				6
18														1.35	1.38	1.76	1.87		1.56					1.78		1.43		2.00	1.75		9
19	1.64			1.63	1.86						1.50									1.24		1.75			1.80						7
20													1.66			1.59	1.74		1.34												4
21																															0
22																															0
23	1.43			1.65	1.93	1.66												1.36					1.48							1.69	7
24								1.95	1.42	1.89	1.61	1.10									1.73						1.35				7
25														1.37	1.56	1.78	1.86		1.63					1.94		1.55		1.92	1.84		9
26	1.57			1.62	1.48						1.45						1.72			1.28		1.86									7
27																1.66			1.45												2
28																															0
29																															0
30	1.35	1.88		1.60	1.67	1.66												1.36					1.54							1.50	8
31																															0

Monthly Cl_2 Avg.	**1.59**
Total Samples	**123**

ROUTINE POSITIVE DISTRIBUTION SAMPLES — Nov-20

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:	**123**
Total number of routine distribution samples required:	**100**